

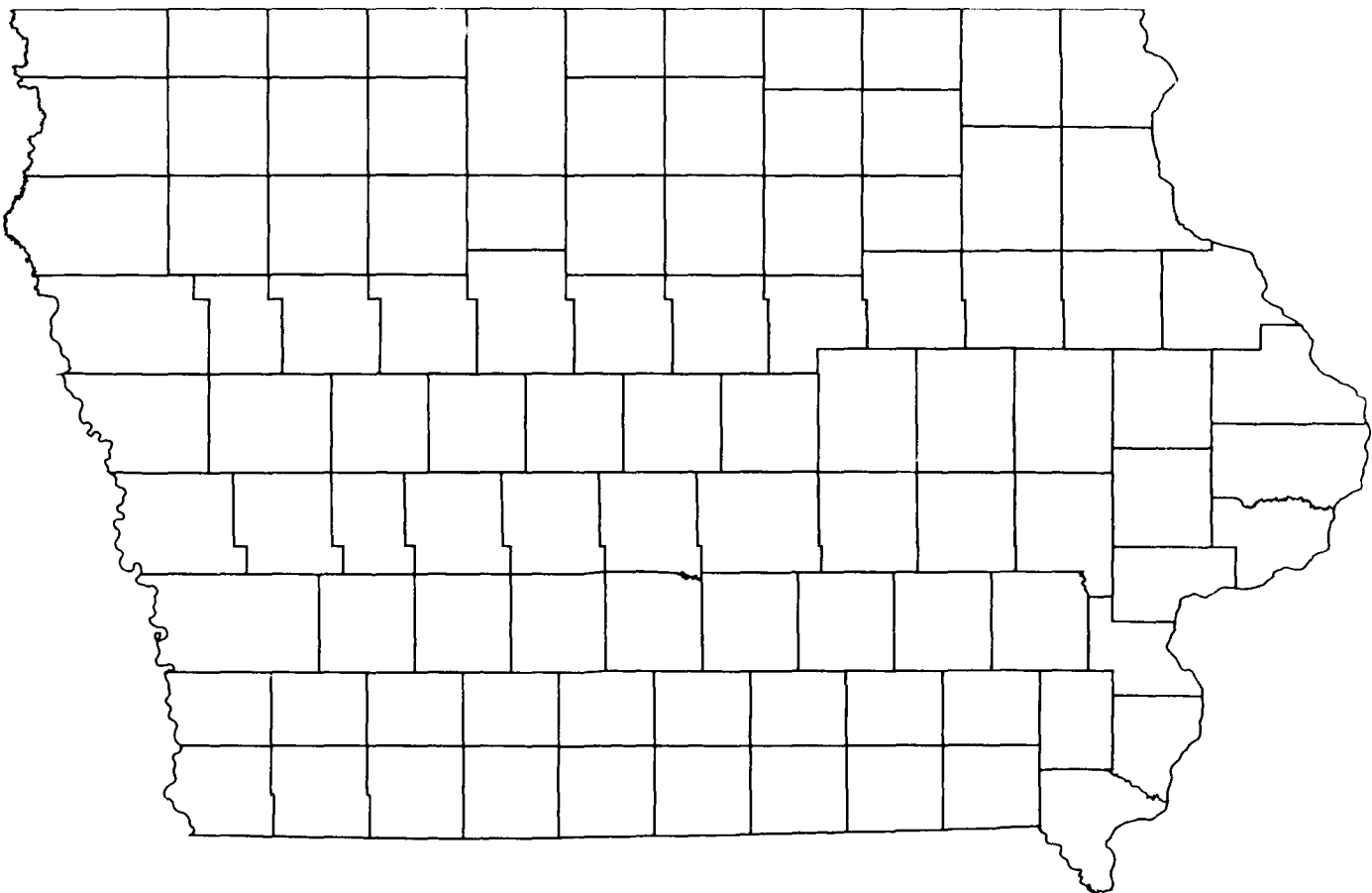
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Iowa's Counties:

Selected Population Trends, Vital Statistics, and Socioeconomic Data

1999 Edition



Willis Goudy, Sandra Charvat Burke, and Margaret Hanson
Census Services
Department of Sociology
Iowa State University
Ames, Iowa

October, 1999



Iowa's Counties:

Selected Population Trends, Vital Statistics, and Socioeconomic Data

Content of Previous Editions Not Included in the 1999 Volume

Limited copies of some previous editions of this county data book are available for \$25 each; contact us to purchase them. Include a check made payable to Iowa State University with the order. Clearly specify what edition is requested. Send your order to Census Services, 303 East Hall, Iowa State University, Ames, IA 50011; the phone number is 515-294-6482 and our fax number is 515-294-0592. If you don't have previous editions, here's what you missed.

- 1998 If you don't have the 1998 edition, here are items it included that are not repeated in 1999.**
Housing Sales and Average Sales Prices: 1987-1997; Use of Absentee Ballots by Political Party Affiliation and by Age and Sex: 1988-1996
- 1997 If you don't have the 1997 edition, here are items not repeated in 1998 or 1999.**
Migration by Sex, by Age Categories, and by Education, 1985-1990; Estimated Numbers of Veterans by Period of Service: 1993-1996; Registration and Voting by Political Party Affiliation and by Age: 1982-1996
- 1996 If you don't have the 1996 edition, here are items not repeated in 1997-1999:**
Migration: 1985 to 1990; Manufacturing, 1977-1992; Women-Owned Businesses: 1987-1992.
- 1995 If you don't have the 1995 edition, here are items not repeated in 1996-1999:**
Retail Trade: 1977-1992, Wholesale Trade: 1977-1992, Service Industries: 1982-1992.
- 1994 If you don't have the 1994 edition, here are items not repeated in 1995-1999:**
Farm Numbers and Average Acres: 1880-1992; Tenure and Type of Organization of Farms: 1978-1992; Selected Characteristics of Farm Operators: 1978-1992; Hogs and Pigs Sold: 1978-1992; Fattened Cattle Sold for Slaughter: 1978-1992; Corn and Soybeans Grown: 1978-1992; Market Value of Agricultural Products Sold: 1978-1992.
- 1993 If you don't have the 1993 edition, here are items not repeated in 1994-1999:**
Population and Housing Units in Townships and Incorporated Places: 1970-1990; Median Age of Females and Males: 1960-1990; Education Completed by Females and Males 25 Years of Age or Older: 1940-1990; General Occupational Categories for Females and Males: 1940-1990; Income of Employed Females and Males: 1979-1989; Poverty Among Females and Males in Selected Age Groups: 1979-1989; Place of Work: 1960-1990; Estimated Church Membership in Selected Denominations: 1971, 1980, 1990; Votes on an Equal Rights Amendment to the Constitution of the State of Iowa: 1980 and 1992.
- 1992 If you don't have the 1992 edition, here are items not repeated in 1993-1999:**
Urban, Rural, and Farm Populations: 1940-1990; Year Housing Units Built: 1940-1990; Median Housing Value, Contract Rent, and Gross Rent: 1940-1990; Education Completed by Residents Aged 25 or Older: 1940-1990; Labor-force Status by Sex: 1950-1990; Family and Household Income: 1949-1989; Poverty: 1969-1989; Residence in the Census Year and Five Years Earlier: 1960-1990.
- 1991 If you don't have the 1991 edition, here are items not repeated in 1992-1999:**
Housing Units: 1940-1990, Age: 1980-1990, Younger (17 and Under) and Older (65 and Over) Residents: 1940-1990, Race and Hispanic Origin: 1980-1990, Marital Status: 1950-1990, Family Type and Presence of Related Children: 1970-1990, Residents of Households and Group Quarters: 1950-1990.

B. Hanson
10/1/99

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Introduction

Willis Goudy, Iowa State University
Sandra Charvat Burke, Iowa State University
Margaret Hanson, Iowa State University

This 11th edition of our county data book highlights trends occurring throughout Iowa. It continues our tradition of providing information in an easily useable format; readers have informed us that this annual publication has become one of the most frequently referenced data sources in the state. As we've done in previous editions, tables have been constructed from varied sources to serve as a reference for demographic and socioeconomic change in Iowa's counties. We've focused on the 1990s for the most part, although one section traces population back to 1850 while others project it to 2020. We are particularly interested in providing data that readers can use to determine trends that are occurring in Iowa; that's why all of the sections have data for at least two years.

This year we've added employment and wage information for selected business/government categories, building permits for new private housing, salaries of selected elected officials, benefits received through Social Security, licensed hospital and nursing facility beds, permits to carry weapons, votes on amendments to Iowa's constitution, and experimental estimates of the Hispanic population. A section on foster care has been included after an absence of several years. And items on state personal income taxes, property tax valuations, and voting for candidates for state and national offices return this year. We updated all other sections with the most recent data available. Don't miss information on incorporated places within counties in two sections, one on population change from 1990 to 1998 and the other on births and deaths from 1992 through 1998.

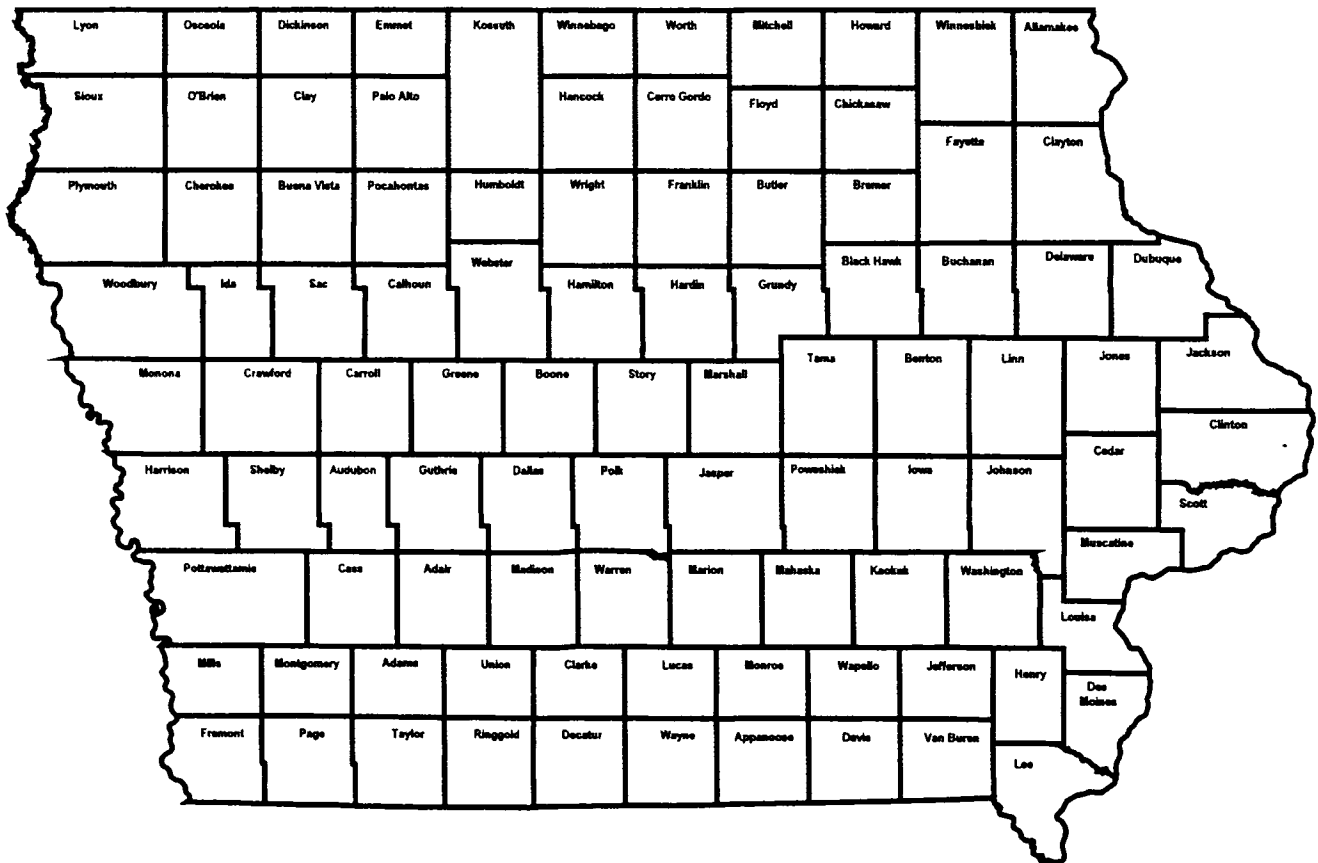
Each data set in this volume is accompanied by a commentary that provides a brief analysis of trends. Graphics highlight either changes in state figures or differences across the counties. Definitions are provided where necessary, as well as notes of caution and an indication of the source of the data. For assistance in locating counties mentioned in the text, please see the map included on page 4 and elsewhere in this volume.

We continue to be confident that readers will find sources of data on Iowa's counties that they haven't seen previously--unless it was in previous editions of this publication. Because we add some items each year and delete others, readers interested in having as much information as possible will want to collect and retain all volumes in this series.

We know that the statistics we've included have never been published in one source; indeed, several never have been published previously for the general public. But we've undoubtedly missed other data sets for Iowa's counties that would be valuable to share in future editions. Thus, suggestions on data that would be useful would be appreciated. Although the numbers in the tables have been checked and rechecked, it is possible that some are incorrect. Please inform us of any discrepancies from published documents so that they can be corrected in the next edition of this volume.

Census Services is located at 303 East Hall, Department of Sociology, Iowa State University, Ames, IA 50011. We can be reached by telephone (515-294-6482), fax (515-294-0592), or e-mail (ramiller@iastate.edu, scburke@iastate.edu, mmhanson@iastate.edu, wjgoudy@iastate.edu). Check our homepage on the Internet (<http://socserver.soc.iastate.edu/census/>) for the latest information.

Note: Renea Miller is the clerk-typist for Census Services. She entered and verified data for several sections of this volume. In addition, she trained students on data entry procedures; she is our expert on using a microcomputer system to produce maps and figures. Miller does all of this while giving Census Services less than half of her time. We are delighted that she continues to be an important part of our small group of professionals. We also are indebted to ISU undergraduates Sharon Whetstone and Jessica Rohrig for their work in adding data to our files, checking the accuracy of those numbers, and updating some of the reports. Finally, we acknowledge the many persons involved in providing data for this volume; their assistance is greatly appreciated.



Population Estimates in Iowa's Counties: 1970-1998

Willis Goudy, Iowa State University
Beth Henning, State Library of Iowa
Sandra Charvat Burke, Iowa State University

The U.S. Bureau of the Census estimates the population of counties each year between the decennial censuses. The estimates for 1 July 1998 were released in March of 1999. They are included with revised estimates for 1991-1997 and the 1990 census counts in Table 1. Iowa's population was estimated to have increased by more than 85,600 (3.1 percent) between 1 April 1990 (census date) and 1 July 1998 (Table 1). While the nation as a whole has been increasing by about 1 percentage point per year, growth has been slower in Iowa (less than half a percentage point a year).

1990-1998 Population Change

Fifty-one counties were estimated to have gained residents between 1990 and 1998 (Figure 1), with increases greater than 1,000 in 21 of these 51. The gains of 32,686 in Polk and 13,884 in Linn were the only ones exceeding 10,000; Dallas, Johnson, and Scott each increased by at least 5,000 residents. Twenty-one of the 51 counties with gains grew by fewer than 500 inhabitants. Declines occurred in 48 counties, although only in Black Hawk, Clinton, and Webster were the decreases greater than 1,000. Another 16 noted declines of at least 500, while the remaining 29 had decreases of less than 500.

Iowa's relatively slow rate of growth (3.1%) is reflected in county figures as well (Figure 2); 62 of the 99 counties increased (30) or decreased (32) by less than 4 percent in the 1990-1998 period. Eight counties (Benton, Dallas, Dickinson, Linn, Madison, Mills, Polk, Warren) grew by at least 8 percent, or more than a percentage point a year on average. Dallas was the only county that gained more than 20 percent. Only Adams declined by at least 8 percent, although eight others decreased by 5 to 7 percent according to the bureau's figures.

There are 3,142 counties in the United States. Only 13 of Iowa's 99 counties were in the top half of the distribution of all U.S. counties on percentage change in population from 1990 to 1998. The highest rank (267th) for this state was earned by Dallas County's increase of 24.0 percent. Twelve Iowa counties were among the 10 percent in the nation with the most negative change, with Adams' -10.6 percent ranking it at 3,070th.

The estimates for the state and counties are based on births, deaths, and residual change. Most of the residual is net migration. Residual change also is affected by any inaccuracies in data supplied to the census bureau or in variations in implementing the estimating method. Actually, even the births and deaths are based on estimates, since they normally are reported for calendar years rather than the period covered by the population estimate. Thus, caution is urged in interpreting the estimates. They provide only a preliminary view of change since the 1990 census.

1971-1979 and 1981-1989 Population Estimates

After a decennial census, the bureau re-evaluates the estimates that it provided during the previous decade and issues revised numbers (Tables 2, 3). Generally, the revised figures for 1981-1989 are substantially lower, especially in the initial years of the 1980s, than were reported originally. These revised numbers have been used throughout this edition of the annual county data book as the base to calculate rates and percentages for the years between the 1970 and 1990 censuses.

Table 1. Estimates (1 July 1991-1998), Census Count (1 April 1990), and Estimated Change (1990-1998) in Population in Iowa's Counties.

County	1 July 1998	1 July 1997	1 July 1996	1 July 1995	1 July 1994	1 July 1993	1 July 1992	1 July 1991	1 April 1990	Estimated Change 1990-1998	
										Number	Percent
Adair	8064	8152	8223	8247	8285	8408	8387	8400	8409	-345	-4.1
Adams	4352	4410	4453	4509	4560	4591	4656	4731	4866	-514	-10.6
Allamakee	13989	14008	14050	14131	13967	14018	13975	13914	13855	134	1.0
Appanoose	13595	13532	13606	13602	13627	13824	13810	13736	13743	-148	-1.1
Audubon	6784	6818	6848	6892	6944	7003	7118	7235	7334	-550	-7.5
Benton	25418	25001	24708	24347	23861	23455	22867	22614	22429	2989	13.3
Black Hawk	121121	121594	122281	122620	123638	124293	124263	124550	123798	-2677	-2.2
Boone	26233	26190	25877	25561	25244	25199	25301	25359	25186	1047	4.2
Bremer	23411	23297	23318	23190	23105	23166	23037	22928	22813	598	2.6
Buchanan	21190	21182	21194	21193	21274	21126	20975	20914	20844	346	1.7
Buena Vista	19454	19541	19828	19920	20026	20221	20056	19934	19965	-511	-2.6
Butler	15693	15739	15724	15733	15708	15679	15779	15825	15731	-38	-0.2
Calhoun	11378	11399	11489	11523	11670	11511	11525	11507	11508	-130	-1.1
Carroll	21706	21663	21579	21586	21475	21597	21460	21412	21423	283	1.3
Cass	14591	14752	14885	14938	15084	15027	15011	15038	15128	-537	-3.5
Cedar	17977	17992	17768	17664	17507	17508	17671	17488	17444	533	3.1
Cerro Gordo	46159	46408	46409	46626	46487	46553	46817	47073	46733	-574	-1.2
Cherokee	13191	13342	13431	13615	13866	13901	13969	14058	14098	-907	-6.4
Chickasaw	13441	13424	13406	13412	13380	13308	13266	13244	13295	146	1.1
Clarke	8362	8231	8254	8147	8156	8336	8347	8271	8287	75	0.9
Clay	17532	17611	17551	17529	17655	17670	17743	17624	17585	-53	-0.3
Clayton	18722	18787	18788	18752	18790	18835	18760	18861	19054	-332	-1.7
Clinton	49897	50075	50332	50866	50991	51236	51224	50959	51040	-1143	-2.2
Crawford	16446	16466	16437	16473	16482	16507	16670	16671	16775	-329	-2.0
Dallas	36900	35798	34478	33323	32461	31829	31063	30415	29755	7145	24.0
Davis	8403	8441	8398	8484	8432	8382	8314	8314	8312	91	1.1
Decatur	8220	8185	8227	8269	8131	8044	8134	8139	8338	-118	-1.4
Delaware	18578	18463	18382	18395	18361	18305	18298	18152	18035	543	3.0
Des Moines	41944	42108	42365	42543	42793	42862	42847	42778	42614	-670	-1.6
Dickinson	16236	16057	15760	15579	15397	15375	15235	15189	14909	1327	8.9
Dubuque	87806	88145	88369	88322	88160	87877	87402	86831	86403	1403	1.6
Emmet	10887	10973	11037	11154	11297	11410	11611	11605	11569	-682	-5.9
Fayette	21761	21924	21974	21952	21918	21929	21968	21999	21843	-82	-0.4
Floyd	16353	16503	16541	16583	16723	16800	16935	16850	17058	-705	-4.1
Franklin	10863	10909	11019	11006	11036	11245	11173	11310	11364	-501	-4.4
Fremont	7746	7797	7919	8036	8149	8134	8186	8162	8226	-480	-5.8
Greene	10065	10075	10059	9997	10069	10137	10088	10056	10045	20	0.2
Grundy	12183	12291	12291	12221	12131	12054	12069	11951	12029	154	1.3
Guthrie	11571	11472	11402	11351	11229	11194	11173	11127	10935	636	5.8
Hamilton	16011	16034	16065	16221	16037	16040	16121	16038	16071	-60	-0.4
Hancock	12044	12019	12134	12124	12052	12156	12380	12488	12638	-594	-4.7
Hardin	18462	18575	18649	18748	18652	18605	18787	18947	19094	-632	-3.3
Harrison	15364	15298	15226	15082	14874	14805	14688	14672	14730	634	4.3
Henry	19983	19859	19852	19859	19724	19548	19584	19461	19226	757	3.9
Howard	9689	9711	9746	9749	9785	9887	9895	9863	9809	-120	-1.2
Humboldt	10323	10351	10383	10378	10429	10470	10553	10667	10756	-433	-4.0
Ida	7912	8008	8083	8194	8322	8312	8284	8281	8365	-453	-5.4
Iowa	15550	15487	15365	15163	14949	14876	14763	14750	14630	920	6.3
Jackson	20078	20048	20130	20138	20218	20130	20080	19896	19950	128	0.6
Jasper	35961	35772	35463	35187	35168	35007	34834	34738	34795	1166	3.4

Table 1. Estimates (1 July 1991-1998), Census Count (1 April 1990), and Estimated Change (1990-1998) in Population in Iowa's Counties (continued).

County	1 July 1998	1 July 1997	1 July 1996	1 July 1995	1 July 1994	1 July 1993	1 July 1992	1 July 1991	1 April 1990	Estimated Change 1990-1998	
										Number	Percent
Jefferson	17113	17079	16882	16773	16812	16746	16476	16376	16310	803	4.9
Johnson	102724	101928	101386	101111	100341	98899	97937	96669	96119	6605	6.9
Jones	20349	20274	20323	20353	19962	19839	19748	19568	19444	905	4.7
Keokuk	11499	11519	11529	11629	11515	11620	11603	11621	11624	-125	-1.1
Kossuth	17738	17909	17949	18087	18157	18145	18212	18295	18591	-853	-4.6
Lee	38471	38677	38729	39059	38930	38879	39052	38900	38687	-216	-0.6
Linn	182651	181289	179826	179090	176847	175092	173117	170665	168767	13884	8.2
Louisa	11938	11885	11951	11822	11757	11749	11430	11617	11592	346	3.0
Lucas	9152	9118	9030	9027	9018	9053	9043	9116	9070	82	0.9
Lyon	12012	11985	11933	11836	11900	11962	11964	11942	11952	60	0.5
Madison	13872	13740	13614	13449	13034	12871	12778	12571	12483	1389	11.1
Mahaska	21901	21780	21766	21833	21733	21667	21520	21465	21532	369	1.7
Marion	31357	31221	31109	30993	30685	30427	30216	30146	30001	1356	4.5
Marshall	38732	38818	38714	38715	38252	37891	37768	38123	38276	456	1.2
Mills	14477	14346	13990	13804	13560	13362	13365	13261	13202	1275	9.7
Mitchell	11012	11079	11080	11074	11058	11014	10841	10921	10928	84	0.8
Monona	10110	10131	10085	10072	10104	10077	10048	9979	10034	76	0.8
Monroe	8041	8085	8093	8171	8157	8156	8195	8159	8114	-73	-0.9
Montgomery	11910	11874	11884	11918	11968	12036	11903	11972	12076	-166	-1.4
Muscatine	41126	40939	40951	41170	41030	41036	40719	40472	39907	1219	3.1
O'Brien	14910	14987	15014	15268	15337	15398	15470	15436	15444	-534	-3.5
Osceola	6980	7064	7062	7059	7153	7188	7211	7269	7267	-287	-3.9
Page	17269	17147	17295	16689	16749	16624	16655	16843	16870	399	2.4
Palo Alto	10017	10075	10110	10131	10405	10429	10507	10579	10669	-652	-6.1
Plymouth	24825	24888	24743	24343	24261	23948	23715	23471	23388	1437	6.1
Pocahontas	8777	8828	8944	9107	9120	9150	9299	9388	9525	-748	-7.9
Polk	359826	356132	353915	350693	346610	343053	338167	332618	327140	32686	10.0
Pottawattamie	86174	85294	84712	83730	83349	83502	83400	82802	82628	3546	4.3
Poweshiek	18865	18941	18962	18884	18962	18863	18926	18936	19033	-168	-0.9
Ringgold	5354	5356	5349	5326	5334	5371	5390	5392	5420	-66	-1.2
Sac	11931	11933	11998	12027	12111	12053	12163	12162	12324	-393	-3.2
Scott	158591	157842	157220	156580	156022	155575	155033	153268	150973	7618	5.0
Shelby	12978	13077	13073	13032	13115	13173	13232	13271	13230	-252	-1.9
Sioux	31280	31024	31052	31224	31251	30888	30397	30091	29903	1377	4.6
Story	75268	74666	74452	74165	74219	74700	74224	74001	74252	1016	1.4
Tama	17739	17668	17653	17755	17748	17606	17426	17374	17419	320	1.8
Taylor	7153	7128	7162	7145	7109	7072	7056	7071	7114	39	0.5
Union	12554	12520	12605	12444	12446	12554	12552	12663	12750	-196	-1.5
Van Buren	7886	7835	7747	7767	7740	7767	7727	7734	7676	210	2.7
Wapello	35440	35523	35637	35633	35981	36055	35884	35735	35696	-256	-0.7
Warren	40196	39769	39413	38827	38343	37882	37223	36611	36033	4163	11.6
Washington	20967	20899	20668	20517	20251	20258	20181	19886	19612	1355	6.9
Wayne	6659	6769	6820	6841	6894	6982	6975	7035	7067	-408	-5.8
Webster	38705	38643	38967	39270	39442	39878	40100	40233	40342	-1637	-4.1
Winnebago	11931	12014	11982	11925	11896	11838	11910	11972	12122	-191	-1.6
Winneshiek	20934	20833	20938	20943	20986	21006	20980	21024	20847	87	0.4
Woodbury	101672	101964	102373	101978	101287	100791	99854	99183	98276	3396	3.5
Worth	7779	7786	7866	7838	7833	7960	7879	7882	7991	-212	-2.7
Wright	14003	14132	14291	14359	14217	14155	14253	14149	14269	-266	-1.9
State of Iowa	2862447	2854330	2848603	2840620	2829270	2820625	2806876	2790942	2776831	85616	3.1

Table 2. Estimates (1 July 1981-1989) and Census Counts (1 April 1980, 1990) of Population in Iowa's Counties.

County	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	8409	8430	8510	8550	8700	8940	9140	9210	9260	9400	9509
Adams	4866	4990	5100	5220	5200	5310	5420	5490	5560	5630	5731
Allamakee	13855	14070	14160	14160	14390	14640	14830	14890	14870	14990	15108
Appanoose	13743	13820	13960	14120	14150	14390	14650	14870	15160	15360	15511
Audubon	7334	7410	7510	7610	7850	8090	8320	8250	8360	8470	8559
Benton	22429	22440	22300	22210	22350	22520	22820	22910	23300	23610	23649
Black Hawk	123798	123260	122450	123820	126210	130080	133880	135580	136840	137900	137961
Boone	25186	25110	25180	25160	25320	25510	25710	25900	26060	26280	26184
Bremer	22813	22710	22520	22720	23230	23710	24200	24540	24660	24790	24820
Buchanan	20844	20890	20760	20790	21080	21810	22250	22740	22980	23030	22900
Buena Vista	19965	20050	20170	20100	20400	20570	20930	20750	20850	20890	20774
Butler	15731	15830	15970	15990	16330	16780	17100	17250	17430	17580	17668
Calhoun	11508	11600	11640	11760	11960	12340	12760	13010	13240	13390	13542
Carroll	21423	21500	21730	21780	22100	22430	22640	22640	22670	22970	22951
Cass	15128	15230	15330	15420	15840	16370	16880	16880	16920	17060	16932
Cedar	17444	17380	17330	17480	17820	18210	18430	18580	18520	18620	18635
Cerro Gordo	46733	46850	47220	47360	48160	48500	48060	48070	48220	48420	48458
Cherokee	14098	14140	14280	14510	14850	15270	15660	15850	15870	16130	16238
Chickasaw	13295	13420	13540	13720	14180	14490	14900	15150	15210	15320	15437
Clarke	8287	8330	8410	8350	8290	8390	8490	8570	8720	8650	8612
Clay	17585	17450	17200	17320	17770	18390	18950	19200	19220	19400	19576
Clayton	19054	19220	19370	19410	19700	20180	20510	20600	20810	20950	21098
Clinton	51040	51060	51370	51720	52450	53590	54520	55330	56360	56680	57122
Crawford	16775	17060	17480	17610	17740	18330	18740	18810	18840	18890	18935
Dallas	29755	29320	29180	28810	28880	29250	29180	29320	29180	29360	29513
Davis	8312	8300	8380	8560	8690	8790	8930	8990	9030	9110	9104
Decatur	8338	8490	8460	8560	8780	8910	9100	9280	9580	9750	9794
Delaware	18035	18050	17990	17930	18060	18520	18760	18730	18720	18850	18933
Des Moines	42614	42610	42810	42950	43220	43850	44360	44710	45420	46120	46203
Dickinson	14909	14850	14730	14660	14820	15050	15220	15250	15390	15570	15629
Dubuque	86403	86650	87360	87130	87770	89100	89620	90300	91990	93310	93745
Emmet	11569	11540	11680	11650	11900	12410	12760	12830	13140	13270	13336
Fayette	21843	21850	21880	22000	22600	23380	24150	24460	24840	25060	25488
Floyd	17058	17310	17400	17540	17890	18520	18780	19000	19100	19350	19597
Franklin	11364	11400	11540	11800	12100	12400	12510	12720	12790	12900	13036
Fremont	8226	8250	8440	8670	8670	8830	9030	9060	9170	9250	9401
Greene	10045	10170	10310	10520	10820	11200	11490	11710	11790	11980	12119
Grundy	12029	12120	12280	12430	12800	13250	13510	13780	13950	14190	14366
Guthrie	10935	10920	11070	11050	11280	11420	11600	11550	11690	11860	11983
Hamilton	16071	16300	16460	16570	16840	16990	17200	17430	17590	17840	17862
Hancock	12638	12830	12870	12900	13090	13380	13500	13410	13580	13660	13833
Hardin	19094	19220	19390	19640	20280	20880	21320	21320	21550	21660	21776
Harrison	14730	14830	15080	15180	15340	15450	15630	15810	16040	16160	16348
Henry	19226	19050	19120	19060	18970	18840	18560	18550	18690	18810	18890
Howard	9809	9910	10060	10140	10290	10570	10860	10780	10910	11000	11114
Humboldt	10756	10760	10870	10950	11270	11620	11830	11940	11970	12180	12246
Ida	8365	8390	8340	8380	8600	8750	8800	8800	8750	8890	8908
Iowa	14630	14660	14700	14700	14920	15080	15120	15100	15160	15410	15429
Jackson	19950	20190	20580	20810	21120	21570	21860	21990	22080	22300	22503
Jasper	34795	34760	34750	34570	34640	34720	35030	35240	35710	36050	36425

Table 2. Estimates (1 July 1981-1989) and Census Counts (1 April 1980, 1990) of Population in Iowa's Counties (continued).

County	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Jefferson	16310	16380	16350	16300	16270	16330	16380	16140	16320	16090	16316
Johnson	96119	94370	92570	90500	89410	88540	87330	86020	84640	83690	81717
Jones	19444	19390	19140	19030	19350	19650	19900	19920	20020	20180	20401
Keokuk	11624	11660	11830	11900	12120	12390	12500	12570	12640	12780	12921
Kossuth	18591	18840	19040	19160	19690	20400	20830	21020	21200	21520	21891
Lee	38687	38890	39170	39670	40320	40800	41570	41890	42270	42580	43106
Linn	168767	167710	165980	164340	164170	164830	165250	165410	167050	168750	169775
Louisa	11592	11570	11640	11630	11630	11790	12000	11990	12000	12150	12055
Lucas	9070	9180	9300	9390	9550	9770	10040	10070	10280	10270	10313
Lyon	11952	11910	11950	11900	12080	12380	12580	12740	12700	12790	12896
Madison	12483	12410	12320	12260	12240	12210	12230	12320	12470	12500	12597
Mahaska	21532	21410	21560	21470	21640	21850	22140	22010	22280	22560	22867
Marion	30001	30040	29890	29590	29460	29520	29630	29680	29930	29830	29669
Marshall	38276	38280	38410	38760	39660	40280	40980	41530	41830	41830	41652
Mills	13202	13240	13320	13210	13230	13340	13310	13370	13380	13520	13406
Mitchell	10928	11010	11110	11140	11260	11430	11590	11840	11940	12110	12329
Monona	10034	10160	10300	10340	10530	10840	11210	11420	11400	11520	11692
Monroe	8114	8100	8150	8250	8360	8590	8700	8850	8950	9120	9209
Montgomery	12076	12110	12060	12090	12350	12840	13170	13130	13150	13360	13413
Muscatine	39907	39760	39740	39540	40020	40420	40850	41070	41400	41000	40436
O'Brien	15444	15520	15560	15610	15930	16320	16700	16920	16860	16970	16972
Osceola	7267	7260	7350	7360	7540	7760	8060	8130	8130	8260	8371
Page	16870	16840	16740	16970	17300	17790	18180	18360	18610	18920	19063
Palo Alto	10669	10760	10850	10980	11370	11890	12160	12450	12510	12670	12721
Plymouth	23388	23450	23690	23560	23600	23690	24080	24290	24430	24880	24743
Pocahontas	9525	9720	9870	10010	10370	10740	10840	10930	10970	11160	11369
Polk	327140	322470	317120	312850	309720	308350	307090	305720	304570	304870	303170
Pottawattamie	82628	82780	83330	83800	84180	84830	85620	85470	85940	86320	86561
Poweshiek	19033	19060	18920	18750	18700	18890	18820	19050	19100	19270	19306
Ringgold	5420	5440	5430	5430	5570	5790	5970	6000	6110	6080	6112
Sac	12324	12350	12380	12560	12750	13080	13280	13460	13740	14010	14118
Scott	150973	150040	150220	150910	152610	154570	156280	157400	159620	160180	160022
Shelby	13230	13280	13420	13470	13800	14200	14700	14630	14780	14830	15043
Sioux	29903	29880	29980	29600	29900	30440	30610	30700	30530	30650	30813
Story	74252	73720	73880	73320	74020	74050	73410	73320	72300	72870	72326
Tama	17419	17490	17680	17810	18220	18660	19000	19040	19210	19340	19533
Taylor	7114	7190	7240	7410	7590	7840	8090	8210	8310	8320	8353
Union	12750	12640	12750	12860	12930	13140	13490	13660	13750	13850	13858
Van Buren	7676	7670	7850	7870	7990	8120	8300	8420	8520	8630	8626
Wapello	35696	35680	35590	36240	37140	38160	38820	39070	39380	39940	40241
Warren	36033	35660	35180	35040	34900	34780	34780	34720	34730	34980	34878
Washington	19612	19600	19640	19520	19620	19770	19810	19870	20070	20190	20141
Wayne	7067	7060	7080	7230	7360	7520	7820	7870	7960	8090	8199
Webster	40342	40510	40690	41110	41680	42690	43470	44110	44900	45490	45953
Winnebago	12122	12130	12050	12030	12320	12540	12630	12550	12550	12680	13010
Winneshiek	20847	21040	21050	20960	21140	21430	21690	21760	21820	21930	21876
Woodbury	98276	97750	97570	96800	97530	98910	99740	99810	100550	101190	100884
Worth	7991	8100	8170	8190	8480	8700	8810	8870	8950	9020	9075
Wright	14269	14350	14320	14430	14830	15400	15800	15770	15850	16080	16319
State of Iowa	2776831	2770720*	2768550*	2767130*	2792050*	2829780*	2858690*	2870650*	2888250*	2908050*	2913808

*The sums of the county estimates are as follows: 1989, 2,770,840; 1988, 2,768,650; 1987, 2,767,200; 1986, 2,792,140; 1985, 2,829,820; 1984, 2,858,740; 1983, 2,870,680; 1982, 2,888,340; 1981, 2,908,120. Differences between the bureau's estimates for the state and the county sums are due to rounding at the county level.

Table 3. Estimates (1 July 1971-1979) and Census Counts (1 April 1970, 1980) of Population in Iowa's Counties.

County	1980	1979	1978	1977	1976	1975	1974	1973	1972	1971	1970
Adair	9509	9500	9400	9400	9300	9300	9300	9600	9500	9300	9487
Adams	5731	5800	5900	5900	5800	5900	6000	6100	6300	6300	6322
Allamakee	15108	15400	15700	15600	15300	15200	15000	15100	15400	15300	14968
Appanoose	15511	15500	15400	15600	15200	14900	14700	15000	15500	15200	15007
Audubon	8559	8900	9000	9000	9000	8900	8900	9100	9400	9400	9595
Benton	23649	23700	23500	23400	23000	22900	22800	22900	22900	23000	22885
Black Hawk	137961	136200	136200	134900	134200	133100	132400	132800	132400	133400	132916
Boone	26184	26300	26400	26500	26300	26200	26500	26800	27500	26900	26470
Bremer	24820	24300	24000	23900	23800	23800	23800	23300	23100	22800	22737
Buchanan	22900	23200	23100	23100	22700	22500	22100	22000	21600	21600	21762
Buena Vista	20774	20600	20900	20900	20900	20800	20900	21000	21200	21000	20693
Butler	17668	17800	17700	17700	17500	17400	17400	17200	17100	17000	16953
Calhoun	13542	13500	13700	13800	13900	13800	13800	14000	13900	14200	14292
Carroll	22951	22900	23100	23000	23000	23000	23100	23100	22800	22800	22912
Cass	16932	17200	17200	17100	17000	17000	17100	17200	17000	17200	17007
Cedar	18635	18800	18900	18800	18300	17800	17800	18000	18100	18000	17655
Cerro Gordo	48458	48500	48900	49200	49200	49300	49700	49700	49300	49500	49223
Cherokee	16238	16400	16600	16600	16500	16500	16900	17200	17400	17300	17269
Chickasaw	15437	15500	15500	15400	15300	15200	14900	14900	14800	14700	14969
Clarke	8612	8500	8300	8200	8100	8000	7800	7800	7900	7600	7581
Clay	19576	19600	19500	19200	19000	18800	18500	18400	18400	18600	18464
Clayton	21098	21600	21800	21800	21500	21400	21100	21100	21300	20800	20606
Clinton	57122	58300	58300	58300	58200	57900	57400	56800	57100	57400	56749
Crawford	18935	19300	19200	19200	18900	18800	18700	18700	18900	18900	19116
Dallas	29513	29000	28800	28300	27800	27500	27200	26900	26600	26400	26085
Davis	9104	9200	9100	9200	8800	8600	8500	8400	8400	8200	8207
Decatur	9794	9800	9800	10000	9900	9900	9700	9600	9800	9700	9737
Delaware	18933	18700	18800	18800	18900	18900	18700	18800	18800	18400	18770
Des Moines	46203	45800	46000	45700	45600	45600	45800	45600	45500	46400	46982
Dickinson	15629	15700	15300	15100	14700	14300	13700	13400	13000	12900	12565
Dubuque	93745	93400	93700	94300	95700	94700	93800	93700	92700	91700	90609
Emmet	13336	13500	13700	13900	13700	13600	13700	13800	14200	13900	14009
Fayette	25488	25200	25800	26100	26100	26100	26200	26500	27100	26800	26898
Floyd	19597	19600	19800	19800	20100	20200	19900	19700	20300	21000	19860
Franklin	13036	13100	12900	12800	13100	13000	12900	13000	13200	13200	13255
Fremont	9401	9700	9700	9600	9600	9600	9600	9600	9800	9700	9282
Greene	12119	12300	12200	12300	12400	12400	12400	12500	12600	12700	12716
Grundy	14366	14400	14200	14000	14100	14100	14000	14000	14100	14100	14119
Guthrie	11983	11900	12000	12300	12200	12200	12300	12400	12700	12300	12243
Hamilton	17862	18000	18100	18000	18300	18200	18100	18400	17800	18000	18383
Hancock	13833	13800	13900	14000	13800	13600	13400	13700	13900	13500	13506
Hardin	21776	22000	21700	22100	22200	22200	22300	22100	22300	22300	22248
Harrison	16348	16600	16600	16900	16700	16600	16600	16800	17100	16600	16240
Henry	18890	18900	19000	18600	18400	18300	18300	18200	18200	18300	18114
Howard	11114	11100	11300	11500	11500	11500	11300	11300	11200	11300	11442
Humboldt	12246	12300	12400	12600	12600	12400	12400	12500	12800	12700	12519
Ida	8908	9000	9000	9100	9100	9100	9200	9400	9300	9200	9283
Iowa	15429	15700	15800	15900	15900	15900	15800	15900	15500	15400	15419
Jackson	22503	22400	22300	22100	21900	21600	21300	21200	21200	21300	20839
Jasper	36425	36800	36700	36700	36700	36600	36500	36500	35500	35700	35425

Table 3. Estimates (1 July 1971-1979) and Census Counts (1 April 1970, 1980) of Population in Iowa's Counties (continued).

County	1980	1979	1978	1977	1976	1975	1974	1973	1972	1971	1970
Jefferson	16316	16300	16200	15900	15700	15300	14600	15900	16200	16300	15774
Johnson	81717	81400	79500	79200	79100	76500	76100	74900	73100	73600	72127
Jones	20401	20400	20100	20300	20200	19900	19500	19600	19800	19800	19868
Keokuk	12921	13100	13300	13500	13500	13500	13600	13900	13900	14200	13943
Kossuth	21891	21900	22100	22100	22300	22400	22300	22600	23100	23000	22937
Lee	43106	43400	43800	43800	43400	42600	42900	42800	43400	44200	42996
Linn	169775	167900	167500	167200	168200	167200	165700	164500	165200	164800	163213
Louisa	12055	12100	12100	11900	11500	11300	11200	11200	11200	11000	10682
Lucas	10313	10400	10300	10200	10300	10300	10300	10400	10400	10300	10163
Lyon	12896	12800	13100	13000	13100	13100	13200	13400	13100	13000	13340
Madison	12597	12900	12800	12600	12300	12100	12200	12200	12200	11700	11558
Mahaska	22867	23000	23000	22900	22200	22100	22500	22400	22500	22500	22177
Marion	29669	29200	29200	28700	27900	27400	27000	26800	26900	26800	26352
Marshall	41652	41700	42400	43000	42700	42700	42200	42000	42400	41800	41076
Mills	13406	13600	13400	13200	12900	12600	12600	12400	12600	12300	11832
Mitchell	12329	12400	12500	12500	12700	12600	12600	12700	12600	12900	13108
Monona	11692	12200	12200	12200	12100	12000	12000	12200	12200	12000	12069
Monroe	9209	9600	9400	9400	9300	9300	9300	9400	9400	9500	9357
Montgomery	13413	13400	13500	13600	13300	13200	13100	13100	13500	13100	12781
Muscatine	40436	40500	40500	40400	40200	39800	39000	38500	38100	37900	37181
O'Brien	16972	17000	17300	17400	17400	17400	17500	17400	17800	17800	17522
Osceola	8371	8500	8400	8400	8500	8400	8600	8600	8500	8500	8555
Page	19063	19400	19300	19300	19100	19000	19100	18900	19300	19000	18537
Palo Alto	12721	12900	13200	13400	13300	13200	13300	13200	13700	13600	13289
Plymouth	24743	25000	25000	25100	24600	24300	24100	24100	24400	24400	24322
Pocahontas	11369	11700	11800	11800	12100	12200	12000	12200	12300	12700	12793
Polk	303170	302300	302900	302100	304500	303100	300800	297300	292800	291300	286130
Pottawattamie	86561	86500	86900	87800	87300	86700	86800	87500	88900	88300	86991
Poweshiek	19306	19100	19100	19200	19200	19400	19200	19200	19000	18700	18803
Ringgold	6112	6100	6200	6300	6200	6100	6200	6300	6400	6400	6373
Sac	14118	14300	14600	14800	15000	14900	15000	15200	15300	15500	15573
Scott	160022	159600	158700	156900	155100	152800	149600	146200	144700	145000	142687
Shelby	15043	14800	14800	15000	15000	15100	15200	15500	15800	15700	15528
Sioux	30813	30600	30300	29900	29500	29000	28900	28500	28200	28100	27996
Story	72326	71400	71300	69900	69100	68000	67700	66400	64600	63700	62783
Tama	19533	19900	20100	20000	19900	19600	20200	20200	20100	20400	20147
Taylor	8353	8300	8400	8300	8400	8400	8400	8600	8800	8900	8790
Union	13858	14100	13900	13800	13700	13500	13600	13600	13900	13700	13557
Van Buren	8626	8500	8500	8600	8300	8300	8500	8500	8800	8500	8643
Wapello	40241	40700	40500	40500	40100	39800	40800	42000	41900	42300	42149
Warren	34878	34300	33600	32900	31900	31200	30700	30300	28900	28100	27432
Washington	20141	20300	20100	20000	19700	19500	19500	19400	19400	19000	18967
Wayne	8199	8100	8200	8300	8200	8200	8400	8400	8300	8300	8405
Webster	45953	45900	46500	46800	47200	47000	47000	47200	48300	48200	48391
Winnebago	13010	13500	13700	13600	13600	13400	13700	14000	13500	13000	12990
Winneshiek	21876	22200	22000	21900	21700	21700	21800	22000	22100	21900	21758
Woodbury	100884	102300	104200	105200	105300	104600	104400	104400	104500	104400	103052
Worth	9075	9300	9100	9000	8900	8900	8800	9000	9000	8900	8984
Wright	16319	16400	16600	16500	16800	16700	16700	17100	17000	17200	17294

State of Iowa 2913808 2917000* 2919000* 2914000* 2904000* 2881000* 2868000* 2864000* 2860000* 2852000* 2825368

*The sums of the county estimates are as follows: 1979, 2,916,400; 1978, 2,918,900; 1977, 2,914,500; 1976, 2,904,200; 1975, 2,881,400; 1974, 2,868,600; 1973, 2,863,800; 1972, 2,860,400; 1971, 2,852,100. Differences between the bureau's estimates for the state and the county sums are due to rounding at the county level.

Figure 1. Population change, 1990-1998.

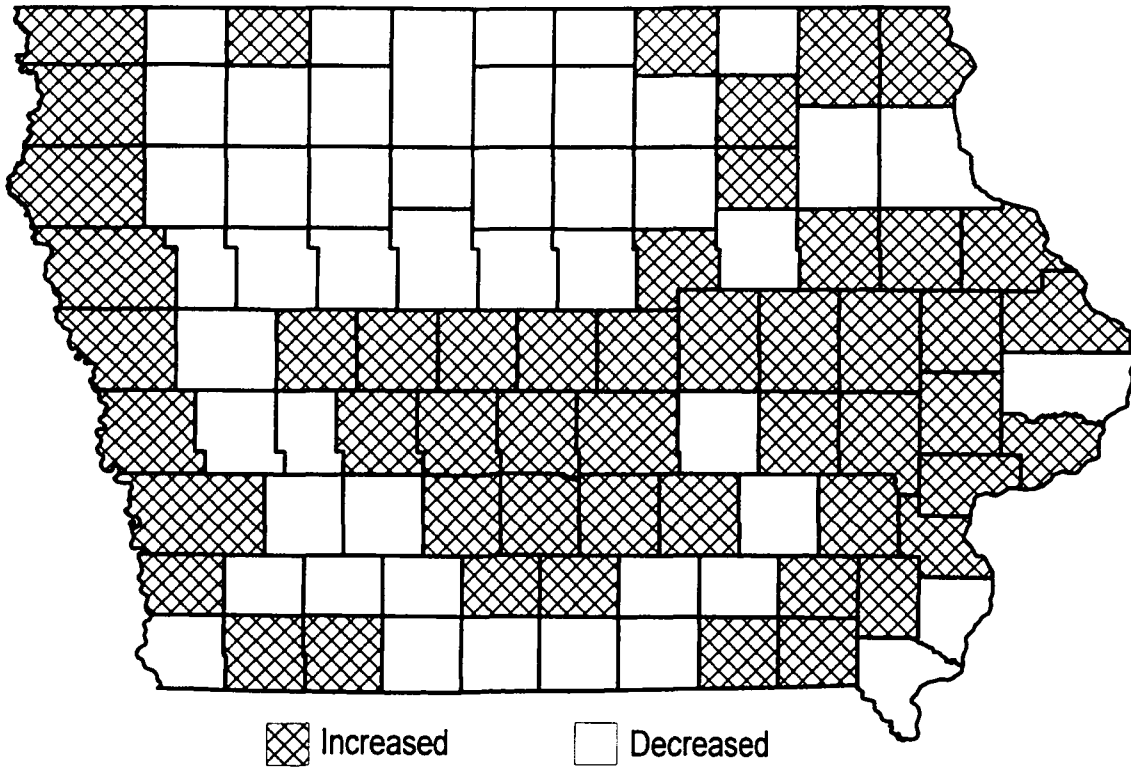
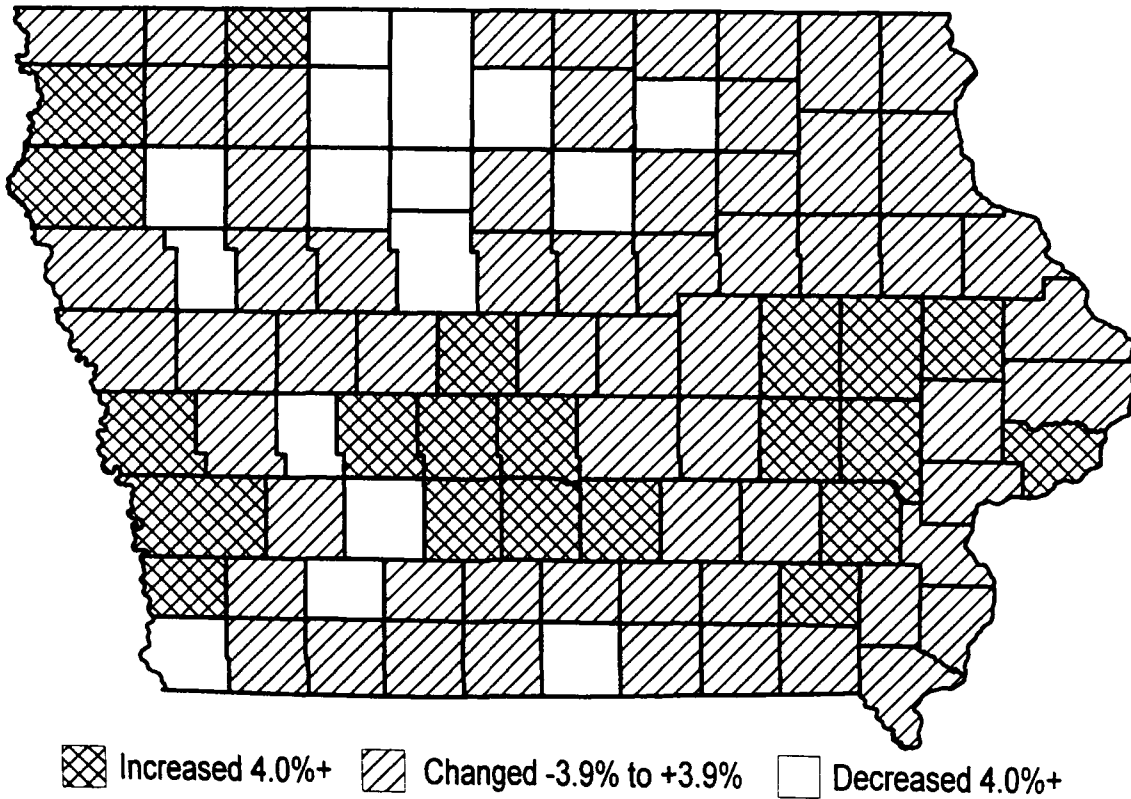


Figure 2. Percent population change, 1990-1998.



Projected Population in Iowa's Counties: 2000-2020

Willis Goudy, Iowa State University

Projections of the population of Iowa and its counties require the use of past trends, current information, and assumptions of what may occur in the future. In 1999, Woods and Poole Economics, Inc. (1794 Columbia Road, NW, Washington, DC 20009) provided projections to 2020. Economic models drive this set of projections, with employment statistics acting as a key determinant of the figures. Woods and Poole update their projections annually. This set of forecasts is obtained by the State of Iowa for use by its agencies.

For Iowa, the projection for the year 2000 indicates a gain of 118,000 from the 1990 census count (Table 1). That trend is anticipated to continue, with a gain of 136,000 projected from 2000 to 2010 and an increase of 156,000 from 2010 to 2020. The forecasts of 2,894,800 for 2000 and 3,030,800 for 2010 suggest Iowa will surpass the 1980 census count of 2,913,800 soon after the turn of the century. In percentage terms, the anticipated gains by decade are smaller in Iowa (1990-2000: 4.2%, 2000-2010: 4.7%, 2010-2020: 5.1%) than the nation (1990-2000: 10.4%, 2000-2010: 8.4%, 2010-2020: 8.4%), a pattern similar to most decades in the 1900s.

Using the 1990 census counts as a base, nearly equal numbers of counties are projected to gain (50) and decline (49) from 1990 to 2000. It is anticipated that 54 counties will have increasing populations in the first decade of the next century while 44 will decrease. About the same numbers for gains and declines are projected for the 2010-2020 decade. When the 1990 populations are compared with 2020 projections, 51 counties are predicted to have higher populations at the end of the period while the remaining 48 may decrease.

Numerical changes are projected to be much greater in some counties than others, of course. For example, Polk may gain more than 41,000 residents from 1990 to 2000 and 140,000 from 1990 to 2020. Others expected to increase by at least 10,000 in the period between 1990 and 2020 include Dallas, Johnson, Linn, Pottawattamie, Scott, Story, Warren, and Woodbury. Losses in those declining over the 30-year period will be relatively small according to these projections, with only those in Des Moines, Kossuth, Wapello, and Webster greater than 2,000, although declines could range from 1,000 to 1,999 in 17 others.

Percentage changes will be relatively small in most counties according to the Woods and Poole projections. For example, 48 counties are expected to change by less than three percentage points in either direction between 1990 and 2000. From 2000 to 2010, 49 may change by less than three points; this could increase slightly to 53 between 2010 and 2020. Gains of at least 10 percent could occur in Benton, Dallas, Johnson, Linn, Madison, Mills, Polk, and Warren in the 1990s. Indeed, Dallas, Johnson, Madison, Polk, and Warren are projected to increase by at least 10 percent every 10 years. No county is expected to decline by at least 10 percent in any of these three decades. For the entire 1990-2020 period, increases of at least 10 percent are projected for 30 counties; in Dallas, gains could exceed 60 percent while they could top 40 percent in Johnson, Polk, and Warren. Projected declines from 1990 to 2020 are greater than 10 percent in 10 counties.

Note: Caution is urged in examining population projections. It is difficult to predict population even a few years, let alone a few decades, into the future.

Table 1. Population, 1990, and Projected Population, 2000-2020, in Iowa's Counties.

County	Census	Woods and Poole Economics (1999)			County	Census	Woods and Poole Economics (1999)		
	1990	2000*	2010*	2020*		1990	2000*	2010*	2020*
Adair	8409	8180	8030	7920	Jefferson	16310	17200	17730	18370
Adams	4866	4440	4490	4540	Johnson	96119	107170	123050	139730
Allamakee	13855	13910	13630	13460	Jones	19444	20610	21670	22870
Appanoose	13743	13460	13170	13030	Keokuk	11624	11370	10940	10580
Audubon	7334	6750	6490	6270	Kossuth	18591	17690	16890	16250
Benton	22429	25750	28080	30580	Lee	38687	38480	37800	37330
Black Hawk	123798	122670	126520	131170	Linn	168767	186710	203170	220920
Boone	25186	26220	26370	26670	Louisa	11592	12110	12700	13420
Bremer	22813	23450	23810	24330	Lucas	9070	9010	8790	8630
Buchanan	20844	21190	21300	21530	Lyon	11952	12160	12650	13280
Buena Vista	19965	19530	19330	19250	Madison	12483	14200	15720	17400
Butler	15731	15640	15480	15430	Mahaska	21532	21930	22230	22650
Calhoun	11508	11290	10810	10360	Marion	30001	31740	33200	34910
Carroll	21423	22000	22950	24050	Marshall	38276	39160	40220	41560
Cass	15128	14720	14580	14490	Mills	13202	14580	15220	15920
Cedar	17444	18050	18320	18720	Mitchell	10928	11130	11340	11630
Cerro Gordo	46733	46270	45800	45640	Monona	10034	10020	10020	10030
Cherokee	14098	13410	13290	13180	Monroe	8114	8000	7770	7600
Chickasaw	13295	13490	13640	13890	Montgomery	12076	11940	12010	12110
Clarke	8287	8280	8450	8660	Muscatine	39907	41660	43110	44850
Clay	17585	17700	18040	18470	O'Brien	15444	14950	15030	15120
Clayton	19054	18660	18230	17940	Osceola	7267	6930	6720	6550
Clinton	51040	50090	49550	49330	Page	16870	17420	18380	19400
Crawford	16775	16270	15820	15460	Palo Alto	10669	9940	9460	9030
Dallas	29755	37480	43120	49060	Plymouth	23388	24980	26000	27120
Davis	8312	8430	8440	8540	Pocahontas	9525	8670	8140	7640
Decatur	8338	8090	7860	7640	Polk	327140	368670	416600	467510
Delaware	18035	18520	18760	19120	Pottawattamie	82628	87110	92550	98480
Des Moines	42614	41910	41070	40480	Poweshiek	19033	19050	19190	19450
Dickinson	14909	16320	17420	18620	Ringgold	5420	5290	5120	4960
Dubuque	86403	88550	89980	92010	Sac	12324	11730	11180	10710
Emmet	11569	10800	10340	9980	Scott	150973	159800	167610	176690
Fayette	21843	22280	23210	24320	Shelby	13230	13090	12960	12910
Floyd	17058	16350	15800	15350	Sioux	29903	31850	34400	37180
Franklin	11364	10770	10420	10110	Story	74252	76150	81230	86870
Fremont	8226	7820	7730	7660	Tama	17419	18090	19580	21200
Greene	10045	9920	9510	9190	Taylor	7114	7160	7230	7300
Grundy	12029	12400	12770	13210	Union	12750	12400	12230	12130
Guthrie	10935	11520	11810	12180	Van Buren	7676	7860	7990	8160
Hamilton	16071	15940	15530	15210	Wapello	35696	35070	33950	33060
Hancock	12638	11990	11770	11650	Warren	36033	41460	47180	53260
Hardin	19094	18370	17810	17370	Washington	19612	21420	23170	25090
Harrison	14730	15580	16330	17140	Wayne	7067	6750	6500	6290
Henry	19226	20270	21270	22420	Webster	40342	38220	36770	35540
Howard	9809	9660	9480	9350	Winnebago	12122	12020	11850	11770
Humboldt	10756	10290	9930	9690	Winneshiek	20847	21020	21360	21790
Ida	8365	7960	8050	8150	Woodbury	98276	104910	114400	124770
Iowa	14630	15700	16420	17280	Worth	7991	7730	7530	7430
Jackson	19950	20030	19800	19700	Wright	14269	14040	13510	13130
Jasper	34795	35760	35930	36320					
State of Iowa						2776831	2894700	3030800	3186700
United States						248718300	274676200	297783300	322771700

*County projections were rounded to the nearest 10 and state/nation projections to the nearest 100.

Counts (1990) and Estimates (1998) of Residents by Age and Sex in Iowa's Counties

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Sandra Charvat Burke, Iowa State University

The U.S. Bureau of the Census released estimates of the 1998 population of counties by five-year age groups in September of 1999. They are included in Tables 1A (females) and 1B (males). Numbers from the 1990 census are provided for comparative purposes in Tables 2A and 2B.

According to these estimates, females outnumbered males in the state in both 1990 (by 87,000) and 1998 (by 75,000). This trend was not continuous through the life span for either year, however. In 1998, males accounted for 51.2 percent of the population 19 or younger and 50.1 percent of 20-39 year olds. Among older age groups, females accounted for 50.8 percent of 40-59 year olds, 54.7 percent of 60-79 year olds, and 67.6 percent of those 80 and older.

From 1990 to 1998, the number of Iowa residents under the age of 20 gained slightly; the increase was about 6,000. An estimated loss of 66,700 occurred among 20-39 year olds. At the same time, there was an increase of 147,900 among the 40-59 year olds. Part of the change in the 20-39 and 40-49 categories can be attributed to the aging of baby-boomers. In 1990, these individuals were about 25-44 years of age; eight years later they were 33-52. Thus, more had moved from the 20-39 group in 1990 to the 40-59 by 1998. In the 60-79 year old age category, there was a decrease of 15,900. This decline is due in part to the inclusion of those born in the early 1930s, when birth rates declined substantially. Among those 80 and older, the gain was more than 14,400.

In 1998, it was estimated that females outnumbered males in all counties but five (Henry, Jones, Louisa, Page, Story). Prisons, labor-intensive industries, and universities may partially explain these exceptions. For example, there were 2,300 more males aged 20-24 (college age) than females in that age group in Story County—the location of Iowa State University—that year.

Twenty-seven counties experienced growth in their populations under the age of 20. Benton, Dallas, Madison, and Page were the only counties with increases in the 20-39 age category, however. All counties noted gains in their 40-59 year old populations, and 14 counties had more persons 60-79 years of age in 1998 than in 1990. All except Fremont, Madison, Taylor, and Wayne had greater numbers 80 and older at the end of the period, although gains in 56 counties were less than 100.

The count of Iowans 75 or older exceeded that under the age of 5 for the first time in this state in the 1990 census; that trend has continued. Eighty-four counties in 1990 and 89 in 1998 had more residents 75 or older than under 5 years of age. When the upper category is raised to those 85 or older, then no county had more in the older group than under 5 years of age either year. But when the numbers of females were compared, Ringgold had more 85 and older than under the age of 5 in 1990. Hardin, Mitchell, Monona joined Ringgold, and Wayne in 1998 as counties estimated to have more females 85 or older than 4 or younger. In neither year did any county have more males 85 and older than under the age of 5, which reflects the shorter life expectancy of males than females.

Note: The estimates for the state and counties by the U.S. Bureau of the Census are based on births, deaths, and residual change. Most of the residual is net migration. Residual change also is affected by any inaccuracies in data supplied to the census bureau or in variations in implementing the estimating

Table 1A. Estimated Age of Females in Iowa's Counties, 1998.

County	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85+	Total
Adair	246	253	295	262	150	200	237	232	258	287	280	217	201	186	214	230	183	212	4143
Adams	117	120	143	141	76	107	118	135	165	170	151	129	104	131	113	109	88	89	2206
Allamakee	452	504	536	483	260	377	397	477	462	482	407	362	331	330	313	335	252	325	7085
Appanoose	414	419	497	512	316	371	385	445	516	490	411	388	354	318	366	322	257	293	7074
Audubon	208	235	217	209	105	164	173	194	225	231	236	195	197	181	204	197	150	196	3517
Benton	844	899	1006	891	605	795	812	911	973	941	758	667	578	502	510	502	358	336	12888
Black Hawk	3519	3890	4358	5300	5413	3528	3984	4773	4976	4270	3562	2845	2701	2475	2430	2038	1576	1606	63244
Boone	811	863	923	871	630	811	861	1062	1037	962	821	684	625	530	544	525	427	620	13607
Bremer	621	774	811	1062	834	577	622	791	966	906	739	583	442	495	501	441	389	424	11978
Buchanan	764	825	948	801	467	607	653	723	810	738	640	500	457	428	465	400	255	271	10752
Buena Vista	604	627	709	836	728	540	582	669	622	548	510	473	490	460	443	437	307	386	9971
Butler	438	512	579	542	278	379	463	542	555	520	478	423	394	408	419	365	330	346	7971
Calhoun	311	379	376	358	145	249	313	395	367	377	349	322	292	312	328	327	240	306	5746
Carroll	771	818	921	769	470	586	687	742	667	720	596	551	554	523	517	467	359	473	11191
Cass	408	500	515	489	272	379	420	508	531	514	491	410	362	352	396	406	316	330	7599
Cedar	532	639	736	592	378	526	554	705	696	678	522	453	438	373	398	343	277	323	9163
Cerro Gordo	1382	1427	1521	1744	1244	1496	1576	1770	1759	1578	1434	1252	1124	1161	1085	1051	788	894	24286
Cherokee	394	416	533	493	227	343	359	475	454	453	416	396	326	328	340	329	263	295	6840
Chickasaw	411	465	521	482	243	346	417	469	475	477	451	298	316	302	293	293	244	238	6741
Clarke	266	284	298	310	171	238	233	331	290	311	273	208	228	171	186	217	150	193	4358
Clay	575	623	670	610	415	510	587	701	672	572	518	468	432	435	389	356	264	349	9146
Clayton	604	673	734	679	382	515	537	639	651	617	563	520	459	412	440	398	329	324	9476
Clinton	1557	1682	1898	1905	1238	1528	1625	1798	2019	1855	1563	1243	1205	1105	1150	961	722	797	25851
Crawford	535	566	660	666	348	438	472	519	603	617	476	415	392	369	380	350	254	330	8390
Dallas	1178	1365	1425	1297	814	1198	1329	1517	1693	1378	1155	854	760	602	607	567	443	499	18681
Davis	267	292	305	310	189	225	240	310	274	311	283	229	192	168	168	202	134	185	4284
Decatur	220	246	272	458	314	206	201	229	273	270	227	205	213	172	208	165	157	193	4229
Delaware	631	793	806	703	406	577	613	617	615	612	549	462	413	383	374	295	287	281	9417
Des Moines	1289	1403	1452	1466	1124	1276	1235	1610	1773	1644	1270	1082	1006	995	874	838	726	768	21831
Dickinson	420	492	576	477	285	395	431	664	643	598	507	500	496	456	474	413	274	303	8404
Dubuque	2682	3014	3231	3721	2794	2695	2797	3355	3365	3129	2518	2128	1859	1866	1727	1634	1319	1387	45221
Emmet	295	342	419	496	234	256	302	376	386	331	309	281	300	282	279	272	225	241	5626
Fayette	668	774	790	808	510	570	628	705	764	763	683	613	493	529	521	492	382	421	11114

Table 1A. Estimated Age of Females in Iowa's Counties, 1998 (continued).

County	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85+	Total
Floyd	475	539	631	598	364	413	425	566	599	643	530	432	438	393	450	397	279	359	8531
Franklin	325	371	380	357	203	276	313	368	435	372	341	308	292	279	262	249	210	254	5595
Fremont	210	260	326	297	139	188	214	273	290	285	221	223	215	204	187	208	158	156	4054
Greene	274	328	353	301	179	249	286	364	335	330	321	301	286	262	291	298	220	256	5234
Grundy	346	392	451	397	224	300	353	421	482	453	415	347	312	292	344	309	226	230	6294
Guthrie	283	404	423	396	211	266	308	389	443	404	398	366	346	299	299	273	209	268	5985
Hamilton	481	513	574	542	316	450	476	581	594	575	534	470	407	396	390	323	289	315	8226
Hancock	389	444	457	429	230	353	374	422	440	368	364	314	281	279	286	271	213	223	6137
Hardin	487	587	603	660	345	455	518	628	660	633	574	496	484	490	506	494	377	488	9485
Harrison	447	550	551	611	314	447	480	506	556	562	463	431	378	338	339	346	268	331	7918
Henry	613	630	696	751	520	542	609	703	825	704	537	463	399	363	432	363	314	356	9820
Howard	304	347	388	309	168	267	270	281	330	326	288	284	262	207	225	251	206	226	4939
Humboldt	282	361	369	342	164	257	305	332	369	346	341	313	284	284	287	291	174	190	5291
Ida	257	299	271	260	131	208	242	256	270	250	188	226	217	225	196	207	163	207	4073
Iowa	532	536	555	479	312	478	515	551	557	546	530	428	375	330	339	348	240	323	7974
Jackson	621	675	778	744	450	566	591	693	684	789	580	584	472	431	439	428	325	322	10172
Jasper	1042	1096	1285	1215	810	1051	1090	1321	1442	1357	1189	1006	916	809	780	689	563	556	18217
Jefferson	520	595	555	526	345	472	544	943	982	689	465	391	336	288	301	276	247	237	8712
Johnson	3074	2799	2554	5014	8373	4931	3895	4254	3826	2980	2157	1603	1304	1117	1073	951	809	863	51577
Jones	585	649	748	659	436	554	565	691	708	707	581	503	448	424	432	414	278	332	9714
Keokuk	321	429	376	414	215	335	339	360	381	392	346	368	271	276	279	276	230	265	5873
Kossuth	551	664	652	631	302	451	498	594	619	583	613	501	437	425	426	413	326	390	9076
Lee	1131	1236	1366	1365	956	1120	1151	1403	1501	1461	1126	962	954	909	827	724	622	632	19446
Linn	5690	5731	6006	7273	6524	6550	6343	7389	8006	7089	5698	4364	3561	3335	3071	2836	2060	2203	93729
Louisa	354	388	487	455	296	355	360	473	433	425	354	303	253	225	197	200	168	194	5920
Lucas	249	282	331	296	183	230	271	317	316	357	283	288	244	217	245	257	188	214	4768
Lyon	408	431	526	440	249	294	330	416	403	328	377	354	291	267	274	256	217	247	6108
Madison	433	468	600	521	284	365	450	560	527	530	435	361	282	261	257	262	194	253	7043
Mahaska	704	719	815	822	645	666	672	806	784	755	607	561	526	487	479	449	305	381	11183
Marion	904	1053	1120	1286	1037	882	930	1168	1167	1064	943	760	672	633	610	589	460	473	15751
Marshall	1137	1245	1326	1424	955	1091	1218	1514	1628	1549	1163	989	905	794	837	705	562	663	19705
Mills	397	468	585	594	315	417	496	638	664	548	443	329	298	225	265	240	182	180	7284
Mitchell	325	359	389	410	210	267	293	335	342	384	363	305	292	275	289	268	221	326	5653

Table 1A. Estimated Age of Females in Iowa's Counties, 1998 (continued).

County	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85+	Total
Monona	257	315	395	325	174	252	261	309	306	371	320	291	296	284	287	294	258	283	5278
Monroe	218	273	296	280	174	216	240	263	297	279	236	224	223	201	210	186	142	188	4146
Montgomery	324	370	417	455	225	345	341	415	475	408	346	335	307	285	319	289	285	297	6238
Muscatine	1379	1477	1657	1580	1199	1430	1324	1565	1616	1512	1183	897	771	767	742	664	523	584	20870
O'Brien	430	524	560	499	249	378	444	532	451	475	450	422	406	398	378	385	326	409	7716
Osceola	232	240	260	257	140	175	213	225	231	222	209	211	164	159	177	154	129	178	3576
Page	430	525	620	549	285	415	479	575	585	582	449	484	435	411	419	431	337	419	8430
Palo Alto	285	360	377	357	179	208	273	309	309	310	335	312	276	237	269	277	211	269	5153
Plymouth	840	900	1017	963	558	654	749	924	854	844	687	690	564	491	521	491	394	460	12601
Pocahontas	252	289	298	264	127	217	234	298	285	331	290	234	246	227	267	224	186	238	4507
Polk	12194	11636	11600	13276	13885	15226	13747	15362	16004	13890	10536	8318	7046	6248	5710	5094	3782	4122	187676
Pottawattamie	2917	2982	3113	3291	2520	3002	2887	3247	3407	3194	2685	2383	1998	1834	1655	1410	1033	1103	44661
Poweshiek	510	569	645	912	636	508	548	669	671	707	577	468	404	427	414	378	334	378	9755
Ringgold	115	175	176	179	86	123	132	161	194	182	170	179	141	170	173	164	132	146	2798
Sac	333	402	461	385	194	287	330	398	398	357	357	340	331	322	325	314	232	318	6084
Scott	5521	5700	6039	6172	5223	5606	5750	6512	6877	5989	4674	3554	2963	2900	2514	2203	1707	1601	81505
Shelby	358	446	488	481	224	353	343	442	429	417	393	369	315	323	357	334	247	299	6618
Sioux	1061	1233	1354	1642	1227	776	882	1054	952	984	815	666	666	636	626	586	444	437	16041
Story	1988	1941	1955	3761	5975	2691	2336	2538	2401	2131	1656	1271	1108	1042	1021	973	760	902	36450
Tama	492	577	690	631	393	473	507	563	624	646	573	517	447	408	421	434	310	398	9104
Taylor	207	241	281	268	125	164	196	236	242	254	211	214	195	188	187	186	172	166	3733
Union	368	403	501	541	294	369	361	455	507	440	363	357	270	278	270	270	250	296	6593
Van Buren	258	258	265	207	168	217	216	265	274	267	282	216	186	198	198	202	149	145	3971
Wapello	1061	983	1184	1329	917	1028	1084	1322	1407	1277	1067	1032	946	858	830	807	645	652	18429
Warren	1257	1388	1555	1790	1270	1218	1332	1644	1837	1726	1225	954	635	675	555	574	392	507	20534
Washington	711	700	782	696	495	656	647	751	793	754	594	533	475	488	458	420	389	444	10786
Wayne	194	206	238	199	135	183	170	197	224	226	206	180	208	172	200	183	146	211	3478
Webster	1253	1260	1395	1444	1026	1136	1234	1378	1442	1303	1169	1067	961	908	896	806	641	833	20152
Winnebago	351	392	426	562	254	306	352	430	410	417	313	291	274	262	263	303	260	257	6123
Winneshiek	626	667	705	1150	1058	551	610	637	652	648	580	476	450	397	426	358	315	364	10670
Woodbury	3481	3783	3999	4023	3106	3386	3338	3927	3941	3368	2693	2459	2335	1987	1932	1691	1309	1484	52242
Worth	226	243	277	258	161	211	221	287	266	280	244	195	214	189	168	208	146	188	3982
Wright	425	413	517	445	284	367	392	478	532	453	420	403	393	391	383	339	293	367	7295
State of Iowa	89139	94833	101751	110732	91436	91881	92740	108273	112026	102378	84222	70832	62821	58540	57141	52770	41107	46090	1468712

Table 1B. Estimated Age of Males in Iowa's Counties, 1998.

County	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85+	Total
Adair	235	256	339	281	169	203	226	272	303	254	238	221	207	155	182	176	119	85	3921
Adams	151	133	141	170	77	110	132	131	156	152	148	125	117	92	93	93	63	62	2146
Allamakee	453	489	551	565	324	381	446	521	508	493	400	349	345	316	279	222	145	117	6904
Appanoose	378	452	529	559	300	371	383	450	488	481	377	300	319	275	282	275	185	117	6521
Audubon	208	226	238	228	129	149	173	238	217	212	217	171	187	172	184	124	110	84	3267
Benton	890	971	1048	984	615	760	844	950	967	918	759	647	530	415	461	400	217	154	12530
Black Hawk	3713	4155	4594	5052	5000	3196	3341	4584	4794	4266	3324	2643	2298	2145	1854	1481	858	579	57877
Boone	803	867	947	927	627	737	847	1082	1096	890	809	681	601	450	442	349	282	189	12626
Bremer	626	751	896	1073	914	568	595	787	944	950	760	536	453	400	392	368	246	174	11433
Buchanan	754	905	954	929	487	566	633	782	842	716	652	470	406	378	370	288	189	117	10438
Buena Vista	642	690	691	850	814	570	591	704	636	533	441	401	445	392	379	326	209	169	9483
Butler	449	565	632	640	327	360	435	591	637	583	416	379	355	347	351	309	202	144	7722
Calhoun	319	373	439	399	278	355	366	475	394	365	339	289	277	251	268	186	144	115	5632
Carroll	792	912	937	818	491	586	704	787	717	672	568	492	448	426	429	338	215	183	10515
Cass	447	508	556	523	260	385	429	510	551	488	459	351	350	280	281	274	198	142	6992
Cedar	524	651	700	653	386	478	584	697	778	662	540	435	386	342	378	290	185	145	8814
Cerro Gordo	1474	1576	1614	1689	1187	1385	1433	1799	1699	1410	1300	1025	1071	963	855	666	405	322	21873
Cherokee	404	474	488	470	238	326	389	498	485	442	350	361	345	307	262	223	167	122	6351
Chickasaw	425	534	566	595	272	329	438	501	492	501	417	329	300	274	262	221	133	111	6700
Clarke	246	296	310	300	184	219	260	302	316	276	258	205	193	157	132	160	116	74	4004
Clay	563	603	767	607	389	461	548	689	661	596	460	395	406	352	328	258	167	136	8386
Clayton	570	704	764	747	405	509	577	715	644	677	524	491	452	376	365	336	218	172	9246
Clinton	1599	1711	1898	1967	1286	1455	1489	1852	1999	1833	1502	1172	1055	951	871	706	423	277	24046
Crawford	515	524	640	774	370	469	511	553	628	614	483	421	376	318	326	257	158	119	8056
Dallas	1262	1501	1590	1433	840	1076	1229	1515	1749	1472	1115	883	704	505	510	402	256	177	18219
Davis	289	289	356	341	198	238	245	291	316	284	266	213	185	138	164	128	113	65	4119
Decatur	242	234	263	441	373	183	202	270	255	276	197	197	176	151	172	148	112	99	3991
Delaware	668	805	818	732	466	532	620	686	654	610	564	463	384	363	317	219	142	118	9161
Des Moines	1221	1451	1586	1627	1078	1178	1202	1595	1792	1655	1222	954	870	834	682	563	345	258	20113
Dickinson	401	482	580	583	307	390	432	640	634	600	467	449	421	424	407	314	166	135	7832
Dubuque	2844	3087	3488	3925	3046	2628	2668	3245	3361	3048	2573	1964	1721	1556	1349	1032	623	427	42585
Emmet	297	380	450	530	284	242	272	382	412	342	303	242	262	242	216	179	127	99	5261
Fayette	691	727	836	939	608	580	628	798	779	713	658	554	509	436	415	350	256	170	10647

Table 1B. Estimated Age of Males in Iowa's Counties, 1998 (continued).

County	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85+	Total
Floyd	479	553	588	618	379	397	402	567	603	640	526	379	392	335	361	292	174	137	7822
Franklin	319	401	417	380	214	274	325	423	410	392	315	262	282	222	203	215	123	91	5268
Fremont	226	261	299	285	152	179	193	270	309	275	218	199	184	163	177	146	86	70	3692
Greene	292	349	365	350	199	251	260	350	374	321	312	242	272	217	211	222	156	88	4831
Grundy	365	391	472	431	230	278	350	454	475	483	407	303	286	238	280	243	123	80	5889
Guthrie	312	399	421	378	222	285	293	419	424	443	376	325	310	265	264	211	133	106	5586
Hamilton	478	530	598	597	353	471	508	583	646	518	471	385	431	323	354	268	156	115	7785
Hancock	385	491	485	478	230	325	385	465	450	398	359	281	267	232	229	203	145	99	5907
Hardin	496	603	700	901	412	423	544	657	648	594	513	465	430	402	403	354	256	176	8977
Harrison	536	538	650	574	337	412	467	517	559	545	445	402	351	286	279	232	175	141	7446
Henry	590	692	719	808	778	740	707	835	874	778	589	433	370	318	306	276	180	170	10163
Howard	305	334	413	351	205	275	288	342	311	317	286	229	264	199	214	179	125	113	4750
Humboldt	326	360	367	356	204	244	318	380	359	383	259	284	265	248	259	163	151	106	5032
Ida	267	310	312	302	140	192	240	285	282	258	189	180	193	193	173	143	97	83	3839
Iowa	508	526	567	542	364	480	520	602	615	533	464	415	363	291	305	237	130	114	7576
Jackson	658	758	841	835	483	574	593	725	702	731	611	529	441	395	368	320	192	150	9906
Jasper	1022	1187	1380	1441	920	1093	1157	1376	1510	1355	1068	898	877	687	672	560	339	202	17744
Jefferson	496	581	603	626	393	436	571	979	1069	657	425	348	314	223	223	200	150	107	8401
Johnson	3162	2843	2678	4880	8891	5095	4179	4322	3989	3014	2059	1543	1203	1020	871	669	425	304	51147
Jones	601	648	778	858	764	800	768	879	884	722	616	493	423	355	399	329	191	127	10635
Keokuk	359	438	462	419	234	321	361	410	395	388	327	287	286	231	223	217	153	115	5626
Kossuth	556	692	734	657	323	465	546	642	658	543	560	496	404	358	373	307	186	162	8662
Lee	1189	1324	1516	1411	1022	1226	1307	1575	1635	1460	1152	934	833	706	654	536	323	222	19025
Linn	6006	6061	6547	7379	6101	6342	6214	7389	7845	6806	5394	4291	3313	2904	2458	1880	1181	811	88922
Louisa	402	435	491	497	384	375	418	438	480	445	361	272	248	209	194	158	122	89	6018
Lucas	269	287	323	358	183	223	230	317	321	335	295	237	231	210	184	182	114	85	4384
Lyon	450	519	534	508	236	319	336	429	415	355	286	331	279	243	243	186	134	101	5904
Madison	438	539	564	637	299	328	423	578	578	534	432	333	297	221	209	185	134	100	6829
Mahaska	751	782	860	835	687	661	688	848	849	732	586	461	486	420	393	302	219	158	10718
Marion	1017	1114	1228	1353	1021	892	935	1191	1214	1166	906	752	664	593	561	446	336	217	15606
Marshall	1165	1311	1410	1488	975	1049	1132	1509	1639	1524	1180	924	885	801	721	635	360	319	19027
Mills	455	539	664	631	311	406	474	602	687	579	461	343	299	204	189	168	104	77	7193
Mitchell	332	383	414	428	222	284	305	382	377	375	302	296	279	246	236	224	157	117	5359

Table 1B. Estimated Age of Males in Iowa's Counties, 1998 (continued).

County	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85+	Total
Monona	277	355	320	358	166	247	252	359	346	347	324	267	242	239	238	224	148	123	4832
Monroe	236	278	324	289	192	204	237	266	285	299	223	224	178	174	170	143	88	85	3895
Montgomery	343	414	436	435	243	303	333	426	471	403	304	314	275	218	211	235	167	141	5672
Muscatine	1477	1581	1651	1685	1232	1365	1411	1633	1714	1444	1187	852	746	633	620	471	294	260	20256
O'Brien	453	545	596	580	351	366	462	531	494	419	408	371	348	319	330	292	194	135	7194
Osceola	224	246	285	279	159	184	236	239	230	242	176	180	182	142	119	117	85	79	3404
Page	451	510	644	733	614	612	576	750	717	602	496	416	371	358	339	292	199	159	8839
Palo Alto	283	343	420	480	210	238	291	327	320	317	253	278	265	213	203	178	132	113	4864
Plymouth	822	1046	1108	1041	664	619	745	890	916	851	638	610	589	448	437	375	236	189	12224
Pocahontas	291	313	347	304	128	220	260	294	300	310	279	222	228	214	193	158	114	95	4270
Polk	12932	12291	12178	12954	12472	14029	13033	14871	14962	13028	9768	7658	6386	4945	4319	3205	1901	1218	172150
Pottawattamie	3004	3098	3275	3503	2308	2738	2756	3215	3266	3002	2457	2094	1887	1516	1355	995	627	417	41513
Poweshiek	539	628	645	931	721	472	537	657	686	605	525	448	386	357	362	287	183	141	9110
Ringgold	147	186	173	170	89	116	144	156	188	170	157	181	147	135	126	127	79	65	2556
Sac	404	454	480	411	227	293	357	420	407	371	339	317	304	270	255	233	157	148	5847
Scott	5721	5925	6390	6220	5031	5105	5320	6528	6801	5928	4434	3456	2725	2432	2057	1498	905	610	77086
Shelby	418	480	508	473	259	326	377	449	456	430	384	330	325	296	299	250	164	136	6360
Sioux	1123	1269	1370	1526	1280	763	888	1104	1019	912	783	670	584	529	540	393	258	228	15239
Story	2225	2091	2049	4477	8309	3105	2384	2677	2443	2118	1591	1257	979	885	803	666	459	300	38818
Tama	544	607	692	647	402	463	511	620	624	630	587	426	453	350	379	340	181	179	8635
Taylor	190	268	271	255	135	142	190	262	265	227	203	187	188	148	164	141	98	86	3420
Union	354	435	476	535	331	308	354	437	537	424	366	283	261	226	228	184	124	98	5961
Van Buren	256	297	306	313	180	201	213	277	286	267	246	207	191	157	168	164	106	80	3915
Wapello	1041	1132	1271	1436	993	935	1001	1346	1338	1251	962	915	818	685	684	583	369	251	17011
Warren	1338	1496	1656	1905	1236	1100	1181	1610	1792	1641	1291	922	662	556	490	376	246	164	19662
Washington	717	738	853	753	511	644	672	806	808	722	575	493	434	355	381	323	219	177	10181
Wayne	195	189	236	223	112	153	179	223	213	229	177	182	182	171	170	158	93	96	3181
Webster	1291	1381	1389	1489	1063	1070	1142	1373	1423	1286	1064	961	909	797	654	558	421	282	18553
Winnebago	370	429	408	554	298	305	350	479	448	397	321	267	257	215	233	203	164	110	5808
Winneshiek	634	672	710	1057	1069	571	653	721	691	630	541	478	434	379	381	300	201	142	10264
Woodbury	3777	3889	4205	4195	3146	3404	3278	4053	3899	3249	2548	2186	2038	1644	1479	1130	723	587	49430
Worth	227	262	304	277	170	210	227	287	276	271	267	195	190	156	142	149	88	99	3797
Wright	431	429	493	469	296	331	405	531	498	468	416	339	362	295	339	275	184	147	6708
State of Iowa	93042	99738	107075	115900	95194	89232	91264	110449	112609	100073	80146	65546	58102	49598	46315	37572	24131	17749	1393735

Table 2A. Age of Females in Iowa's Counties, 1990.

County	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85+	Total
Adair	282	295	302	242	168	256	311	231	223	222	227	206	214	258	266	264	193	205	4365
Adams	151	157	158	145	90	149	172	139	154	146	132	140	131	172	142	120	93	87	2478
Allamakee	489	555	540	411	288	441	508	465	390	356	323	334	359	391	354	334	250	290	7078
Appanoose	458	464	502	453	342	441	483	449	429	364	335	358	384	415	423	358	257	285	7200
Audubon	252	275	256	204	126	207	241	219	212	189	196	207	235	223	233	208	158	176	3817
Benton	787	878	891	679	590	827	890	787	713	612	514	523	565	552	522	466	330	304	11430
Black Hawk	4032	4406	4458	5158	6305	4206	5061	4909	4300	3221	2933	2679	3002	2844	2515	1976	1470	1413	64888
Boone	837	915	879	729	670	918	1022	1032	817	693	610	598	641	652	595	546	431	575	13160
Bremer	684	842	819	945	844	678	787	792	791	666	590	525	486	577	532	426	365	382	11731
Buchanan	820	903	939	701	497	720	791	724	670	525	500	445	492	508	494	404	238	254	10625
Buena Vista	679	726	745	750	730	652	758	716	548	423	418	447	563	549	481	430	297	363	10275
Butler	480	572	611	487	311	447	593	550	478	394	386	403	440	487	441	356	321	309	8066
Calhoun	346	445	406	315	177	303	411	393	319	297	297	304	323	406	382	361	260	284	6029
Carroll	828	889	954	665	512	671	857	746	554	523	464	495	597	577	548	448	333	404	11065
Cass	462	593	537	443	312	471	551	521	464	398	404	397	416	439	466	422	323	301	7920
Cedar	553	689	730	531	400	613	671	701	570	508	406	407	460	417	406	346	248	249	8905
Cerro Gordo	1524	1628	1543	1655	1382	1810	2012	1817	1542	1190	1179	1175	1273	1288	1119	981	728	776	24622
Cherokee	460	519	593	497	262	437	499	532	416	365	368	403	388	373	366	327	239	251	7295
Chickasaw	446	528	528	424	258	411	535	460	389	364	355	276	344	353	309	283	230	214	6707
Clarke	287	320	297	274	189	285	291	343	243	217	226	183	254	201	201	207	141	169	4328
Clay	632	703	685	579	449	605	749	720	571	445	415	443	467	476	402	335	229	301	9206
Clayton	674	774	750	610	434	628	692	652	554	474	469	476	512	486	492	403	312	292	9684
Clinton	1754	1944	1962	1743	1390	1849	2094	1875	1749	1418	1333	1170	1355	1285	1257	958	706	724	26566
Crawford	598	640	662	643	383	531	612	548	531	472	386	393	430	446	407	357	243	297	8579
Dallas	1031	1197	1140	907	705	1137	1306	1213	1127	818	729	625	648	669	604	539	404	427	15226
Davis	278	310	319	283	204	253	300	296	226	222	226	198	210	207	190	212	138	178	4250
Decatur	242	287	275	389	338	245	272	229	224	204	187	192	236	216	248	177	167	181	4309
Delaware	685	860	782	609	427	681	745	592	501	444	434	406	435	423	366	279	260	242	9171
Des Moines	1447	1592	1528	1325	1240	1576	1596	1664	1549	1248	1033	1039	1133	1155	934	823	686	690	22258
Dickinson	420	513	544	399	281	435	517	620	505	410	381	440	494	481	454	370	244	253	7761
Dubuque	2925	3379	3242	3329	3062	3169	3476	3394	2816	2326	2009	1927	2012	1982	1673	1509	1215	1206	44651
Emmet	344	418	448	474	279	333	420	411	340	269	266	284	354	339	294	275	216	210	5974
Fayette	731	876	796	688	542	686	790	742	625	575	543	564	546	639	584	524	384	388	11223

Table 2A. Age of Females in Iowa's Counties, 1990 (continued).

County	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85+	Total
Floyd	555	605	682	568	427	520	566	597	535	500	459	409	507	475	515	417	276	333	8946
Franklin	368	423	405	326	240	335	412	386	378	292	291	300	333	354	309	261	220	235	5868
Fremont	245	316	338	281	159	235	279	300	254	224	185	219	242	282	222	230	175	153	4339
Greene	302	370	354	277	203	298	349	368	287	238	259	277	306	311	319	310	211	231	5270
Grundy	380	431	453	352	236	357	441	430	403	328	344	310	345	340	374	304	218	215	6261
Guthrie	302	432	395	326	229	298	362	364	366	272	306	314	368	343	317	269	201	226	5690
Hamilton	526	576	578	502	352	528	602	584	512	433	441	439	442	457	420	319	284	282	8277
Hancock	462	511	502	405	268	437	493	463	383	287	298	309	311	340	317	282	219	210	6497
Hardin	558	680	624	659	409	561	681	653	577	481	476	480	557	582	549	506	367	452	9852
Harrison	464	578	525	515	328	502	558	476	447	404	351	376	382	425	379	358	266	301	7635
Henry	650	678	677	657	561	629	735	698	672	498	418	408	425	435	485	365	313	328	9632
Howard	337	385	390	277	194	320	330	285	273	255	221	256	280	265	271	273	216	214	5042
Humboldt	330	411	392	329	188	310	414	348	321	274	290	305	320	342	322	307	170	174	5547
Ida	302	343	303	245	152	265	309	272	247	201	171	220	258	260	217	204	161	183	4313
Iowa	536	566	520	373	326	539	587	509	438	369	390	366	387	391	378	359	233	295	7562
Jackson	692	743	780	678	515	663	755	696	587	583	472	541	509	492	458	399	316	287	10166
Jasper	1131	1225	1254	1070	908	1243	1353	1320	1198	974	947	905	991	877	779	645	513	472	17805
Jefferson	550	623	520	448	369	549	624	879	790	507	345	352	337	353	347	284	259	217	8353
Johnson	3021	2879	2385	4528	8624	5187	4322	3902	3038	2068	1582	1363	1311	1126	999	813	681	689	48518
Jones	623	703	736	584	460	639	688	668	583	512	439	445	474	474	423	380	246	307	9384
Keokuk	362	468	392	371	232	397	420	370	325	285	293	331	301	345	316	297	236	243	5984
Kossuth	647	767	710	595	352	570	674	623	524	469	519	490	513	528	473	418	326	361	9559
Lee	1250	1384	1400	1232	1057	1355	1436	1441	1270	1109	904	898	1037	1122	917	757	625	565	19759
Linn	5833	5870	5580	6183	6678	7238	7327	6892	6291	4896	4282	3737	3611	3434	2874	2465	1779	1824	86794
Louisa	373	411	471	394	301	403	435	469	371	314	282	266	273	259	209	195	159	173	5758
Lucas	275	311	339	272	207	272	335	322	263	270	224	258	270	248	260	246	178	195	4745
Lyon	453	465	541	400	285	346	410	424	335	237	300	337	299	310	293	251	205	216	6107
Madison	409	454	523	419	266	387	490	485	403	337	309	294	273	317	292	281	194	265	6398
Mahaska	742	758	785	733	697	769	804	797	635	544	473	491	553	607	532	463	310	351	11044
Marion	927	1088	1068	1168	1164	981	1121	1091	930	743	704	651	699	701	612	584	435	416	15083
Marshall	1214	1368	1320	1241	1063	1281	1503	1511	1356	1137	927	895	980	960	916	727	560	612	19571
Mills	390	466	526	485	321	435	554	600	525	361	321	276	311	263	280	234	163	146	6657
Mitchell	348	412	381	360	225	321	372	334	289	277	284	285	312	330	310	264	212	302	5618

Table 2A. Age of Females in Iowa's Counties, 1990 (continued).

County	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85+	Total
Monona	293	337	382	291	186	301	330	319	253	275	258	264	331	333	308	295	250	249	5255
Monroe	248	299	292	258	193	258	296	277	257	195	198	210	238	248	231	190	146	177	4211
Montgomery	358	430	426	399	255	411	423	435	390	312	275	318	330	361	371	320	292	281	6387
Muscatine	1413	1554	1593	1378	1245	1632	1639	1549	1390	1123	957	828	872	851	756	629	479	504	20392
O'Brien	503	586	614	463	294	466	581	560	394	368	373	389	478	477	409	367	323	366	8011
Osceola	271	292	261	242	153	218	277	247	190	174	176	202	187	198	196	165	120	171	3740
Page	487	599	648	512	311	509	618	595	497	447	381	453	489	515	470	452	334	380	8697
Palo Alto	336	436	403	350	206	271	377	336	279	246	287	323	327	279	311	289	207	250	5513
Plymouth	875	924	954	843	594	744	879	864	677	589	523	581	577	537	523	456	356	404	11900
Pocahontas	304	365	342	250	151	275	332	318	264	268	256	242	295	287	311	243	191	220	4914
Polk	12080	11564	10452	11098	13897	16135	15381	13868	12301	9341	7638	7018	6893	6588	5533	4627	3399	3434	171247
Pottawattamie	3049	3212	3019	2830	2669	3420	3497	3151	2784	2321	2092	2126	2111	1936	1605	1267	917	907	42913
Poweshiek	572	648	678	858	696	627	700	688	578	536	471	437	469	469	439	369	309	331	9875
Ringgold	127	200	185	163	96	144	176	172	166	132	154	171	156	189	191	160	128	132	2842
Sac	376	461	474	358	220	348	434	409	361	254	298	318	379	402	356	331	241	288	6308
Scott	5745	6008	5772	5289	5430	6289	6786	6310	5581	4289	3652	3161	3122	3109	2461	2008	1541	1334	77887
Shelby	416	509	502	449	254	431	437	464	369	310	327	345	361	376	383	319	238	279	6769
Sioux	1110	1339	1309	1392	1185	904	1083	1032	770	723	619	607	704	683	623	538	406	378	15405
Story	2067	2066	1905	3609	6500	2927	2719	2488	1994	1554	1287	1155	1178	1092	992	869	674	753	35829
Tama	545	636	679	565	435	543	613	577	522	465	457	476	462	474	459	421	300	354	8983
Taylor	217	245	272	248	131	185	238	230	207	175	166	194	205	248	221	203	191	171	3747
Union	404	446	502	502	325	450	452	470	423	332	302	318	308	360	324	301	267	275	6761
Van Buren	268	287	253	193	179	242	273	259	221	189	230	197	194	242	209	194	139	126	3895
Wapello	1172	1080	1209	1203	999	1221	1365	1342	1199	967	840	982	1020	1048	931	836	655	579	18648
Warren	1259	1421	1449	1432	1237	1331	1507	1525	1421	1177	892	809	618	678	508	495	321	408	18488
Washington	720	718	722	589	495	701	763	704	605	525	435	457	488	549	488	413	378	421	10171
Wayne	224	242	248	187	149	224	218	214	195	171	172	184	229	246	247	214	156	213	3733
Webster	1454	1476	1431	1345	1164	1440	1586	1457	1286	1011	958	1043	1096	1085	1009	835	640	765	21081
Winnebago	390	439	441	516	286	368	454	447	354	309	258	276	313	302	299	295	269	237	6253
Winneshiek	705	727	721	1053	1083	647	763	640	567	488	457	445	475	454	450	340	296	332	10643
Woodbury	3572	3945	3833	3564	3302	3739	3978	3792	3246	2389	2107	2190	2449	2380	2123	1709	1318	1355	50991
Worth	241	269	280	239	174	253	279	303	226	212	200	190	239	242	207	228	151	177	4110
Wright	473	485	509	411	300	463	502	486	452	347	343	372	439	482	435	362	282	335	7478
State of Iowa	94449	102037	99430	98018	96977	104358	111710	105567	91765	73891	65820	63746	66948	66554	59763	51231	38950	40739	1431953

Table 2B. Age of Males in Iowa's Counties, 1990.

County	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85+	Total
Adair	272	297	345	244	193	242	310	288	244	190	198	204	222	203	215	177	121	79	4044
Adams	192	166	158	166	90	158	177	156	154	123	128	134	143	121	109	94	63	56	2388
Allamakee	502	551	542	505	325	433	535	524	409	364	323	327	359	366	287	204	125	96	6777
Appanoose	414	501	539	497	329	441	487	449	408	358	307	260	345	357	306	265	181	99	6543
Audubon	255	270	265	225	155	183	251	256	199	177	205	161	217	212	192	125	97	72	3517
Benton	865	933	923	762	574	799	934	845	700	594	524	521	476	477	429	337	177	129	10999
Black Hawk	4213	4712	4720	4812	5733	3910	4250	4724	4118	3275	2750	2490	2526	2420	1780	1279	726	472	58910
Boone	827	923	897	782	645	854	1021	1037	903	628	606	572	599	543	446	332	254	157	12026
Bremer	694	827	898	958	919	678	761	796	776	696	601	489	465	463	380	323	212	146	11082
Buchanan	796	973	981	798	535	681	787	763	689	524	519	412	415	443	370	265	168	100	10219
Buena Vista	737	806	720	729	828	695	771	746	555	400	365	386	497	450	381	292	189	143	9690
Butler	502	635	644	571	355	436	555	597	535	437	339	351	391	410	333	278	179	117	7665
Calhoun	347	425	469	341	220	334	398	463	327	264	284	267	302	320	293	188	130	107	5479
Carroll	861	1012	911	722	539	697	880	773	602	499	447	451	465	470	408	292	186	143	10358
Cass	500	596	574	489	286	485	563	533	478	385	374	336	391	350	300	267	185	116	7208
Cedar	550	697	712	562	400	558	723	690	624	486	429	384	394	393	356	259	144	115	8476
Cerro Gordo	1650	1776	1694	1566	1327	1707	1834	1816	1462	1080	1068	956	1181	1034	802	580	322	256	22111
Cherokee	470	591	542	453	289	431	530	545	459	363	299	364	412	354	264	200	142	95	6803
Chickasaw	451	589	569	520	287	403	562	487	411	362	347	302	319	309	260	205	112	93	6588
Clarke	277	329	313	261	195	265	340	294	278	194	204	190	199	185	134	142	98	61	3959
Clay	613	703	789	555	406	577	708	694	566	446	371	369	424	385	311	219	133	110	8379
Clayton	658	797	774	668	451	628	752	739	535	519	435	460	488	444	372	314	192	144	9370
Clinton	1831	1954	1970	1788	1424	1786	1954	1886	1724	1419	1245	1105	1167	1112	874	641	366	228	24474
Crawford	581	617	664	720	414	589	651	579	534	472	409	388	410	379	322	228	138	101	8196
Dallas	1079	1327	1258	1024	726	1011	1245	1196	1162	871	718	621	584	548	467	347	210	135	14529
Davis	326	313	349	295	209	281	306	282	265	216	201	193	193	166	175	125	109	58	4062
Decatur	265	280	259	409	364	224	268	286	207	202	169	184	191	195	183	151	103	89	4029
Delaware	730	861	799	637	491	629	773	658	531	441	434	408	387	388	302	183	121	91	8864
Des Moines	1351	1689	1629	1519	1210	1459	1553	1639	1550	1260	1003	916	942	947	680	506	294	209	20356
Dickinson	397	489	567	488	299	439	520	595	501	412	351	389	406	445	363	259	128	100	7148
Dubuque	3092	3402	3548	3480	3257	3136	3355	3213	2803	2253	2050	1787	1820	1642	1229	854	494	337	41752
Emmet	366	470	480	514	353	318	379	422	360	278	267	242	297	279	214	164	108	84	5595
Fayette	760	820	849	803	647	700	793	822	659	535	512	519	537	523	434	333	222	152	10620

Table 2B. Age of Males in Iowa's Counties, 1990 (continued).

County	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85+	Total
Floyd	564	658	629	573	428	500	546	604	529	504	445	371	428	410	371	277	157	118	8112
Franklin	363	469	441	365	236	343	432	447	357	306	262	256	320	269	221	209	119	81	5496
Fremont	271	294	329	269	165	224	262	289	283	203	186	200	199	218	199	146	87	63	3887
Greene	334	377	360	314	211	304	334	349	312	231	254	223	292	257	207	210	131	75	4775
Grundy	395	430	483	376	238	343	434	446	403	365	326	272	298	286	280	219	111	63	5768
Guthrie	328	415	398	330	228	326	361	391	329	314	283	281	321	293	259	186	118	84	5245
Hamilton	536	581	608	537	393	564	654	583	546	386	388	352	459	380	357	242	129	99	7794
Hancock	451	568	508	431	280	409	510	494	391	328	286	275	290	284	230	190	128	88	6141
Hardin	561	701	720	914	465	514	733	682	553	459	435	442	470	491	408	327	215	152	9242
Harrison	561	565	625	478	345	464	559	492	442	387	344	342	352	352	289	217	156	125	7095
Henry	626	747	688	693	765	806	804	751	716	544	452	366	381	374	316	258	159	148	9594
Howard	337	372	401	303	223	331	367	339	248	240	233	211	278	239	243	181	120	101	4767
Humboldt	376	410	398	320	234	305	416	402	305	301	215	279	300	293	273	153	136	93	5209
Ida	324	355	337	295	163	251	317	304	252	205	172	179	227	210	176	130	87	68	4052
Iowa	514	536	526	465	364	516	618	549	474	360	334	354	357	355	304	226	122	94	7068
Jackson	732	845	846	742	532	681	760	722	594	526	489	483	472	447	356	274	162	121	9784
Jasper	1111	1299	1380	1251	940	1215	1431	1332	1220	979	836	812	924	736	620	462	280	162	16990
Jefferson	512	621	567	540	414	500	663	929	864	460	333	295	318	276	239	195	139	92	7957
Johnson	3136	2928	2477	4230	9006	5423	4598	3861	3089	2050	1498	1311	1164	1023	755	512	326	214	47601
Jones	643	698	769	711	805	902	872	831	706	520	473	420	439	371	364	280	154	102	10060
Keokuk	391	497	449	377	247	385	452	418	327	285	267	262	310	291	229	217	143	93	5640
Kossuth	651	798	793	607	362	592	748	665	562	427	468	483	456	438	380	293	171	138	9032
Lee	1311	1494	1562	1239	1092	1442	1583	1561	1388	1073	931	860	898	832	672	509	291	190	18928
Linn	6097	6254	6135	6108	6224	7099	7340	6851	6108	4693	4037	3656	3252	2987	2134	1508	892	598	81973
Louisa	430	473	473	424	409	431	506	425	403	314	281	254	264	238	187	138	114	70	5834
Lucas	295	326	328	323	201	267	292	312	274	252	240	219	245	247	187	154	95	68	4325
Lyon	494	570	540	437	260	375	432	437	332	267	230	307	290	273	235	174	107	85	5845
Madison	423	526	510	510	287	346	454	511	427	343	306	269	272	283	224	169	131	94	6085
Mahaska	796	844	825	747	743	761	833	821	673	536	453	412	494	509	408	293	196	134	10478
Marion	1047	1167	1155	1218	1121	1048	1091	1157	957	831	696	664	672	678	554	406	271	185	14918
Marshall	1284	1425	1400	1307	1063	1262	1399	1492	1342	1131	928	834	931	961	749	603	323	271	18705
Mills	447	535	609	491	328	454	545	546	546	394	340	291	293	239	186	151	88	62	6545
Mitchell	365	436	416	375	251	341	391	379	314	274	250	261	292	287	237	200	136	105	5310

Table 2B. Age of Males in Iowa's Counties, 1990 (continued).

County	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85+	Total
Monona	311	403	318	328	173	276	331	384	279	257	253	247	273	275	234	202	133	102	4779
Monroe	267	306	315	264	205	256	293	274	251	215	180	205	192	212	182	132	77	77	3903
Montgomery	372	466	438	387	262	376	419	422	404	299	237	303	292	277	223	223	166	123	5689
Muscatine	1529	1686	1593	1496	1237	1540	1691	1546	1455	1068	957	796	803	689	586	403	238	202	19515
O'Brien	523	642	619	526	399	462	606	564	431	318	344	366	386	375	323	265	173	111	7433
Osceola	264	268	309	244	187	228	312	253	199	177	150	173	207	178	120	111	80	67	3527
Page	512	584	669	620	462	523	578	664	559	448	388	386	397	446	338	284	181	134	8173
Palo Alto	344	410	451	461	244	310	398	349	288	248	225	276	299	265	202	174	117	95	5156
Plymouth	842	1121	1022	911	713	701	897	831	727	587	492	519	585	482	401	321	190	146	11488
Pocahontas	346	376	362	313	150	297	365	325	276	243	245	227	260	277	202	159	102	86	4611
Polk	12780	12184	11002	10623	12308	15139	14644	13406	11354	8790	7043	6379	6139	5166	3875	2619	1512	930	155893
Pottawattamie	3142	3329	3240	3024	2390	3163	3379	3077	2667	2152	1920	1861	1947	1591	1209	811	496	317	39715
Poweshiek	595	723	651	851	777	570	719	673	597	462	438	416	415	411	338	253	153	116	9158
Ringgold	163	218	191	153	99	141	173	166	166	132	130	165	168	154	121	112	71	55	2578
Sac	460	518	500	369	257	368	472	431	352	287	277	295	343	328	268	222	144	125	6016
Scott	6013	6186	6123	5271	5186	5799	6330	6256	5499	4249	3417	3067	2821	2599	1860	1243	700	473	73092
Shelby	473	556	532	445	283	415	491	469	388	317	323	310	361	332	290	225	136	115	6461
Sioux	1194	1359	1342	1291	1227	895	1076	1076	810	663	605	581	598	573	492	334	206	176	14498
Story	2316	2247	1984	4294	9036	3491	2792	2568	1988	1539	1262	1110	1011	927	731	539	355	233	38423
Tama	594	658	686	580	435	546	632	619	515	470	467	385	473	398	372	304	157	145	8436
Taylor	217	287	272	226	137	170	234	249	214	170	154	157	198	187	181	143	89	82	3367
Union	394	496	468	493	342	370	459	443	432	322	290	264	279	293	249	188	121	86	5989
Van Buren	279	319	304	257	197	230	263	272	229	196	190	188	199	184	172	148	93	61	3781
Wapello	1161	1244	1292	1305	1071	1123	1283	1341	1152	936	775	842	888	829	699	556	330	212	17039
Warren	1337	1503	1535	1502	1198	1226	1359	1485	1366	1098	955	796	650	543	408	291	180	113	17545
Washington	729	767	791	631	509	703	774	744	634	489	429	423	426	391	371	289	187	154	9441
Wayne	224	209	250	202	127	188	235	232	179	174	151	182	201	235	200	167	90	88	3334
Webster	1495	1606	1466	1379	1170	1357	1504	1426	1260	997	888	927	1007	972	669	521	366	251	19261
Winnebago	403	485	441	511	315	397	444	485	388	305	249	243	287	253	238	180	151	94	5869
Winneshiek	708	760	727	941	1099	696	828	713	584	466	444	432	465	425	372	252	166	126	10204
Woodbury	3893	4054	4050	3656	3229	3746	3820	3823	3143	2322	1949	1935	2107	1920	1495	1037	623	483	47285
Worth	262	305	308	255	187	255	288	296	235	206	222	183	216	190	155	146	83	89	3881
Wright	482	481	500	426	333	410	541	526	421	348	354	316	390	363	348	264	165	123	6791
State of Iowa	98754	107301	104787	101398	99442	102258	110293	106553	91436	72161	62556	58589	60405	55900	44744	33255	20454	14516	1344802

method. Actually, even the births and deaths are based on estimates, since they normally are reported for calendar years rather than the July through June period covered by the population estimate. Thus, caution is urged in interpreting the estimates. They provide only a preliminary view of change since the 1990 census.

Counts (1990) and Estimates (1998) of Residents Under the Age of 65 and 65 or Older in Iowa's Counties

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Margaret Hanson, Iowa State University
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As part of the process of estimating the total population of counties between the decennial censuses, the U.S. Bureau of the Census obtains information that allows an estimate of the number of residents 65 years of age or older and those under the age of 65. The estimates for 1 July 1998 were released in 1999. They are included with the 1990 census counts in Table 1. In the state, residents 65 or older increased by 5,705 (or 1.3%) from 1990 to 1998. The gain among residents younger than 65 was 79,911; the rate of increase was 3.4 percent.

Nearly two-fifths (38) of Iowa's 99 counties had more residents 65 or older in 1998 than in 1990 (Figure 1) according to bureau estimates. Gains were 100 or more in 21 counties; increases in the top four (Johnson, Linn, Polk, Scott) totaled 7,431, or about 1,700 more than the change reported for the state as a whole. Of the 61 counties estimated to have fewer residents 65 or older in 1998 than in 1990, 12 dropped by at least 200. Decreases of 10 percent or more occurred in Adair, Adams, Fremont, Taylor, and Wayne. Gains in this age group of at least 10 percent were estimated for Johnson, Linn, and Warren.

Sixty-two counties had more residents under the age of 65 in 1998 than in 1990. Increases exceeded 1,000 in 18 counties, although only Linn and Polk had gains of at least 10,000. Benton, Dallas, Madison, Mills, Polk, and Warren were estimated to have gains of at least 10 percent. Of the 37 counties with fewer residents under the age of 65 in 1998 than in the 1990 census, only Black Hawk and Webster declined by more than 1,000. A decrease of 10 percent or more occurred only in Adams.

When the two age groups are considered simultaneously, about one-third (32) of the counties were estimated to have gains among both those under the age of 65 and those 65 or older while another third (31) had declines in both. Thirty counties had decreases in the older but increases in the younger age group; the remaining six noted fewer younger but more older residents in 1998 than in 1990 (Figure 2).

The rates of percentage change differed between the age groups by at least 10 points in nine counties. In Benton and Dallas, both older and younger groups increased, but the gain was at least 10 points higher among those under 65. In Wayne, both decreased, but the decline among the younger group was 10 points less negative than that among those 65 or older. In Calhoun, Harrison, Iowa, Jefferson, Madison, and Taylor, percentage increases occurred among younger residents while declines took place in the older age group and the gaps were greater than 10 percentage points.

Caution is urged in using these population estimates. These figures are subject to error; such errors may be greater in counties with relatively small populations. (Note: Figures for the total population are reported in another section of this volume.)

Table 1. Estimated Population (1998), Population (1990), and Estimated Change (1990-1998) Among Residents 65 or Older and Younger than 65 in Iowa's Counties.

County	Residents 65 or Older				Residents Younger than 65			
	1 July 1998	1 April 1990	Estimated Change 1990-1998		1 July 1998	1 April 1990	Estimated Change 1990-1998	
			Number	Percent			Number	Percent
Adair	1742	1962	-220	-11.2	6322	6447	-125	-1.9
Adams	933	1062	-129	-12.1	3419	3804	-385	-10.1
Allamakee	2634	2697	-63	-2.3	11355	11158	197	1.8
Appanoose	2690	2943	-253	-8.6	10905	10800	105	1.0
Audubon	1602	1693	-91	-5.4	5182	5641	-459	-8.1
Benton	3855	3725	130	3.5	21563	18704	2859	15.3
Black Hawk	17042	16820	222	1.3	104079	106978	-2899	-2.7
Boone	4358	4506	-148	-3.3	21875	20680	1195	5.8
Bremer	3830	3788	42	1.1	19581	19025	556	2.9
Buchanan	3161	3240	-79	-2.4	18029	17604	425	2.4
Buena Vista	3508	3569	-61	-1.7	15946	16396	-450	-2.7
Butler	3221	3236	-15	-.5	12472	12495	-23	-0.2
Calhoun	2477	2729	-252	-9.2	8901	8779	122	1.4
Carroll	3930	3818	112	2.9	17776	17605	171	1.0
Cass	2975	3170	-195	-6.2	11616	11958	-342	-2.9
Cedar	3054	2976	78	2.6	14923	14468	455	3.1
Cerro Gordo	8190	7881	309	3.9	37969	38852	-883	-2.3
Cherokee	2636	2604	32	1.2	10555	11494	-939	-8.2
Chickasaw	2371	2382	-11	-.5	11070	10913	157	1.4
Clarke	1556	1539	17	1.1	6806	6748	58	0.9
Clay	3034	2892	142	4.9	14498	14693	-195	-1.3
Clayton	3370	3459	-89	-2.6	15352	15595	-243	-1.6
Clinton	7963	8133	-170	-2.1	41934	42907	-973	-2.3
Crawford	2861	2923	-62	-2.1	13585	13852	-267	-1.9
Dallas	4568	4340	228	5.3	32332	25415	6917	27.2
Davis	1465	1560	-95	-6.1	6938	6752	186	2.8
Decatur	1577	1706	-129	-7.6	6643	6632	11	0.2
Delaware	2779	2645	134	5.1	15799	15390	409	2.7
Des Moines	6883	6893	-10	-0.1	35061	35721	-660	-1.8
Dickinson	3366	3096	270	8.7	12870	11813	1057	8.9
Dubuque	12920	12095	825	6.8	74886	74308	578	0.8
Emmet	2162	2180	-18	-0.8	8725	9389	-664	-7.1
Fayette	3972	4179	-207	-5.0	17789	17664	125	0.7
Floyd	3177	3328	-151	-4.5	13176	13730	-554	-4.0
Franklin	2108	2283	-175	-7.7	8755	9081	-326	-3.6
Fremont	1555	1774	-219	-12.3	6191	6452	-261	-4.0
Greene	2221	2258	-37	-1.6	7844	7787	57	0.7
Grundy	2365	2423	-58	-2.4	9818	9606	212	2.2
Guthrie	2327	2305	22	1.0	9244	8630	614	7.1
Hamilton	2929	2956	-27	-0.9	13082	13115	-33	-0.3
Hancock	2180	2282	-102	-4.5	9864	10356	-492	-4.8
Hardin	3946	4032	-86	-2.1	14516	15062	-546	-3.6
Harrison	2735	2842	-107	-3.8	12629	11888	741	6.2
Henry	3078	3184	-106	-3.3	16905	16042	863	5.4
Howard	1945	2130	-185	-8.7	7744	7679	65	0.8
Humboldt	2153	2261	-108	-4.8	8170	8495	-325	-3.8
Ida	1687	1701	-14	-0.8	6225	6664	-439	-6.6
Iowa	2657	2753	-96	-3.5	12893	11877	1016	8.6
Jackson	3370	3297	73	2.2	16708	16653	55	0.3
Jasper	5857	5541	316	5.7	30104	29254	850	2.9

Table 1. Estimated Population (1998), Population (1990), and Estimated Change (1990-1998) Among Residents 65 or Older and Younger than 65 in Iowa's Counties (continued).

County	Residents 65 or Older				Residents Younger than 65			
	1 July 1998	1 April 1990	Estimated Change 1990-1998		1 July 1998	1 April 1990	Estimated Change 1990-1998	
			Number	Percent			Number	Percent
Jefferson	2252	2397	-145	-6.0	14861	13913	948	6.8
Johnson	8102	7095	1007	14.2	94622	89024	5598	6.3
Jones	3281	3104	177	5.7	17068	16340	728	4.5
Keokuk	2265	2405	-140	-5.8	9234	9219	15	0.2
Kossuth	3366	3530	-164	-4.6	14372	15061	-689	-4.6
Lee	6155	6443	-288	-4.5	32316	32244	72	0.2
Linn	22739	20455	2284	11.2	159912	148312	11600	7.8
Louisa	1756	1744	12	0.7	10182	9848	334	3.4
Lucas	1896	1871	25	1.3	7256	7199	57	0.8
Lyon	2168	2126	42	2.0	9844	9826	18	.2
Madison	2076	2243	-167	-7.4	11796	10240	1556	15.2
Mahaska	3593	3790	-197	-5.2	18308	17742	566	3.2
Marion	4918	4833	85	1.8	26439	25168	1271	5.1
Marshall	6397	6675	-278	-4.2	32335	31601	734	2.3
Mills	1834	1803	31	1.7	12643	11399	1244	10.9
Mitchell	2359	2376	-17	-0.7	8653	8552	101	1.2
Monona	2378	2393	-15	-0.6	7732	7641	91	1.2
Monroe	1587	1672	-85	-5.1	6454	6442	12	0.2
Montgomery	2447	2636	-189	-7.2	9463	9440	23	0.2
Muscatine	5558	5315	243	4.6	35568	34592	976	2.8
O'Brien	3166	3174	-8	-0.3	11744	12270	-526	-4.3
Osceola	1339	1412	-73	-5.2	5641	5855	-214	-3.7
Page	3364	3529	-165	-4.7	13905	13341	564	4.2
Palo Alto	2102	2198	-96	-4.4	7915	8471	-556	-6.6
Plymouth	4042	3838	204	5.3	20783	19550	1233	6.3
Pocahontas	1916	2071	-155	-7.5	6861	7454	-593	-8.0
Polk	40544	37557	2987	8.0	319282	289583	29699	10.3
Pottawattamie	11945	11003	942	8.6	74229	71625	2604	3.6
Poweshiek	3261	3187	74	2.3	15604	15846	-242	-1.5
Ringgold	1317	1319	-2	-0.2	4037	4101	-64	-1.6
Sac	2574	2723	-149	-5.5	9357	9601	-244	-2.5
Scott	18427	17274	1153	6.7	140164	133699	6465	4.8
Shelby	2705	2674	31	1.2	10273	10556	-283	-2.7
Sioux	4677	4408	269	6.1	26603	25495	1108	4.3
Story	7811	7160	651	9.1	67457	67092	365	.5
Tama	3400	3376	24	0.7	14339	14043	296	2.1
Taylor	1536	1715	-179	-10.4	5617	5399	218	4.0
Union	2224	2459	-235	-9.6	10330	10291	39	0.4
Van Buren	1567	1557	10	0.6	6319	6119	200	3.3
Wapello	6364	6675	-311	-4.7	29076	29021	55	0.2
Warren	4535	3941	594	15.1	35661	32092	3569	11.1
Washington	3654	3634	20	0.6	17313	15978	1335	8.4
Wayne	1600	1852	-252	-13.6	5059	5215	-156	-3.0
Webster	6796	7093	-297	-4.2	31909	33249	-1340	-4.0
Winnebago	2270	2339	-69	-2.9	9661	9783	-122	-1.2
Winneshiek	3263	3196	67	2.1	17671	17651	20	0.1
Woodbury	13966	14429	-463	-3.2	87706	83847	3859	4.6
Worth	1533	1667	-134	-8.0	6246	6324	-78	-1.2
Wright	3013	3151	-138	-4.4	10990	11118	-128	-1.2
State of Iowa	431013	425308	5705	1.3	2431434	2351523	79911	3.4

Figure 1. Estimated change in number aged 65 or older, 1990-1998.

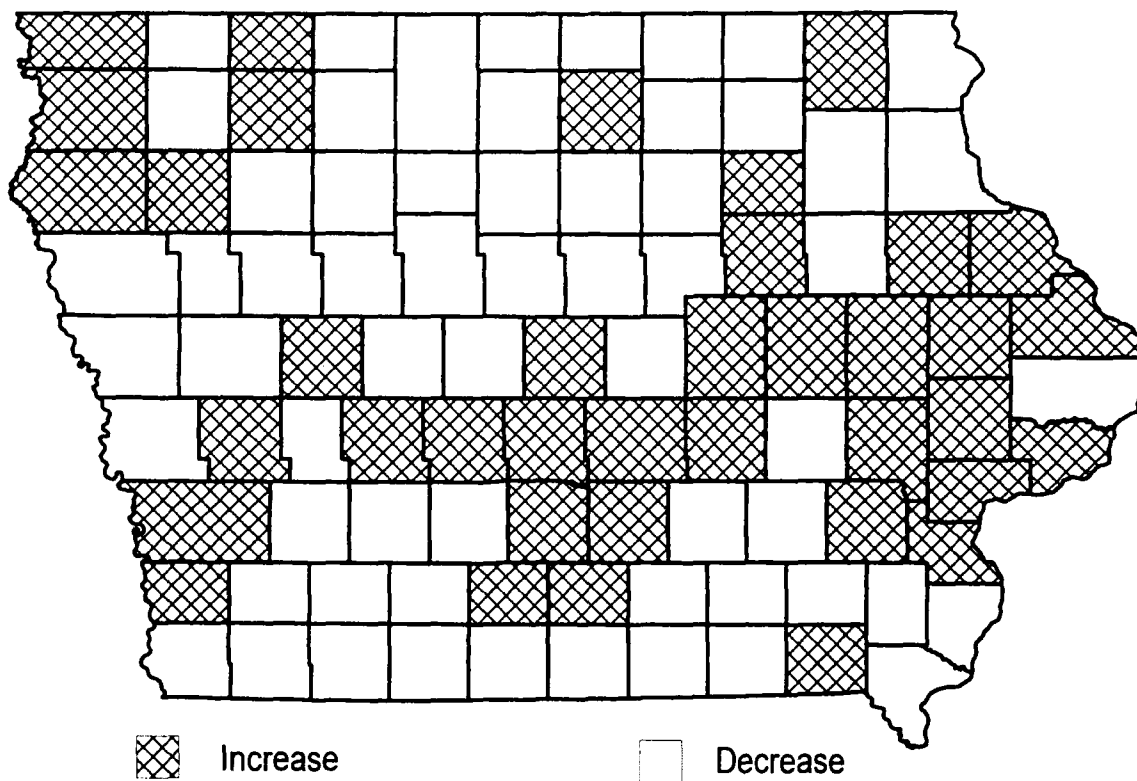
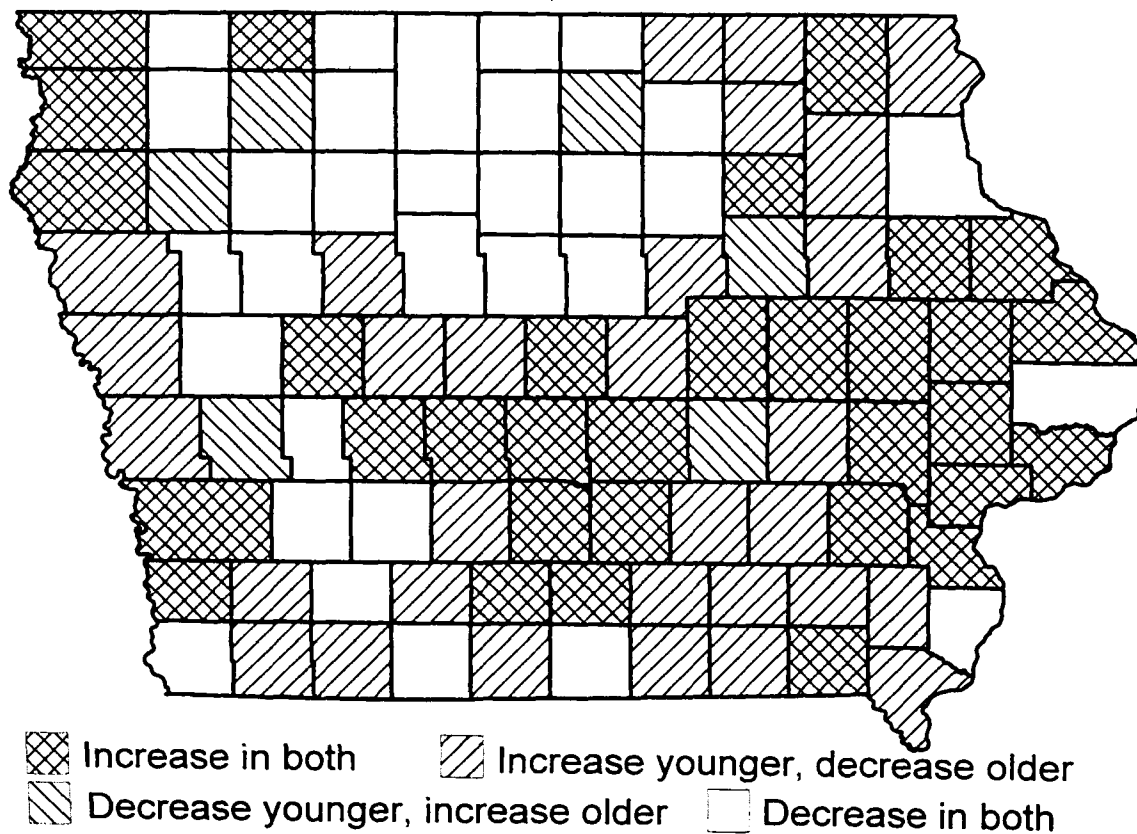


Figure 2. Estimated change in number aged 65 or older and under 65, 1990-1998.



Projected Population in Selected Age Categories and Median Age in Iowa's Counties: 2000-2020

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The numbers of Iowans in various age groups are projected to change in coming decades, according to information obtained by the State of Iowa from Woods and Poole Economics, Inc. (1794 Columbia Road, NW; Washington, DC 20009). Economic models drive this set of projections, with employment statistics acting as a key determinant of the figures. Woods and Poole update their projections annually; these were released in 1999 for the 2000-2020 period. For this report, age is divided into three broad categories: 19 or younger, 20-64, and 65 or older.

Potential Changes in the State

Numbers for the state are expected to increase each decade between 1990 and 2020 among those 65 or older (Table 1). Indeed, the gain is predicted to increase across the decades: 6,000 from 1990 to 2000, 41,000 from 2000 to 2010, and 160,000 from 2010 to 2020. Much of the acceleration in growth in this age category will occur because baby-boomers will begin reaching the age of 65 after 2010.

Those 20 through 64 years of age are projected to increase by 115,000 in the 1990s and by 124,000 in the first decade of the next century but decline by 23,000 from 2010 to 2020. The youngest group—those under the age of 20—is expected to decrease in two of these three decades. From 1990 to 2000, the prediction is that this age group will decrease by 3,000; a decline of 29,000 may take place in the next decade, although a gain of 19,000 is anticipated from 2010 to 2020.

The projection for 2020 suggests that the number of youth will be about 13,000 lower than the count for this group in 1990. Among those in the 20-64 category, growth is anticipated to be about 216,000 between 1990 and 2020. Almost as great a gain could occur among those 65 or older, where the projected increase is 208,000 over that 30-year period.

These numerical changes would result in percentage differences from 1990 to 2020 as well, with the percentage of youth dropping from 29.0 to 24.9, while the percentage of the population 65 or older will increase from 15.3 to 19.9. This will be reflected in a gradual increase in the median age of Iowa residents; the median—that point at which half the residents are older and half are younger—in 1990 was 34.0 (Table 2). It is projected to increase to 37.3 in 2000, 39.8 in 2010, and 41.2 in 2020.

Potential Changes in Counties

Because change is anticipated to be relatively great among the oldest of the three age groups for the state, it is not surprising that those 65 and older are subject to relatively large changes across counties. Only six counties are projected to have declines from 1990 to 2020 in this age category, none of which would decline by as much as 300 (Table 1). Gains in other counties could be substantial; for example, increases of at least 10,000 are predicted for Linn, Polk, and Scott, while another 45 each may gain 1,000 to 9,999 in those 30 years. Gains could exceed 50 percent in 26 counties; in three of these counties—Dallas, Polk, and Warren—the 1990 numbers of residents 65 or older could double by 2020. Most of the large percentage gains are predicted to occur in urban counties although rural counties will continue to have somewhat greater percentages of older residents throughout the period.

Table 1. Counts (1990) and Projections (2000-2020) of Residents in Selected Age Categories in Iowa's Counties.

County	1990 Census Counts				2000 Projections*				2010 Projections*				2020 Projections*			
	Total	19 or Younger	20-64	65 or Older	Total	19 or Younger	20-64	65 or Older	Total	19 or Younger	20-64	65 or Older	Total	19 or Younger	20-64	65 or Older
Adair	8409	2279	4149	1981	8180	2090	4220	1870	8030	1750	4330	1940	7920	1740	3810	2370
Adams	4866	1293	2516	1057	4440	1160	2330	950	4490	1140	2390	950	4540	1210	2280	1060
Allamakee	13855	4095	7063	2697	13910	3860	7350	2700	13630	3370	7470	2800	13460	3020	6900	3540
Appanoose	13743	3828	6969	2946	13460	3570	7030	2860	13170	3110	7170	2900	13030	2820	6580	3630
Audubon	7334	2002	3636	1696	6750	1710	3450	1590	6490	1460	3400	1630	6270	1550	2960	1760
Benton	22429	6718	11988	3723	25750	7350	14170	4230	28080	7320	15920	4840	30580	7620	16180	6780
Black Hawk	123798	36511	70392	16895	122670	34510	71620	16540	126520	32290	75520	18710	131170	32990	72510	25660
Boone	25186	6789	13866	4531	26220	6740	14760	4710	26370	6240	15100	5030	26670	6100	14170	6410
Bremer	22813	6667	12340	3806	23450	6360	13250	3830	23810	5700	13860	4250	24330	5560	12910	5860
Buchanan	20844	6911	10689	3244	21190	6660	11260	3260	21300	6050	11740	3500	21530	5740	11060	4740
Buena Vista	19965	5892	10498	3575	19530	5580	10530	3420	19330	5110	10800	3420	19250	4950	10350	3940
Butler	15731	4502	7998	3231	15640	4230	8180	3240	15480	3700	8290	3500	15430	3260	7610	4550
Calhoun	11508	3094	5683	2731	11290	2830	5820	2640	10810	2420	5660	2720	10360	2200	5220	2950
Carroll	21423	6842	10772	3809	22000	6690	11380	3930	22950	6370	12180	4400	24050	6250	11990	5820
Cass	15128	4194	7765	3169	14720	3880	7760	3080	14580	3500	7870	3210	14490	3210	7200	4080
Cedar	17444	5024	9424	2933	18050	4950	10030	3060	18320	4520	10350	3450	18720	4140	9860	4720
Cerro Gordo	46733	13036	25811	7886	46270	12390	26160	7720	45800	11460	26330	8010	45640	11260	24610	9770
Cherokee	14098	4125	7362	2611	13410	3760	7220	2430	13290	3410	7220	2660	13180	3190	6600	3400
Chickasaw	13295	4055	6872	2368	13490	3920	7180	2380	13640	3640	7450	2560	13890	3360	7040	3480
Clarke	8287	2358	4390	1539	8280	2230	4500	1560	8450	1970	4700	1780	8660	2040	4340	2280
Clay	17585	5259	9425	2901	17700	5010	9790	2900	18040	4640	10170	3240	18470	4490	9770	4220
Clayton	19054	5705	9898	3451	18660	5320	9980	3360	18230	4700	10100	3430	17940	4420	9280	4230
Clinton	51040	14946	27943	8151	50090	13920	28260	7910	49550	12470	28800	8290	49330	12040	26780	10510
Crawford	16775	5125	8732	2918	16270	4700	8730	2830	15820	4070	8800	2950	15460	3790	7940	3730
Dallas	29755	8963	16442	4350	37480	10740	21390	5350	43120	11340	25240	6540	49060	12350	26880	9830
Davis	8312	2473	4281	1558	8430	2380	4470	1580	8440	2090	4550	1810	8540	1990	4090	2460
Decatur	8338	2406	4222	1710	8090	2040	4390	1660	7860	1690	4530	1640	7640	1710	4020	1910
Delaware	18035	5963	9417	2655	18520	5790	10090	2650	18760	5310	10590	2860	19120	5150	10180	3800
Des Moines	42614	12080	23610	6924	41910	11250	24010	6650	41070	9970	24210	6890	40480	9560	22220	8700
Dickinson	14909	3817	7995	3097	16320	3960	9020	3350	17420	3730	9790	3900	18620	3670	9460	5490
Dubuque	86403	26397	47865	12141	88550	25670	50650	12230	89980	23620	53050	13310	92010	23370	50930	17710
Emmet	11569	3514	5872	2183	10800	3190	5520	2080	10340	2800	5380	2170	9980	2630	4990	2370
Fayette	21843	6323	11337	4183	22280	6130	11960	4180	23210	5720	12890	4600	24320	5660	12490	6170

*The Woods and Poole Economics county projections were rounded to the nearest 10 in each age category; these rounded numbers were added to get the total, which may differ slightly from those in Table 1 in the previous section. Such differences are created by small rounding errors.

Table 1. Counts (1990) and Projections (2000-2020) of Residents in Selected Age Categories in Iowa's Counties (continued).

County	1990 Census Counts				2000 Projections*				2010 Projections*				2020 Projections*			
	Total	19 or Younger	20-64	65 or Older	Total	19 or Younger	20-64	65 or Older	Total	19 or Younger	20-64	65 or Older	Total	19 or Younger	20-64	65 or Older
Floyd	17058	4834	8875	3349	16350	4310	8860	3180	15800	3730	8840	3230	15350	3440	7890	4020
Franklin	11364	3160	5926	2278	10770	2900	5750	2120	10420	2630	5710	2080	10110	2410	5220	2480
Fremont	8226	2343	4108	1775	7820	2070	4080	1680	7730	1740	4330	1660	7660	1660	4030	1970
Greene	10045	2688	5095	2262	9920	2590	5070	2260	9510	2330	5030	2150	9190	2280	4860	2050
Grundy	12029	3300	6319	2410	12400	3260	6710	2430	12770	3120	7270	2380	13210	3150	7020	3040
Guthrie	10935	2926	5713	2296	11520	2960	6200	2360	11810	2790	6480	2550	12180	2710	6210	3260
Hamilton	16071	4444	8658	2969	15940	4180	8840	2920	15530	3640	8830	3060	15210	3320	8060	3830
Hancock	12638	3838	6512	2288	11990	3540	6320	2130	11770	3300	6400	2080	11650	3080	5960	2610
Hardin	19094	5417	9628	4049	18370	4910	9590	3880	17810	4250	9540	4020	17370	3890	8580	4900
Harrison	14730	4311	7551	2868	15580	4380	8280	2920	16330	4160	8930	3230	17140	3960	8790	4390
Henry	19226	5416	10629	3181	20270	5320	11710	3250	21270	4930	12900	3440	22420	4850	13030	4530
Howard	9809	2802	4884	2123	9660	2730	4860	2070	9480	2570	4960	1960	9350	2490	4650	2210
Humboldt	10756	2966	5527	2263	10290	2740	5380	2170	9930	2450	5250	2230	9690	2260	4810	2610
Ida	8365	2504	4165	1696	7960	2300	4000	1660	8050	2040	4190	1820	8150	1860	4100	2190
Iowa	14630	4036	7837	2757	15700	4140	8680	2880	16420	3990	9310	3120	17280	3900	9150	4240
Jackson	19950	6058	10580	3312	20030	5750	10990	3290	19800	5070	11210	3520	19700	4730	10360	4610
Jasper	34795	9721	19528	5546	35760	9380	20800	5580	35930	8380	21590	5970	36320	8130	20440	7760
Jefferson	16310	4381	9528	2401	17200	4400	10380	2430	17730	4340	10850	2550	18370	4330	10560	3480
Johnson	96119	25584	63397	7138	107170	27650	71750	7770	123050	31300	82450	9300	139730	36940	89300	13490
Jones	19444	5467	10876	3101	20610	5400	11980	3230	21670	4940	13230	3510	22870	4880	13350	4640
Keokuk	11624	3307	5907	2410	11370	3150	5910	2320	10940	2950	5850	2150	10580	2760	5470	2360
Kossuth	18591	5568	9497	3526	17690	5020	9300	3380	16890	4210	9120	3570	16250	3610	8100	4540
Lee	38687	10872	21335	6480	38480	10230	21930	6320	37800	8980	22250	6570	37330	8480	20520	8330
Linn	168767	48060	100212	20495	186710	50750	113730	22230	203170	50520	126710	25940	220920	54690	129080	37150
Louisa	11592	3449	6401	1742	12110	3570	6840	1710	12700	3610	7370	1730	13420	3630	7810	1980
Lucas	9070	2469	4723	1878	9010	2380	4780	1850	8790	2230	4750	1810	8630	2240	4460	1930
Lyon	11952	3900	5903	2149	12160	3840	6140	2180	12650	3860	6340	2460	13280	3790	6450	3040
Madison	12483	3774	6459	2250	14200	4110	7650	2450	15720	4200	8910	2620	17400	4310	9360	3730
Mahaska	21532	6230	11489	3803	21930	6100	12030	3810	22230	5660	12550	4010	22650	5550	12020	5080
Marion	30001	8838	16321	4842	31740	9020	17690	5030	33200	8570	19110	5520	34910	8720	18750	7440
Marshall	38276	10559	21035	6682	39160	10220	22180	6760	40220	9450	23290	7480	41560	9260	22150	10150
Mills	13202	3949	7441	1812	14580	4270	8370	1940	15220	4170	9050	2010	15920	4220	8900	2810
Mitchell	10928	3093	5452	2383	11130	3150	5570	2410	11340	3310	5450	2580	11630	3410	5420	2800

Table 1. Counts (1990) and Projections (2000-2020) of Residents in Selected Age Categories in Iowa's Counties (continued).

County	1990 Census Counts				2000 Projections*				2010 Projections*				2020 Projections*			
	Total	19 or Younger	20-64	65 or Older	Total	19 or Younger	20-64	65 or Older	Total	19 or Younger	20-64	65 or Older	Total	19 or Younger	20-64	65 or Older
Monona	10034	2663	4990	2381	10020	2570	5100	2340	10020	2410	5230	2380	10030	2420	4970	2640
Monroe	8114	2249	4193	1672	8000	2110	4220	1670	7770	1660	4410	1700	7600	1660	3910	2030
Montgomery	12076	3276	6163	2637	11940	3160	6200	2580	12010	3010	6290	2710	12110	2820	5970	3320
Muscatine	39907	12242	22328	5337	41660	12450	23990	5230	43110	12020	25610	5480	44850	12360	25330	7170
O'Brien	15444	4476	7779	3189	14950	4150	7710	3100	15030	3700	7970	3360	15120	3390	7510	4220
Osceola	7267	2151	3710	1406	6930	1920	3630	1380	6720	1640	3570	1510	6550	1590	3200	1750
Page	16870	4631	8705	3534	17420	4410	9530	3490	18380	3930	10680	3760	19400	3580	10970	4840
Palo Alto	10669	3191	5289	2189	9940	2880	5040	2020	9460	2610	4930	1910	9030	2520	4400	2110
Plymouth	23388	7492	12080	3816	24980	7590	13260	4130	26000	7130	14230	4630	27120	6920	13950	6250
Pocahontas	9525	2658	4789	2078	8670	2390	4390	1890	8140	2240	4030	1880	7640	2130	3710	1800
Polk	327140	91783	197674	37683	368670	99680	227870	41130	416600	105210	261370	50020	467510	115950	271540	80020
Pottawattamie	82628	24845	46727	11056	87110	24960	50740	11410	92550	24450	55090	13010	98480	25400	55210	17870
Poweshiek	19033	5576	10269	3188	19050	5220	10710	3120	19190	4790	11120	3280	19450	4790	10430	4240
Ringgold	5420	1400	2707	1313	5290	1320	2740	1240	5120	1100	2800	1210	4960	1110	2590	1270
Sac	12324	3516	6103	2705	11730	3230	5890	2610	11180	2930	5570	2690	10710	2590	4920	3190
Scott	150973	46407	87244	17328	159800	47030	95020	17750	167610	45420	102090	20100	176690	47160	101250	28280
Shelby	13230	3882	6655	2693	13090	3640	6800	2640	12960	3270	6890	2800	12910	3050	6340	3520
Sioux	29903	10336	15158	4409	31850	10480	16770	4610	34400	10320	18790	5290	37180	10620	19180	7390
Story	74252	20488	46599	7165	76150	20500	48270	7380	81230	21740	51260	8220	86870	23760	51950	11160
Tama	17419	4943	9092	3384	18090	4880	9740	3480	19580	4820	10870	3890	21200	5100	10880	5210
Taylor	7114	1984	3414	1716	7160	1850	3630	1690	7230	1620	3880	1740	7300	1660	3660	1990
Union	12750	3705	6581	2464	12400	3440	6610	2360	12230	3150	6820	2250	12130	3040	6520	2570
Van Buren	7676	2160	3948	1568	7860	2100	4180	1590	7990	1850	4410	1730	8160	1880	4140	2150
Wapello	35696	9666	19346	6675	35070	9000	19590	6480	33950	7870	19560	6520	33060	7400	17700	7960
Warren	36033	11438	20650	3945	41460	12400	24700	4360	47180	12710	29020	5450	53260	13930	30620	8710
Washington	19612	5667	10304	3641	21420	5900	11610	3900	23170	5850	12940	4380	25090	6150	13100	5830
Wayne	7067	1786	3425	1856	6750	1640	3370	1740	6500	1410	3490	1600	6290	1420	3230	1640
Webster	40342	11652	21577	7113	38220	10450	21060	6710	36770	9300	20690	6780	35540	8760	18750	8030
Winnebago	12122	3626	6178	2318	12020	3480	6230	2300	11850	3430	6110	2310	11770	3460	5730	2580
Winneshiak	20847	6342	11292	3213	21020	6080	11800	3140	21360	5760	12270	3330	21790	5870	11750	4180
Woodbury	98276	30567	53266	14443	104910	31590	58370	14950	114400	31910	65520	16970	124770	33690	68210	22870
Worth	7991	2159	4164	1668	7730	1920	4190	1620	7530	1720	4260	1550	7430	1790	3870	1770
Wright	14269	3767	7343	3159	14040	3500	7400	3140	13510	3100	7260	3150	13130	2880	6490	3750
State of Iowa	2776831	806174	1544475	426106	2894750	803190	1659110	432450	3030760	774170	1782860	473730	3186700	792830	1760020	633850

Table 2. Median Age (1990) and Projected Median Age (2000-2020) in Iowa's Counties.

County	Census	Woods and Poole Economics (1999)			County	Census	Woods and Poole Economics (1999)		
	1990	2000	2010	2020		1990	2000	2010	2020
Adair	39.3	43.4	47.3	50.1	Jefferson	37.0	39.5	41.9	43.5
Adams	40.1	42.8	42.0	39.0	Johnson	27.1	28.4	29.5	30.0
Allamakee	36.5	40.2	45.1	49.2	Jones	34.6	38.1	41.0	43.8
Appanoose	37.8	41.8	46.5	50.5	Keokuk	37.2	40.3	42.1	42.8
Audubon	40.3	43.9	46.2	44.7	Kossuth	36.6	40.7	46.5	51.3
Benton	34.7	38.4	41.2	43.2	Lee	35.8	39.4	42.8	45.2
Black Hawk	32.9	36.3	39.4	40.9	Linn	33.1	36.3	38.5	39.6
Boone	36.6	40.0	43.8	46.1	Louisa	34.3	36.4	37.5	38.6
Bremer	35.2	39.2	43.1	45.7	Lucas	38.9	41.3	41.1	40.2
Buchanan	33.4	37.1	40.9	43.8	Lyon	34.8	38.2	41.7	45.3
Buena Vista	33.8	36.3	38.3	40.1	Madison	36.1	39.4	42.9	46.2
Butler	37.9	41.6	47.0	51.8	Mahaska	34.8	38.3	41.2	43.3
Calhoun	39.8	42.5	45.9	48.0	Marion	34.2	37.7	40.7	42.5
Carroll	34.2	37.8	41.6	44.9	Marshall	36.7	40.3	44.2	47.1
Cass	38.3	42.1	47.1	51.1	Mills	35.1	38.1	40.9	42.4
Cedar	36.1	39.8	44.4	48.8	Mitchell	38.2	40.5	40.9	40.5
Cerro Gordo	35.3	38.7	41.4	42.8	Monona	40.5	43.4	45.6	45.3
Cherokee	37.2	40.7	45.7	49.7	Monroe	37.8	41.5	44.4	43.7
Chickasaw	35.7	39.6	44.6	49.3	Montgomery	38.6	41.8	45.8	49.3
Clarke	36.6	40.0	43.1	43.6	Muscatine	33.0	35.5	37.3	38.4
Clay	35.1	38.6	42.4	45.1	O'Brien	36.9	40.7	46.1	50.1
Clayton	35.9	39.5	43.6	46.2	Osceola	35.8	39.9	43.7	43.8
Clinton	35.1	38.8	41.9	43.4	Page	38.2	40.4	44.1	48.4
Crawford	35.3	39.4	43.4	46.1	Palo Alto	37.3	40.5	42.7	41.8
Dallas	34.6	38.0	40.7	42.3	Plymouth	34.1	38.1	42.0	45.3
Davis	36.1	40.0	45.0	48.1	Pocahontas	39.1	41.5	40.7	37.9
Decatur	35.5	39.5	42.4	44.6	Polk	32.3	35.1	36.8	38.6
Delaware	32.7	36.1	39.7	42.0	Pottawattamie	33.5	37.0	39.9	41.4
Des Moines	35.9	39.5	42.5	44.2	Poweshiek	34.4	38.1	41.4	43.8
Dickinson	39.7	43.1	48.7	53.4	Ringgold	42.1	44.3	44.7	41.2
Dubuque	33.1	36.4	39.5	41.4	Sac	38.2	42.0	47.1	52.0
Emmet	36.2	39.3	41.9	42.4	Scott	32.4	35.3	37.5	38.7
Fayette	36.3	39.9	44.1	47.1	Shelby	37.2	41.1	46.1	49.9
Floyd	37.9	41.9	46.4	49.2	Sioux	31.0	33.7	36.8	39.2
Franklin	38.0	41.4	44.9	47.1	Story	25.7	27.5	29.3	30.0
Fremont	38.7	42.3	45.5	46.7	Tama	37.2	41.0	44.5	46.3
Greene	39.4	41.9	43.0	40.7	Taylor	40.0	43.2	45.9	45.2
Grundy	38.8	42.2	45.8	47.8	Union	36.4	39.9	42.1	43.4
Guthrie	39.9	43.2	47.2	49.8	Van Buren	37.8	41.7	45.1	45.6
Hamilton	37.2	40.7	45.1	48.6	Wapello	37.0	40.5	44.2	46.4
Hancock	35.4	39.0	42.9	47.1	Warren	32.8	36.1	38.6	40.2
Hardin	37.8	41.6	46.6	50.2	Washington	35.6	39.0	41.7	43.3
Harrison	36.5	40.2	44.8	48.8	Wayne	42.3	44.4	45.5	44.7
Henry	34.6	37.9	40.3	42.9	Webster	35.5	39.1	42.2	44.0
Howard	37.6	41.1	43.1	42.2	Winnebago	35.9	38.9	40.3	40.4
Humboldt	38.6	42.2	46.6	49.9	Winneshiek	31.8	33.9	36.3	38.8
Ida	36.8	40.4	44.6	45.6	Woodbury	32.9	35.6	37.9	39.4
Iowa	36.5	40.1	43.8	47.5	Worth	38.2	41.5	44.1	43.8
Jackson	35.0	38.9	43.1	46.2	Wright	38.9	42.7	47.5	50.8
Jasper	36.1	39.8	43.0	45.2					
					State of Iowa	34.0	37.3	39.8	41.2

Among residents 20 through 64 years of age, 47 counties can anticipate increases between 1990 and 2020. Gains may range from less than 1,000 in 16 counties to more than 10,000 in Dallas, Johnson, Linn, Polk, Scott, and Woodbury. Of the 52 counties in which declines among those 20-64 may occur, drops could be less than 1,000 in 43; none of the decreases are anticipated to be as great as 3,000. More than half (56) of the counties are expected to change from 1990 to 2020 by fewer than 10 percentage points in either direction among residents 20-64 years of age.

Youth constituted the only age category projected to decline for the state as a whole from 1990 to 2020. That trend is reflected across the counties as well, with 81 anticipated to have fewer residents 19 or younger at the end of the period than at the beginning. Seven of these declines could be greater than 2,000; 17 others are projected to decrease by 1,000 to 1,999 in this age group. Gains in the 18 counties that may have more youth in 2020 than in 1990 are expected to be relatively small in most areas. In only seven counties do projections suggest increases of at least 1,000. The gains among youth in Johnson and Polk could be greater than 10,000. In 24 of Iowa's 99 counties, these changes may be less than 10 percentage points in either direction when 1990 and 2020 are compared.

Changes also are projected for median age between 1990 and 2020. All but three counties may see increases in median age in the 30-year period (Table 2). Although that may not happen in Adams, Pocahontas, or Ringgold, these counties already had relatively high medians in 1990 and the drops are predicted to be relatively small. Among the remaining 96 counties, median ages may increase in 27 of them by less than the 7.2 years predicted for the state. But another 35 could have increases of at least 10 years in median age; among these, Kossuth could see a median more than 14 years older in 2020 than that reported in 1990.

Median age is predicted to increase between each decade from 1990 to 2020 for the state. That trend may occur in 85 of the counties. In others, variations from this pattern tend to be minor. By 2020, 10 counties may have medians of at least 50.0 years; medians in another 12 are projected to be less than 40.0. The remaining 77 of Iowa's 99 counties may have medians ranging from 40.0 to 49.9 years of age in 2020.

Note: Caution is urged in examining population projections. It is difficult to predict population even a few years, let alone a few decades, into the future. This is even more critical when subcategories of the population are at issue.

Estimates of Residents by Race and Hispanic Origin in Iowa's Counties: 1990 and 1998

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The U.S. Bureau of the Census annually updates estimates of the population of states and counties by race and Hispanic origin. The latest estimates, which refer to 1998, were released in September of 1999. The racial categories listed are American Indian, Eskimo, or Aleut; Asian or Pacific Islander; black; and white. The sum of these four groups equals the total population reported in Table 1. The category reported as Hispanic origin constitutes a classification separate and independent of race. Persons of Hispanic origin may be of any race according to procedures used by the census bureau.

In 1998, Iowa's white residents accounted for 96.5 percent of the total population, which was about a half-point lower than in 1990 (97.1%). The statewide estimate for whites in 1998 was an increase of 2.4 percent (+65,900) from the figure in 1990. In 1998, more than 100,000 white residents lived in Black Hawk, Linn, Polk, and Scott; when the nine counties with from 40,000 to 100,000 whites were added to these four, nearly half (49.6%) of all white residents were accounted for in 13 of Iowa's 99 counties.

Blacks, the largest minority group in 1990 (48,417), increased by 17.5 percent (+8,500) to 56,900 during the period (Table 1). Black Hawk, Polk, and Scott were the only counties with at least 5,000 blacks in 1998; they contained nearly two-thirds (64.9%) of the state's total. A third (35) of Iowa's counties were estimated to have fewer than 10 black residents in 1998. Blacks constituted an estimated 2.0 percent of Iowa's 1998 population, a slight increase from the 1.7 percent reported in 1990.

Iowa's population of Asian and Pacific Islanders totaled 25,715 in 1990 and was estimated to have increased to 36,200 in 1998 (Table 1). Numerical (+10,500) and percentage (+40.9%) changes were larger for this group than for blacks. More than half (52.1%) of Iowa's Asians lived in Johnson, Polk, or Story counties in 1998 and all but Adams and Audubon had at least 15 Asian residents that year. This group was 1.3 percent of Iowa's population in 1998, which reflected an increase from the 0.9 percent listed for 1990.

American Indians, the smallest minority in Iowa, increased 9.6 percent (+700) between 1990 and 1998 (Table 1). Estimated at 8,500 in 1998, nearly half (46.8%) lived in three counties (Polk, Tama, Woodbury). While Polk had the highest numbers in all other groups, more American Indians lived in Woodbury than any other county in both 1990 and 1998. Only 0.3 percent of Iowa's residents were American Indians at both time periods.

Residents of Hispanic origin were estimated to number 56,900 in Iowa in 1998. This group has shown the largest increase in both numbers (+24,300) and percent (+74.4%) between 1990 and 1998 of any minority group in the state (Table 1). Nearly half (49.8%) of Hispanic residents were estimated to live in Muscatine, Polk, Scott, or Woodbury counties in 1998. About 2.0 percent of Iowa's residents were in this category that year, while Hispanics accounted for 1.2 percent in 1990.

The latest population estimates suggest that, while Iowa's overall racial and Hispanic composition differs little from that of the 1990 census, some groups have changed substantially. Hispanics in particular have grown rapidly and are estimated to number about the same as blacks, traditionally Iowa's largest minority group.

Table 1. Estimates of Residents by Race or Hispanic Origin in Iowa's Counties, 1990 and 1998.

County	1998						1990					
	Total	American Indian	Asian or Pacific Islander	Black	White	Hispanic Origin*	Total	American Indian	Asian or Pacific Islander	Black	White	Hispanic Origin*
Adair	8064	4	29	1	8030	60	8409	5	19	1	8384	35
Adams	4352	7	5	3	4337	26	4866	7	3	3	4853	18
Allamakee	13989	27	46	45	13871	78	13855	21	31	5	13798	42
Appanoose	13595	29	46	83	13437	122	13743	27	36	79	13601	72
Audubon	6784	3	7	7	6767	41	7334	3	6	1	7324	22
Benton	25418	34	82	26	25276	189	22429	31	45	20	22333	93
Black Hawk	121121	238	1370	9138	110375	1525	123798	231	1013	8550	114004	912
Boone	26233	19	108	59	26047	176	25186	19	78	62	25027	99
Bremer	23411	13	180	84	23134	128	22813	11	133	70	22599	72
Buchanan	21190	26	62	32	21070	192	20844	24	44	38	20738	112
Buena Vista	19454	17	523	60	18854	259	19965	17	397	56	19495	160
Butler	15693	14	36	4	15639	67	15731	12	26	4	15689	37
Calhoun	11378	16	27	91	11244	73	11508	11	23	30	11444	40
Carroll	21706	20	83	12	21591	101	21423	19	57	8	21339	57
Cass	14591	23	19	9	14540	72	15128	22	16	9	15081	46
Cedar	17977	17	70	20	17870	192	17444	17	49	16	17362	109
Cerro Gordo	46159	44	356	332	45427	1612	46733	45	264	307	46117	994
Cherokee	13191	37	44	24	13086	75	14098	37	32	20	14009	51
Chickasaw	13441	4	23	4	13410	74	13295	4	18	4	13269	40
Clarke	8362	8	25	2	8327	35	8287	8	21	3	8255	19
Clay	17532	38	119	10	17365	78	17585	31	83	8	17463	44
Clayton	18722	18	34	8	18662	108	19054	16	27	7	19004	61
Clinton	49897	139	290	809	48659	488	51040	125	205	732	49978	294
Crawford	16446	37	116	68	16225	154	16775	33	89	59	16594	98
Dallas	36900	52	133	83	36632	367	29755	44	70	63	29578	176
Davis	8403	25	29	2	8347	70	8312	25	21	2	8264	41
Decatur	8220	18	100	40	8062	75	8338	17	73	35	8213	45
Delaware	18578	14	44	10	18510	121	18035	15	32	11	17977	68
Des Moines	41944	74	312	1432	40126	828	42614	70	230	1329	40985	492
Dickinson	16236	24	43	20	16149	98	14909	22	26	16	14845	52
Dubuque	87806	97	609	389	86711	719	86403	85	442	357	85519	437
Emmet	10887	16	34	26	10811	104	11569	13	31	19	11506	63
Fayette	21761	21	74	72	21594	325	21843	16	51	48	21728	195
Floyd	16353	10	59	9	16275	151	17058	13	47	8	16990	92
Franklin	10863	7	25	8	10823	247	11364	8	18	7	11331	152
Fremont	7746	9	20	4	7713	91	8226	9	16	4	8197	53
Greene	10065	13	36	5	10011	50	10045	10	30	5	10000	30
Grundy	12183	9	27	7	12140	60	12029	9	21	7	11992	34
Guthrie	11571	18	25	9	11519	59	10935	19	15	7	10894	35
Hamilton	16011	23	125	11	15852	194	16071	21	90	10	15950	116
Hancock	12044	7	33	1	12003	213	12638	7	29	1	12601	129
Hardin	18462	33	77	100	18252	164	19094	26	56	118	18894	106
Harrison	15364	16	70	10	15268	96	14730	15	51	10	14654	50
Henry	19983	56	289	263	19375	222	19226	44	215	212	18755	127
Howard	9689	11	26	6	9646	44	9809	7	20	5	9777	24
Humboldt	10323	13	35	10	10265	59	10756	15	27	9	10705	37
Ida	7912	5	23	1	7883	39	8365	5	19	1	8340	23
Iowa	15550	13	49	7	15481	70	14630	11	34	7	14578	39
Jackson	20078	23	36	23	19996	162	19950	23	24	18	19885	96
Jasper	35961	75	257	114	35515	327	34795	66	177	65	34487	194

*Hispanics can be of any race.

Table 1. Estimates of Residents by Race or Hispanic Origin in Iowa's Counties, 1990 and 1998 (continued).

County	1998						1990					
	Total	American Indian	Asian or Pacific Islander	Black	White	Hispanic Origin*	Total	American Indian	Asian or Pacific Islander	Black	White	Hispanic Origin*
Jefferson	17113	24	188	109	16792	224	16310	24	139	93	16054	141
Johnson	102724	219	5241	2484	94780	2598	96119	187	3851	2002	90079	1435
Jones	20349	40	33	362	19914	168	19444	35	23	301	19085	95
Keokuk	11499	20	37	6	11436	35	11624	19	27	6	11572	19
Kossuth	17738	7	71	9	17651	152	18591	8	59	8	18516	94
Lee	38471	68	198	1325	36880	1228	38687	61	137	1128	37361	732
Linn	182651	432	2080	4080	176059	2962	168767	369	1408	3352	163638	1591
Louisa	11938	39	29	73	11797	706	11592	36	19	86	11451	425
Lucas	9152	19	21	9	9103	91	9070	20	18	4	9028	53
Lyon	12012	15	50	2	11945	20	11952	15	35	2	11900	11
Madison	13872	53	27	13	13779	131	12483	37	16	5	12425	67
Mahaska	21901	20	256	46	21579	148	21532	17	180	44	21291	92
Marion	31357	44	407	115	30791	285	30001	43	284	104	29570	162
Marshall	38732	114	426	310	37882	489	38276	106	302	279	37589	292
Mills	14477	33	26	23	14395	138	13202	28	18	23	13133	72
Mitchell	11012	1	28	3	10980	83	10928	1	21	2	10904	45
Monona	10110	26	20	4	10060	51	10034	26	13	5	9990	30
Monroe	8041	16	43	21	7961	32	8114	16	33	19	8046	18
Montgomery	11910	11	19	7	11873	84	12076	12	13	5	12046	52
Muscatine	41126	140	425	326	40235	4819	39907	118	306	221	39262	2900
O'Brien	14910	33	62	8	14807	65	15444	32	52	8	15352	39
Osceola	6980	9	19	3	6949	27	7267	9	16	3	7239	16
Page	17269	74	118	238	16839	335	16870	52	85	84	16649	197
Palo Alto	10017	24	22	8	9963	39	10669	23	18	8	10620	24
Plymouth	24825	16	77	46	24686	103	23388	15	53	49	23271	58
Pocahontas	8777	11	18	4	8744	48	9525	11	17	4	9493	32
Polk	359826	1161	9174	18374	331117	11593	327140	954	6053	14872	305261	6161
Pottawattamie	86174	263	424	564	84923	2604	82628	246	290	468	81624	1514
Poweshiek	18865	26	244	96	18499	106	19033	23	192	88	18730	68
Ringgold	5354	11	23	1	5319	26	5420	10	18	1	5391	16
Sac	11931	16	25	4	11886	73	12324	14	20	4	12286	44
Scott	158591	580	2004	9408	146599	7441	150973	520	1373	8050	141030	4251
Shelby	12978	22	25	5	12926	77	13230	20	20	5	13185	44
Sioux	31280	35	317	27	30901	127	29903	32	211	25	29635	66
Story	75268	113	4472	1316	69367	1364	74252	107	3480	1203	69462	840
Tama	17739	814	96	42	16787	214	17419	814	65	31	16509	128
Taylor	7153	11	28	1	7113	79	7114	8	19	1	7086	46
Union	12554	27	59	11	12457	70	12750	22	51	10	12667	42
Van Buren	7886	11	24	11	7840	52	7676	8	18	10	7640	29
Wapello	35440	104	241	308	34787	377	35696	98	172	271	35155	224
Warren	40196	66	224	113	39793	515	36033	52	146	90	35745	277
Washington	20967	19	78	90	20780	355	19612	16	54	90	19452	196
Wayne	6659	9	18	1	6631	46	7067	8	16	1	7042	29
Webster	38705	117	230	942	37416	776	40342	118	166	886	39172	490
Winnebago	11931	19	118	38	11756	163	12122	17	82	31	11992	97
Winneshiek	20934	5	263	53	20613	104	20847	5	198	43	20601	61
Woodbury	101672	1987	1848	2221	95616	4529	98276	1895	1291	1901	93189	2712
Worth	7779	3	18	16	7742	148	7991	3	14	15	7959	91
Wright	14003	16	57	10	13920	156	14269	15	43	10	14201	92
State of Iowa	2862447	8457	36241	56879	2760870	56936	2776831	7716	25715	48417	2694983	32643

These figures, while indicating increases, still may underestimate numbers in the minority categories. Readers can compare these estimates with numbers reported for K-12 youth in a section in this volume entitled "Ethnicity of K-12 Students in Iowa's Counties: 1983, 1988, 1993-1998." Although the comparisons are not exact, they suggest potential problems with the county estimates reported here. For example, Buena Vista and Marshall are reported to have far more K-12 Hispanic students in 1998 than the total (all ages) Hispanics noted in this section. This suggests that rapid changes are not always captured by the bureau in these estimates by race and Hispanic origin. Thus, caution is urged in interpreting them.

Note: The 1990 figures are called estimates here although they were based on counts from the census conducted that year. In 1990, a racial category of "other" was available for selection on the census form. For estimation purposes in the years that followed, the bureau reallocated those in the "other" racial category to the four remaining groups (American Indian, Eskimo, Aleut; Asian or Pacific Islander; black, white). In Iowa, most selecting the "other" racial category in 1990 were Hispanics who considered themselves to be white, which the bureau knew from responses to a related question. Thus, about 11,900 of the approximately 12,800 who selected "other" in 1990 were reallocated to white for these estimates. So were about 300 to black, 250 to Asian or Pacific Islander, and 350 to American Indian, Eskimo, or Aleut. Those wanting to see the 1990 figures with the "other" racial category included can review the section on "Race and Hispanic Origin in Iowa's Counties: 1980-1990" in the 1991 edition of this volume.

Experimental Estimates of Residents of Hispanic Origin in Iowa's Counties: 1990 and 1998

Sandra Charvat Burke, Iowa State University

Since the 1990 census, the U.S. Bureau of the Census has produced annual estimates of the population of Hispanic origin. The most recent estimate suggested that 56,936 Hispanics lived in Iowa in 1998, an increase of 24,293 (+74.4%) since the 1990 count.

The 1998 figures provided by the census bureau may underestimate the Hispanic population in Iowa, however. Evidence for this comes from examining the number of Hispanic youth as reported in school-enrollment figures (see the section in this volume on Ethnicity of K-12 Students in Iowa's Counties: 1978, 1983, 1988, and 1993-1998). For example, Buena Vista County had 478 Hispanic students enrolled in school in 1998 but the estimate from the census bureau suggested that the total Hispanic population was 259 that year (Table 1). Similarly, 663 Hispanic students were counted in Marshall but the total population of Hispanics was estimated by the bureau to be 489. In Crawford, Emmet, and Iowa counties as well, more Hispanic students were noted than the bureau's estimates of the total Hispanic population. Clearly, the estimates of Hispanics offered by the census bureau were not accounting even for school-age Hispanics let alone their parents, younger siblings, or other adults who would be present in the total population. These comparisons indicate that relatively rapid change in the Hispanic population is not always captured by the U.S. Bureau of the Census in its estimation procedure.

Using the 1990 census counts of the Hispanic population, an average of the 1989 through 1991 K-12 enrollment of Hispanic youth, and the 1998 Hispanic K-12 figures, an experimental estimation procedure was devised to construct another set of estimates of the total Hispanic population for 1998. This experimental set yields a substantially higher statewide total of Hispanics (72,942) that year than did the bureau's formula (Table 1); indeed, the experimental figures suggest that the Hispanic population in Iowa more than doubled (+123.4%) since 1990. Counties that recorded relatively large increases in Hispanic students between 1990 and 1998 also have large gains in total Hispanics in the experimental numbers. Muscatine, Polk, Scott, and Woodbury continue to have the largest totals in the experimental estimates, accounting for 45.5 percent of all Hispanics in 1998. That percentage is a few points lower than that for the census count or estimate. The difference is caused by rapid gains among Hispanics in counties such as Buena Vista, Dallas, and Marshall that result when the experimental set of estimates is constructed.

Both the estimates from the U.S. Bureau of the Census and from the experimental set should be used with caution. While the experimental set may better reflect recent localized changes in the Hispanic population, it, too, is at best an estimate.

Table 1. Counts (1990) and Estimates (1998) of the Hispanic Population and K-12 Students in Iowa's Counties.

County	Counts			Estimates		County	Counts			Estimates	
	1990 Census Bureau Count	1990 K-12 Stu ¹ Count	1998 K-12 Stu ¹ Count	1998 Census Bureau Est	1998 Census Services Exper Est ²		1990 Census Bureau Count	1990 K-12 Stu ¹ Count	1998 K-12 Stu ¹ Count	1998 Census Bureau Est	1998 Census Services Exper Est ²
Adair	35	9	3	60	15	Jefferson	141	8	40	224	337
Adams	18	0	1	26	5	Johnson	1435	194	347	2598	2369
Allamakee	42	12	31	78	147	Jones	95	5	16	168	193
Appanoose	72	3	20	122	201	Keokuk	19	0	10	35	47
Audubon	22	2	3	41	14	Kossuth	94	23	45	152	181
Benton	93	19	18	189	85	Lee	732	166	155	1228	638
Black Hawk	912	123	339	1525	2241	Linn	1591	296	493	2962	2542
Boone	99	9	21	176	204	Louisa	425	192	484	706	1180
Bremer	72	5	17	128	178	Lucas	53	4	13	91	62
Buchanan	112	9	15	192	156	Lyon	11	3	7	20	33
Buena Vista	160	25	478	259	3627	Madison	67	12	18	131	92
Butler	37	11	3	67	14	Mahaska	92	19	25	148	141
Calhoun	40	13	19	73	92	Marion	162	25	38	285	277
Carroll	57	23	31	101	146	Marshall	292	78	663	489	2677
Cass	46	14	14	72	66	Mills	72	8	40	138	346
Cedar	109	23	19	192	105	Mitchell	45	8	6	83	28
Cerro Gordo	994	206	268	1612	1261	Monona	30	4	9	51	42
Cherokee	51	1	19	75	91	Monroe	18	5	17	32	79
Chickasaw	40	4	22	74	103	Montgomery	52	7	8	84	37
Clarke	19	4	23	35	107	Muscatine	2900	947	1185	4819	3700
Clay	44	6	13	78	61	O'Brien	39	6	31	65	145
Clayton	61	8	11	108	52	Osceola	16	0	25	27	117
Clinton	294	61	101	488	471	Page	197	35	56	335	248
Crawford	98	14	156	154	1089	Palo Alto	24	4	14	39	65
Dallas	176	25	364	367	2677	Plymouth	58	7	55	103	260
Davis	41	0	6	70	28	Pocahontas	32	8	12	48	56
Decatur	45	6	15	75	78	Polk	6161	964	2608	11593	15698
Delaware	68	8	19	121	190	Pottawattamie	1514	259	491	2604	2781
Des Moines	492	150	136	828	479	Poweshiek	68	10	24	106	129
Dickinson	52	11	9	98	44	Ringgold	16	0	3	26	15
Dubuque	437	59	122	719	826	Sac	44	4	16	73	75
Emmet	63	30	115	104	269	Scott	4251	986	1359	7441	4913
Fayette	195	31	50	325	353	Shelby	44	9	12	77	58
Floyd	92	16	32	151	163	Sioux	66	16	125	127	527
Franklin	152	67	122	247	375	Story	840	130	178	1364	1003
Fremont	53	11	6	91	29	Tama	128	31	174	214	588
Greene	30	3	47	50	219	Taylor	46	0	61	79	286
Grundy	34	5	23	60	107	Union	42	3	9	70	42
Guthrie	35	10	6	59	28	Van Buren	29	0	5	52	23
Hamilton	116	20	33	194	131	Wapello	224	10	100	377	1000
Hancock	129	27	44	213	206	Warren	277	29	67	515	621
Hardin	106	28	114	164	324	Washington	196	33	116	355	839
Harrison	50	3	14	96	140	Wayne	29	2	6	46	28
Henry	127	35	41	222	186	Webster	490	78	132	776	853
Howard	24	8	4	44	19	Winnebago	97	45	42	163	78
Humboldt	37	1	7	59	33	Winneshiek	61	6	7	104	50
Ida	23	1	1	39	5	Woodbury	2712	541	1959	4529	8862
Iowa	39	20	76	70	355	Worth	91	16	11	148	55
Jackson	96	2	13	162	130	Wright	92	25	93	156	394
Jasper	194	41	39	327	207						
State of Iowa							32643	6483	14513	56936	72942

¹K-12 student numbers are based on the county in which the school district's administrative office is located.

²1990 census counts and 1989-1991 and 1998 K-12 student numbers were used to create 1998 experimental estimates.

Estimated Net Migration in Iowa's Counties: 1990-1998

Willis Goudy, Iowa State University
Sandra Charvat Burke, Iowa State University

As part of the process of estimating the population of counties between decennial censuses, the U.S. Bureau of the Census examines migration. When it releases its figures, the bureau includes an estimate of net migration as one of the components of population change. The estimates reported in this section cover the period from 1 April 1990 to 1 July 1998.

According to the census bureau, the State of Iowa had more people entering than leaving from 1 April 1990 to 1 July 1998. The difference between the totals moving in and out was relatively small, however, with a net immigration of about 5,900 (Table 1). This near balance of in- and outmigrants contrasts greatly with the last several decades in this state, when far more left than arrived.

Forty-five counties had more residents entering than leaving from 1 April 1990 to 1 July 1998. Benton, Boone, Dallas, Dickinson, Linn, Madison, Polk, and Warren had net immigration exceeding 1,000. Polk's figure of more than 8,500 was far greater than the others; Dallas and Linn were the only other counties with at least 3,000 more arriving than departing. Black Hawk, Cerro Gordo, Clinton, Des Moines, Dubuque, Scott, Story, Webster, and Woodbury were reported to have at least 1,000 more moving out than in during the 1990s. Sixteen counties had total net migration of less than 100 in either direction.

The U.S. Bureau of the Census divides net migration into domestic and international components. Those migrating within the United States, which is called domestic migration, include those moving from one state to another. In Iowa, net domestic migration was estimated to be -13,000, which means that more left Iowa from 1 April 1990 to 1 July 1998 than arrived from other states (Table 1). Twelve counties had net domestic outmigration exceeding 1,000, with Black Hawk the highest (-7,044). Those with at least 1,000 more entering than leaving included Benton, Dallas, Dickinson, Linn, Madison, Polk, and Warren, with the figure in Dallas more than twice that of any other county. More than a quarter (28) of Iowa's 99 counties had net changes attributed to domestic migration of less than 200 in the period measured by the census bureau.

When individuals moving to and from other countries were examined, the state was estimated to have nearly 19,000 more entering than leaving (Table 1). Net international migration consists of legal immigration to the United States as reported by the Immigration and Naturalization Service, an estimate of net undocumented immigration from abroad, an estimate of emigration from the United States, and net movement between Puerto Rico and the United States.

Net international migration resulted in more in- than outmigrants in all but four Iowa counties (Cherokee, Clarke, Lyon, Ringgold). Generally, net international migration was small in number, however. In 18 counties, for example, the change was less than 10 from 1 April 1990 to 1 July 1998. In another 19, net immigration from other countries was 10-19. Thus, more than a third of Iowa's counties changed by less than 20 through net international migration. More than a third (6,837 or 36.1%) of Iowa's total net migration from other countries occurred in Polk County. The numbers in Johnson, Scott, and Woodbury also exceeded 1,000. These four (Johnson, Polk, Scott, Woodbury) accounted for three-fifths (60.4%) of the net international migration estimated by the U.S. Bureau of the Census.

Without net immigration from other countries, Iowa would not have had total net immigration from 1 April 1990 to 1 July 1998. The net figure for domestic movement was negative, indicating that more left Iowa for other states than entered during this period. Caution is urged in drawing conclusions, however; a review suggests that these state and county estimates have fluctuated rather substantially in the 1990s.

Table 1. Estimated Net Migration in Iowa's Counties, 1990-1998.

County	Total Estimated Net Migration	Estimated Net Domestic Migration	Estimated Net International Migration	County	Total Estimated Net Migration	Estimated Net Domestic Migration	Estimated Net International Migration
Adair	-1	-8	7	Jefferson	702	349	353
Adams	-387	-391	4	Johnson	-152	-1397	1245
Allamakee	157	100	57	Jones	517	495	22
Appanoose	132	118	14	Keokuk	-114	-138	24
Audubon	-283	-287	4	Kossuth	-730	-768	38
Benton	2029	2019	10	Lee	-403	-459	56
Black Hawk	-6495	-7044	549	Linn	3022	2128	894
Boone	1013	980	33	Louisa	16	-181	197
Bremer	508	497	11	Lucas	132	111	21
Buchanan	-319	-352	33	Lyon	-175	-167	-8
Buena Vista	-743	-1019	276	Madison	1324	1316	8
Butler	235	216	19	Mahaska	26	-62	88
Calhoun	379	367	12	Marion	885	819	66
Carroll	-34	-70	36	Marshall	661	299	362
Cass	-245	-276	31	Mills	996	987	9
Cedar	314	291	23	Mitchell	174	170	4
Cerro Gordo	-1315	-1426	111	Monona	317	305	12
Cherokee	-689	-684	-5	Monroe	-3	-11	8
Chickasaw	133	108	25	Montgomery	62	51	11
Clarke	138	138	0	Muscatine	-904	-1625	721
Clay	-330	-358	28	O'Brien	-416	-430	14
Clayton	-205	-227	22	Osceola	-257	-269	12
Clinton	-1926	-2048	122	Page	843	820	23
Crawford	-541	-612	71	Palo Alto	-356	-369	13
Dallas	5275	5051	224	Plymouth	633	583	50
Davis	28	23	5	Pocahontas	-381	-391	10
Decatur	38	28	10	Polk	8531	1694	6837
Delaware	-108	-125	17	Pottawattamie	210	-68	278
Des Moines	-1369	-1433	64	Poweshiek	-290	-315	25
Dickinson	1573	1532	41	Ringgold	228	228	0
Dubuque	-1647	-1814	167	Sac	-179	-202	23
Emmet	-570	-617	47	Scott	-1528	-3096	1568
Fayette	-205	-231	26	Shelby	-190	-203	13
Floyd	-568	-600	32	Sioux	-40	-125	85
Franklin	-366	-408	42	Story	-2473	-3317	844
Fremont	-147	-164	17	Tama	303	206	97
Greene	222	205	17	Taylor	262	224	38
Grundy	267	254	13	Union	-35	-59	24
Guthrie	790	782	8	Van Buren	297	291	6
Hamilton	-168	-211	43	Wapello	-74	-170	96
Hancock	-568	-598	30	Warren	2565	2486	79
Hardin	-345	-373	28	Washington	926	789	137
Harrison	861	854	7	Wayne	-115	-120	5
Henry	437	341	96	Webster	-1905	-1977	72
Howard	36	19	17	Winnebago	-93	-113	20
Humboldt	-221	-246	25	Winneshiek	-317	-402	85
Ida	-250	-268	18	Woodbury	-2148	-3941	1793
Iowa	650	627	23	Worth	-74	-78	4
Jackson	-94	-102	8	Wright	-46	-76	30
Jasper	614	590	24				
				State of Iowa	5924	-13030	18954

Estimated Population (1998) and Census Counts (1990) in Incorporated Places and Unincorporated Areas in Iowa's Counties

Willis Goudy, Iowa State University

The U.S. Bureau of the Census estimates the population of selected geographic areas between decennial censuses; the most recent data, which are for 1998, were released in July of 1999. Figures are provided for incorporated places by county along with the number living outside of places (balance of county) (Table 1). Some incorporated places cross county boundaries; such places are designated by (part) in the table. Those counted among the balance of a county's population include farm residents and those living in unincorporated areas but not on farms.

The U.S. Bureau of the Census introduced a new method for creating population estimates with the release of the 1996 estimates; this method was followed for 1998 as well. A distributive housing method was developed, which was based on estimated residential construction, new mobile homes, and estimated housing loss since the 1990 census. Rates of vacancies and of persons per household were held constant from those obtained in 1990.

The bureau cautions that these estimates have a large margin of error, especially for areas with fewer than 5,000 residents. That includes most incorporated places in the State of Iowa; basically, the smaller the place, the greater the chance for error. The estimate for the balance of the county, which is that remaining after the population in incorporated places is taken into consideration, also is subject to error.

Table 1. Population in Incorporated Places and Balance of the County in Iowa's Counties, 1990 and 1998.

County/Place/Balance	1998	1990	County/Place/Balance	1998	1990
Adair County	8064	8409	Black Hawk County	121121	123798
Adair (part)	797	830	Cedar Falls	34721	34298
Bridgewater	200	209	Dunkerton	740	746
Casey (part)	18	15	Elk Run Heights	1068	1088
Fontanelle	684	712	Evansdale	4640	4638
Greenfield	1997	2074	Gilbertville	733	748
Orient	356	376	Hudson	2075	2037
Stuart (part)	530	529	Janesville (part)	130	133
Balance of Adair County	3482	3664	La Porte City	2077	2128
Adams County	4352	4866	Raymond	613	619
Carbon	52	60	Waterloo	63703	66467
Corning	1551	1806	Balance of Black Hawk County	10621	10896
Lenox (part)	2	0	Boone County	26233	25186
Nodaway	139	153	Beaver	43	46
Prescott	256	287	Berkley	40	39
Balance of Adams County	2352	2560	Boone	12754	12392
Allamakee County	13989	13855	Boxholm	210	214
Harpers Ferry	299	284	Fraser	129	120
Lansing	1028	1007	Luther	154	154
New Albin	492	534	Madrid	2578	2395
Postville (part)	1394	1465	Ogden	2001	1909
Waterville	141	140	Pilot Mound	198	199
Waukon	3863	4019	Sheldahl (part)	22	22
Balance of Allamakee County	6772	6406	Balance of Boone County	8104	7696
Appanoose County	13595	13743	Bremer County	23411	22813
Centerville	5448	5936	Denver	1680	1600
Cincinnati	375	363	Frederika	197	188
Exline	195	187	Janesville (part)	736	689
Moravia	705	679	Plainfield	438	455
Moulton	647	613	Readlyn	806	773
Mystic	570	545	Sumner	1957	2078
Numa	150	151	Tripoli	1232	1188
Plano	75	75	Waverly	8762	8539
Rathbun	90	89	Balance of Bremer County	7603	7303
Udell	79	76	Buchanan County	21190	20844
Unionville	137	133	Aurora	200	196
Balance of Appanoose County	5124	4896	Brandon	335	320
Audubon County	6784	7334	Fairbank (part)	784	851
Audubon	2352	2524	Hazleton	779	733
Brayton	139	148	Independence	5888	5972
Exira	898	955	Jesup	2153	2121
Gray	75	83	Lamont	440	471
Kimballton	261	289	Quasqueton	631	579
Balance of Audubon County	3059	3335	Rowley	282	272
Benton County	25418	22429	Stanley (part)	118	116
Atkins	888	637	Winthrop	771	742
Belle Plaine	2995	2834	Balance of Buchanan County	8809	8471
Blairstown	724	672	Buena Vista County	19454	19965
Garrison	336	320	Albert City	722	779
Keystone	616	568	Alta	1748	1820
Luzerne	115	110	Lakeside	524	522
Mount Auburn	139	134	Linn Grove	176	194
Newhall	968	854	Marathon	285	320
Norway	654	583	Newell	1014	1089
Shellsburg	976	765	Rembrandt	205	229
Urbana	881	595	Sioux Rapids	729	792
Van Horne	764	695	Storm Lake	8970	8769
Vinton	5514	5103	Truesdale	119	132
Walford (part)	914	290	Balance of Buena Vista County	4962	5319
Balance of Benton County	8934	8269			

Table 1. Population in Incorporated Places and Balance of the County in Iowa's Counties, 1990 and 1998 (cont.).

County/Place/Balance	1998	1990	County/Place/Balance	1998	1990
Butler County	15693	15731	Cerro Gordo County	46159	46733
Allison	976	1000	Clear Lake	8250	8183
Aplington	1055	1034	Dougherty	100	107
Aredale	86	88	Mason City	28718	29040
Bristow	209	197	Meservey	274	292
Clarksville	1355	1382	Plymouth	431	453
Dumont	688	705	Rock Falls	151	155
Greene	1113	1142	Rockwell	980	1008
New Hartford	671	683	Swaledale	181	190
Parkersburg	1888	1804	Thornton	411	431
Shell Rock	1391	1385	Ventura	597	590
Balance of Butler County	6261	6311	Balance of Cerro Gordo County	6066	6284
Calhoun County	11378	11508	Cherokee County	13191	14098
Farnhamville (part)	397	414	Aurelia	990	1034
Jolley	62	68	Cherokee	5515	6026
Knierim	64	71	Cleghorn	246	275
Lake City	1799	1841	Larrabee	168	175
Lohrville	425	453	Marcus	1077	1171
Lytton (part)	39	42	Meriden	187	193
Manson	1804	1844	Quimby	300	334
Pomeroy	738	762	Washta	261	284
Rinard	65	71	Balance of Cherokee County	4447	4606
Rockwell City	1874	1981	Chickasaw County	13441	13295
Somers	154	161	Alta Vista	237	246
Yetter	45	49	Bassett	75	74
Balance of Calhoun County	3912	3751	Fredericksburg	1036	1011
Carroll County	21706	21423	Ionia	307	304
Arcadia	469	485	Lawler	498	517
Breda	451	467	Nashua	1442	1476
Carroll	10331	9579	New Hampton	3759	3660
Coon Rapids	1209	1266	North Washington	109	107
Dedham	263	264	Balance of Chickasaw County	5978	5900
Glidden	1125	1099	Clarke County	8362	8287
Halbur	252	215	Murray	711	731
Lanesboro	165	182	Osceola	4288	4164
Lidderdale	192	202	Woodburn	239	240
Manning	1437	1484	Balance of Clarke County	3124	3152
Ralston (part)	104	111	Clay County	17532	17585
Templeton	313	321	Dickens	211	214
Wiley	75	78	Everly	695	706
Balance of Carroll County	5320	5670	Fostoria	200	205
Cass County	14591	15128	Gillett Grove	66	67
Anita	1034	1068	Greenville	81	84
Atlantic	7098	7432	Peterson	391	390
Cumberland	291	295	Rossie	76	68
Griswold	974	1049	Royal	454	466
Lewis	405	433	Spencer	11170	11066
Marne	151	149	Webb	182	167
Massena	372	372	Balance of Clay County	4006	4152
Wiota	160	160	Clayton County	18722	19054
Balance of Cass County	4106	4170	Clayton	42	41
Cedar County	17977	17444	Edgewood (part)	338	325
Bennett	376	395	Elkader	1446	1510
Clarence	921	936	Elkport	78	82
Durant (part)	1597	1540	Farmersburg	267	291
Lowden	728	726	Garber	115	118
Mechanicsville	1037	1075	Garnavillo	714	727
Stanwood	645	646	Guttenberg	2248	2257
Tipton	3084	2998	Littleport	80	88
West Branch	2239	1908	Luana	189	190
Wilton (part)	6	4	Marquette	615	479
Balance of Cedar County	7344	7216			

Table 1. Population in Incorporated Places and Balance of the County in Iowa's Counties, 1990 and 1998 (cont.).

County/Place/Balance	1998	1990	County/Place/Balance	1998	1990
Clayton County (continued)			Davis County	8403	8312
McGregor	777	797	Bloomfield	2603	2580
Millville	31	32	Drakesville	172	172
Monona	1453	1520	Floris	176	172
North Buena Vista	159	145	Pulaski	255	262
Osterdock	49	49	Balance of Davis County	5197	5126
Postville (part)	27	7			
St. Olaf	115	125	Decatur County	8220	8338
Strawberry Point	1292	1357	Davis City	267	257
Volga	286	306	Decatur City	191	177
Balance of Clayton County	8401	8608	Garden Grove	232	229
			Grand River	170	171
Clinton County	49897	51040	Lamoni	2250	2319
Andover	102	99	Leon	1884	2047
Calamus	372	379	Le Roy	33	34
Camanche	4396	4436	Pleasanton	62	58
Charlotte	345	359	Van Wert	260	249
Clinton	27626	29201	Weldon	152	151
Delmar	494	517	Balance of Decatur County	2719	2646
De Witt	4889	4514			
Goose Lake	215	221	Delaware County	18578	18035
Grand Mound	589	619	Colesburg	437	439
Lost Nation	428	467	Delaware	210	176
Low Moor	269	280	Delhi	489	485
Toronto	133	132	Dundee	173	174
Welton	182	184	Dyersville (part)	63	37
Wheatland	736	723	Earlville	842	822
Balance of Clinton County	9121	8909	Edgewood (part)	530	517
			Greeley	291	284
Crawford County	16446	16775	Hopkinton	705	695
Arion	153	148	Manchester	5469	5137
Aspinwall	50	52	Masonville	126	129
Buck Grove	55	55	Ryan	379	382
Charter Oak	462	497	Balance of Delaware County	8864	8709
Deloit	284	296			
Denison	6533	6604	Des Moines County	41944	42614
Dow City	443	439	Burlington	26855	27208
Kiron	280	301	Danville	956	926
Manilla	845	898	Mediapolis	1602	1637
Ricketts	121	122	Middletown	386	386
Schleswig	806	851	West Burlington	3100	3083
Vail	364	388	Balance of Des Moines County	9045	9374
Westside	342	348			
Balance of Crawford County	5708	5776	Dickinson County	16236	14909
			Arnolds Park	1039	953
Dallas County	36900	29755	Lake Park	1028	996
Adel	3988	3304	Milford	2469	2170
Bouton	161	149	Okoboji	916	775
Clive (part)	44		Orleans	564	560
Dallas Center	1632	1454	Spirit Lake	4187	3872
Dawson	183	174	Superior	122	128
De Soto	1265	1033	Terril	371	383
Dexter	690	628	Wahpeton	501	484
Granger	682	624	West Okoboji	271	263
Grimes (part)	0		Balance of Dickinson County	4768	4325
Linden	252	201			
Minburn	370	346	Dubuque County	87806	86403
Perry	7301	6652	Asbury	2338	2013
Redfield	946	883	Balltown	78	74
Urbandale (part)	107		Bankston	38	35
Van Meter	901	751	Bernard	136	123
Waukee	4340	2512	Cascade (part)	1543	1430
West Des Moines (part)	523	7	Centralia	135	123
Woodward	1325	1197	Dubuque	56467	57538
Balance of Dallas County	12190	9840	Durango	29	34

Table 1. Population in Incorporated Places and Balance of the County in Iowa's Counties, 1990 and 1998 (cont.).

County/Place/Balance	1998	1990	County/Place/Balance	1998	1990
Dubuque County (continued)			Fremont County	7746	8226
Dyersville (part)	3748	3659	Farragut	467	498
Epworth	1355	1303	Hamburg	1159	1248
Farley	1360	1348	Imogene	82	88
Graf	62	66	Randolph	230	243
Holy Cross	281	293	Riverton	307	333
Luxemburg	240	257	Shenandoah (part)	2	0
New Vienna	366	376	Sidney	1178	1253
Peosta	521	135	Tabor (part)	887	901
Rickardsville	192	193	Thurman	226	239
Sageville	312	288	Balance of Fremont County	3208	3423
Sherrill	150	148	Greene County	10065	10045
Worthington	413	439	Churdan	406	423
Zwingle (part)	92	84	Dana	66	71
Balance of Dubuque County	17950	16444	Grand Junction	784	808
Emmet County	10887	11569	Jefferson	4315	4292
Armstrong	968	1025	Paton	258	255
Dolliver	94	103	Ralston (part)	8	8
Estherville	6375	6720	Ripley	271	275
Gruver	91	102	Scranton	551	583
Ringsted	432	481	Balance of Greene County	3406	3330
Wallingford	217	235	Grundy County	12183	12029
Balance of Emmet County	2710	2903	Beaman	186	183
Fayette County	21761	21843	Conrad	1023	964
Arlington	465	465	Dike	896	875
Clermont	523	523	Grundy Center	2571	2491
Elgin	636	637	Holland	212	215
Fairbank (part)	163	167	Morrison	129	125
Fayette	1407	1317	Reinbeck	1611	1605
Hawkeye	450	460	Stout	191	192
Maynard	532	513	Wellsburg	670	682
Oelwein	6495	6493	Balance of Grundy County	4694	4697
Randalia	88	88	Guthrie County	11571	10935
St. Lucas	175	174	Adair (part)	66	64
Stanley (part)	0	0	Bagley	291	303
Wadena	226	236	Bayard	555	511
Waucoma	268	277	Casey (part)	434	426
Westgate	196	207	Coon Rapids (part)	0	
West Union	2577	2490	Guthrie Center	1599	1614
Balance of Fayette County	7560	7796	Jamaica	222	232
Floyd County	16353	17058	Menlo	360	356
Charles City	7521	7878	Panora	1165	1100
Colwell	87	94	Stuart (part)	1015	993
Floyd	334	359	Yale	221	220
Marble Rock	334	361	Balance of Guthrie County	5643	5116
Nora Springs	1472	1505	Hamilton County	16011	16071
Rockford	820	863	Blairsburg	283	269
Rudd	396	429	Ellsworth	464	451
Balance of Floyd County	5389	5569	Jewell Junction	1094	1106
Franklin County	10863	11364	Kamrar	193	203
Ackley (part)	61	54	Randall	148	161
Alexander	155	170	Stanhope	420	447
Coulter	231	252	Stratford (part)	697	679
Dows (part)	93	100	Webster City	7755	7894
Geneva	159	169	Williams	374	368
Hampton	3989	4133	Balance of Hamilton County	4583	4493
Hansell	81	83			
Latimer	394	430			
Popejoy	89	92			
Sheffield	1119	1174			
Balance of Franklin County	4492	4707			

Table 1. Population in Incorporated Places and Balance of the County in Iowa's Counties, 1990 and 1998 (cont.).

County/Place/Balance	1998	1990	County/Place/Balance	1998	1990
Hancock County	12044	12638	Humboldt County	10323	10756
Britt	2029	2133	Bode	330	335
Corwith	319	354	Bradgate	112	124
Crystal Lake	252	266	Dakota City	952	1024
Forest City (part)	421	355	Gilmore City (part)	289	319
Garner	2916	2916	Hardy	46	47
Goodell	188	201	Humboldt	4260	4438
Kanawha	704	763	Livermore	407	436
Klemme	530	587	Lu Verne (part)	54	54
Woden	238	259	Ottosen	71	72
Balance of Hancock County	4447	4804	Pioneer	46	46
			Renwick	255	287
Hardin County	18462	19094	Rutland	139	149
Ackley (part)	1574	1642	Thor	202	205
Alden	814	855	Balance of Humboldt County	3160	3220
Buckeye	104	105			
Eldora	2898	3038	Ida County	7912	8365
Hubbard	764	814	Arthur	252	272
Iowa Falls	5137	5435	Battle Creek	768	818
New Providence	240	240	Galva	367	398
Owasa	37	37	Holstein	1424	1449
Radcliffe	545	574	Ida Grove	2275	2357
Steamboat Rock	335	335	Balance of Ida County	2826	3071
Union	425	448			
Whitten	135	137	Iowa County	15550	14630
Balance of Hardin County	5454	5434	Ladora	322	308
			Marengo	2368	2270
Harrison County	15364	14730	Millersburg	186	188
Dunlap	1225	1251	North English (part)	980	932
Little Sioux	199	205	Parnell	209	209
Logan	1443	1401	Victor (part)	839	842
Magnolia	224	204	Williamsburg	2527	2174
Missouri Valley	2822	2888	Balance of Iowa County	8119	7707
Modale	295	289			
Mondamin	404	403	Jackson County	20078	19950
Persia	297	312	Andrew	381	319
Pisgah	292	268	Baldwin	133	137
Woodbine	1549	1500	Bellevue	2231	2239
Balance of Harrison County	6614	6009	La Motte	266	260
			Maquoketa	6049	6130
Henry County	19983	19226	Miles	408	409
Coppock (part)	34	33	Monmouth	172	169
Hillsboro	174	169	Preston	1012	1025
Mount Pleasant	8257	7959	Sabula	696	710
Mount Union	143	140	St. Donatus	151	145
New London	1907	1922	Spragueville	115	118
Olds	199	205	Springbrook	160	165
Rome	135	124	Zwingle (part)	10	10
Salem	473	453	Balance of Jackson County	8294	8060
Wayland	919	838			
Westwood	104	104	Jasper County	35961	34795
Winfield	1126	1051	Baxter	975	938
Balance of Henry County	6512	6228	Colfax	2429	2462
			Kellogg	639	626
Howard County	9689	9809	Lambs Grove	203	212
Chester	145	158	Lynnville	372	393
Cresco	3653	3669	Mingo	259	252
Elma	654	653	Monroe	1728	1739
Lime Springs	445	438	Newton	15371	14799
Protivin	301	305	Oakland Acres	186	152
Riceville (part)	326	334	Prairie City	1422	1366
Balance of Howard County	4165	4252	Reasnor	195	191
			Sully	827	841
			Valeria	76	69
			Balance of Jasper County	11279	10755

Table 1. Population in Incorporated Places and Balance of the County in Iowa's Counties, 1990 and 1998 (cont.).

County/Place/Balance	1998	1990	County/Place/Balance	1998	1990
Jefferson County	17113	16310	Kossuth County (continued)		
Batavia	571	520	Swea City	585	634
Coppock (part)	5	5	Titonka	570	612
Fairfield	10322	9768	Wesley	410	444
Libertyville	285	264	West Bend (part)	6	6
Lockridge	291	270	Whittemore	474	535
Packwood	220	208	Balance of Kossuth County	7405	7663
Pleasant Plain	136	128			
Balance of Jefferson County	5283	5147	Lee County	38471	38687
Johnson County	102724	96119	Donnellson	962	940
Coralville	12688	10347	Fort Madison	11332	11618
Hills	651	662	Franklin	154	152
Iowa City	60897	59735	Houghton	138	127
Lone Tree	1008	979	Keokuk	12179	12451
North Liberty	4562	2926	Montrose	1019	957
Oxford	641	663	St. Paul	122	120
Shueyville	226	223	West Point	1134	1079
Solon	1105	1050	Balance of Lee County	11431	11243
Swisher	732	645	Linn County	182651	168767
Tiffin	799	460	Alburnett	471	459
University Heights	929	1042	Bertram	243	201
Balance of Johnson County	18486	17387	Cedar Rapids	114563	108772
Jones County	20349	19444	Center Point	1848	1693
Anamosa	5594	5100	Central City	1102	1063
Cascade (part)	451	382	Coggon	659	645
Center Junction	167	166	Ely	904	517
Martelle	298	290	Fairfax	834	780
Monticello	3727	3522	Hiawatha	6670	4986
Morley	82	85	Lisbon	1715	1452
Olin	695	663	Marion	23777	20422
Onslow	211	216	Mount Vernon	3748	3657
Oxford Junction	576	581	Palo	594	514
Wyoming	664	659	Prairieburg	208	213
Balance of Jones County	7884	7780	Robins	1561	875
Keokuk County	11499	11624	Springville	1067	1068
Delta	418	409	Walford (part)	19	13
Gibson	66	63	Walker	675	673
Harper	151	147	Balance of Linn County	21993	20764
Hayesville	61	62	Louisa County	11938	11592
Hedrick	794	810	Columbus City	326	328
Keota	947	1000	Columbus Junction	1662	1616
Keswick	294	284	Cotter	53	53
Kinross	91	89	Fredonia	226	201
Martinsburg	149	157	Grandview	519	514
North English (part)	11	12	Letts	402	390
Ollie	219	207	Morning Sun	820	841
Richland	500	522	Oakville	445	442
Sigourney	2003	2111	Wapello	1983	2013
South English	228	224	Balance of Louisa County	5502	5194
Thornburg	93	91	Lucas County	9152	9070
Webster	94	103	Chariton	4463	4616
What Cheer	706	762	Derby	139	135
Balance of Keokuk County	4674	4571	Lucas	236	224
Kossuth County	17738	18591	Russell	563	531
Algona	5766	6015	Williamson	155	166
Bancroft	804	857	Balance of Lucas County	3596	3398
Burt	536	575	Lyon County	12012	11952
Fenton	316	346	Alvord	202	204
Lakota	272	281	Doon	495	476
Ledyard	150	164	George	1038	1066
Lone Rock	179	185	Inwood	818	824
Lu Verne (part)	265	274	Larchwood	835	739
			Lester	257	257

Table 1. Population in Incorporated Places and Balance of the County in Iowa's Counties, 1990 and 1998 (cont.).

County/Place/Balance	1998	1990	County/Place/Balance	1998	1990
Lyon County (continued)			Mitchell County	11012	10928
Little Rock	478	493	Carpenter	105	102
Rock Rapids	2605	2601	McIntire	150	147
Balance of Lyon County	5284	5292	Mitchell	164	170
			Orchard	96	93
Madison County	13872	12483	Osage	3421	3439
Bevington (part)	50	44	Riceville (part)	476	493
Earlham	1259	1157	St. Ansgar	1050	1063
East Peru	143	132	Stacyville	492	481
Macksburg	120	110	Balance of Mitchell County	5058	4940
Patterson	145	128			
St. Charles	628	537	Monona County	10110	10034
Truro	389	391	Blencoe	240	250
Winterset	4685	4196	Castana	162	159
Balance of Madison County	6453	5788	Mapleton	1230	1294
			Moorhead	235	259
Mahaska County	21901	21532	Onawa	2879	2936
Barnes City (part)	187	198	Rodney	74	71
Beacon	563	509	Soldier	207	205
Eddyville (part)	201	188	Turin	96	95
Fremont	724	701	Ute	373	395
Keomah Village	103	99	Whiting	831	683
Leighton	141	142	Balance of Monona County	3783	3687
New Sharon	1124	1136			
Oskaloosa	10673	10600	Monroe County	8041	8114
Rose Hill	176	171	Albia	3767	3870
University Park	597	598	Eddyville (part)	2	2
Balance of Mahaska County	7412	7190	Lovilia	545	566
			Melrose	142	150
Marion County	31357	30001	Balance of Monroe County	3585	3526
Bussey	550	494			
Hamilton	129	115	Montgomery County	11910	12076
Harvey	271	235	Coburg	60	58
Knoxville	8164	8232	Elliott	382	399
Marysville	75	65	Grant	118	123
Melcher-Dallas	1292	1302	Red Oak	6227	6264
Pella	9525	9270	Stanton	700	692
Pleasantville	1574	1536	Villisca	1301	1332
Swan	88	76	Balance of Montgomery County	3122	3208
Balance of Marion County	9689	8676			
			Muscatine County	41126	39907
Marshall County	38732	38276	Atalissa	356	357
Albion	573	585	Conesville	374	334
Clemons	176	173	Durant (part)	7	7
Ferguson	173	166	Fruitland	672	511
Gilman	586	586	Muscatine	22932	22881
Haverhill	150	144	Nichols	353	366
Laurel	280	271	Stockton	184	187
Le Grand	915	854	Walcott (part)	2	0
Liscomb	273	258	West Liberty	2960	2935
Marshalltown	25201	25178	Wilton (part)	2688	2573
Melbourne	666	669	Balance of Muscatine County	10598	9756
Rhodes	266	272			
St. Anthony	118	112	O'Brien County	14910	15444
State Center	1319	1248	Archer	134	145
Balance of Marshall County	8036	7760	Calumet	154	160
			Hartley	1550	1632
Mills County	14477	13202	Moneta	26	29
Emerson	486	476	Paullina	1065	1134
Glenwood	5244	4960	Primghar	901	950
Hastings	196	187	Sanborn	1372	1345
Henderson	225	206	Sheldon (part)	4841	4833
Malvern	1348	1210	Sutherland	675	714
Pacific Junction	607	548	Balance of O'Brien County	4192	4502
Silver City	261	252			
Tabor (part)	99	93			
Balance of Mills County	6011	5270			

Table 1. Population in Incorporated Places and Balance of the County in Iowa's Counties, 1990 and 1998 (cont.).

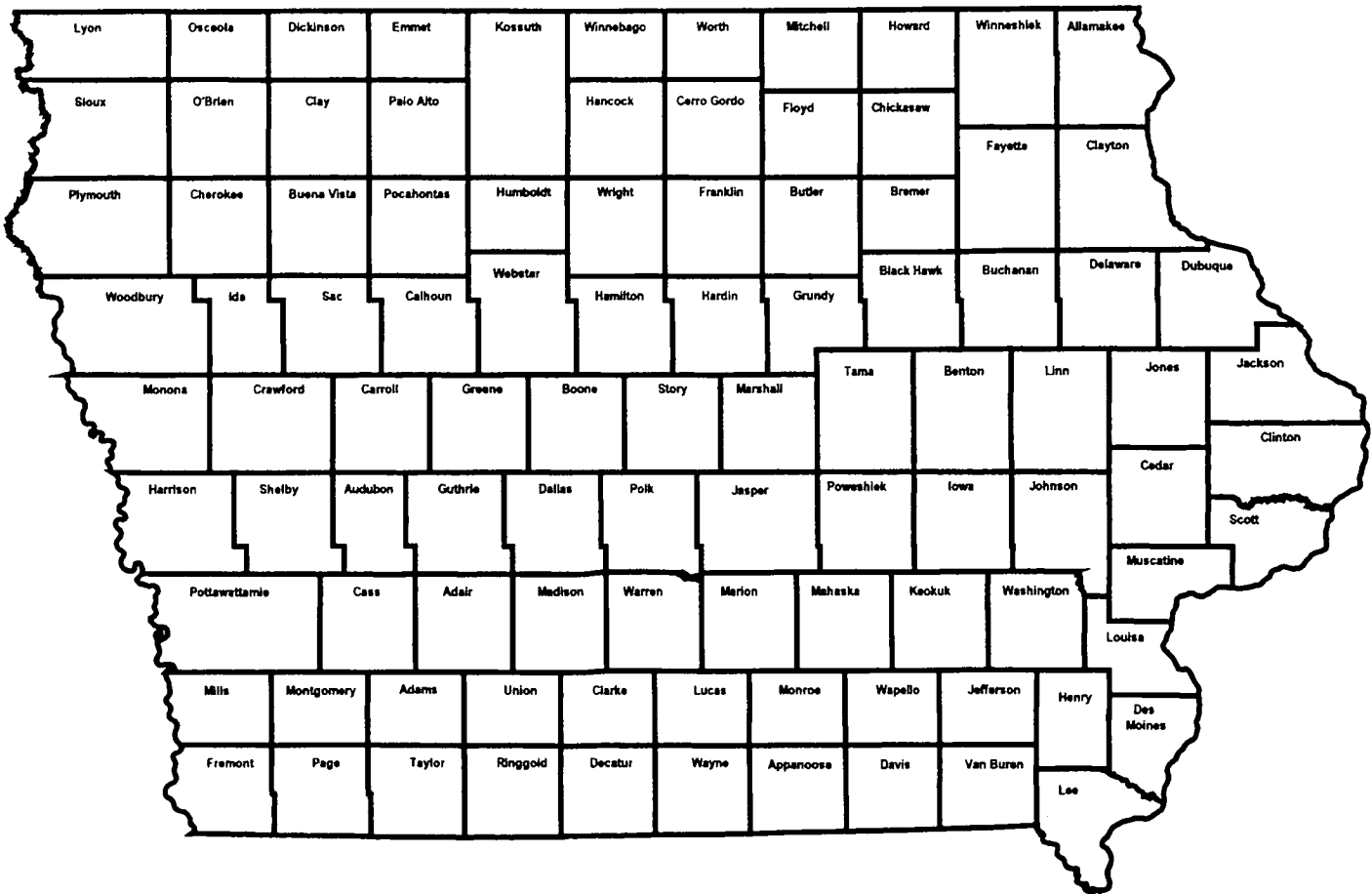
County/Place/Balance	1998	1990	County/Place/Balance	1998	1990
Osceola County	6980	7267	Polk County (continued)		
Ashton	425	462	Clive	11081	7462
Harris	156	170	Des Moines	191293	193189
Melvin	238	250	Elkhart	434	388
Ocheyedan	502	539	Grimes	3725	2653
Sibley	2754	2815	Johnston	6906	4702
Balance of Osceola County	2905	3031	Mitchellville	1984	1670
Page County	17269	16870	Pleasant Hill	4868	3671
Blanchard	66	67	Polk City	2223	1908
Braddyville	224	219	Runnells	326	306
Clarinda	5725	5104	Sheldahl (part)	120	122
Coin	259	278	Urbandale	27800	23500
College Springs	228	230	West Des Moines (part)	41810	31695
Essex	874	916	Windsor Heights	4977	5190
Hepburn	41	41	Balance of Polk County	25297	23031
Northboro	80	78	Pottawattamie County	86174	82628
Shambaugh	191	190	Avoca	1459	1497
Shenandoah (part)	5402	5572	Carson	706	705
Yorktown	98	100	Carter Lake	3458	3200
Balance of Page County	4081	4075	Council Bluffs	56312	54315
Palo Alto County	10017	10669	Crescent	458	469
Ayrshire	178	195	Hancock	216	201
Curlew	52	56	Macedonia	264	262
Cylinder	102	112	McClelland	148	139
Emmetsburg	3687	3940	Minden	564	539
Graettinger	779	813	Neola	903	909
Mallard	338	360	Oakland	1477	1496
Rodman	54	56	Shelby (part)	69	67
Ruthven	653	707	Treynor	949	897
West Bend (part)	792	856	Underwood	588	515
Balance of Palo Alto County	3382	3574	Walnut	900	857
Plymouth County	24825	23388	Balance of Pottawattamie County	17703	16560
Akron	1445	1450	Poweshiek County	18865	19033
Brunsville	157	137	Barnes City (part)	22	23
Craig	123	116	Brooklyn	1389	1439
Hinton	805	697	Deep River	336	345
Kingsley	1280	1129	Grinnell	8744	8902
Le Mars	8922	8454	Guernsey	70	70
Merrill	754	729	Hartwick	113	115
Oyens	123	113	Malcom	437	447
Remsen	1674	1513	Montezuma	1609	1651
Struble	70	67	Searsboro	164	164
Westfield	158	160	Victor (part)	127	124
Balance of Plymouth County	9314	8823	Balance of Poweshiek County	5854	5753
Pocahontas County	8777	9525	Ringgold County	5354	5420
Fonda	666	731	Beaconsfield	28	27
Gilmore City (part)	222	241	Benton	40	39
Havelock	198	217	Clearfield (part)	9	10
Laurens	1488	1550	Delphos	24	23
Palmer	208	230	Diagonal	300	298
Plover	89	101	Ellston	43	44
Pocahontas	1957	2085	Kellerton	321	314
Rolfe	649	721	Maloy	35	36
Varina	91	102	Mount Ayr	1677	1796
Balance of Pocahontas County	3209	3547	Redding	119	119
Polk County	359826	327140	Shannon City (part)	5	5
Alleman	367	340	Tingley	179	179
Altoona	9567	7242	Balance of Ringgold County	2574	2530
Ankeny	25086	18482	Sac County	11931	12324
Bondurant	1794	1584	Auburn	282	283
Carlisle (part)	168	5	Early	604	649
			Lake View	1243	1303

Table 1. Population in Incorporated Places and Balance of the County in Iowa's Counties, 1990 and 1998 (cont.).

County/Place/Balance	1998	1990	County/Place/Balance	1998	1990
Sac County (continued)			Story County (continued)		
Lytton (part)	255	278	Huxley	2057	2047
Nemaha	100	112	Kelley	229	246
Odebolt	1090	1158	Maxwell	712	788
Sac City	2368	2516	McCallsburg	260	292
Schaller	773	768	Nevada	6126	6009
Wall Lake	842	875	Roland	1017	1035
Balance of Sac County	4374	4382	Sheldahl (part)	163	171
Scott County	158591	150973	Slater	1259	1268
Bettendorf	31737	28139	Story City	2884	2959
Blue Grass	1264	1214	Zearing	556	614
Buffalo	1305	1250	Balance of Story County	8904	8889
Davenport	96842	95333	Tama County	17739	17419
Dixon	239	228	Chelsea	314	336
Donahue	337	316	Clutier	221	219
Durant (part)	6	2	Dysart	1233	1230
Eldridge	3938	3378	Elberon	206	203
Le Claire	2920	2734	Garwin	531	533
Long Grove	640	605	Gladbrook	851	881
Maysville	165	170	Lincoln	168	173
McCausland	328	308	Montour	333	312
New Liberty	149	139	Tama	2808	2697
Panorama Park	123	127	Toledo	2451	2380
Princeton	942	904	Traer	1536	1552
Riverdale	449	419	Vining	77	78
Walcott (part)	1469	1356	Balance of Tama County	7010	6825
Balance of Scott County	15738	14351	Taylor County	7153	7114
Shelby County	12978	13230	Athelstan	33	31
Defiance	302	312	Bedford	1452	1528
Earling	455	466	Blockton	219	213
Elk Horn	658	672	Clearfield (part)	384	407
Harlan	5128	5148	Conway	61	57
Irwin	379	394	Gravity	223	218
Kirkman	94	98	Lenox (part)	1291	1303
Panama	208	201	New Market	476	454
Portsmouth	212	209	Sharpsburg	108	116
Shelby (part)	559	570	Balance of Taylor County	2906	2787
Tennant	77	78	Union County	12554	12750
Westphalia	135	144	Afton	951	953
Balance of Shelby County	4771	4938	Arispe	91	92
Sioux County	31280	29903	Creston	7654	7911
Alton	1104	1063	Cromwell	119	120
Boyden	665	651	Kent	65	65
Chatsworth	103	103	Lorimor	387	377
Granville	292	298	Shannon City (part)	92	92
Hawarden	2423	2439	Thayer	79	79
Hospers	671	643	Balance of Union County	3125	3061
Hull	1800	1724	Van Buren County	7886	7676
Ireton	601	597	Birmingham	413	386
Matlock	90	92	Bonaparte	446	465
Maurice	299	243	Cantril	280	271
Orange City	5382	4940	Farmington	604	655
Rock Valley	2707	2540	Keosauqua	1013	1020
Sheldon (part)	97	71	Milton	528	506
Sioux Center	5848	5074	Mount Sterling	58	53
Balance of Sioux County	9198	9425	Stockport	268	260
Story County	75268	74252	Balance of Van Buren County	4276	4060
Ames	48415	47198	Wapello County	35440	35696
Cambridge	676	714	Agency	617	616
Collins	419	455	Blakesburg	326	333
Colo	751	771	Chillicothe	123	119
Gilbert	840	796			

Table 1. Population in Incorporated Places and Balance of the County in Iowa's Counties, 1990 and 1998 (cont.).

County/Place/Balance	1998	1990	County/Place/Balance	1998	1990
Wapello County (continued)			Winnebago County	11931	12122
Eddyville (part)	904	846	Buffalo Center	1046	1081
Eldon	1029	1070	Forest City (part)	4074	4075
Kirkville	182	177	Lake Mills	2187	2143
Ottumwa	23854	24488	Leland	305	311
Balance of Wapello County	8405	8047	Rake	225	238
			Scarville	90	92
Warren County	40196	36033	Thompson	471	498
Ackworth	66	66	Balance of Winnebago County	3533	3684
Bevington (part)	22	23			
Carlisle (part)	3414	3236	Winneshiek County	20934	20847
Cumming	147	132	Calmar	1067	1026
Hartford	808	768	Castalia	175	177
Indianola	13023	11340	Decorah	8309	8063
Lacona	367	357	Fort Atkinson	372	367
Martensdale	496	491	Jackson Junction	85	87
Milo	839	864	Ossian	800	810
New Virginia	443	433	Ridgeway	298	295
Norwalk	6678	5726	Spillville	379	387
St. Marys	110	113	Balance of Winneshiek County	9449	9635
Sandyville	64	59			
Spring Hill	92	86	Woodbury County	101672	98276
Balance of Warren County	13627	12339	Anthon	635	638
			Bronson	233	209
Washington County	20967	19612	Correctionville	906	897
Ainsworth	551	506	Cushing	235	241
Brighton	698	684	Danbury	418	430
Coppock (part)	12	12	Hornick	226	222
Crawfordsville	279	265	Lawton	637	482
Kalona	2284	1942	Moville	1427	1306
Riverside	920	824	Oto	140	118
Washington	7304	7074	Pierson	331	341
Wellman	1159	1085	Salix	379	367
West Chester	193	178	Sergeant Bluff	3095	2772
Balance of Washington County	7567	7042	Sioux City	82697	80505
			Sloan	1014	938
Wayne County	6659	7067	Smithland	271	252
Allerton	597	599	Balance of Woodbury County	9028	8558
Clio	100	103			
Corydon	1445	1675	Worth County	7779	7991
Humeston	549	553	Fertile	354	382
Lineville	289	289	Grafton	280	282
Millerton	44	44	Hanlontown	190	193
Promise City	128	132	Joice	242	245
Seymour	735	869	Kensett	273	298
Balance of Wayne County	2772	2803	Manly	1274	1349
			Northwood	1911	1940
Webster County	38705	40342	Balance of Worth County	3255	3302
Badger	550	569			
Barnum	169	174	Wright County	14003	14269
Callender	365	384	Belmond	2447	2500
Clare	168	183	Clarion	2676	2703
Dayton	762	818	Dows (part)	525	560
Duncombe	474	488	Eagle Grove	3561	3671
Farnhamville (part)	0	0	Galt	42	43
Fort Dodge	24738	25894	Goldfield	682	710
Gowrie	969	1028	Rowan	186	189
Harcourt	281	306	Woolstock	212	212
Lehigh	529	536	Balance of Wright County	3672	3681
Moorland	192	209			
Otho	535	529			
Stratford (part)	34	36			
Vincent	170	185			
Balance of Webster County	8769	9003			



Historical Trends of the Population in Iowa's Counties: 1850-1990

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The population in Iowa's counties has been counted every 10 years by the U.S. Bureau of the Census. Iowa's first census occurred in 1850 following statehood in 1846.

1850 to 1900

In 1850, much of Iowa was only sparsely settled; 50 of today's counties had no population reported for that year (Table 1). Those 50 counties were in the west and north parts of the state such that a line drawn between the southwest and northeast corners of the state would serve to separate the area where residents were counted from that where they were not. Iowa's 192,214 people were highly concentrated in the southeast. Indeed, more than 54,000 lived in just four counties (Des Moines, Jefferson, Lee, Van Buren) and another 10,841 lived in Dubuque. At the same time, many counties had fewer than a thousand people.

By 1860, settlement had spread across almost the entire state and the population had increased by more than 480,000 (Table 2) from the previous census, a gain of 251 percent (Table 3). Only Lyon and Osceola, two counties in the northwest corner of the state, had no reported population. During the decade of the 1850s, counties in eastern Iowa experienced relatively great growth. Dubuque gained more than 20,000 people; Scott gained nearly that many (Table 2). Because populations in 1850 were small, 12 counties experienced growth rates of more than a thousand percent in the next 10 years. By 1860, 29 counties had populations of more than 10,000, with all counties increasing from 1850 to 1860 with the exception of Pottawattamie.

Growth continued through the decade of the 1860s. The state gained more than 500,000 (+76.9%) in the 10-year span and the total population in 1870 topped the one million mark. All counties gained during the decade, with the exception of Osceola, which still did not have any inhabitants listed in the census. By 1870, only five other counties remained under 1,000 in population, with most of these in the northwest. Fifty-two counties were over the 10,000 population mark, with five of these over 30,000. The highest populations were in Dubuque and Scott, each of which had more than 38,000. During the 1860s, counties with the highest growth rates were in the western areas of the state rather than in eastern Iowa as earlier. This reflected the gradual westward direction of settlement across the state.

People were first counted in Osceola County in the 1880 census, completing settlement across the state. All counties had at least 1,500 residents and three (Dubuque, Polk, Scott) had moved past 41,000. This was the first time Polk was among the three most populous counties. The state reached 1,624,615 by 1880. During the 1870s, the counties with increases of at least 10,000 were Cass, Pottawattamie, Polk, and Shelby. The five counties with at least 500 percent growth all were in western Iowa. An additional indication of the shift in population was seen in the losses experienced by five southeastern counties.

Twenty-seven counties lost population from 1880 to 1890 with most in the eastern or southern areas of Iowa. The state population as a whole, however, continued to grow (+17.7%), reaching 1,912,297 by 1890. All counties had at least 4,200 residents, and seven were above 40,000. The largest numbers were in Polk (65,410) and Woodbury (55,632). Woodbury had gained more than 40,000 during the decade and, for the first time, Polk became the most populous county. Of the 16 counties that more than doubled population during the decade, 14 were in the western section of the state.

At the turn of the century, Iowa reached a milestone of more than two million people. Only three counties (Dickinson, Emmet, Osceola) remained under 10,000 in 1900. Polk, with 82,624, had more residents than any other county, although five others were over 50,000. Woodbury was the only one to lose population between 1890 and 1900.

Overall, the last half of the 1800s saw Iowa go from a sparsely- to a fully-settled state with a gain of more than two million people (Table 4). It was a time of generalized population growth shared by all the counties across the state. Two-thirds (67) of the counties gained population during each of the five decades and only four (Cedar, Henry, Jefferson, Van Buren) lost during more than one decade.

1900 to 1950

The turn of the century marked a significant change for Iowa's population (Figures 1, 2). The generalized growth of the previous 50 years came to a halt. In the decade from 1900 to 1910, Iowa experienced a population loss of 7,082. Although small in number and proportion (-0.3%), it was the first decade loss for the state. The decline was widespread among Iowa's counties; 71 had fewer residents in 1910 than in 1900. Mahaska decreased by more than 4,000 people; Keokuk, Lee, and Union dropped by more than 3,000. In percentage terms, Adams lost more than 19 percent of its population, while Fremont, Keokuk, Lucas, Ringgold, and Union declined by more than 15 percent. Such widespread losses were unprecedented in the state's history. In contrast, 28 counties gained during the period. The greatest percentage growth generally occurred in counties with large cities (Black Hawk, +38.5%; Polk, +33.7%; Woodbury, +23.8%), although Monroe was highest (+41.4%). Polk increased by more than 27,000 during that decade and both Black Hawk and Woodbury each added at least 12,000 residents. Polk became the first Iowa county with more than 100,000 residents. The total population for the state in 1910 stood at 2,224,771.

The state rebounded from its 1900-1910 losses during the next decade (1910-1920) by gaining more than 179,000 people (+8.1%). Although 27 counties lost population during the 1910-1920 period, this was a much smaller number than the previous decade; also, the percentage declines tended to be lower. Mahaska dropped more than any other county in both numbers and proportion (-3,590, -12.0%); it was the only county with a decline greater than 10 percent. The counties showing losses tended to be in the east, south, and west central areas of the state. Counties with large cities continued the growth trend started earlier. Polk gained more than 43,000 to put its population above 154,000; it remained the only county with a population exceeding 100,000. For the first time, all counties had at least 10,000 residents; seven had 50,000 or more inhabitants.

In 1930, Iowa's population reached 2,470,939, an increase of 2.8 percent since 1920. Even though the state was growing, nearly half (48) of the counties declined. Monroe dropped by 8,457 people, a 36.0 percent loss. It experienced the highest losses in both numbers and percent, although five other southern-border counties (Appanoose, Davis, Decatur, Van Buren, Wayne) also declined more than 10 percent. Of the 51 counties that grew during the decade, the greatest percentage gains were in Black Hawk (+22.2%), Story (+18.9%), and Jasper (+18.2%). Woodbury joined Polk in having a total population of more than 100,000.

In the 1930s, the trends from the 1920s continued; that is, the state's population increased, but many counties (43) decreased. The greatest declines were in two western counties, Pottawattamie (-3,132) and Harrison (-2,130). Harrison also had the greatest percentage loss (-8.6%) for the decade. Polk (+22,998) and Black Hawk (+10,800) continued their gains as did most counties with large cities other than Pottawattamie. Black Hawk's percentage gain of 15.6 percent was the highest of any county.

The 1940s witnessed World War II and ushered in the post-war era. Once again, the state grew, this time by more than 82,000 residents. However, two-thirds (67) of the counties lost population, most at higher rates than in the 1930s. Thirteen counties had declines greater than 10 percent; four of these (Appanoose, Fremont, Lucas, Monroe) exceeded 15 percent. Counties with the highest percentage losses were located in the southern and west central parts of the state. Four counties (Adams, Clarke, Davis, Ringgold) dropped below 10,000 in population, the first time any of these had been that low since

Table 1. Population in Iowa's Counties, 1850-1990.

County	1990	1980	1970	1960	1950	1940	1930	1920	1910	1900	1890	1880	1870	1860	1850
Adair	8409	9509	9487	10893	12292	13196	13891	14259	14420	16192	14534	11667	3982	984	*
Adams	4866	5731	6322	7468	8753	10156	10437	10521	10998	13601	12292	11888	4614	1533	*
Allamakee	13855	15108	14968	15982	16351	17184	16328	17285	17328	18711	17907	19791	17868	12237	777
Appanoose	13743	15511	15007	16015	19683	24245	24835	30535	28701	25927	18961	16636	16456	11931	3131
Audubon	7334	8559	9595	10919	11579	11790	12264	12520	12671	13626	12412	7448	1212	454	*
Benton	22429	23649	22885	23422	22656	22879	22851	24080	23156	25177	24178	24888	22454	8496	672
Black Hawk	123798	137961	132916	122482	100448	79946	69146	56570	44865	32399	24219	23913	21706	8244	135
Boone	25186	26184	26470	28037	28139	29782	29271	29892	27626	28200	23772	20838	14584	4232	735
Bremer	22813	24820	22737	21108	18884	17932	17046	16728	15843	16305	14630	14081	12528	4915	*
Buchanan	20844	22900	21762	22293	21927	20991	19550	19890	19748	21427	18997	18546	17034	7906	517
Buena Vista	19965	20774	20693	21189	21113	19838	18667	18556	15981	16975	13548	7537	1585	57	*
Butler	15731	17668	16953	17467	17394	17986	17617	17845	17119	17955	15463	14293	9951	3724	*
Calhoun	11508	13542	14292	15923	16925	17584	17605	17783	17090	18569	13107	5595	1602	147	*
Carroll	21423	22951	22912	23431	23065	22770	22326	21549	20117	20319	18828	12351	2451	281	*
Cass	15128	16932	17007	17919	18532	18647	19422	19421	19047	21274	19645	16943	5464	1612	*
Cedar	17444	18635	17655	17791	16910	16884	16760	17560	17765	19371	18253	18936	19731	12949	3941
Cerro Gordo	46733	48458	49223	49894	46053	43845	38476	34675	25011	20672	14864	11461	4722	940	*
Cherokee	14098	16238	17269	18598	19052	19258	18737	17760	16741	16570	15659	8240	1967	58	*
Chickasaw	13295	15437	14969	15034	15228	15227	14637	15431	15375	17037	15019	14534	10180	4336	*
Clarke	8287	8612	7581	8222	9369	10233	10384	10506	10736	12440	11332	11513	8735	5427	79
Clay	17585	19576	18464	18504	18103	17762	16107	15660	12766	13401	9309	4248	1523	52	*
Clayton	19054	21098	20606	21962	22522	24334	24559	25032	25576	27750	26733	28829	27771	20728	3873
Clinton	51040	57122	56749	55060	49664	44722	44377	43371	45394	43832	41199	36763	35357	18938	2822
Crawford	16775	18935	19116	18569	19741	20538	21028	20614	20041	21685	18894	12413	2530	383	*
Dallas	29755	29513	26085	24123	23661	24649	25493	25120	23628	23058	20479	18746	12019	5244	854
Davis	8312	9104	8207	9199	9959	11136	11150	12574	13315	15620	15258	16468	15565	13764	7264
Decatur	8338	9794	9737	10539	12601	14012	14903	16566	16347	18115	15643	15336	12018	8677	965
Delaware	18035	18933	18770	18483	17734	18487	18122	18183	17888	19185	17349	17950	17432	11024	1759
Des Moines	42614	46203	46982	44605	42056	36804	38162	35520	36145	35989	35324	33099	27256	19611	12988
Dickinson	14909	15629	12565	12574	12756	12185	10982	10241	8137	7995	4328	1901	1389	180	*
Dubuque	86403	93745	90609	80048	71337	63768	61214	58262	57450	56403	49848	42996	38969	31164	10841
Emmet	11569	13336	14009	14871	14102	13406	12856	12627	9816	9936	4274	1550	1392	105	*
Fayette	21843	25488	26898	28581	28294	29151	29145	29251	27919	29845	23141	22258	16973	12073	825

*County not officially organized as of this census.

Table 1. Population in Iowa's Counties, 1850-1990 (continued).

County	1990	1980	1970	1960	1950	1940	1930	1920	1910	1900	1890	1880	1870	1860	1850
Floyd	17058	19597	19860	21102	21505	20169	19524	18860	17119	17754	15424	14677	10768	3744	*
Franklin	11364	13036	13255	15472	16268	16379	16382	15807	14780	14996	12871	10249	4738	1309	*
Fremont	8226	9401	9282	10282	12323	14645	15533	15447	15623	18546	16842	17652	11174	5074	1244
Greene	10045	12119	12716	14379	15544	16599	16528	16467	16023	17820	15797	12727	4627	1374	*
Grundy	12029	14366	14119	14132	13722	13518	14133	14420	13574	13757	13215	12639	6399	793	*
Guthrie	10935	11983	12243	13607	15197	17210	17324	17596	17374	18729	17380	14394	7061	3058	*
Hamilton	16071	17862	18383	20032	19660	19922	20978	19531	19242	19514	15319	11252	6055	1699	*
Hancock	12638	13833	13506	14604	15077	15402	14802	14723	12731	13752	7621	3453	999	179	*
Hardin	19094	21776	22248	22533	22218	22530	22947	23337	20921	22794	19003	17807	13684	5440	*
Harrison	14730	16348	16240	17600	19560	22767	24897	24488	23162	25597	21356	16649	8931	3621	*
Henry	19226	18890	18114	18187	18708	17994	17660	18298	18640	20022	18895	20986	21463	18701	8707
Howard	9809	11114	11442	12734	13105	13531	13082	13705	12920	14512	11182	10837	6282	3168	*
Humboldt	10756	12246	12519	13156	13117	13459	13202	12951	12182	12667	9836	5341	2596	332	*
Ida	8365	8908	9283	10269	10697	11047	11933	11689	11296	12327	10705	4382	226	43	*
Iowa	14630	15429	15419	16396	15835	17016	17332	18600	18409	19544	18270	19221	16644	8029	822
Jackson	19950	22503	20839	20754	18622	19181	18481	19931	21258	23615	22771	23771	22619	18493	7210
Jasper	34795	36425	35425	35282	32305	31496	32936	27855	27034	26976	24943	25963	22116	9883	1280
Jefferson	16310	16316	15774	15818	15696	15762	16241	16440	15951	17437	15184	17469	17839	15038	9904
Johnson	96119	81717	72127	53663	45756	33191	30276	26462	25914	24817	23082	25429	24898	17573	4472
Jones	19444	20401	19868	20693	19401	19950	19206	18607	19050	21954	20233	21052	19731	13306	3007
Keokuk	11624	12921	13943	15492	16797	18406	19148	20983	21160	24979	23862	21258	19434	13271	4822
Kossuth	18591	21891	22937	25314	26241	26630	25452	25082	21971	22720	13120	6178	3351	416	*
Lee	38687	43106	42996	44207	43102	41074	41268	39676	36702	39719	37715	34859	37210	29232	18861
Linn	168767	169775	163213	136899	104274	89142	82336	74004	60720	55392	45303	37237	31080	18947	5444
Louisa	11592	12055	10682	10290	11101	11384	11575	12179	12855	13516	11873	13142	12877	10370	4939
Lucas	9070	10313	10163	10923	12069	14571	15114	15686	13462	16126	14563	14530	10388	5766	471
Lyon	11952	12896	13340	14468	14697	15374	15293	15431	14624	13165	8680	1968	221	*	*
Madison	12483	12597	11558	12295	13131	14525	14331	15020	15621	17710	15977	17224	13884	7339	1179
Mahaska	21532	22867	22177	23602	24672	26485	25804	26270	29860	34273	28805	25202	22508	14816	5989
Marion	30001	29669	26352	25886	25930	27019	25727	24957	22995	24159	23058	25111	24436	16813	5482
Marshall	38276	41652	41076	37984	35611	35406	33727	32630	30279	29991	25842	23752	17576	6015	338
Mills	13202	13406	11832	13050	14064	15064	15866	15422	15811	16764	14548	14137	8718	4481	*
Mitchell	10928	12329	13108	14043	13945	14121	14065	13921	13435	14916	13299	14363	9582	3409	*

Table 1. Population in Iowa's Counties, 1850-1990 (continued).

County	1990	1980	1970	1960	1950	1940	1930	1920	1910	1900	1890	1880	1870	1860	1850
Monona	10034	11692	12069	13916	16303	18238	18213	17125	16633	17980	14515	9055	3654	832	*
Monroe	8114	9209	9357	10463	11814	14553	15010	23467	25429	17985	13666	13719	12724	8612	2884
Montgomery	12076	13413	12781	14467	15685	15697	16752	17048	16604	17803	15848	15895	5934	1256	*
Muscatine	39907	40436	37181	33840	32148	31296	29385	29042	29505	28242	24504	23170	21688	16444	5731
O'Brien	15444	16972	17522	18840	18970	19293	18409	19051	17262	16985	13060	4155	715	8	*
Osceola	7267	8371	8555	10064	10181	10607	10182	10223	8956	8725	5574	2219	*	*	*
Page	16870	19063	18537	21023	23921	24887	25904	24137	24002	24187	21341	19667	9975	4419	551
Palo Alto	10669	12721	13289	14736	15891	16170	15398	15486	13845	14354	9318	4131	1336	132	*
Plymouth	23388	24743	24322	23906	23252	23502	24159	23584	23129	22209	19568	8566	2199	148	*
Pocahontas	9525	11369	12793	14234	15496	16266	15687	15602	14808	15339	9553	3713	1446	103	*
Polk	327140	303170	286130	266315	226010	195835	172837	154029	110438	82624	65410	42395	27857	11625	4513
Pottawattamie	82628	86561	86991	83102	69682	66756	69888	61550	55832	54336	47430	39850	16893	4968	7828
Poweshiek	19033	19306	18803	19300	19344	18758	18727	19910	19589	19414	18394	18936	15581	5668	615
Ringgold	5420	6112	6373	7910	9528	11137	11966	12919	12904	15325	13556	12085	5691	2923	*
Sac	12324	14118	15573	17007	17518	17639	17641	17500	16555	17639	14522	8774	1411	246	*
Scott	150973	160022	142687	119067	100698	84748	77332	73952	60000	51558	43164	41266	38599	25959	5986
Shelby	13230	15043	15528	15825	15942	16720	17131	16065	16552	17932	17611	12696	2540	818	*
Sioux	29903	30813	27996	26375	26381	27209	26806	26458	25248	23337	18370	5426	576	10	*
Story	74252	72326	62783	49327	44294	33434	31141	26185	24083	23159	18127	16906	11651	4051	*
Tama	17419	19533	20147	21413	21688	22428	21987	21861	22156	24585	22052	21585	16131	5285	8
Taylor	7114	8353	8790	10288	12420	14258	14859	15514	16312	18784	16384	15635	6989	3590	204
Union	12750	13858	13557	13712	15651	16280	17435	17268	16616	19928	16900	14980	5986	2012	*
Van Buren	7676	8626	8643	9778	11007	12053	12603	14060	15020	17354	16253	17043	17672	17081	12270
Wapello	35696	40241	42149	46126	47397	44280	40480	37937	37743	35426	30426	25285	22346	14518	8471
Warren	36033	34878	27432	20829	17758	17695	17700	18047	18194	20376	18269	19578	17980	10281	961
Washington	19612	20141	18967	19406	19557	20055	19822	20421	19925	20718	18468	20374	18952	14235	4957
Wayne	7067	8199	8405	9800	11737	13308	13787	15378	16184	17491	15670	16127	11287	6409	340
Webster	40342	45953	48391	47810	44241	41521	40425	37611	34629	31757	21582	15951	10484	2504	*
Winnebago	12122	13010	12990	13099	13450	13972	13143	13489	11914	12725	7325	4917	1562	168	*
Winneshiek	20847	21876	21758	21651	21639	22263	21630	22091	21729	23731	22528	23938	23570	13942	546
Woodbury	98276	100884	103052	107849	103917	103627	101669	92171	67616	54610	55632	14996	6172	1119	*
Worth	7991	9075	8984	10259	11068	11449	11164	11630	9950	10887	9247	7953	2892	756	*
Wright	14269	16319	17294	19447	19652	20038	20216	20348	17951	18227	12057	5062	2392	653	*
State of Iowa	2776831	2913808	2825368	2757537	2621073	2538268	2470939	2404021	2224771	2231853	1912297	1624615	1194020	674913	192214
United States		226542199		179323175		131669275		105710620		75994575		50155783		31443321	
	248718301		203302031		151325798		122775046		91972266		62947714		39818449		23191876

Table 2. Population Change in Iowa's Counties, 1850-1990.

County	1980- 1990	1970- 1980	1960- 1970	1950- 1960	1940- 1950	1930- 1940	1920- 1930	1910- 1920	1900- 1910	1890- 1900	1880- 1890	1870- 1880	1860- 1870	1850- 1860
Adair	-1100	22	-1406	-1399	-904	-695	-368	-161	-1772	1658	2867	7685	2998	984*
Adams	-865	-591	-1146	-1285	-1403	-281	-84	-477	-2603	1309	404	7274	3081	1533*
Allamakee	-1253	140	-1014	-369	-833	856	-957	-43	-1383	804	-1884	1923	5631	11460
Appanoose	-1768	504	-1008	-3668	-4562	-590	-5700	1834	2774	6966	2325	180	4525	8800
Audubon	-1225	-1036	-1324	-660	-211	-474	-256	-151	-955	1214	4964	6236	758	454*
Benton	-1220	764	-537	766	-223	28	-1229	924	-2021	999	-710	2434	13958	7824
Black Hawk	-14163	5045	10434	22034	20502	10800	12576	11705	12466	8180	306	2207	13462	8109
Boone	-998	-286	-1567	-102	-1643	511	-621	2266	-574	4428	2934	6254	10352	3497
Bremer	-2007	2083	1629	2224	952	886	318	885	-462	1675	549	1553	7613	4915*
Buchanan	-2056	1138	-531	366	936	1441	-340	142	-1679	2430	451	1512	9128	7389
Buena Vista	-809	81	-496	76	1275	1171	111	2575	-994	3427	6011	5952	1528	57*
Butler	-1937	715	-514	73	-592	369	-228	726	-836	2492	1170	4342	6227	3724*
Calhoun	-2034	-750	-1631	-1002	-659	-21	-178	693	-1479	5462	7512	3993	1455	147*
Carroll	-1528	39	-519	366	295	444	777	1432	-202	1491	6477	9900	2170	281*
Cass	-1804	-75	-912	-613	-115	-775	1	374	-2227	1629	2702	11479	3852	1612*
Cedar	-1191	980	-136	881	26	124	-800	-205	-1606	1118	-683	-795	6782	9008
Cerro Gordo	-1725	-765	-671	3841	2208	5369	3801	9664	4339	5808	3403	6739	3782	940*
Cherokee	-2140	-1031	-1329	-454	-206	521	977	1019	171	911	7419	6273	1909	58*
Chickasaw	-2142	468	-65	-194	1	590	-794	56	-1662	2018	485	4354	5844	4336*
Clarke	-325	1031	-641	-1147	-864	-151	-122	-230	-1704	1108	-181	2778	3308	5348
Clay	-1991	1112	-40	401	341	1655	447	2894	-635	4092	5061	2725	1471	52*
Clayton	-2044	492	-1356	-560	-1812	-225	-473	-544	-2174	1017	-2096	1058	7043	16855
Clinton	-6082	373	1689	5396	4942	345	1006	-2023	1562	2633	4436	1406	16419	16116
Crawford	-2160	-181	547	-1172	-797	-490	414	573	-1644	2791	6481	9883	2147	383*
Dallas	242	3428	1962	462	-988	-844	373	1492	570	2579	1733	6727	6775	4390
Davis	-792	897	-992	-760	-1177	-14	-1424	-741	-2305	362	-1210	903	1801	6500
Decatur	-1456	57	-802	-2062	-1411	-891	-1663	219	-1768	2472	307	3318	3341	7712
Delaware	-898	163	287	749	-753	365	-61	295	-1297	1836	-601	518	6408	9265
Des Moines	-3589	-779	2377	2549	5252	-1358	2642	-625	156	665	2225	5843	7645	6623
Dickinson	-720	3064	-9	-182	571	1203	741	2104	142	3667	2427	512	1209	180*
Dubuque	-7342	3136	10561	8711	7569	2554	2952	812	1047	6555	6852	4027	7805	20323
Emmet	-1767	-673	-862	769	696	550	229	2811	-120	5662	2724	158	1287	105*
Fayette	-3645	-1410	-1683	287	-857	6	-106	1332	-1926	6704	883	5285	4900	11248

*County not officially organized at the beginning of the period.

Table 2. Population Change in Iowa's Counties, 1850-1990 (continued).

County	1980- 1990	1970- 1980	1960- 1970	1950- 1960	1940- 1950	1930- 1940	1920- 1930	1910- 1920	1900- 1910	1890- 1900	1880- 1890	1870- 1880	1860- 1870	1850- 1860
Floyd	-2539	-263	-1242	-403	1336	645	664	1741	-635	2330	747	3909	7024	3744*
Franklin	-1672	-219	-2217	-796	-111	-3	575	1027	-216	2125	2622	5511	3429	1309*
Fremont	-1175	119	-1000	-2041	-2322	-888	86	-176	-2923	1704	-810	6478	6100	3830
Greene	-2074	-597	-1663	-1165	-1055	71	61	444	-1797	2023	3070	8100	3253	1374*
Grundy	-2337	247	-13	410	204	-615	-287	846	-183	542	576	6240	5606	793*
Guthrie	-1048	-260	-1364	-1590	-2013	-114	-272	222	-1355	1349	2986	7333	4003	3058*
Hamilton	-1791	-521	-1649	372	-262	-1056	1447	289	-272	4195	4067	5197	4356	1699*
Hancock	-1195	327	-1098	-473	-325	600	79	1992	-1021	6131	4168	2454	820	179*
Hardin	-2682	-472	-285	315	-312	-417	-390	2416	-1873	3791	1196	4123	8244	5440*
Harrison	-1618	108	-1360	-1960	-3207	-2130	409	1326	-2435	4241	4707	7718	5310	3621*
Henry	336	776	-73	-521	714	334	-638	-342	-1382	1127	-2091	-477	2762	9994
Howard	-1305	-328	-1292	-371	-426	449	-623	785	-1592	3330	345	4555	3114	3168*
Humboldt	-1490	-273	-637	39	-342	257	251	769	-485	2831	4495	2745	2264	332*
Ida	-543	-375	-986	-428	-350	-886	244	393	-1031	1622	6323	4156	183	43*
Iowa	-799	10	-977	561	-1181	-316	-1268	191	-1135	1274	-951	2577	8615	7207
Jackson	-2553	1664	85	2132	-559	700	-1450	-1327	-2357	844	-1000	1152	4126	11283
Jasper	-1630	1000	143	2977	809	-1440	5081	821	58	2033	-1020	3847	12233	8603
Jefferson	-6	542	-44	122	-66	-479	-199	489	-1486	2253	-2285	-370	2801	5134
Johnson	14402	9590	18464	7907	12565	2915	3814	548	1097	1735	-2347	531	7325	13101
Jones	-957	533	-825	1292	-549	744	599	-443	-2904	1721	-819	1321	6425	10299
Keokuk	-1297	-1022	-1549	-1305	-1609	-742	-1835	-177	-3819	1117	2604	1824	6163	8449
Kossuth	-3300	-1046	-2377	-927	-389	1178	370	3111	-749	9600	6942	2827	2935	416*
Lee	-4419	110	-1211	1105	2028	-194	1592	2974	-3017	2004	2856	-2351	7978	10371
Linn	-1008	6562	26314	32625	15132	6806	8332	13284	5328	10089	8066	6157	12133	13503
Louisa	-463	1373	392	-811	-283	-191	-604	-676	-661	1643	-1269	265	2507	5431
Lucas	-1243	150	-760	-1146	-2502	-543	-572	2224	-2664	1563	33	4142	4622	5295
Lyon	-944	-444	-1128	-229	-677	81	-138	807	1459	4485	6712	1747	221*	*
Madison	-114	1039	-737	-836	-1394	194	-689	-601	-2089	1733	-1247	3340	6545	6160
Mahaska	-1335	690	-1425	-1070	-1813	681	-466	-3590	-4413	5468	3603	2694	7692	8827
Marion	332	3317	466	-44	-1089	1292	770	1962	-1164	1101	-2053	675	7623	11331
Marshall	-3376	576	3092	2373	205	1679	1097	2351	288	4149	2090	6176	11561	5677
Mills	-204	1574	-1218	-1014	-1000	-802	444	-389	-953	2216	411	5419	4237	4481*
Mitchell	-1401	-779	-935	98	-176	56	144	486	-1481	1617	-1064	4781	6173	3409*

Table 2. Population Change in Iowa's Counties, 1850-1990 (continued).

County	1980- 1990	1970- 1980	1960- 1970	1950- 1960	1940- 1950	1930- 1940	1920- 1930	1910- 1920	1900- 1910	1890- 1900	1880- 1890	1870- 1880	1860- 1870	1850- 1860
Monona	-1658	-377	-1847	-2387	-1935	25	1088	492	-1347	3465	5460	5401	2822	832*
Monroe	-1095	-148	-1106	-1351	-2739	-457	-8457	-1962	7444	4319	-53	995	4112	5728
Montgomery	-1337	632	-1686	-1218	-12	-1055	-296	444	-1199	1955	-47	9961	4678	1256*
Muscatine	-529	3255	3341	1692	852	1911	343	-463	1263	3738	1334	1482	5244	10713
O'Brien	-1528	-550	-1318	-130	-323	884	-642	1789	277	3925	8905	3440	707	8*
Osceola	-1104	-184	-1509	-117	-426	425	-41	1267	231	3151	3355	2219*	*	*
Page	-2193	526	-2486	-2898	-966	-1017	1767	135	-185	2846	1674	9692	5556	3868
Palo Alto	-2052	-568	-1447	-1155	-279	772	-88	1641	-509	5036	5187	2795	1204	132*
Plymouth	-1355	421	416	654	-250	-657	575	455	920	2641	11002	6367	2051	148*
Pocahontas	-1844	-1424	-1441	-1262	-770	579	85	794	-531	5786	5840	2267	1343	103*
Polk	23970	17040	19815	40305	30175	22998	18808	43591	27814	17214	23015	14538	16232	7112
Pottawattamie	-3933	-430	3889	13420	2926	-3132	8338	5718	1496	6906	7580	22957	11925	-2860
Poweshiek	-273	503	-497	-44	586	31	-1183	321	175	1020	-542	3355	9913	5053
Ringgold	-692	-261	-1537	-1618	-1609	-829	-953	15	-2421	1769	1471	6394	2768	2923*
Sac	-1794	-1455	-1434	-511	-121	-2	141	945	-1084	3117	5748	7363	1165	246*
Scott	-9049	17335	23620	18369	15950	7416	3380	13952	8442	8394	1898	2667	12640	19973
Shelby	-1813	-485	-297	-117	-778	-411	1066	-487	-1380	321	4915	10156	1722	818*
Sioux	-910	2817	1621	-6	-828	403	348	1210	1911	4967	12944	4850	566	10*
Story	1926	9543	13456	5033	10860	2293	4956	2102	924	5032	1221	5255	7600	4051*
Tama	-2114	-614	-1266	-275	-740	441	126	-295	-2429	2533	467	5454	10846	5277
Taylor	-1239	-437	-1498	-2132	-1838	-601	-655	-798	-2472	2400	749	8646	3399	3386
Union	-1108	301	-155	-1939	-629	-1155	167	652	-3312	3028	1920	8994	3974	2012*
Van Buren	-950	-17	-1135	-1229	-1046	-550	-1457	-960	-2334	1101	-790	-629	591	4811
Wapello	-4545	-1908	-3977	-1271	3117	3800	2543	194	2317	5000	5141	2939	7828	6047
Warren	1155	7446	6603	3071	63	-5	-347	-147	-2182	2107	-1309	1598	7699	9320
Washington	-529	1174	-439	-151	-498	233	-599	496	-793	2250	-1906	1422	4717	9278
Wayne	-1132	-206	-1395	-1937	-1571	-479	-1591	-806	-1307	1821	-457	4840	4878	6069
Webster	-5611	-2438	581	3569	2720	1096	2814	2982	2872	10175	5631	5467	7980	2504*
Winnebago	-888	20	-109	-351	-522	829	-346	1575	-811	5400	2408	3355	1394	168*
Winneshiek	-1029	118	107	12	-624	633	-461	362	-2002	1203	-1410	368	9628	13396
Woodbury	-2608	-2168	-4797	3932	290	1958	9498	24555	13006	-1022	40636	8824	5053	1119*
Worth	-1084	91	-1275	-809	-381	285	-466	1680	-937	1640	1294	5061	2136	756*
Wright	-2050	-975	-2153	-205	-386	-178	-132	2397	-276	6170	6995	2670	1739	653*
State of Iowa	-136977	88440	67831	136464	82805	67329	66918	179250	-7082	319556	287682	430595	519107	482699
United States	22176102	23240168	23978856	27997387	19656523	8894229	17064426	13738354	15977691	13046861	12791931	10337334	8375128	8251445

Table 3. Percent Population Change in Iowa's Counties, 1850-1990.

County	1980- 1990	1970- 1980	1960- 1970	1950- 1960	1940- 1950	1930- 1940	1920- 1930	1910- 1920	1900- 1910	1890- 1900	1880- 1890	1870- 1880	1860- 1870	1850- 1860
Adair	-11.6	0.2	-12.9	-11.4	-6.9	-5.0	-2.6	-1.1	-10.9	11.4	24.6	193.0	304.7	*
Adams	-15.1	-9.3	-15.3	-14.7	-13.8	-2.7	-0.8	-4.3	-19.1	10.6	3.4	157.7	201.0	*
Allamakee	-8.3	0.9	-6.3	-2.3	-4.8	5.2	-5.5	-0.2	-7.4	4.5	-9.5	10.8	46.0	1474.9
Appanoose	-11.4	3.4	-6.3	-18.6	-18.8	-2.4	-18.7	6.4	10.7	36.7	14.0	1.1	37.9	281.1
Audubon	-14.3	-10.8	-12.1	-5.7	-1.8	-3.9	-2.0	-1.2	-7.0	9.8	66.6	514.5	167.0	*
Benton	-5.2	3.3	-2.3	3.4	-1.0	0.1	-5.1	4.0	-8.0	4.1	-2.9	10.8	164.3	1164.3
Black Hawk	-10.3	3.8	8.5	21.9	25.6	15.6	22.2	26.1	38.5	33.8	1.3	10.2	163.3	6006.7
Boone	-3.8	-1.1	-5.6	-0.4	-5.5	1.7	-2.1	8.2	-2.0	18.6	14.1	42.9	244.6	475.8
Bremer	-8.1	9.2	7.7	11.8	5.3	5.2	1.9	5.6	-2.8	11.4	3.9	12.4	154.9	*
Buchanan	-9.0	5.2	-2.4	1.7	4.5	7.4	-1.7	0.7	-7.8	12.8	2.4	8.9	115.5	1429.2
Buena Vista	-3.9	0.4	-2.3	0.4	6.4	6.3	0.6	16.1	-5.9	25.3	79.8	375.5	2680.7	*
Butler	-11.0	4.2	-2.9	0.4	-3.3	2.1	-1.3	4.2	-4.7	16.1	8.2	43.6	167.2	*
Calhoun	-15.0	-5.2	-10.2	-5.9	-3.7	-0.1	-1.0	4.1	-8.0	41.7	134.3	249.3	989.8	*
Carroll	-6.7	0.2	-2.2	1.6	1.3	2.0	3.6	7.1	-1.0	7.9	52.4	403.9	772.2	*
Cass	-10.7	-0.4	-5.1	-3.3	-0.6	-4.0	0.0	2.0	-10.5	8.3	15.9	210.1	239.0	*
Cedar	-6.4	5.6	-0.8	5.2	0.2	0.7	-4.6	-1.2	-8.3	6.1	-3.6	-4.0	52.4	228.6
Cerro Gordo	-3.6	-1.6	-1.3	8.3	5.0	14.0	11.0	38.6	21.0	39.1	29.7	142.7	402.3	*
Cherokee	-13.2	-6.0	-7.1	-2.4	-1.1	2.8	5.5	6.1	1.0	5.8	90.0	318.9	3291.4	*
Chickasaw	-13.9	3.1	-0.4	-1.3	0.0	4.0	-5.1	0.4	-9.8	13.4	3.3	42.8	134.8	*
Clarke	-3.8	13.6	-7.8	-12.2	-8.4	-1.5	-1.2	-2.1	-13.7	9.8	-1.6	31.8	61.0	6769.6
Clay	-10.2	6.0	-0.2	2.2	1.9	10.3	2.9	22.7	-4.7	44.0	119.1	178.9	2828.8	*
Clayton	-9.7	2.4	-6.2	-2.5	-7.4	-0.9	-1.9	-2.1	-7.8	3.8	-7.3	3.8	34.0	435.2
Clinton	-10.6	0.7	3.1	10.9	11.1	0.8	2.3	-4.5	3.6	6.4	12.1	4.0	86.7	571.1
Crawford	-11.4	-0.9	2.9	-5.9	-3.9	-2.3	2.0	2.9	-7.6	14.8	52.2	390.6	560.6	*
Dallas	0.8	13.1	8.1	2.0	-4.0	-3.3	1.5	6.3	2.5	12.6	9.2	56.0	129.2	514.1
Davis	-8.7	10.9	-10.8	-7.6	-10.6	-0.1	-11.3	-5.6	-14.8	2.4	-7.3	5.8	13.1	89.5
Decatur	-14.9	0.6	-7.6	-16.4	-10.1	-6.0	-10.0	1.3	-9.8	15.8	2.0	27.6	38.5	799.2
Delaware	-4.7	0.9	1.6	4.2	-4.1	2.0	-0.3	1.6	-6.8	10.6	-3.3	3.0	58.1	526.7
Des Moines	-7.8	-1.7	5.3	6.1	14.3	-3.6	7.4	-1.7	0.4	1.9	6.7	21.4	39.0	51.0
Dickinson	-4.6	24.4	-0.1	-1.4	4.7	11.0	7.2	25.9	1.8	84.7	127.7	36.9	671.7	*
Dubuque	-7.8	3.5	13.2	12.2	11.9	4.2	5.1	1.4	1.9	13.1	15.9	10.3	25.0	187.5
Emmet	-13.2	-4.8	-5.8	5.5	5.2	4.3	1.8	28.6	-1.2	132.5	175.7	11.4	1225.7	*
Fayette	-14.3	-5.2	-5.9	1.0	-2.9	0.0	-0.4	4.8	-6.5	29.0	4.0	31.1	40.6	1363.4

*County not officially organized at the beginning of the period.

Table 3. Percent Population Change in Iowa's Counties, 1850-1990 (continued).

County	1980- 1990	1970- 1980	1960- 1970	1950- 1960	1940- 1950	1930- 1940	1920- 1930	1910- 1920	1900- 1910	1890- 1900	1880- 1890	1870- 1880	1860- 1870	1850- 1860
Floyd	-13.0	-1.3	-5.9	-1.9	6.6	3.3	3.5	10.2	-3.6	15.1	5.1	36.3	187.6	*
Franklin	-12.8	-1.7	-14.3	-4.9	-0.7	-0.0	3.6	6.9	-1.4	16.5	25.6	116.3	262.0	*
Fremont	-12.5	1.3	-9.7	-16.6	-15.9	-5.7	0.6	-1.1	-15.8	10.1	-4.6	58.0	120.2	307.9
Greene	-17.1	-4.7	-11.6	-7.5	-6.4	0.4	0.4	2.8	-10.1	12.8	24.1	175.1	236.8	*
Grundy	-16.3	1.7	-0.1	3.0	1.5	-4.4	-2.0	6.2	-1.3	4.1	4.6	97.5	706.9	*
Guthrie	-8.7	-2.1	-10.0	-10.5	-11.7	-0.7	-1.5	1.3	-7.2	7.8	20.7	103.9	130.9	*
Hamilton	-10.0	-2.8	-8.2	1.9	-1.3	-5.0	7.4	1.5	-1.4	27.4	36.1	85.8	256.4	*
Hancock	-8.6	2.4	-7.5	-3.1	-2.1	4.1	0.5	15.6	-7.4	80.4	120.7	245.6	458.1	*
Hardin	-12.3	-2.1	-1.3	1.4	-1.4	-1.8	-1.7	11.5	-8.2	19.9	6.7	30.1	151.5	*
Harrison	-9.9	0.7	-7.7	-10.0	-14.1	-8.6	1.7	5.7	-9.5	19.9	28.3	86.4	146.6	*
Henry	1.8	4.3	-0.4	-2.8	4.0	1.9	-3.5	-1.8	-6.9	6.0	-10.0	-2.2	14.8	114.8
Howard	-11.7	-2.9	-10.1	-2.8	-3.1	3.4	-4.5	6.1	-11.0	29.8	3.2	72.5	98.3	*
Humboldt	-12.2	-2.2	-4.8	0.3	-2.5	1.9	1.9	6.3	-3.8	28.8	84.2	105.7	681.9	*
Ida	-6.1	-4.0	-9.6	-4.0	-3.2	-7.4	2.1	3.5	-8.4	15.2	144.3	1838.9	425.6	*
Iowa	-5.2	0.1	-6.0	3.5	-6.9	-1.8	-6.8	1.0	-5.8	7.0	-4.9	15.5	107.3	876.8
Jackson	-11.3	8.0	0.4	11.4	-2.9	3.8	-7.3	-6.2	-10.0	3.7	-4.2	5.1	22.3	156.5
Jasper	-4.5	2.8	0.4	9.2	2.6	-4.4	18.2	3.0	0.2	8.2	-3.9	17.4	123.8	672.1
Jefferson	-0.0	3.4	-0.3	0.8	-0.4	-2.9	-1.2	3.1	-8.5	14.8	-13.1	-2.1	18.6	51.8
Johnson	17.6	13.3	34.4	17.3	37.9	9.6	14.4	2.1	4.4	7.5	-9.2	2.1	41.7	293.0
Jones	-4.7	2.7	-4.0	6.7	-2.8	3.9	3.2	-2.3	-13.2	8.5	-3.9	6.7	48.3	342.5
Keokuk	-10.0	-7.3	-10.0	-7.8	-8.7	-3.9	-8.7	-0.8	-15.3	4.7	12.2	9.4	46.4	175.2
Kossuth	-15.1	-4.6	-9.4	-3.5	-1.5	4.6	1.5	14.2	-3.3	73.2	112.4	84.4	705.5	*
Lee	-10.3	0.3	-2.7	2.6	4.9	-0.5	4.0	8.1	-7.6	5.3	8.2	-6.3	27.3	55.0
Linn	-0.6	4.0	19.2	31.3	17.0	8.3	11.3	21.9	9.6	22.3	21.7	19.8	64.0	248.0
Louisa	-3.8	12.9	3.8	-7.3	-2.5	-1.7	-5.0	-5.3	-4.9	13.8	-9.7	2.1	24.2	110.0
Lucas	-12.1	1.5	-7.0	-9.5	-17.2	-3.6	-3.6	16.5	-16.5	10.7	0.2	39.9	80.2	1124.2
Lyon	-7.3	-3.3	-7.8	-1.6	-4.4	0.5	-0.9	5.5	11.1	51.7	341.1	790.5	*	*
Madison	-0.9	9.0	-6.0	-6.4	-9.6	1.4	-4.6	-3.8	-11.8	10.8	-7.2	24.1	89.2	522.5
Mahaska	-5.8	3.1	-6.0	-4.3	-6.8	2.6	-1.8	-12.0	-12.9	19.0	14.3	12.0	51.9	147.4
Marion	1.1	12.6	1.8	-0.2	-4.0	5.0	3.1	8.5	-4.8	4.8	-8.2	2.8	45.3	206.7
Marshall	-8.1	1.4	8.1	6.7	0.6	5.0	3.4	7.8	1.0	16.1	8.8	35.1	192.2	1679.6
Mills	-1.5	13.3	-9.3	-7.2	-6.6	-5.1	2.9	-2.5	-5.7	15.2	2.9	62.2	94.6	*
Mitchell	-11.4	-5.9	-6.7	0.7	-1.2	0.4	1.0	3.6	-9.9	12.2	-7.4	49.9	181.1	*

Table 3. Percent Population Change in Iowa's Counties, 1850-1990 (continued).

County	1980- 1990	1970- 1980	1960- 1970	1950- 1960	1940- 1950	1930- 1940	1920- 1930	1910- 1920	1900- 1910	1890- 1900	1880- 1890	1870- 1880	1860- 1870	1850- 1860
Monona	-14.2	-3.1	-13.3	-14.6	-10.6	0.1	6.4	3.0	-7.5	23.9	60.3	147.8	339.2	*
Monroe	-11.9	-1.6	-10.6	-11.4	-18.8	-3.0	-36.0	-7.7	41.4	31.6	-0.4	7.8	47.7	198.6
Montgomery	-10.0	4.9	-11.7	-7.8	-0.1	-6.3	-1.7	2.7	-6.7	12.3	-0.3	167.9	372.5	*
Muscatine	-1.3	8.8	9.9	5.3	2.7	6.5	1.2	-1.6	4.5	15.3	5.8	6.8	31.9	186.9
O'Brien	-9.0	-3.1	-7.0	-0.7	-1.7	4.8	-3.4	10.4	1.6	30.1	214.3	481.1	8837.5	*
Osceola	-13.2	-2.2	-15.0	-1.1	-4.0	4.2	-0.4	14.1	2.6	56.5	151.2	*	*	*
Page	-11.5	2.8	-11.8	-12.1	-3.9	-3.9	7.3	0.6	-0.8	13.3	8.5	97.2	125.7	702.0
Palo Alto	-16.1	-4.3	-9.8	-7.3	-1.7	5.0	-0.6	11.9	-3.5	54.0	125.6	209.2	912.1	*
Plymouth	-5.5	1.7	1.7	2.8	-1.1	-2.7	2.4	2.0	4.1	13.5	128.4	289.5	1385.8	*
Pocahontas	-16.2	-11.1	-10.1	-8.1	-4.7	3.7	0.5	5.4	-3.5	60.6	157.3	156.8	1303.9	*
Polk	7.9	6.0	7.4	17.8	15.4	13.3	12.2	39.5	33.7	26.3	54.3	52.2	139.6	157.6
Pottawattamie	-4.5	-0.5	4.7	19.3	4.4	-4.5	13.5	10.2	2.8	14.6	19.0	135.9	240.0	-36.5
Poweshiek	-1.4	2.7	-2.6	-0.2	3.1	0.2	-5.9	1.6	0.9	5.5	-2.9	21.5	174.9	821.6
Ringgold	-11.3	-4.1	-19.4	-17.0	-14.4	-6.9	-7.4	0.1	-15.8	13.0	12.2	112.4	94.7	*
Sac	-12.7	-9.3	-8.4	-2.9	-0.7	-0.0	0.8	5.7	-6.1	21.5	65.5	521.8	473.6	*
Scott	-5.7	12.1	19.8	18.2	18.8	9.6	4.6	23.3	16.4	19.4	4.6	6.9	48.7	333.7
Shelby	-12.1	-3.1	-1.9	-0.7	-4.7	-2.4	6.6	-2.9	-7.7	1.8	38.7	399.8	210.5	*
Sioux	-3.0	10.1	6.1	-0.0	-3.0	1.5	1.3	4.8	8.2	27.0	238.6	842.0	5660.0	*
Story	2.7	15.2	27.3	11.4	32.5	7.4	18.9	8.7	4.0	27.8	7.2	45.1	187.6	*
Tama	-10.8	-3.0	-5.9	-1.3	-3.3	2.0	0.6	-1.3	-9.9	11.5	2.2	33.8	205.2	65962.5
Taylor	-14.8	-5.0	-14.6	-17.2	-12.9	-4.0	-4.2	-4.9	-13.2	14.6	4.8	123.7	94.7	1659.8
Union	-8.0	2.2	-1.1	-12.4	-3.9	-6.6	1.0	3.9	-16.6	17.9	12.8	150.3	197.5	*
Van Buren	-11.0	-0.2	-11.6	-11.2	-8.7	-4.4	-10.4	-6.4	-13.4	6.8	-4.6	-3.6	3.5	39.2
Wapello	-11.3	-4.5	-8.6	-2.7	7.0	9.4	6.7	0.5	6.5	16.4	20.3	13.2	53.9	71.4
Warren	3.3	27.1	31.7	17.3	0.4	-0.0	-1.9	-0.8	-10.7	11.5	-6.7	8.9	74.9	969.8
Washington	-2.6	6.2	-2.3	-0.8	-2.5	1.2	-2.9	2.5	-3.8	12.2	-9.4	7.5	33.1	187.2
Wayne	-13.8	-2.5	-14.2	-16.5	-11.8	-3.5	-10.3	-5.0	-7.5	11.6	-2.8	42.9	76.1	1785.0
Webster	-12.2	-5.0	1.2	8.1	6.6	2.7	7.5	8.6	9.0	47.1	35.3	52.1	318.7	*
Winnebago	-6.8	0.2	-0.8	-2.6	-3.7	6.3	-2.6	13.2	-6.4	73.7	49.0	214.8	829.8	*
Winneshiek	-4.7	0.5	0.5	0.1	-2.8	2.9	-2.1	1.7	-8.4	5.3	-5.9	1.6	69.1	2453.5
Woodbury	-2.6	-2.1	-4.4	3.8	0.3	1.9	10.3	36.3	23.8	-1.8	271.0	143.0	451.6	*
Worth	-11.9	1.0	-12.4	-7.3	-3.3	2.6	-4.0	16.9	-8.6	17.7	16.3	175.0	282.5	*
Wright	-12.6	-5.6	-11.1	-1.0	-1.9	-0.9	-0.6	13.4	-1.5	51.2	138.2	111.6	266.3	*
State of Iowa	-4.7	3.1	2.5	5.2	3.3	2.7	2.8	8.1	-0.3	16.7	17.7	36.1	76.9	251.1
United States	9.8	11.4	13.4	18.5	14.5	7.2	16.1	14.9	21.0	20.7	25.5	26.0	26.6	35.6

Table 4. Population Change (1850-1900, 1900-1950, 1950-1990), Decades of Population Increase, and Year Census Count Highest in Iowa's Counties.

County	Population Change					Number of Decades of Population Increase			Year Census Count Highest	
	1850-1900		1900-1950		1950-1990		1850-1900	1900-1950		1950-1990
	Number	Number	Percent	Number	Percent	Number	Percent	Number		Percent
Adair	16192	-3900	-24.1	-3883	-31.6	5	0	1	1900	
Adams	13601	-4848	-35.6	-3887	-44.4	5	0	0	1900	
Allamakee	17934	-2360	-12.6	-2496	-15.3	4	1	1	1880	
Appanoose	22796	-6244	-24.1	-5940	-30.2	5	2	1	1920	
Audubon	13626	-2047	-15.0	-4245	-36.7	5	0	0	1900	
Benton	24505	-2521	-10.0	-227	-1.0	4	2	2	1900	
Black Hawk	32264	68049	210.0	23350	23.2	5	5	3	1980	
Boone	27465	-61	-0.2	-2953	-10.5	5	2	0	1920	
Bremer	16305	2579	15.8	3929	20.8	5	4	3	1980	
Buchanan	20910	500	2.3	-1083	-4.9	5	3	2	1980	
Buena Vista	16975	4138	24.4	-1148	-5.4	5	4	2	1960	
Butler	17955	-561	-3.1	-1663	-9.6	5	2	2	1940	
Calhoun	18569	-1644	-8.8	-5417	-32.0	5	1	0	1900	
Carroll	20319	2746	13.5	-1642	-7.1	5	4	2	1960	
Cass	21274	-2742	-12.9	-3404	-18.4	5	2	0	1900	
Cedar	15430	-2461	-12.7	534	3.2	3	2	2	1870	
Cerro Gordo	20672	25381	122.8	680	1.5	5	5	1	1960	
Cherokee	16570	2482	15.9	-4954	-26.0	5	4	0	1940	
Chickasaw	17037	-1809	-10.6	-1933	-12.7	5	3	1	1900	
Clarke	12361	-3071	-24.7	-1082	-11.6	4	0	1	1900	
Clay	13401	4702	35.1	-518	-2.9	5	4	2	1980	
Clayton	23877	-5228	-18.8	-3468	-15.4	4	0	1	1880	
Clinton	41010	5832	13.3	1376	2.8	5	4	3	1980	
Crawford	21685	-1944	-9.0	-2966	-15.0	5	2	1	1900	
Dallas	22204	603	2.6	6094	25.8	5	3	4	1990	
Davis	8356	-5661	-36.2	-1647	-16.5	4	0	1	1880	
Decatur	17150	-5514	-30.4	-4263	-33.8	5	1	1	1900	
Delaware	17426	-1451	-7.6	301	1.7	4	2	3	1900	
Des Moines	23001	6067	16.9	558	1.3	5	3	2	1970	
Dickinson	7995	4761	59.6	2153	16.9	5	5	1	1980	
Dubuque	45562	14934	26.5	15066	21.1	5	5	3	1980	
Emmet	9936	4166	41.9	-2533	-18.0	5	4	1	1960	
Fayette	29020	-1551	-5.2	-6451	-22.8	5	2	1	1900	
Floyd	17754	3751	21.1	-4447	-20.7	5	4	0	1950	
Franklin	14996	1272	8.5	-4904	-30.2	5	2	0	1930	
Fremont	17302	-6223	-33.6	-4097	-33.2	4	1	1	1900	
Greene	17820	-2276	-12.8	-5499	-35.4	5	3	0	1900	
Grundy	13757	-35	-0.2	-1693	-12.3	5	2	2	1920	
Guthrie	18729	-3532	-18.9	-4262	-28.0	5	1	0	1900	
Hamilton	19514	146	0.8	-3589	-18.3	5	2	1	1930	
Hancock	13752	1325	9.6	-2439	-16.2	5	3	1	1940	
Hardin	22794	-576	-2.5	-3124	-14.1	5	1	1	1920	
Harrison	25597	-6037	-23.6	-4830	-24.7	5	2	1	1900	
Henry	11315	-1314	-6.6	518	2.8	3	2	2	1870	
Howard	14512	-1407	-9.7	-3296	-25.2	5	2	0	1900	
Humboldt	12667	450	3.6	-2361	-18.0	5	3	1	1940	
Ida	12327	-1630	-13.2	-2332	-21.8	5	2	0	1900	
Iowa	18722	-3709	-19.0	-1205	-7.6	4	1	2	1900	
Jackson	16405	-4993	-21.1	1328	7.1	4	1	3	1880	
Jasper	25696	5329	19.8	2490	7.7	4	4	3	1980	

Table 4. Population Change (1850-1900, 1900-1950, 1950-1990), Decades of Population Increase, and Year Census Count Highest in Iowa's Counties (continued).

County	Population Change					Number of Decades of Population Increase			Year Census Count Highest	
	1850-1900		1900-1950		1950-1990		1850-1900	1900-1950		1950-1990
	Number	Number	Percent	Number	Percent					
Jefferson	7533	-1741	-10.0	614	3.9	3	1	2	1870	
Johnson	20345	20939	84.4	50363	110.1	4	5	4	1990	
Jones	18947	-2553	-11.6	43	0.2	4	2	2	1900	
Keokuk	20157	-8182	-32.8	-5173	-30.8	5	0	0	1900	
Kossuth	22720	3521	15.5	-7650	-29.2	5	3	0	1940	
Lee	20858	3383	8.5	-4415	-10.2	4	3	2	1960	
Linn	49948	48882	88.2	64493	61.8	5	5	3	1980	
Louisa	8577	-2415	-17.9	491	4.4	4	0	2	1900	
Lucas	15655	-4057	-25.2	-2999	-24.8	5	1	1	1900	
Lyon	13165	1532	11.6	-2745	-18.7	4	3	0	1920	
Madison	16531	-4579	-25.9	-648	-4.9	4	1	1	1900	
Mahaska	28284	-9601	-28.0	-3140	-12.7	5	1	1	1900	
Marion	18677	1771	7.3	4071	15.7	4	3	3	1990	
Marshall	29653	5620	18.7	2665	7.5	5	5	3	1980	
Mills	16764	-2700	-16.1	-862	-6.1	5	1	1	1900	
Mitchell	14916	-971	-6.5	-3017	-21.6	4	3	1	1900	
Monona	17980	-1677	-9.3	-6269	-38.4	5	3	0	1940	
Monroe	15101	-6171	-34.3	-3700	-31.3	4	1	0	1910	
Montgomery	17803	-2118	-11.9	-3609	-23.0	4	1	1	1900	
Muscatine	22511	3906	13.8	7759	24.1	5	4	3	1980	
O'Brien	16985	1985	11.7	-3526	-18.6	5	3	0	1940	
Osceola	8725	1456	16.7	-2914	-28.6	3	3	0	1940	
Page	23636	-266	-1.1	-7051	-29.5	5	2	1	1930	
Palo Alto	14354	1537	10.7	-5222	-32.9	5	2	0	1940	
Plymouth	22209	1043	4.7	136	0.6	5	3	3	1980	
Pocahontas	15339	157	1.0	-5971	-38.5	5	3	0	1940	
Polk	78111	143386	173.5	101130	44.8	5	5	4	1990	
Pottawattamie	46508	15346	28.2	12946	18.6	4	4	2	1970	
Poweshiek	18799	-70	-0.4	-311	-1.6	4	4	1	1920	
Ringgold	15325	-5797	-37.8	-4108	-43.1	5	1	0	1900	
Sac	17639	-121	-0.7	-5194	-29.6	5	2	0	1930	
Scott	45572	49140	95.3	50275	49.9	5	5	3	1980	
Shelby	17932	-1990	-11.1	-2712	-17.0	5	1	0	1900	
Sioux	23337	3044	13.0	3522	13.4	5	4	2	1980	
Story	23159	21135	91.3	29958	67.6	5	5	4	1990	
Tama	24577	-2897	-11.8	-4269	-19.7	5	2	0	1900	
Taylor	18580	-6364	-33.9	-5306	-42.7	5	0	0	1900	
Union	19928	-4277	-21.5	-2901	-18.5	5	2	1	1900	
Van Buren	5084	-6347	-36.6	-3331	-30.3	3	0	0	1870	
Wapello	26955	11971	33.8	-11701	-24.7	5	5	0	1950	
Warren	19415	-2618	-12.8	18275	102.9	4	1	4	1990	
Washington	15761	-1161	-5.6	55	0.3	4	2	1	1900	
Wayne	17151	-5754	-32.9	-4670	-39.8	4	0	0	1900	
Webster	31757	12484	39.3	-3899	-8.8	5	5	2	1970	
Winnebago	12725	725	5.7	-1328	-9.9	5	2	1	1940	
Winneshiek	23185	-2092	-8.8	-792	-3.7	4	2	3	1880	
Woodbury	54610	49307	90.3	-5641	-5.4	4	5	1	1960	
Worth	10887	181	1.7	-3077	-27.8	5	2	1	1920	
Wright	18227	1425	7.8	-5383	-27.4	5	1	0	1920	
State of Iowa	2039639	389220	17.4	155758	5.9	5	4	3	1980	
United States	97392503	75331223	99.1	97392503	64.4	5	5	4	1990	

1870. Indeed, all counties in Iowa had been above 10,000 since 1920. In sharp contrast to these losses were nine counties for which population gains were greater than 10 percent. All of these nine contained substantial cities. Johnson and Story led with increases greater than 30 percent as students returned to the universities after the war. Polk alone gained more than 30,000 people, Black Hawk more than 20,000, and Linn and Scott more than 15,000. In 1940, only two counties (Polk, Woodbury) had been over 100,000; by 1950, there were five (Black Hawk, Linn, Polk, Scott, Woodbury). Polk exceeded 200,000 for the first time. The total population for Iowa was more than 2.6 million in 1950.

Iowa's growth was considerably slower in the first half of the twentieth century than it had been in the last half of the 1800s. Fewer than 400,000 residents were added from 1900 to 1950, which was an increase of 17.4 percent. Fifty-five counties had fewer residents in 1950 than they counted in 1900 (Table 4). Drops of at least 5,000 occurred in 13, topped by declines greater than 8,000 in Keokuk and Mahaska. Most of the counties with relatively large decreases were located in the southern section of the state. Of the 44 counties gaining population in the first half of this century, 16 added at least 5,000. Polk's increase of more than 143,000 doubled the next greatest increase (Black Hawk, +68,000). Three others gained nearly 50,000 in 50 years (Linn, +48,900; Scott, +49,100; Woodbury; +49,300). Thirteen counties (Black Hawk, Cerro Gordo, Dickinson, Dubuque, Johnson, Linn, Marshall, Polk, Scott, Story, Wapello, Webster, Woodbury) increased their counts each decade from 1900 to 1950; these tended to be Iowa's most urban counties. In contrast, 11 counties (Adair, Adams, Audubon, Clarke, Clayton, Davis, Keokuk, Louisa, Taylor, Van Buren, Wayne) declined each decade from the beginning of this century to 1950.

1950 to 1990

Iowa experienced an upsurge in population in the 1950s, when it increased by more than 5 percent for only the second decade this century. Polk once again made an impressive gain (more than 40,000). Black Hawk and Linn also continued to post substantial gains. Twelve counties had percentage increases greater than 10 percent and eight of these also had more than 10 percent growth the previous decade as well. Still, 58 counties declined, 16 losing more than 10 percent. Eight counties (Adams, Appanoose, Decatur, Fremont, Monona, Ringgold, Taylor, Wayne) were down at least 14 percent and all of them had lost at least 10 percent the previous decade as well. By the 1960 census, six counties (Adams, Clarke, Davis, Ringgold, Van Buren, Wayne) had slipped below 10,000 residents.

The 1960 population of 2,757,537 grew to 2,825,368 by 1970, but the rate of growth slowed somewhat to 2.5 percent. This time 74 counties experienced population declines, more than in any previous decade. Twenty-two had losses of at least 10 percent. As of 1970, 15 were under 10,000 in population. The least populous counties were Adams and Ringgold, each with just over 6,300 inhabitants. Woodbury had the highest numerical loss (-4,797) with Wapello next (-3,977). The trend of the previous decades continued, in that most counties with large cities increased, although Polk's gain of 19,815 was less than half that of the previous decade. The greatest growth in numbers came in Linn (+26,314) and Scott (+23,620) and increases greater than 25 percent occurred in Johnson (+34.4%), Story (+27.3%), and Warren (+31.7%).

Population declines slowed somewhat for many counties in the 1970s. Between 1970 and 1980, 42 counties lost population, fewer than in the previous decade. Only Pocahontas and Audubon counties had percentage declines above 10 percent. The largest numerical losses of the decade were in Wapello (-1,908), Webster (-2,438), and Woodbury (-2,168). In 1970 and 1980, the same fifteen counties had fewer than 10,000 residents. Growth counties were led by percentage gains of 24.4 percent in Dickinson and 27.1 percent in Warren. Numerical gains were largest in Polk and Scott, with increases greater than 17,000 in each. Polk surpassed 300,000 for the first time and, by 1980, the population of the state was 2.9 million.

Population trends turned quite negative in the 1980s, when the number of Iowans dropped by 137,000 (-4.7%). Seven counties (Dallas, Henry, Johnson, Marion, Polk, Story, Warren) gained population from 1980 to 1990 (Figures 3, 4). The increases of 24,000 in Polk and 14,400 in Johnson were the only ones topping 2,000; these two counties also had the only gains above 5 percent (Polk, +7.9%; Johnson, +17.6%). Declines were greater than 5,000 in five counties (Black Hawk, -14,200; Clinton, -6,100; Dubuque, -7,300; Scott, -9,000; Webster, -5,600) and between 1,000 and 4,999 in 65. Forty-eight

counties had decreases of at least 10 percent in the 1980s (Figure 5). Seven of these declines were 15 percent or greater (Adams, -15.1%; Calhoun, -15.0%; Greene, -17.1%; Grundy, -16.3%; Kossuth, -15.1%; Palo Alto, -16.1%; Pocahontas, -16.2%).

Growth in population for the state continued to slow in the second half of this century. About 156,000 more people lived in Iowa in 1990 than in 1950, which was an increase of 5.9 percent (Table 4). But much of the gain that occurred in the 1960s and 1970s was negated by decline in the 1980s. Fifteen counties lost at least 5,000 residents in the last 40 years, with the greatest loss in Wapello (-11,700); another 49 counties were down by 1,000-4,999. Yet the state's population grew because some counties had large increases. Eight gained 1,000-4,999 residents and 11 added at least 5,000 residents. Four (Johnson, Linn, Polk, Scott) jumped by at least 50,000, with Polk topping the list with 101,000 more residents in 1990 than in 1950.

Only five counties (Dallas, Johnson, Polk, Story, Warren) grew in each of the four decades between 1950 and 1990; 30 decreased in each. Indeed, declines were noted in Adams, Audubon, Keokuk, Taylor, Van Buren, and Wayne between every census since 1900; 28 others reported growth in only one or two of the last nine decades. On the other hand, Johnson, Polk, and Story gained population every 10 years since 1900; another 11 (Black Hawk, Bremer, Clinton, Dallas, Dubuque, Jasper, Linn, Marshall, Muscatine, Scott, Webster) increased in seven or eight of the decades since the turn of the century. Some radical changes in population trends are evident when the first and second parts of this century are compared. Warren, for example, gained population in only one decade from 1900 to 1950, but it increased in each one from 1950 to 1990. Wapello, on the other hand, grew between each census conducted from 1900 through 1950 but has declined in each one since. Cerro Gordo, Dickinson, and Woodbury each gained throughout the first half of the century, but they had increases in only one decade since 1950. Cherokee and Floyd reported higher populations at the end of all decades except one from 1900 to 1950, but neither grew between any of the censuses from 1950 to 1990.

Concluding Comments

Growth between 1850 and 1900 resulted in only three Iowa counties with populations under 10,000 at the turn of the century. But the 90 years since then are characterized by two diverse trends for counties. Some declined; in 1990, 18 had fewer than 10,000 residents. Nine counties reported less than half the residents in 1990 than they had counted in 1900. Others grew; six counties had populations greater than 50,000 in 1900, although only one (Polk) was above 60,000; 10 exceeded 50,000 in 1990, but only one was in the 50,000-60,000 range. Among those that increased over this century, two more than doubled their populations when 1900 and 1990 were compared, and five more than tripled their totals. These contrary trends temper the general growth reported for the state. Such differences should be expected to continue through future censuses.

Figure 1. Population in Iowa, 1850-1990.

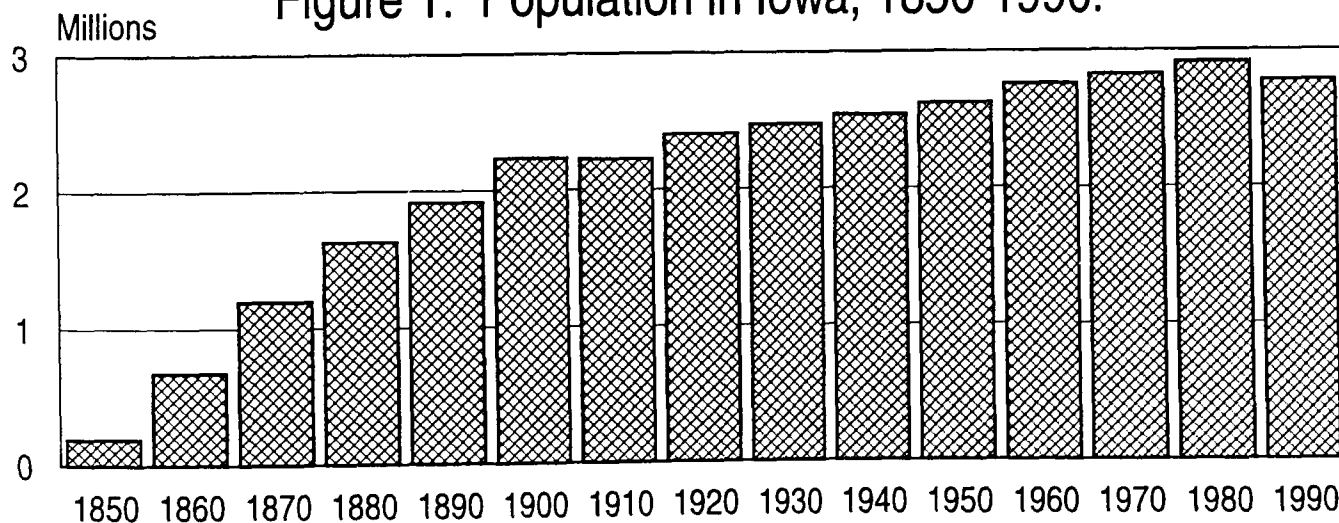


Figure 2. Historical population peaks, 1850-1990.

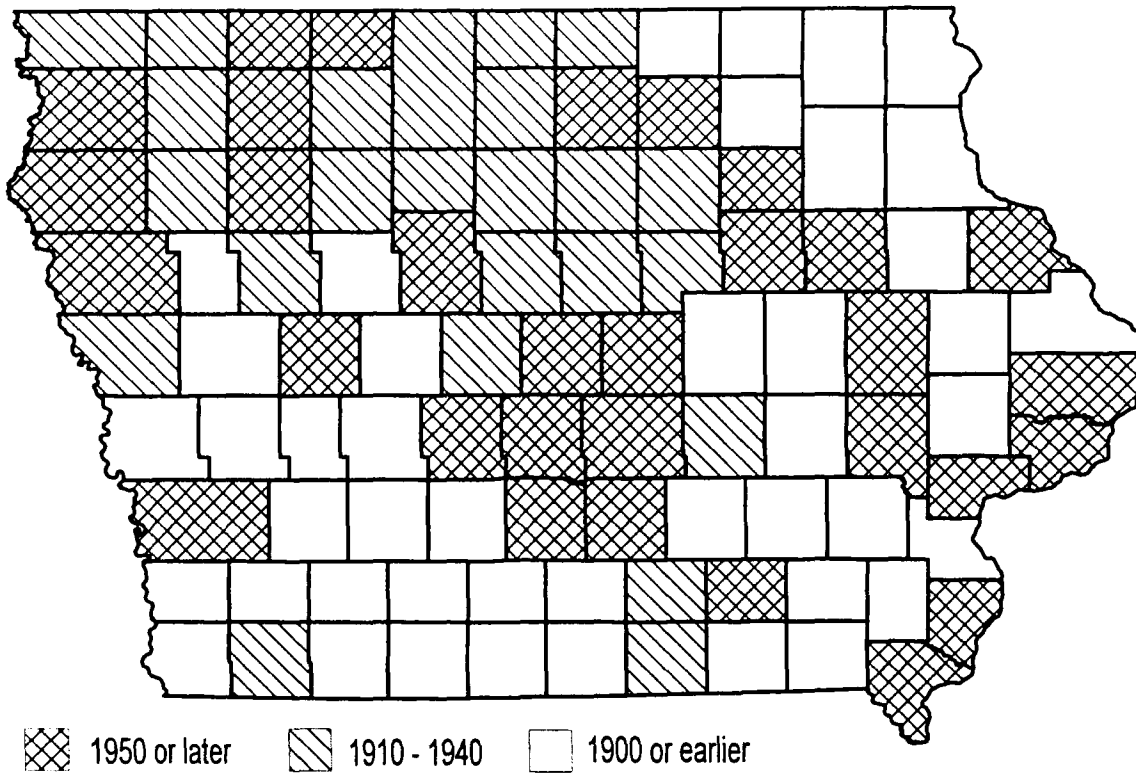


Figure 3. Population change, 1980-1990.

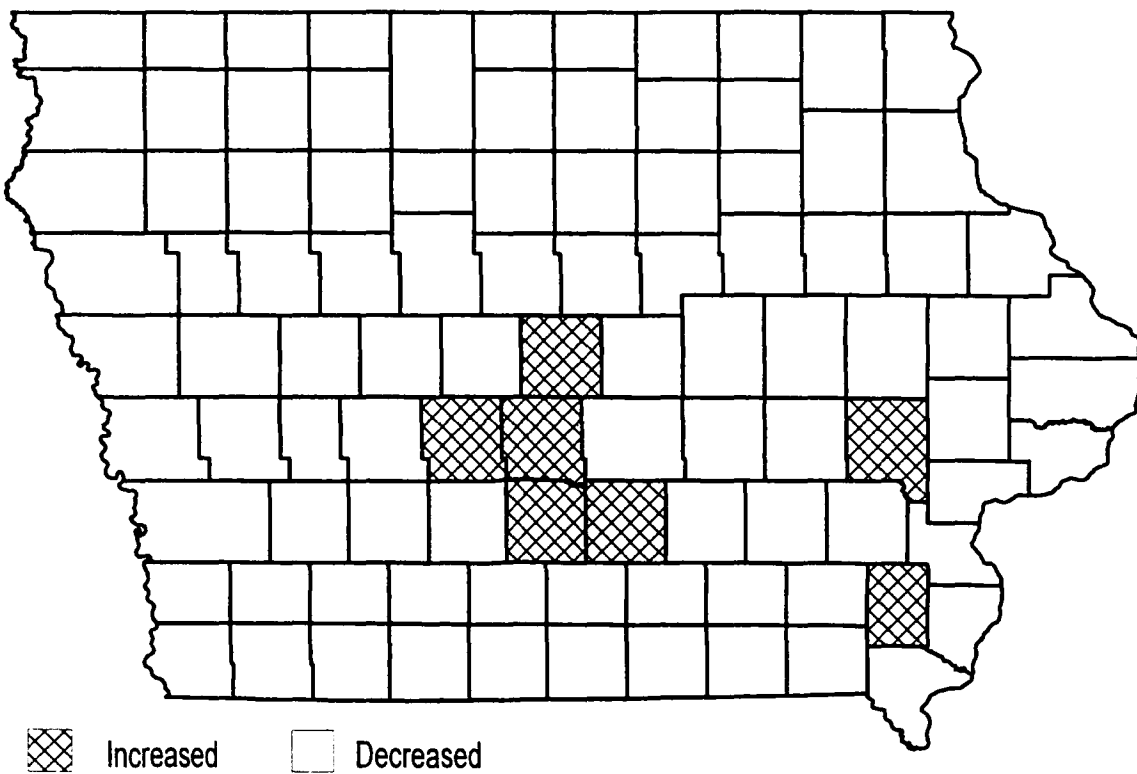


Figure 4. Percent increase, 1980-1990.

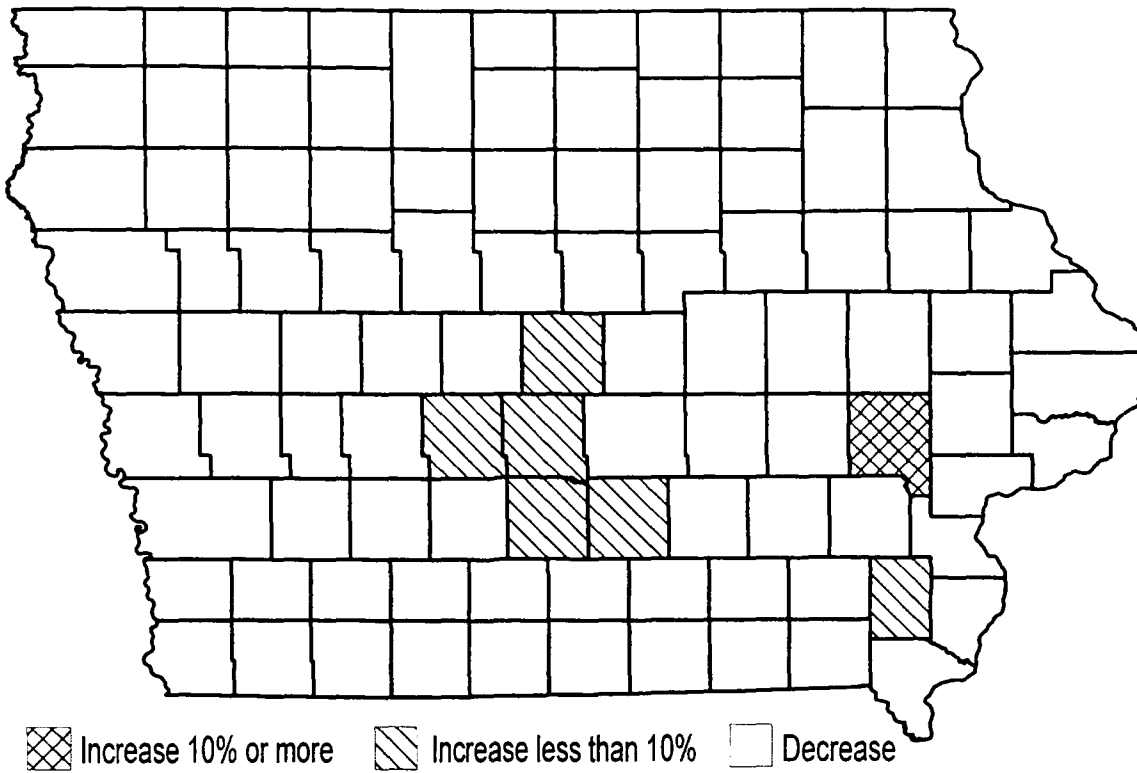
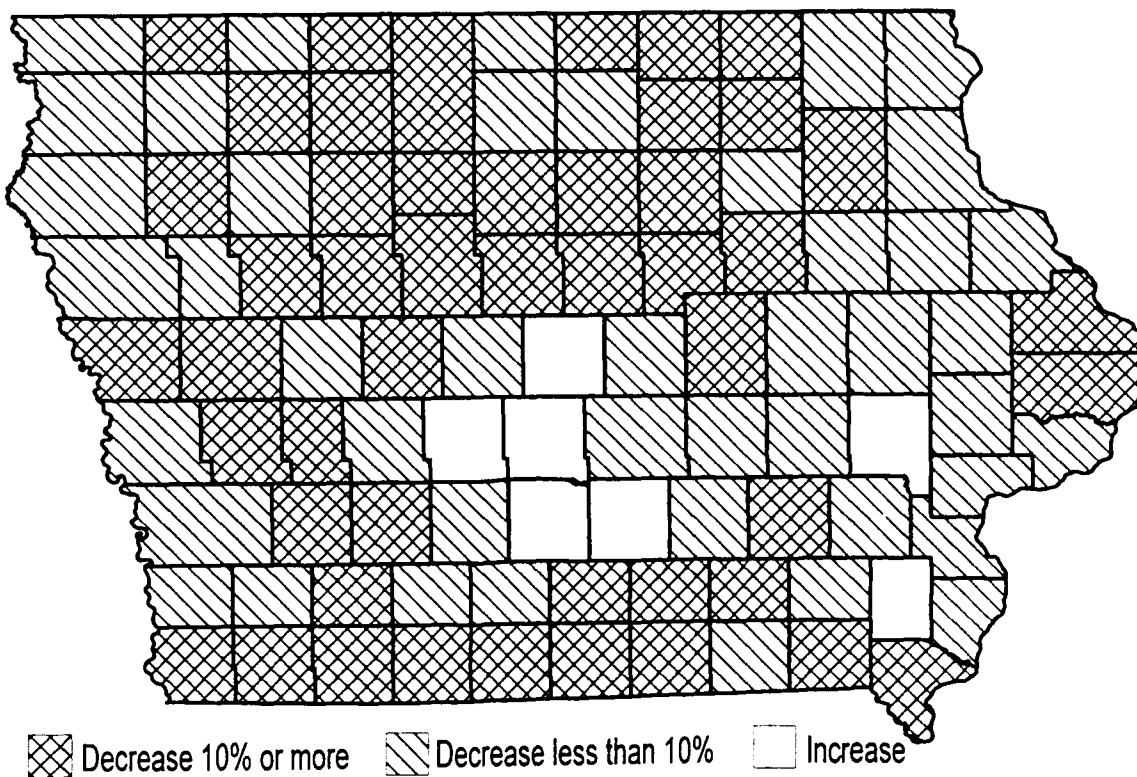
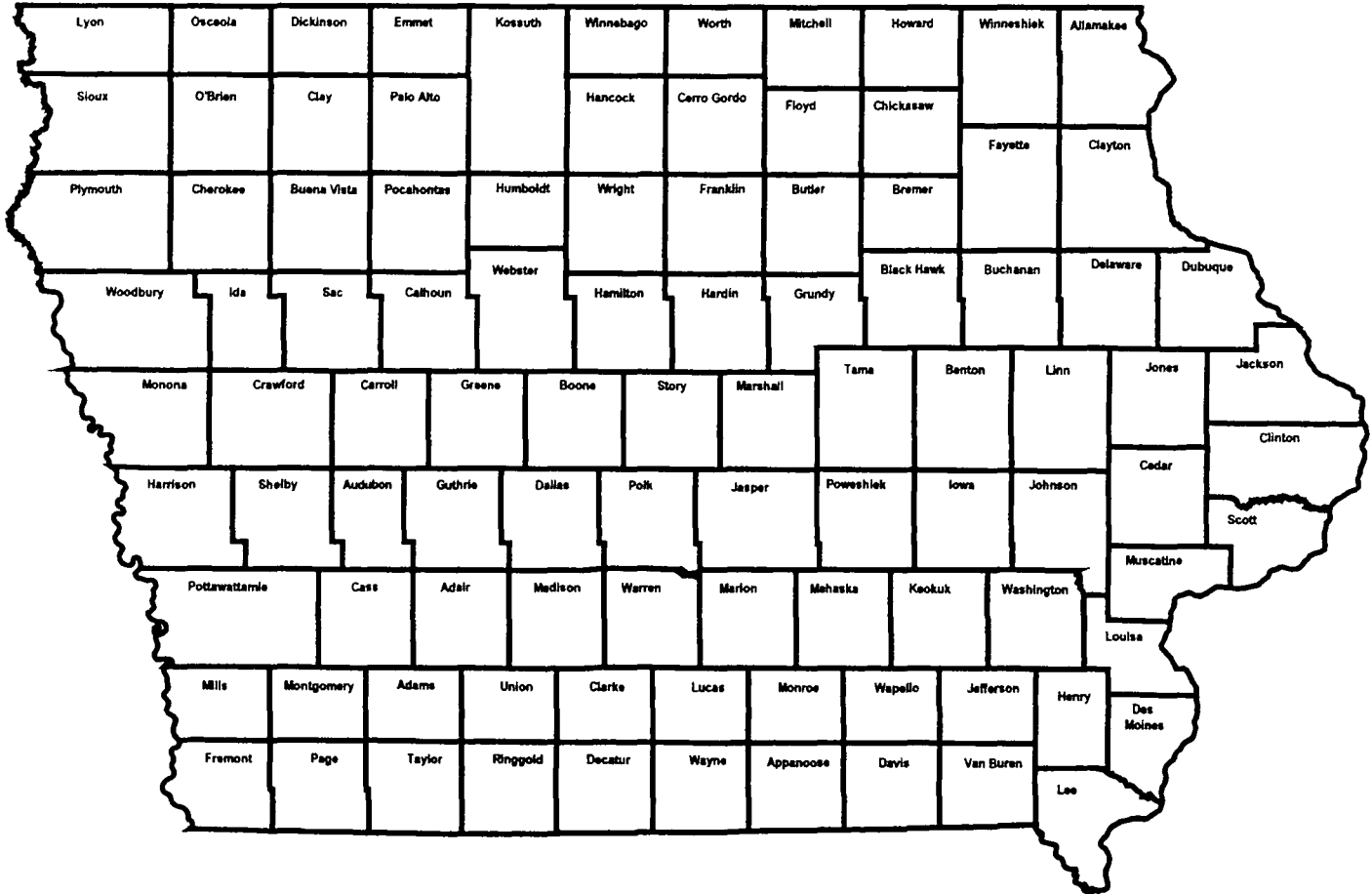


Figure 5. Percent decrease, 1980-1990.





Births, Deaths, and Natural Change in Iowa's Counties: 1978-1998

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The Iowa Department of Public Health records vital statistics for Iowa and its counties. Data for 1998 were released for births and deaths in the summer of 1999. Births are counted by the county of residence of the mother, which may not necessarily be the county in which the birth occurs. Similarly, deaths are reported by the county of residence of the deceased individual, although the death may have happened elsewhere.

Births

Iowa recorded 37,262 births in 1998, an increase of 621 from 1997 and the highest number since 1993 (Table 1, Figure 1). In the 1990s, births increased only from 1995 to 1996 and 1997 to 1998, although they gained each year from 1987 to 1990. More than 800 fewer births occurred in 1998 than 10 years earlier. When 1998 and 1978 were compared, the difference was nearly 7,300. The greatest decline (-2,434) between adjacent years occurred from 1985 to 1986. The gain of 2,204 between 1978 and 1979 was the highest from 1978 through 1998.

Comparison of the most recent years indicates that 48 counties had fewer births in 1998 than in 1997, 49 had more births in the more recent year, and two had the same number both years. Increases in the number of births ranged from less than 10 in 17 counties to at least 20 in 19 others, with the greatest increases occurring in Polk and Scott, the only ones gaining more than 100. Declines from 1997 to 1998 ranged from less than 10 in 15 counties to 30 or more in Chickasaw, Des Moines, Jones, and O'Brien.

Seventy-five counties had fewer births in 1998 than in 1988, indicating that most areas of Iowa reflected the state's trend. Only Dallas, Linn, Polk, and Woodbury had at least 50 more births in 1998 than 10 years earlier, with Polk's gain of 900 much greater than the others. Sixteen counties had at least 50 fewer births in 1998 than in 1988, although the only one greater than 100 was Pottawattamie. Only Dallas, Johnson, Linn, and Polk had more births in 1998 than in 1978.

Deaths

The number of deaths in Iowa has fluctuated much less than the number of births (Figure 1). The 28,320 deaths in 1998 outnumbered the 27,851 counted in 1988 by 469 (Table 2). Indeed, the 1998 total was greater than that in any other year since 1978. The change between adjacent years was greatest for 1992-1993; there were 1,371 more deaths in 1993 than in 1992. From 1978 through 1998, changes from one year to the next exceeded 1,000 only in the 1992-1993 comparison and decreased about as frequently as they increased from one year to the next.

Fifty-seven counties had more deaths in 1998 than the previous year. The increase was less than 10 in 18 counties and at least 50 in Cerro Gordo, Clayton, Dubuque, Linn, and Polk. Forty counties had fewer deaths in 1998 than in 1997; 13 had less than 10 fewer deaths in the more recent year, with Clinton the only one to decline by at least 40 deaths between 1997 and 1998.

Natural Change

The result of subtracting deaths from births is called natural change. This is an indication of population change caused by the natural events of birth and death. Iowa has had more births than deaths each year during the 1978-1998 period (Table 3). But births outnumbered deaths by a smaller margin

Table 1. Births in Iowa's Counties, 1978-1998.

County	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978
Adair	76	68	61	80	93	74	105	87	102	109	86	94	111	122	114	115	143	125	166	172	141
Adams	50	33	48	36	64	51	41	64	60	70	74	63	55	73	73	64	80	64	94	83	78
Allamakee	172	165	173	157	158	176	199	174	177	214	201	202	210	219	219	220	237	249	252	224	241
Appanoose	153	141	168	147	152	164	174	170	166	166	167	162	180	188	197	194	184	229	241	256	238
Audubon	72	82	63	75	88	72	70	76	91	83	82	95	89	111	135	120	119	112	151	125	121
Benton	325	281	264	298	292	308	304	336	318	292	286	283	295	309	328	291	307	349	414	367	364
Black Hawk	1638	1586	1601	1509	1605	1774	1651	1732	1699	1687	1628	1621	1739	1947	2093	2096	2245	2332	2382	2369	2270
Boone	295	289	299	309	313	274	289	312	329	309	347	318	295	326	333	347	367	384	395	382	355
Bremer	210	219	234	249	243	272	259	237	242	256	233	242	267	297	306	320	367	398	417	384	368
Buchanan	309	284	286	283	314	277	327	302	302	336	310	325	287	367	381	393	454	448	447	421	413
Buena Vista	236	259	228	219	243	238	274	265	287	253	302	263	294	314	290	302	313	344	322	302	280
Butler	162	160	148	166	163	169	159	162	184	180	189	179	209	201	242	259	255	236	284	269	296
Calhoun	114	97	115	114	106	90	120	111	130	124	111	145	152	149	140	171	196	170	204	193	196
Carroll	246	238	260	283	269	258	271	278	320	292	312	338	361	373	384	416	384	416	436	422	378
Cass	144	160	152	152	150	178	169	205	192	192	190	163	204	200	255	228	254	286	241	274	233
Cedar	185	198	195	204	193	203	197	217	221	224	197	189	195	251	253	259	266	285	260	285	265
Cerro Gordo	525	525	600	591	587	592	600	621	686	657	623	625	656	725	679	709	714	720	728	697	662
Cherokee	131	142	115	134	157	141	158	153	200	177	169	166	211	199	207	229	231	245	238	251	228
Chickasaw	126	157	123	152	169	179	166	166	199	182	170	154	201	177	224	224	265	260	258	273	238
Clarke	99	83	87	102	82	81	105	105	106	121	112	114	109	116	104	112	136	122	126	122	103
Clay	179	197	188	206	219	190	235	258	239	260	222	237	243	270	260	305	357	314	347	342	347
Clayton	207	195	176	206	207	242	228	254	242	262	234	250	256	298	282	306	327	364	343	330	320
Clinton	677	629	602	657	645	680	680	685	685	674	676	689	707	753	788	775	855	882	920	936	920
Crawford	193	211	232	178	176	208	196	205	228	204	256	277	247	263	256	323	294	300	321	306	313
Dallas	527	482	501	477	440	425	422	426	409	445	384	423	391	402	454	461	428	432	466	444	458
Davis	102	119	128	94	127	118	107	127	128	116	115	110	124	134	128	148	137	149	149	162	125
Decatur	92	98	97	97	113	88	88	94	91	99	98	110	95	106	112	107	136	125	129	130	98
Delaware	247	208	233	213	268	262	261	271	285	264	290	284	281	320	311	341	362	331	401	363	318
Des Moines	514	549	565	523	524	558	568	580	568	582	560	540	518	670	650	657	670	742	767	757	678
Dickinson	176	169	148	137	148	127	152	163	160	158	147	175	165	177	195	178	227	199	229	238	210
Dubuque	1152	1143	1197	1188	1176	1252	1168	1231	1260	1184	1192	1253	1199	1278	1362	1375	1447	1542	1584	1617	1531
Emmet	126	118	134	108	109	141	135	155	134	121	139	144	139	159	160	196	200	214	227	231	234
Fayette	235	260	249	271	302	255	278	295	289	279	297	263	278	298	357	362	404	380	405	359	402

Table 1. Births in Iowa's Counties, 1978-1998 (continued).

County	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978
Floyd	196	209	194	203	186	200	204	221	219	220	197	208	213	236	241	285	250	276	259	299	279
Franklin	112	130	126	116	133	120	126	130	124	132	136	139	148	173	193	165	176	191	195	187	198
Fremont	89	94	60	85	79	90	103	107	100	98	103	103	124	116	117	124	117	132	131	148	123
Greene	110	110	120	112	108	129	123	124	108	104	117	138	127	147	172	169	165	196	182	199	171
Grundy	136	128	124	98	111	141	113	136	146	138	142	121	148	143	170	187	167	182	227	225	187
Guthrie	122	127	130	121	126	105	155	138	122	111	117	104	115	119	156	144	149	160	179	158	158
Hamilton	218	210	182	193	203	193	206	220	209	213	199	198	243	199	254	235	219	259	257	280	243
Hancock	135	127	121	122	125	125	142	157	164	167	159	165	189	190	212	191	233	217	252	242	225
Hardin	206	189	216	244	218	204	192	209	213	214	224	218	233	270	283	311	324	318	348	299	295
Harrison	166	179	173	174	175	179	200	201	187	191	192	225	230	227	217	200	217	221	254	220	215
Henry	250	241	203	276	239	252	256	237	265	224	248	236	250	238	264	260	270	278	303	266	291
Howard	112	124	92	118	96	112	126	114	135	126	111	146	141	137	161	163	169	158	184	177	155
Humboldt	107	128	111	107	118	110	100	104	112	136	143	138	149	163	186	178	189	191	188	201	176
Ida	90	99	99	73	86	93	94	100	107	150	122	112	118	135	148	146	117	159	148	153	119
Iowa	174	156	227	192	212	213	196	208	213	236	178	179	215	182	216	217	216	230	229	261	205
Jackson	236	242	236	261	241	258	258	286	252	255	275	290	282	345	325	349	357	371	370	392	385
Jasper	420	436	426	416	439	423	455	471	432	461	446	438	418	472	462	440	524	506	530	527	536
Jefferson	172	161	171	153	172	177	185	186	192	202	208	178	218	222	224	233	209	210	217	212	197
Johnson	1275	1274	1272	1258	1288	1337	1359	1358	1406	1297	1330	1285	1278	1326	1306	1254	1299	1350	1276	1228	1170
Jones	183	213	224	196	253	235	243	255	251	236	240	216	220	290	262	275	280	272	323	317	314
Keokuk	142	127	134	145	129	143	147	176	150	152	160	147	137	157	185	185	166	199	223	181	181
Kossuth	173	174	163	174	196	219	199	226	251	240	245	249	265	262	295	350	344	332	397	396	338
Lee	449	446	477	479	435	526	540	494	496	492	509	544	526	589	582	596	623	663	693	690	690
Linn	2635	2584	2540	2597	2550	2551	2644	2632	2641	2507	2465	2373	2345	2450	2499	2479	2642	2567	2826	2652	2533
Louisa	173	190	161	174	161	184	143	148	163	149	141	167	144	145	161	172	178	201	172	209	179
Lucas	115	95	123	100	129	117	100	111	116	93	111	101	113	110	132	115	164	135	170	137	146
Lyon	149	137	150	136	165	162	180	156	178	167	183	176	160	183	194	207	214	238	236	231	215
Madison	164	169	152	159	160	162	155	158	158	167	161	138	140	164	154	150	158	155	197	173	193
Mahaska	285	258	260	291	272	277	264	300	285	316	295	296	326	318	325	339	342	331	400	327	352
Marion	403	333	378	363	419	391	412	364	374	398	363	405	368	439	403	434	463	439	449	458	443
Marshall	511	472	553	516	523	523	471	458	502	488	488	455	520	555	588	622	617	654	673	625	576
Mills	194	159	177	158	183	159	151	170	136	168	154	173	171	167	192	173	174	212	225	219	194
Mitchell	123	133	130	129	142	154	126	148	131	127	137	133	147	148	149	173	154	171	196	189	182

Table 1. Births in Iowa's Counties, 1978-1998 (continued).

County	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978
Monona	99	109	98	126	124	106	145	133	114	113	105	110	129	105	140	176	157	161	179	163	178
Monroe	77	95	97	89	87	119	98	111	116	96	88	107	104	109	122	120	111	135	133	137	130
Montgomery	152	112	160	161	160	141	165	138	158	150	148	153	136	152	179	189	183	187	205	221	191
Muscatine	614	570	591	629	626	642	656	676	665	682	615	560	635	632	635	709	754	732	714	730	680
O'Brien	160	192	190	200	174	191	199	176	184	195	173	184	206	213	235	263	274	287	279	277	274
Osceola	76	80	79	90	70	81	86	107	94	100	104	87	88	107	105	131	124	127	137	131	122
Page	190	171	191	174	181	164	166	179	200	220	209	189	183	235	204	226	237	266	270	285	292
Palo Alto	107	122	98	95	107	109	112	111	95	140	133	122	134	181	162	215	184	214	209	196	187
Plymouth	306	328	312	316	311	307	317	296	346	310	311	353	376	334	409	415	392	455	427	448	379
Pocahontas	71	77	68	66	84	88	99	104	124	110	135	109	121	167	150	160	150	149	160	154	158
Polk	5898	5685	5782	5455	5458	5460	5560	5494	5367	5545	4998	4987	4956	5087	4909	4974	4969	5093	5087	4880	4714
Pottawattamie	1160	1185	1102	1142	1156	1193	1261	1299	1361	1281	1295	1252	1328	1334	1379	1426	1411	1469	1468	1455	1383
Poweshiek	195	192	194	215	211	205	215	237	226	226	203	187	223	220	220	244	254	261	247	277	249
Ringgold	47	65	43	55	30	38	57	53	44	53	56	60	45	78	84	71	107	80	86	86	75
Sac	112	130	159	136	126	139	140	125	145	153	142	149	153	177	182	175	183	235	235	203	209
Scott	2339	2175	2303	2251	2243	2408	2483	2409	2430	2376	2368	2292	2545	2543	2647	2641	2751	2824	2954	2856	2750
Shelby	142	140	115	156	146	163	154	156	182	163	170	172	160	171	237	211	240	189	253	208	198
Sioux	400	413	376	410	380	437	433	439	434	432	471	457	494	511	519	574	560	584	636	579	637
Story	860	846	904	856	844	785	878	900	927	874	949	933	944	1035	1039	1075	1010	1054	1055	1074	1011
Tama	222	248	230	236	236	225	226	213	215	218	207	233	227	250	260	269	285	259	289	299	287
Taylor	66	79	75	76	78	70	75	63	92	79	73	86	71	91	102	102	133	119	135	135	119
Union	156	136	163	154	119	152	149	143	148	166	143	152	167	150	165	190	192	226	212	215	210
Van Buren	107	79	86	76	104	108	91	98	89	93	123	103	94	107	111	111	117	136	126	133	110
Wapello	391	416	459	403	428	465	422	481	490	484	420	446	467	468	534	480	564	547	597	555	556
Warren	504	513	481	481	449	499	516	550	479	499	483	487	466	506	489	485	495	514	551	554	524
Washington	284	254	327	308	279	273	269	277	307	301	280	298	273	269	307	282	290	293	326	345	292
Wayne	56	57	64	80	78	71	74	74	83	77	89	75	75	96	94	84	93	105	123	139	92
Webster	513	520	496	498	525	534	566	563	597	605	589	595	574	631	631	671	733	675	760	724	693
Winnebago	127	135	144	134	135	121	141	138	148	165	164	152	171	162	170	172	178	162	197	213	211
Winneshiek	208	200	212	240	242	229	255	252	259	269	272	269	288	287	321	321	309	300	327	330	295
Woodbury	1664	1691	1699	1700	1651	1651	1665	1623	1631	1496	1582	1542	1457	1652	1601	1645	1691	1809	1793	1850	1712
Worth	90	75	85	89	91	94	91	99	99	107	100	98	103	117	115	110	130	129	127	123	126
Wright	149	152	172	139	157	156	171	188	214	191	174	177	171	196	203	206	208	220	247	224	229
State of Iowa	37262	36641	37130	36790	37057	37805	38459	38925	39330	38916	38070	37866	38748	41182	42360	43247	44716	45918	47797	46763	44559

Table 2. Deaths in Iowa's Counties, 1978-1998.

County	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978
Adair	96	117	135	111	127	122	107	111	104	101	103	124	124	103	115	113	104	110	112	112	112
Adams	68	56	55	75	66	61	56	63	57	70	78	55	61	54	79	66	75	67	75	69	78
Allamakee	191	155	165	167	167	171	179	165	198	189	170	185	191	182	167	175	163	169	189	155	179
Appanoose	157	186	194	190	189	200	173	197	179	175	191	197	164	221	183	169	168	196	212	208	200
Audubon	90	64	100	98	109	107	118	98	88	84	115	94	84	112	74	100	117	102	75	95	102
Benton	214	229	207	210	201	207	207	222	197	235	250	235	210	219	213	246	207	213	213	242	245
Black Hawk	1159	1157	1143	1113	1239	1194	1130	1123	1142	1066	1114	1080	1034	1081	998	1112	1059	1041	1059	1108	1085
Boone	326	300	301	307	304	307	266	278	289	279	321	282	268	281	267	286	321	281	290	301	321
Bremer	243	204	211	235	235	266	216	214	229	211	238	235	223	207	205	188	186	213	227	227	207
Buchanan	223	221	197	230	204	231	202	180	185	199	204	183	190	180	211	216	218	171	192	206	222
Buena Vista	224	212	215	210	215	217	196	200	210	253	240	221	210	260	214	253	217	240	246	241	201
Butler	188	192	177	201	202	195	202	176	169	197	182	191	209	180	183	191	186	160	166	178	177
Calhoun	152	178	153	181	141	169	185	171	148	202	174	169	157	211	174	168	173	164	186	166	216
Carroll	253	242	243	219	229	229	233	217	214	202	210	229	190	216	237	244	252	240	238	219	264
Cass	193	197	202	213	175	180	184	213	206	225	230	198	222	243	217	213	211	189	210	190	251
Cedar	184	199	172	177	175	157	155	148	176	166	169	169	174	171	175	176	167	177	177	170	202
Cerro Gordo	569	492	527	539	489	504	490	457	481	463	474	483	470	468	518	446	477	483	467	461	504
Cherokee	169	164	192	141	158	158	163	166	171	170	164	177	156	184	168	172	171	172	176	160	185
Chickasaw	127	135	137	161	168	156	124	159	142	132	133	169	149	150	157	141	116	161	159	157	166
Clarke	105	80	102	106	91	106	103	113	93	109	99	93	87	111	102	96	83	101	106	103	93
Clay	201	168	165	213	165	182	172	185	158	182	171	189	199	169	180	165	161	171	186	192	166
Clayton	255	187	220	226	219	214	220	239	201	227	225	232	236	261	239	228	234	217	235	246	222
Clinton	531	575	565	545	531	548	518	540	559	556	577	502	555	491	546	604	539	580	534	544	590
Crawford	163	178	181	152	172	179	171	155	170	160	160	172	201	214	190	197	183	201	179	187	201
Dallas	299	317	301	300	295	274	273	278	287	274	292	304	268	270	265	267	272	259	262	303	246
Davis	113	79	103	119	91	107	87	103	100	99	96	89	96	108	86	120	105	118	96	98	92
Decatur	99	132	102	89	113	118	128	134	106	105	98	105	118	121	91	141	136	99	119	110	120
Delaware	140	152	158	171	149	173	181	144	171	165	160	153	178	176	184	166	186	169	182	206	189
Des Moines	429	445	454	468	412	428	399	474	456	493	519	438	495	520	442	422	488	405	466	411	459
Dickinson	193	173	181	179	184	172	149	163	160	161	179	147	145	162	169	156	172	152	135	144	152
Dubuque	870	791	820	846	871	854	810	841	840	853	796	782	818	801	822	802	798	847	803	775	825
Emmet	133	143	142	129	133	146	147	130	134	156	122	132	123	143	151	137	137	133	159	137	127
Fayette	270	259	259	232	255	255	242	266	257	266	275	269	287	295	277	273	288	290	260	255	266

Table 2. Deaths in Iowa's Counties, 1978-1998 (continued).

County	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978
Floyd	206	200	215	211	198	220	216	214	203	219	220	178	207	246	182	213	226	198	231	198	223
Franklin	137	135	135	142	138	145	117	130	120	136	156	157	123	141	151	131	131	135	135	154	164
Fremont	124	113	122	131	129	115	127	105	104	122	129	143	126	110	131	122	125	122	119	153	111
Greene	148	131	153	138	104	116	141	143	142	123	159	148	137	159	155	147	135	166	136	140	132
Grundy	144	135	141	134	122	127	89	134	117	130	148	128	136	139	112	135	147	123	138	154	138
Guthrie	150	118	146	147	139	145	136	133	142	147	190	165	158	152	153	166	176	149	165	160	120
Hamilton	154	193	183	186	154	171	183	186	177	194	199	169	173	167	171	195	200	165	162	192	181
Hancock	117	128	130	153	124	135	132	115	130	111	150	135	125	142	133	144	131	147	159	146	135
Hardin	294	247	241	225	244	243	267	239	237	231	226	243	263	244	246	230	233	262	243	246	234
Harrison	209	173	227	189	180	230	200	202	198	177	221	212	173	205	188	190	204	197	205	178	170
Henry	183	196	188	200	197	233	200	215	169	209	194	219	185	209	197	180	197	179	207	207	176
Howard	146	139	123	133	132	125	122	118	124	107	129	153	130	144	146	137	133	139	112	137	121
Humboldt	112	116	130	130	115	141	140	130	135	99	122	113	125	130	133	119	129	113	136	112	125
Ida	111	85	101	125	109	117	104	117	115	86	115	115	109	103	101	113	104	99	107	94	95
Iowa	173	156	183	176	164	172	163	155	174	152	169	196	144	162	162	168	178	150	161	133	152
Jackson	211	232	256	221	221	228	202	241	209	247	225	237	219	229	220	198	220	226	237	207	229
Jasper	340	340	344	361	381	365	356	374	298	329	361	343	343	329	335	376	310	343	341	327	332
Jefferson	162	157	159	142	137	166	160	173	153	145	160	162	169	165	171	177	168	168	154	157	147
Johnson	486	476	492	480	475	455	436	451	429	461	421	452	444	482	444	452	403	392	395	412	396
Jones	188	163	184	168	170	177	167	202	192	174	194	178	201	184	174	179	172	209	167	195	180
Keokuk	121	151	145	134	138	137	124	138	165	151	171	152	147	168	169	186	154	189	166	193	141
Kossuth	214	209	195	222	194	223	196	207	197	189	203	195	206	204	197	220	230	209	217	248	212
Lee	419	426	435	460	470	463	444	453	398	423	459	435	446	453	387	462	406	458	456	406	453
Linn	1392	1337	1333	1358	1361	1356	1230	1274	1237	1288	1288	1269	1307	1245	1181	1287	1222	1227	1271	1183	1239
Louisa	111	101	110	122	137	147	113	100	121	103	136	107	119	101	104	109	122	119	110	110	109
Lucas	130	118	111	112	118	107	122	122	129	139	126	107	114	152	119	125	131	130	115	142	121
Lyon	116	118	124	133	123	136	116	137	115	128	96	117	137	121	120	120	105	105	134	135	121
Madison	182	173	138	159	145	143	164	150	156	144	156	141	156	153	143	160	128	140	126	128	135
Mahaska	205	204	234	224	240	223	220	224	250	243	237	230	261	267	261	248	243	244	233	245	247
Marion	355	314	330	327	315	308	326	303	329	315	323	276	297	287	308	293	277	297	256	275	276
Marshall	498	511	522	529	514	497	456	506	485	500	421	458	392	437	417	439	423	412	427	411	394
Mills	123	139	134	116	123	149	110	129	129	147	123	148	140	138	128	111	144	123	133	105	109
Mitchell	148	151	146	139	136	157	153	135	148	150	140	166	108	154	161	169	150	138	142	171	152

Table 2. Deaths in Iowa's Counties, 1978-1998 (continued).

County	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978
Monona	160	155	161	156	160	158	162	147	156	143	153	144	149	177	172	167	159	139	143	150	174
Monroe	95	99	99	111	115	96	118	109	105	137	104	112	127	113	109	125	117	139	116	132	114
Montgomery	177	177	197	190	145	183	156	176	181	186	178	175	177	165	195	147	173	151	152	178	169
Muscatine	377	358	329	368	414	380	375	391	357	377	340	383	341	379	389	360	364	359	339	376	389
O'Brien	188	181	198	194	204	184	192	205	190	182	200	209	159	194	198	195	215	166	198	206	182
Osceola	89	79	91	93	90	72	77	88	66	78	81	101	97	96	88	99	81	96	105	89	97
Page	229	253	212	256	215	211	224	236	230	214	235	239	238	256	234	253	243	281	223	265	246
Palo Alto	147	140	146	131	141	153	124	144	140	139	147	145	140	149	135	149	147	147	148	149	137
Plymouth	241	248	241	243	213	224	244	225	235	220	215	243	210	246	245	249	244	207	246	232	220
Pocahontas	109	129	120	108	135	119	127	132	121	132	160	128	114	150	145	131	176	132	169	149	156
Polk	2856	2704	2738	2684	2605	2617	2466	2614	2539	2571	2604	2484	2499	2533	2427	2461	2373	2393	2456	2374	2486
Pottawattamie	853	805	759	757	790	769	731	754	746	731	829	819	747	802	800	772	752	771	786	671	756
Poweshiek	247	204	213	198	201	184	204	170	196	195	206	188	199	195	209	175	192	187	192	179	206
Ringgold	72	91	74	71	88	83	77	74	84	65	71	78	80	88	70	73	74	89	84	84	104
Sac	174	170	167	162	167	176	155	144	178	177	165	168	172	176	168	178	188	173	147	166	162
Scott	1302	1269	1182	1302	1259	1307	1224	1171	1105	1218	1211	1217	1236	1174	1214	1234	1093	1209	1173	1196	1169
Shelby	151	189	143	170	169	147	146	153	151	161	163	147	151	155	139	161	146	158	168	162	144
Sioux	244	270	237	229	244	242	218	218	228	238	255	238	235	278	235	228	234	229	236	221	238
Story	450	452	418	425	389	420	412	453	415	405	412	411	418	425	357	396	404	361	402	394	396
Tama	200	195	223	219	229	222	170	216	226	209	176	198	209	232	210	201	187	234	211	237	252
Taylor	102	108	106	87	99	95	94	115	105	133	98	119	122	98	106	126	127	127	114	126	155
Union	154	152	166	169	159	163	160	165	167	156	171	175	168	167	166	181	170	174	153	143	165
Van Buren	109	96	99	99	102	106	97	108	87	118	134	107	116	117	83	123	109	99	119	117	114
Wapello	441	444	447	452	428	463	418	488	473	459	476	442	506	443	513	488	441	477	498	463	522
Warren	323	296	339	264	316	285	233	282	283	272	288	242	246	244	261	230	223	217	227	214	241
Washington	220	231	249	213	245	236	206	243	215	217	212	219	208	235	226	226	186	203	207	230	207
Wayne	121	127	109	107	119	101	112	102	92	96	104	107	124	138	111	129	97	142	128	117	112
Webster	454	492	492	490	489	483	482	489	451	459	495	490	448	473	468	486	489	489	472	460	511
Winnebago	147	135	151	128	137	150	158	151	138	125	150	147	119	139	151	137	134	145	133	140	146
Winneshiek	181	178	182	188	178	175	159	176	219	183	198	182	221	229	207	224	178	188	179	172	213
Woodbury	984	962	935	1021	985	982	974	918	939	956	1017	943	940	950	950	970	1013	971	984	917	978
Worth	108	98	97	120	102	96	94	96	115	86	120	102	108	108	103	108	100	104	93	95	117
Wright	179	218	191	177	198	210	173	175	178	165	187	181	185	199	189	177	196	209	208	182	204
State of Iowa	28320	27669	27800	27962	27651	27951	26580	27306	26815	27147	27851	27213	27021	27810	26972	27509	26852	26930	27096	26816	27417

Table 3. Natural Change in Iowa's Counties, 1978-1998.

County	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978
Adair	-20	-49	-74	-31	-34	-48	-2	-24	-2	8	-17	-30	-13	19	-1	2	39	15	54	60	29
Adams	-18	-23	-7	-39	-2	-10	-15	1	3	0	-4	8	-6	19	-6	-2	5	-3	19	14	0
Allamakee	-19	10	8	-10	-9	5	20	9	-21	25	31	17	19	37	52	45	74	80	63	69	62
Appanoose	-4	-45	-26	-43	-37	-36	1	-27	-13	-9	-24	-35	16	-33	14	25	16	33	29	48	38
Audubon	-18	18	-37	-23	-21	-35	-48	-22	3	-1	-33	1	5	-1	61	20	2	10	76	30	19
Benton	111	52	57	88	91	101	97	114	121	57	36	48	85	90	115	45	100	136	201	125	119
Black Hawk	479	429	458	396	366	580	521	609	557	621	514	541	705	866	1095	984	1186	1291	1323	1261	1185
Boone	-31	-11	-2	2	9	-33	23	34	40	30	26	36	27	45	66	61	46	103	105	81	34
Bremer	-33	15	23	14	8	6	43	23	13	45	-5	7	44	90	101	132	181	185	190	157	161
Buchanan	86	63	89	53	110	46	125	122	117	137	106	142	97	187	170	177	236	277	255	215	191
Buena Vista	12	47	13	9	28	21	78	65	77	0	62	42	84	54	76	49	96	104	76	61	79
Butler	-26	-32	-29	-35	-39	-26	-43	-14	15	-17	7	-12	0	21	59	68	69	76	118	91	119
Calhoun	-38	-81	-38	-67	-35	-79	-65	-60	-18	-78	-63	-24	-5	-62	-34	3	23	6	18	27	-20
Carroll	-7	-4	17	64	40	29	38	61	106	90	102	109	171	157	147	172	132	176	198	203	114
Cass	-49	-37	-50	-61	-25	-2	-15	-8	-14	-33	-40	-35	-18	-43	38	15	43	97	31	84	-18
Cedar	1	-1	23	27	18	46	42	69	45	58	28	20	21	80	78	83	99	108	83	115	63
Cerro Gordo	-44	33	73	52	98	88	110	164	205	194	149	142	186	257	161	263	237	237	261	236	158
Cherokee	-38	-22	-77	-7	-1	-17	-5	-13	29	7	5	-11	55	15	39	57	60	73	62	91	43
Chickasaw	-1	22	-14	-9	1	23	42	7	57	50	37	-15	52	27	67	83	149	99	99	116	72
Clarke	-6	3	-15	-4	-9	-25	2	-8	13	12	13	21	22	5	2	16	53	21	20	19	10
Clay	-22	29	23	-7	54	8	63	73	81	78	51	48	44	101	80	140	196	143	161	150	181
Clayton	-48	8	-44	-20	-12	28	8	15	41	35	9	18	20	37	43	78	93	147	108	84	98
Clinton	146	54	37	112	114	132	162	145	126	118	99	187	152	262	242	171	316	302	386	392	330
Crawford	30	33	51	26	4	29	25	50	58	44	96	105	46	49	66	126	111	99	142	119	112
Dallas	228	165	200	177	145	151	149	148	122	171	92	119	123	132	189	194	156	173	204	141	212
Davis	-11	40	25	-25	36	11	20	24	28	17	19	21	28	26	42	28	32	31	53	64	33
Decatur	-7	-34	-5	8	0	-30	-40	-40	-15	-6	0	5	-23	-15	21	-34	0	26	10	20	-22
Delaware	107	56	75	42	119	89	80	127	114	99	130	131	103	144	127	175	176	162	219	157	129
Des Moines	85	104	111	55	112	130	169	106	112	89	41	102	23	150	208	235	182	337	301	346	219
Dickinson	-17	-4	-33	-42	-36	-45	3	0	0	-3	-32	28	20	15	26	22	55	47	94	94	58
Dubuque	282	352	377	342	305	398	358	390	420	331	396	471	381	477	540	573	649	695	781	842	706
Emmet	-7	-25	-8	-21	-24	-5	-12	25	0	-35	17	12	16	16	9	59	63	81	68	94	107
Fayette	-35	1	-10	39	47	0	36	29	32	13	22	-6	-9	3	80	89	116	90	145	104	136

Table 3. Natural Change in Iowa's Counties, 1978-1998 (continued).

County	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978
Floyd	-10	9	-21	-8	-12	-20	-12	7	16	1	-23	30	6	-10	59	72	24	78	28	101	56
Franklin	-25	-5	-9	-26	-5	-25	9	0	4	-4	-20	-18	25	32	42	34	45	56	60	33	34
Fremont	-35	-19	-62	-46	-50	-25	-24	2	-4	-24	-26	-40	-2	6	-14	2	-8	10	12	-5	12
Greene	-38	-21	-33	-26	4	13	-18	-19	-34	-19	-42	-10	-10	-12	17	22	30	30	46	59	39
Grundy	-8	-7	-17	-36	-11	14	24	2	29	8	-6	-7	12	4	58	52	20	59	89	71	49
Guthrie	-28	9	-16	-26	-13	-40	19	5	-20	-36	-73	-61	-43	-33	3	-22	-27	11	14	-2	38
Hamilton	64	17	-1	7	49	22	23	34	32	19	0	29	70	32	83	40	19	94	95	88	62
Hancock	18	-1	-9	-31	1	-10	10	42	34	56	9	30	64	48	79	47	102	70	93	96	90
Hardin	-88	-58	-25	19	-26	-39	-75	-30	-24	-17	-2	-25	-30	26	37	81	91	56	105	53	61
Harrison	-43	6	-54	-15	-5	-51	0	-1	-11	14	-29	13	57	22	29	10	13	24	49	42	45
Henry	67	45	15	76	42	19	56	22	96	15	54	17	65	29	67	80	73	99	96	59	115
Howard	-34	-15	-31	-15	-36	-13	4	-4	11	19	-18	-7	11	-7	15	26	36	19	72	40	34
Humboldt	-5	12	-19	-23	3	-31	-40	-26	-23	37	21	25	24	33	53	59	60	78	52	89	51
Ida	-21	14	-2	-52	-23	-24	-10	-17	-8	64	7	-3	9	32	47	33	13	60	41	59	24
Iowa	1	0	44	16	48	41	33	53	39	84	9	-17	71	20	54	49	38	80	68	128	53
Jackson	25	10	-20	40	20	30	56	45	43	8	50	53	63	116	105	151	137	145	133	185	156
Jasper	80	96	82	55	58	58	99	97	134	132	85	95	75	143	127	64	214	163	189	200	204
Jefferson	10	4	12	11	35	11	25	13	39	57	48	16	49	57	53	56	41	42	63	55	50
Johnson	789	798	780	778	813	882	923	907	977	836	909	833	834	844	862	802	896	958	881	816	774
Jones	-5	50	40	28	83	58	76	53	59	62	46	38	19	106	88	96	108	63	156	122	134
Keokuk	21	-24	-11	11	-9	6	23	38	-15	1	-11	-5	-10	-11	16	-1	12	10	57	-12	40
Kossuth	-41	-35	-32	-48	2	-4	3	19	54	51	42	54	59	58	98	130	114	123	180	148	126
Lee	30	20	42	19	-35	63	96	41	98	69	50	109	80	136	195	134	217	205	237	284	237
Linn	1243	1247	1207	1239	1189	1195	1414	1358	1404	1219	1177	1104	1038	1205	1318	1192	1420	1340	1555	1469	1294
Louisa	62	89	51	52	24	37	30	48	42	46	5	60	25	44	57	63	56	82	62	99	70
Lucas	-15	-23	12	-12	11	10	-22	-11	-13	-46	-15	-6	-1	-42	13	-10	33	5	55	-5	25
Lyon	33	19	26	3	42	26	64	19	63	39	87	59	23	62	74	87	109	133	102	96	94
Madison	-18	-4	14	0	15	19	-9	8	2	23	5	-3	-16	11	11	-10	30	15	71	45	58
Mahaska	80	54	26	67	32	54	44	76	35	73	58	66	65	51	64	91	99	87	167	82	105
Marion	48	19	48	36	104	83	86	61	45	83	40	129	71	152	95	141	186	142	193	183	167
Marshall	13	-39	31	-13	9	26	15	-48	17	-12	67	-3	128	118	171	183	194	242	246	214	182
Mills	71	20	43	42	60	10	41	41	7	21	31	25	31	29	64	62	30	89	92	114	85
Mitchell	-25	-18	-16	-10	6	-3	-27	13	-17	-23	-3	-33	39	-6	-12	4	4	33	54	18	30

Table 3. Natural Change in Iowa's Counties, 1978-1998 (continued).

County	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978
Monona	-61	-46	-63	-30	-36	-52	-17	-14	-42	-30	-48	-34	-20	-72	-32	9	-2	22	36	13	4
Monroe	-18	-4	-2	-22	-28	23	-20	2	11	-41	-16	-5	-23	-4	13	-5	-6	-4	17	5	16
Montgomery	-25	-65	-37	-29	15	-42	9	-38	-23	-36	-30	-22	-41	-13	-16	42	10	36	53	43	22
Muscatine	237	212	262	261	212	262	281	285	308	305	275	177	294	253	246	349	390	373	375	354	291
O'Brien	-28	11	-8	6	-30	7	7	-29	-6	13	-27	-25	47	19	37	68	59	121	81	71	92
Osceola	-13	1	-12	-3	-20	9	9	19	28	22	23	-14	-9	11	17	32	43	31	32	42	25
Page	-39	-82	-21	-82	-34	-47	-58	-57	-30	6	-26	-50	-55	-21	-30	-27	-6	-15	47	20	46
Palo Alto	-40	-18	-48	-36	-34	-44	-12	-33	-45	1	-14	-23	-6	32	27	66	37	67	61	47	50
Plymouth	65	80	71	73	98	83	73	71	111	90	96	110	166	88	164	166	148	248	181	216	159
Pocahontas	-38	-52	-52	-42	-51	-31	-28	-28	3	-22	-25	-19	7	17	5	29	-26	17	-9	5	2
Polk	3042	2981	3044	2771	2853	2843	3094	2880	2828	2974	2394	2503	2457	2554	2482	2513	2596	2700	2631	2506	2228
Pottawattamie	307	380	343	385	366	424	530	545	615	550	466	433	581	532	579	654	659	698	682	784	627
Poweshiek	-52	-12	-19	17	10	21	11	67	30	31	-3	-1	24	25	11	69	62	74	55	98	43
Ringgold	-25	-26	-31	-16	-58	-45	-20	-21	-40	-12	-15	-18	-35	-10	14	-2	33	-9	2	2	-29
Sac	-62	-40	-8	-26	-41	-37	-15	-19	-33	-24	-23	-19	-19	1	14	-3	-5	62	88	37	47
Scott	1037	906	1121	949	984	1101	1259	1238	1325	1158	1157	1075	1309	1369	1433	1407	1658	1615	1781	1660	1581
Shelby	-9	-49	-28	-14	-23	16	8	3	31	2	7	25	9	16	98	50	94	31	85	46	54
Sioux	156	143	139	181	136	195	215	221	206	194	216	219	259	233	284	346	326	355	400	358	399
Story	410	394	486	431	455	365	466	447	512	469	537	522	526	610	682	679	606	693	653	680	615
Tama	22	53	7	17	7	3	56	-3	-11	9	31	35	18	18	50	68	98	25	78	62	35
Taylor	-36	-29	-31	-11	-21	-25	-19	-52	-13	-54	-25	-33	-51	-7	-4	-24	6	-8	21	9	-36
Union	2	-16	-3	-15	-40	-11	-11	-22	-19	10	-28	-23	-1	-17	-1	9	22	52	59	72	45
Van Buren	-2	-17	-13	-23	2	2	-6	-10	2	-25	-11	-4	-22	-10	28	-12	8	37	7	16	-4
Wapello	-50	-28	12	-49	0	2	4	-7	17	25	-56	4	-39	25	21	-8	123	70	99	92	34
Warren	181	217	142	217	133	214	283	268	196	227	195	245	220	262	228	255	272	297	324	340	283
Washington	64	23	78	95	34	37	63	34	92	84	68	79	65	34	81	56	104	90	119	115	85
Wayne	-65	-70	-45	-27	-41	-30	-38	-28	-9	-19	-15	-32	-49	-42	-17	-45	-4	-37	-5	22	-20
Webster	59	28	4	8	36	51	84	74	146	146	94	105	126	158	163	185	244	186	288	264	182
Winnebago	-20	0	-7	6	-2	-29	-17	-13	10	40	14	5	52	23	19	35	44	17	64	73	65
Winneshiak	27	22	30	52	64	54	96	76	40	86	74	87	67	58	114	97	131	112	148	158	82
Woodbury	680	729	764	679	666	669	691	705	692	540	565	599	517	702	651	675	678	838	809	933	734
Worth	-18	-23	-12	-31	-11	-2	-3	3	-16	21	-20	-4	-5	9	12	2	30	25	34	28	9
Wright	-30	-66	-19	-38	-41	-54	-2	13	36	26	-13	-4	-14	-3	14	29	12	11	39	42	25
State of Iowa	8942	8972	9330	8828	9406	9854	11879	11619	12515	11769	10219	10653	11727	13372	15388	15738	17864	18988	20701	19947	17142

each year from 1980 through 1988. This trend was reversed from 1988 to 1990 and changed little from 1990 through 1992. In 1993, a substantial decline occurred; there were 9,854 more births than deaths that year, compared with 11,879 in 1992. This narrowing of the difference between total numbers of births and deaths continued through 1995, when 8,828 more were born than died. This reversed slightly in 1996, when there were 9,330 more births than deaths. The gap continued to decrease between numbers of births and deaths in 1997 (8,972) and 1998 (8,942).

Forty-two counties reported natural increases (more births than deaths) in 1998. These ranged from less than 50 in 15 counties to more than 100 in 16 others. Three counties (Linn, Polk, Scott) had at least 1,000 more births than deaths in 1998. Two others (Johnson, Woodbury) had natural increases of at least 500 that year.

Fifty-seven of Iowa's 99 counties had natural decreases (more deaths than births) in 1998 (Figure 2). This was an increase from the 43 reported in 1997, which resumes the pattern from 1989 to 1996 (Figure 3). Deaths in 1998 outnumbered births by at least 50 in Hardin, Monona, Poweshiek, Sac, Wapello, and Wayne.

Nearly a third (31) of the counties recorded more births than deaths every year from 1978 through 1998. The decline in the magnitude of natural increase was great in some counties, however. In Webster, for example, there were 288 more births than deaths in 1980 but only 4 more in 1996; in Black Hawk, births outnumbered deaths by 1,323 in 1980 and 366 in 1994. While more than two-thirds (68) of the counties had at least one year with natural decrease, only Wayne had more deaths than births every year except one. Twenty-five others had natural decreases occurring in at least 11 of the 21 years examined. Eleven counties reported more deaths than births in at least 14 of the 21 years—or 2 of every 3 years.

Concluding Comments

While the number of deaths in Iowa has changed relatively little through the 1980s and 1990s, births declined substantially. In the late 1970s and early 1980s, the state and nearly all counties had more births than deaths. Beginning in 1994, however, at least 4 of every 10 counties experienced more deaths than births. These trends suggest that many counties will continue to have difficulty adding to their populations through natural events.

Note: See an annual publication called VITAL STATISTICS OF IOWA for more detailed data on births and deaths (Iowa Department of Public Health, Lucas State Office Building, Des Moines, IA 50319).

Figure 1. Births and deaths in Iowa, 1915-1998.

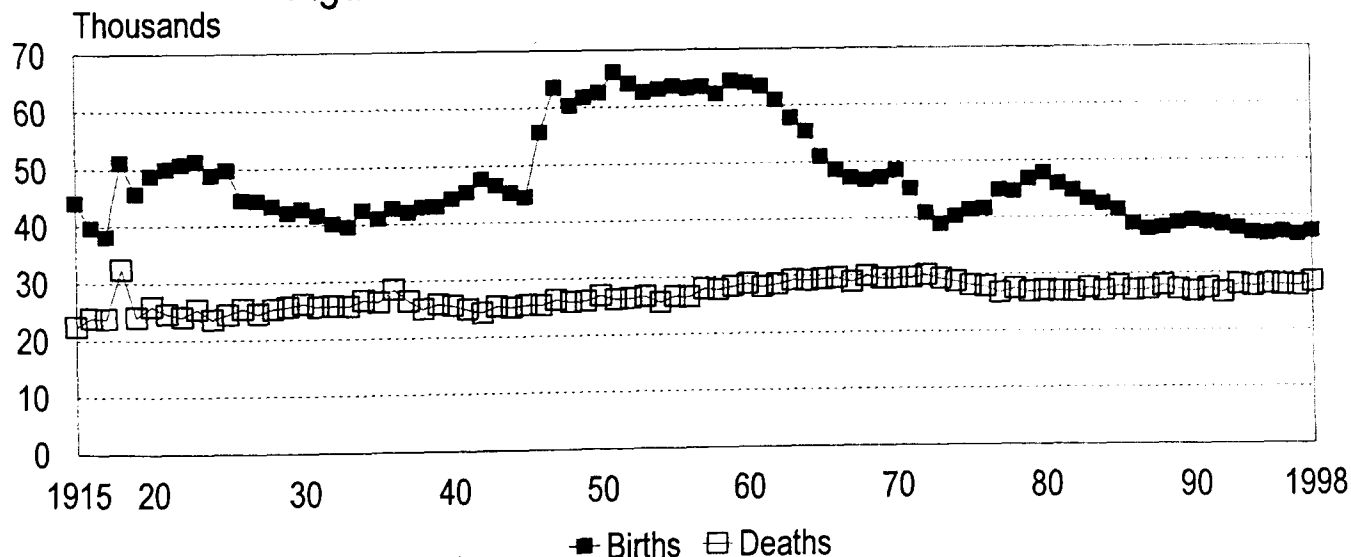


Figure 2. Natural change, 1998.

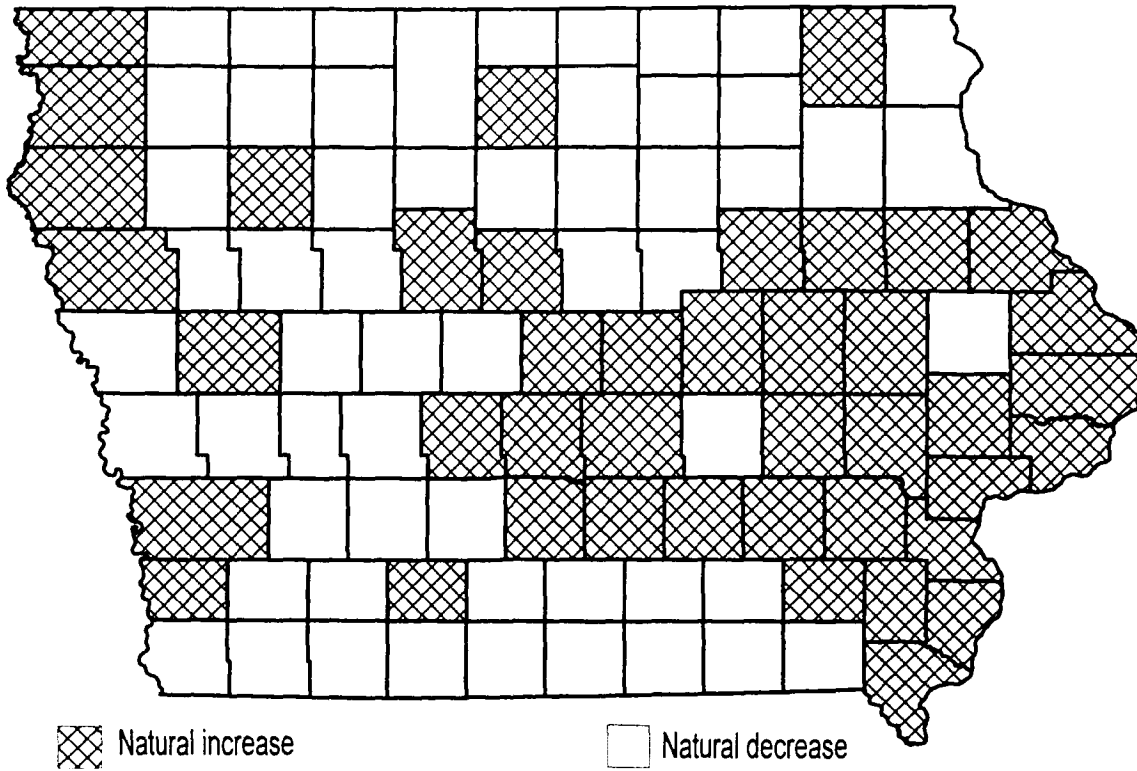
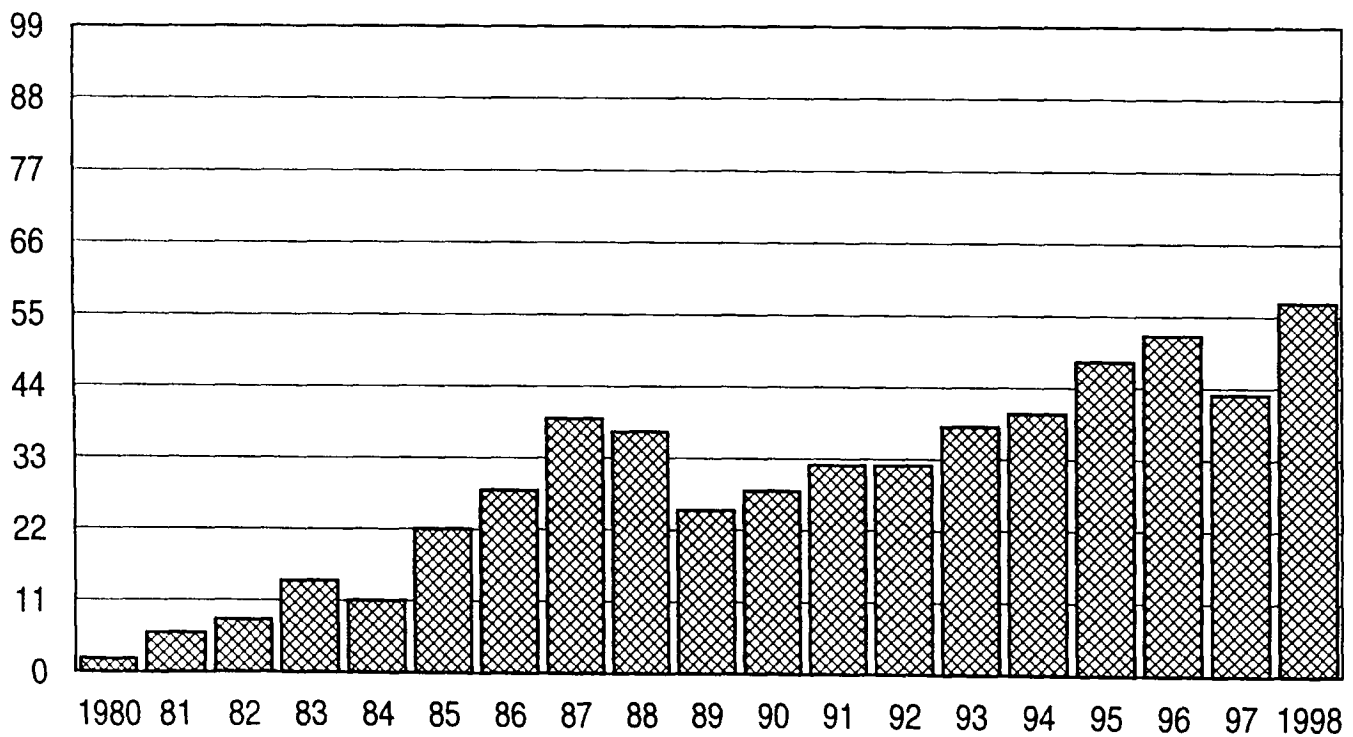


Figure 3. Number of counties with natural decrease in Iowa, 1980-1998.



Estimated Birth and Death Rates in Iowa's Counties: 1978-1998

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Trends in birth and death rates provide indications of basic changes in the population. Differences across geographical units such as states or counties are enhanced when rates are compared. Such rates are calculated by dividing the number of births or deaths by the total population. The result is multiplied by 1,000. Thus, the rates reported in Tables 1 and 2 should be interpreted as the number of births or deaths per 1,000 residents. These are called crude rates because they are not adjusted by age (for deaths) or by the number of women of child-bearing years (for births). Caution is urged in examining the 1978-1979, 1981-1989, and 1991-1998 rates; they are based on population estimates provided by the U.S. Bureau of the Census.

Iowa and National Birth and Death Rates

The birth rate for Iowa dropped substantially from 1978 to 1998, although there was an increase from 1978 to 1980 (Figure 1). There were at least two more births per 1,000 residents in 1980 (16.4) than in 1986-1998, although the rate was up half a point from 1987 to 1990. From 1990 to 1997, however, the birth rate again declined, although it rebounded slightly in 1998. In the last four years, birth rates were at least 3 points below those of 1979 and 1980. The death rate in Iowa has not changed as much; it ranged from 9.2 in 1979 to 10.1 in 1988. The 1998 figure was 9.9 deaths per 1,000 residents. Although Iowa's death rate is somewhat higher than that for the nation (1998, 8.6), the pattern of change has been similar. The direction of change for birth rates in Iowa and the United States was in marked contrast from 1980 to 1992, however. Iowa's birth rate declined during much of the 1980s, while it remained relatively stable in the nation; more recently, however, the country's birth rate began to decline. In 1980, Iowa's birth rate of 16.4 was a half point above that of the nation (15.9); in 1998, however, Iowa's figure of 13.0 was substantially below that of the United States (14.6), although the gap has narrowed the last few years. Iowa's rate dropped by 1.2 points since 1990, while it declined by 2.1 points for the nation.

County Data on Birth and Death Rates

In 1998, 19 counties had birth rates above the state figure of 13.0 (Table 1). Polk and Woodbury had rates at least 3 points above that for Iowa. Another six counties (Buchanan, Dallas, Linn, Louisa, Muscatine, Scott) had rates more than a point above the state average. Of the 79 counties with birth rates below that of the state, 35 fell more than 2 points under the state level. Fifteen counties had fewer than 10 births for every 1,000 residents in 1998, with Pocahontas the lowest at 8.1, a rate less than half those in Polk and Woodbury.

Death rates in 1998 varied from less than 7.0 (Johnson, Story) to 16.0 or more (Fremont, Wayne) in Iowa's counties (Table 2). Seventy counties had death rates above the state figure of 9.9 per 1,000 residents. Although only six counties had death rates 2 or more points below the state average of 9.9, 49 counties reported rates 2 or more points greater than that for the state. Fourteen counties had rates at least 4 points higher than did the state.

Less than a fifth (18) of Iowa's 99 counties had higher birth rates in 1998 than in 1988; among these 18, the gain was greater than 2 points only in Louisa. Among the 80 counties with birth rates that were lower in 1998 than in 1988, 26 dropped by less than a full point. Pocahontas and Wayne, however, reported birth rates in 1998 that were at least 4 points below those for 1988. Only Decatur, Hamilton, Polk, and Van Buren had higher birth rates in 1998 than in 1978; 15 counties had declines of at least 5 points, with those for Clay and Sioux exceeding 7 points.

Table 1. Estimated Birth Rates Per 1,000 Population in Iowa's Counties, 1978-1998.

County	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978
Adair	9.4	8.3	7.4	9.7	11.2	8.8	12.5	10.4	12.1	12.9	10.1	11.0	12.8	13.6	12.5	12.5	15.4	13.3	17.5	18.1	15.0
Adams	11.5	7.5	10.8	8.0	14.0	11.1	8.8	13.5	12.3	14.0	14.5	12.1	10.6	13.7	13.5	11.7	14.4	11.4	16.4	14.3	13.2
Allamakee	12.3	11.8	12.3	11.1	11.3	12.6	14.2	12.5	12.8	15.2	14.2	14.3	14.6	15.0	14.8	14.8	15.9	16.6	16.7	14.5	15.4
Appanoose	11.3	10.4	12.3	10.8	11.2	11.9	12.6	12.4	12.1	12.0	12.0	11.5	12.7	13.1	13.4	13.0	12.1	14.9	15.5	16.5	15.5
Audubon	10.6	12.0	9.2	10.9	12.7	10.3	9.8	10.5	12.4	11.2	10.9	12.5	11.3	13.7	16.2	14.5	14.2	13.2	17.6	14.0	13.4
Benton	12.8	11.2	10.7	12.2	12.2	13.1	13.3	14.9	14.2	13.0	12.8	12.7	13.2	13.7	14.4	12.7	13.2	14.8	17.5	15.5	15.5
Black Hawk	13.5	13.0	13.1	12.3	13.0	14.3	13.3	13.9	13.7	13.7	13.3	13.1	13.8	15.0	15.6	15.5	16.4	16.9	17.3	17.4	16.7
Boone	11.2	11.0	11.6	12.1	12.4	10.9	11.4	12.3	13.1	12.3	13.8	12.6	11.7	12.8	13.0	13.4	14.1	14.6	15.1	14.5	13.4
Bremer	9.0	9.4	10.0	10.7	10.5	11.7	11.2	10.3	10.6	11.3	10.3	10.7	11.5	12.5	12.6	13.0	14.9	16.1	16.8	15.8	15.3
Buchanan	14.6	13.4	13.5	13.4	14.8	13.1	15.6	14.4	14.5	16.1	14.9	15.6	13.6	16.8	17.1	17.3	19.8	19.5	19.5	18.1	17.9
Buena Vista	12.1	13.3	11.5	11.0	12.1	11.8	13.7	13.3	14.4	12.6	15.0	13.1	14.4	15.3	13.9	14.6	15.0	16.5	15.5	14.7	13.4
Butler	10.3	10.2	9.4	10.6	10.4	10.8	10.1	10.2	11.7	11.4	11.8	11.2	12.8	12.0	14.2	15.0	14.6	13.4	16.1	15.1	16.7
Calhoun	10.0	8.5	10.0	9.9	9.1	7.8	10.4	9.6	11.3	10.7	9.5	12.3	12.7	12.1	11.0	13.1	14.8	12.7	15.1	14.3	14.3
Carroll	11.3	11.0	12.0	13.1	12.5	11.9	12.6	13.0	14.9	13.6	14.4	15.5	16.3	16.6	17.0	18.4	16.9	18.1	19.0	18.4	16.4
Cass	9.9	10.8	10.2	10.2	9.9	11.8	11.3	13.6	12.7	12.6	12.4	10.6	12.9	12.2	15.1	13.5	15.0	16.8	14.2	15.9	13.5
Cedar	10.3	11.0	11.0	11.5	11.0	11.6	11.1	12.4	12.7	12.9	11.4	10.8	10.9	13.8	13.7	13.9	14.4	15.3	14.0	15.2	14.0
Cerro Gordo	11.4	11.3	12.9	12.7	12.6	12.7	12.8	13.2	14.7	14.0	13.2	13.2	13.6	14.9	14.1	14.7	14.8	14.9	15.0	14.4	13.5
Cherokee	9.9	10.6	8.6	9.8	11.3	10.1	11.3	10.9	14.2	12.5	11.8	11.4	14.2	13.0	13.2	14.4	14.6	15.2	14.7	15.3	13.7
Chickasaw	9.4	11.7	9.2	11.3	12.6	13.5	12.5	12.5	15.0	13.6	12.6	11.2	14.2	12.2	15.0	14.8	17.4	17.0	16.7	17.6	15.4
Clarke	11.8	10.1	10.5	12.5	10.1	9.7	12.6	12.7	12.8	14.5	13.3	13.7	13.1	13.8	12.2	13.1	15.6	14.1	14.6	14.4	12.4
Clay	10.2	11.2	10.7	11.8	12.4	10.8	13.2	14.6	13.6	14.9	12.9	13.7	13.7	14.7	13.7	15.9	18.6	16.2	17.7	17.4	17.8
Clayton	11.1	10.4	9.4	11.0	11.0	12.8	12.2	13.5	12.7	13.6	12.1	12.9	13.0	14.8	13.7	14.9	15.7	17.4	16.3	15.3	14.7
Clinton	13.6	12.6	12.0	12.9	12.6	13.3	13.3	13.4	13.4	13.2	13.2	13.3	13.5	14.1	14.5	14.0	15.2	15.6	16.1	16.1	15.8
Crawford	11.7	12.8	14.1	10.8	10.7	12.6	11.8	12.3	13.6	12.0	14.6	15.7	13.9	14.3	13.7	17.2	15.6	15.9	17.0	15.9	16.3
Dallas	14.3	13.5	14.5	14.3	13.6	13.4	13.6	14.0	13.7	15.2	13.2	14.7	13.5	13.7	15.6	15.7	14.7	14.7	15.8	15.3	15.9
Davis	12.1	14.1	15.2	11.1	15.1	14.1	12.9	15.3	15.4	14.0	13.7	12.9	14.3	15.2	14.3	16.5	15.2	16.4	16.4	17.6	13.7
Decatur	11.2	12.0	11.8	11.7	13.9	10.9	10.8	11.5	10.9	11.7	11.6	12.9	10.8	11.9	12.3	11.5	14.2	12.8	13.2	13.3	10.0
Delaware	13.3	11.3	12.7	11.6	14.6	14.3	14.3	14.9	15.8	14.6	16.1	15.8	15.6	17.3	16.6	18.2	19.3	17.6	21.2	19.4	16.9
Des Moines	12.3	13.0	13.3	12.3	12.2	13.0	13.3	13.6	13.3	13.7	13.1	12.6	12.0	15.3	14.7	14.7	14.8	16.1	16.6	16.5	14.7
Dickinson	10.8	10.5	9.4	8.8	9.6	8.3	10.0	10.7	10.7	10.6	10.0	11.9	11.1	11.8	12.8	11.7	14.7	12.8	14.7	15.2	13.7
Dubuque	13.1	13.0	13.5	13.5	13.3	14.2	13.4	14.2	14.6	13.7	13.6	14.4	13.7	14.3	15.2	15.2	15.7	16.5	16.9	17.3	16.3
Emmet	11.6	10.8	12.1	9.7	9.6	12.4	11.6	13.4	11.6	10.5	11.9	12.4	11.7	12.8	12.5	15.3	15.2	16.1	17.0	17.1	17.1
Fayette	10.8	11.9	11.3	12.3	13.8	11.6	12.7	13.4	13.2	12.8	13.6	12.0	12.3	12.7	14.8	14.8	16.3	15.2	15.9	14.2	15.6

Table 1. Estimated Birth Rates Per 1,000 Population in Iowa's Counties, 1978-1998 (continued).

County	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978
Floyd	12.0	12.7	11.7	12.2	11.1	11.9	12.0	13.1	12.8	12.7	11.3	11.9	11.9	12.7	12.8	15.0	13.1	14.3	13.2	15.3	14.1
Franklin	10.3	11.9	11.4	10.5	12.1	10.7	11.3	11.5	10.9	11.6	11.8	11.8	12.2	14.0	15.4	13.0	13.8	14.8	15.0	14.3	15.3
Fremont	11.5	12.1	7.6	10.6	9.7	11.1	12.6	13.1	12.2	11.9	12.2	11.9	14.3	13.1	13.0	13.7	12.8	14.3	13.9	15.3	12.7
Greene	10.9	10.9	11.9	11.2	10.7	12.7	12.2	12.3	10.8	10.2	11.3	13.1	11.7	13.1	15.0	14.4	14.0	16.4	15.0	16.2	14.0
Grundy	11.2	10.4	10.1	8.0	9.2	11.7	9.4	11.4	12.1	11.4	11.6	9.7	11.6	10.8	12.6	13.6	12.0	12.8	15.8	15.6	13.2
Guthrie	10.5	11.1	11.4	10.7	11.2	9.4	13.9	12.4	11.2	10.2	10.6	9.4	10.2	10.4	13.4	12.5	12.7	13.5	14.9	13.3	13.2
Hamilton	13.6	13.1	11.3	11.9	12.7	12.0	12.8	13.7	13.0	13.1	12.1	11.9	14.4	11.7	14.8	13.5	12.5	14.5	14.4	15.6	13.4
Hancock	11.2	10.6	10.0	10.1	10.4	10.3	11.5	12.6	13.0	13.0	12.4	12.8	14.4	14.2	15.7	14.2	17.2	15.9	18.2	17.5	16.2
Hardin	11.2	10.2	11.6	13.0	11.7	11.0	10.2	11.0	11.2	11.1	11.6	11.1	11.5	12.9	13.3	14.6	15.0	14.7	16.0	13.6	13.6
Harrison	10.8	11.7	11.4	11.5	11.8	12.1	13.6	13.7	12.7	12.9	12.7	14.8	15.0	14.7	13.9	12.7	13.5	13.7	15.5	13.3	13.0
Henry	12.5	12.1	10.2	13.9	12.1	12.9	13.1	12.2	13.8	11.8	13.0	12.4	13.2	12.6	14.2	14.0	14.4	14.8	16.0	14.1	15.3
Howard	11.6	12.8	9.4	12.1	9.8	11.3	12.7	11.6	13.8	12.7	11.0	14.4	13.7	13.0	14.8	15.1	15.5	14.4	16.6	15.9	13.7
Humboldt	10.4	12.4	10.7	10.3	11.3	10.5	9.5	9.7	10.4	12.6	13.2	12.6	13.2	14.0	15.7	14.9	15.8	15.7	15.4	16.3	14.2
Ida	11.4	12.4	12.2	8.9	10.3	11.2	11.3	12.1	12.8	17.9	14.6	13.4	13.7	15.4	16.8	16.6	13.4	17.9	16.6	17.0	13.2
Iowa	11.2	10.1	14.8	12.7	14.2	14.3	13.3	14.1	14.6	16.1	12.1	12.2	14.4	12.1	14.3	14.4	14.2	14.9	14.8	16.6	13.0
Jackson	11.8	12.1	11.7	13.0	11.9	12.8	12.8	14.4	12.6	12.6	13.4	13.9	13.4	16.0	14.9	15.9	16.2	16.6	16.4	17.5	17.3
Jasper	11.7	12.2	12.0	11.8	12.5	12.1	13.1	13.6	12.4	13.3	12.8	12.7	12.1	13.6	13.2	12.5	14.7	14.0	14.6	14.3	14.6
Jefferson	10.1	9.4	10.1	9.1	10.2	10.6	11.2	11.4	11.8	12.3	12.7	10.9	13.4	13.6	13.7	14.4	12.8	13.1	13.3	13.0	12.2
Johnson	12.4	12.5	12.5	12.4	12.8	13.5	13.9	14.0	14.6	13.7	14.4	14.2	14.3	15.0	15.0	14.6	15.3	16.1	15.6	15.1	14.7
Jones	9.0	10.5	11.0	9.6	12.7	11.8	12.3	13.0	12.9	12.2	12.5	11.4	11.4	14.8	13.2	13.8	14.0	13.5	15.8	15.5	15.6
Keokuk	12.3	11.0	11.6	12.5	11.2	12.3	12.7	15.1	12.9	13.0	13.5	12.4	11.3	12.7	14.8	14.7	13.1	15.6	17.3	13.8	13.6
Kossuth	9.8	9.7	9.1	9.6	10.8	12.1	10.9	12.4	13.5	12.7	12.9	13.0	13.5	12.8	14.2	16.7	16.2	15.4	18.1	18.1	15.3
Lee	11.7	11.5	12.3	12.3	11.2	13.5	13.8	12.7	12.8	12.7	13.0	13.7	13.0	14.4	14.0	14.2	14.7	15.6	16.1	15.9	15.8
Linn	14.4	14.3	14.1	14.5	14.4	14.6	15.3	15.4	15.6	14.9	14.9	14.4	14.3	14.9	15.1	15.0	15.8	15.2	16.6	15.8	15.1
Louisa	14.5	16.0	13.5	14.7	13.7	15.7	12.5	12.7	14.1	12.9	12.1	14.4	12.4	12.3	13.4	14.3	14.8	16.5	14.3	17.3	14.8
Lucas	12.6	10.4	13.6	11.1	14.3	12.9	11.1	12.2	12.8	10.1	11.9	10.8	11.8	11.3	13.1	11.4	16.0	13.1	16.5	13.2	14.2
Lyon	12.4	11.4	12.6	11.5	13.9	13.5	15.0	13.1	14.9	14.0	15.3	14.8	13.2	14.8	15.4	16.2	16.9	18.6	18.3	18.0	16.4
Madison	11.8	12.3	11.2	11.8	12.3	12.6	12.1	12.6	12.7	13.5	13.1	11.3	11.4	13.4	12.6	12.2	12.7	12.4	15.6	13.4	15.1
Mahaska	13.0	11.8	11.9	13.3	12.5	12.8	12.3	14.0	13.2	14.8	13.7	13.8	15.1	14.6	14.7	15.4	15.4	14.7	17.5	14.2	15.3
Marion	12.9	10.7	12.2	11.7	13.7	12.9	13.6	12.1	12.5	13.2	12.1	13.7	12.5	14.9	13.6	14.6	15.5	14.7	15.1	15.7	15.2
Marshall	13.2	12.2	14.3	13.3	13.7	13.8	12.5	12.0	13.1	12.7	12.7	11.7	13.1	13.8	14.3	15.0	14.8	15.6	16.2	15.0	13.6
Mills	13.4	11.1	12.7	11.4	13.5	11.9	11.3	12.8	10.3	12.7	11.6	13.1	12.9	12.5	14.4	12.9	13.0	15.7	16.8	16.1	14.5
Mitchell	11.2	12.0	11.7	11.6	12.8	14.0	11.6	13.6	12.0	11.5	12.3	11.9	13.1	12.9	12.9	14.6	12.9	14.1	15.9	15.2	14.6

Table 1. Estimated Birth Rates Per 1,000 Population in Iowa's Counties, 1978-1998 (continued).

County	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978
Monona	9.8	10.8	9.7	12.5	12.3	10.5	14.4	13.3	11.4	11.1	10.2	10.6	12.3	9.7	12.5	15.4	13.8	14.0	15.3	13.4	14.6
Monroe	9.6	11.8	12.0	10.9	10.7	14.6	12.0	13.6	14.3	11.9	10.8	13.0	12.4	12.7	14.0	13.6	12.4	14.8	14.4	14.3	13.8
Montgomery	12.8	9.4	13.5	13.5	13.4	11.7	13.9	11.5	13.1	12.4	12.3	12.7	11.0	11.8	13.6	14.4	13.9	14.0	15.3	16.5	14.1
Muscatine	14.9	13.9	14.4	15.3	15.3	15.6	16.1	16.7	16.7	17.2	15.5	14.2	15.9	15.6	15.5	17.3	18.2	17.9	17.7	18.0	16.8
O'Brien	10.7	12.8	12.7	13.1	11.3	12.4	12.9	11.4	11.9	12.6	11.1	11.8	12.9	13.1	14.1	15.5	16.3	16.9	16.4	16.3	15.8
Osceola	10.9	11.3	11.2	12.7	9.8	11.3	11.9	14.7	12.9	13.8	14.1	11.8	11.7	13.8	13.0	16.1	15.3	15.4	16.4	15.4	14.5
Page	11.0	10.0	11.0	10.4	10.8	9.9	10.0	10.6	11.9	13.1	12.5	11.1	10.6	13.2	11.2	12.3	12.7	14.1	14.2	14.7	15.1
Palo Alto	10.7	12.1	9.7	9.4	10.3	10.5	10.7	10.5	8.9	13.0	12.3	11.1	11.8	15.2	13.3	17.3	14.7	16.9	16.4	15.2	14.2
Plymouth	12.3	13.2	12.6	13.0	12.8	12.8	13.4	12.6	14.8	13.2	13.1	15.0	15.9	14.1	17.0	17.1	16.0	18.3	17.3	17.9	15.2
Pocahontas	8.1	8.7	7.6	7.2	9.2	9.6	10.6	11.1	13.0	11.3	13.7	10.9	11.7	15.5	13.8	14.6	13.7	13.4	14.1	13.2	13.4
Polk	16.4	16.0	16.3	15.6	15.7	15.9	16.4	16.5	16.4	17.2	15.8	15.9	16.0	16.5	16.0	16.3	16.3	16.7	16.8	16.1	15.6
Pottawattamie	13.5	13.9	13.0	13.6	13.9	14.3	15.1	15.7	16.5	15.5	15.5	14.9	15.8	15.7	16.1	16.7	16.4	17.0	17.0	16.8	15.9
Poweshiek	10.3	10.1	10.2	11.4	11.1	10.9	11.4	12.5	11.9	11.9	10.7	10.0	11.9	11.6	11.7	12.8	13.3	13.5	12.8	14.5	13.0
Ringgold	8.8	12.1	8.0	10.3	5.6	7.1	10.6	9.8	8.1	9.7	10.3	11.0	8.1	13.5	14.1	11.8	17.5	13.2	14.1	14.1	12.1
Sac	9.4	10.9	13.3	11.3	10.4	11.5	11.5	10.3	11.8	12.4	11.5	11.9	12.0	13.5	13.7	13.0	13.3	16.8	16.6	14.2	14.3
Scott	14.7	13.8	14.6	14.4	14.4	15.5	16.0	15.7	16.1	15.8	15.8	15.2	16.7	16.5	16.9	16.8	17.2	17.6	18.5	17.9	17.3
Shelby	10.9	10.7	8.8	12.0	11.1	12.4	11.6	11.8	13.8	12.3	12.7	12.8	11.6	12.0	16.1	14.4	16.2	12.7	16.8	14.1	13.4
Sioux	12.8	13.3	12.1	13.1	12.2	14.1	14.2	14.6	14.5	14.5	15.7	15.4	16.5	16.8	17.0	18.7	18.3	19.1	20.6	18.9	21.0
Story	11.4	11.3	12.1	11.5	11.4	10.5	11.8	12.2	12.5	11.9	12.8	12.7	12.8	14.0	14.2	14.7	14.0	14.5	14.6	15.0	14.2
Tama	12.5	14.0	13.0	13.3	13.3	12.8	13.0	12.3	12.3	12.5	11.7	13.1	12.5	13.4	13.7	14.1	14.8	13.4	14.8	15.0	14.3
Taylor	9.2	11.1	10.5	10.6	11.0	9.9	10.6	8.9	12.9	11.0	10.1	11.6	9.4	11.6	12.6	12.4	16.0	14.3	16.2	16.3	14.2
Union	12.4	10.9	12.9	12.4	9.6	12.1	11.9	11.3	11.6	13.1	11.2	11.8	12.9	11.4	12.2	13.9	14.0	16.3	15.3	15.2	15.1
Van Buren	13.6	10.1	11.1	9.8	13.4	13.9	11.8	12.7	11.6	12.1	15.7	13.1	11.8	13.2	13.4	13.2	13.7	15.8	14.6	15.6	12.9
Wapello	11.0	11.7	12.9	11.3	11.9	12.9	11.8	13.5	13.7	13.6	11.8	12.3	12.6	12.3	13.8	12.3	14.3	13.7	14.8	13.6	13.7
Warren	12.5	12.9	12.2	12.4	11.7	13.2	13.9	15.0	13.3	14.0	13.7	13.9	13.4	14.5	14.1	14.0	14.3	14.7	15.8	16.2	15.6
Washington	13.5	12.2	15.8	15.0	13.8	13.5	13.3	13.9	15.7	15.4	14.3	15.3	13.9	13.6	15.5	14.2	14.4	14.5	16.2	17.0	14.5
Wayne	8.4	8.4	9.4	11.7	11.3	10.2	10.6	10.5	11.7	10.9	12.6	10.4	10.2	12.8	12.0	10.7	11.7	13.0	15.0	17.2	11.2
Webster	13.3	13.5	12.7	12.7	13.3	13.4	14.1	14.0	14.8	14.9	14.5	14.5	13.8	14.8	14.5	15.2	16.3	14.8	16.5	15.8	14.9
Winnebago	10.6	11.2	12.0	11.2	11.3	10.2	11.8	11.5	12.2	13.6	13.6	12.6	13.9	12.9	13.5	13.7	14.2	12.8	15.1	15.8	15.4
Winneshiek	9.9	9.6	10.1	11.5	11.5	10.9	12.2	12.0	12.4	12.8	12.9	12.8	13.6	13.4	14.8	14.8	14.2	13.7	14.9	14.9	13.4
Woodbury	16.4	16.6	16.6	16.7	16.3	16.4	16.7	16.4	16.6	15.3	16.2	15.9	14.9	16.7	16.1	16.5	16.8	17.9	17.8	18.1	16.4
Worth	11.6	9.6	10.8	11.4	11.6	11.8	11.5	12.6	12.4	13.2	12.2	12.0	12.1	13.4	13.1	12.4	14.5	14.3	14.0	13.2	13.8
Wright	10.6	10.8	12.0	9.7	11.0	11.0	12.0	13.3	15.0	13.3	12.2	12.3	11.5	12.7	12.8	13.1	13.1	13.7	15.1	13.7	13.8
State of Iowa	13.0	12.8	13.0	13.0	13.1	13.4	13.7	13.9	14.2	14.0	13.8	13.7	13.9	14.6	14.8	15.1	15.5	15.8	16.4	16.0	15.3

Table 2. Estimated Death Rates Per 1,000 Population in Iowa's Counties, 1978-1998.

County	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978
Adair	11.9	14.4	16.4	13.5	15.3	14.5	12.8	13.2	12.4	12.0	12.1	14.5	14.3	11.5	12.6	12.3	11.2	11.7	11.8	11.8	11.9
Adams	15.6	12.7	12.4	16.6	14.5	13.3	12.0	13.3	11.7	14.0	15.3	10.5	11.7	10.2	14.6	12.0	13.5	11.9	13.1	11.9	13.2
Allamakee	13.7	11.1	11.7	11.8	12.0	12.2	12.8	11.9	14.3	13.4	12.0	13.1	13.3	12.4	11.3	11.8	11.0	11.3	12.5	10.1	11.4
Appanoose	11.5	13.7	14.3	14.0	13.9	14.5	12.5	14.3	13.0	12.7	13.7	14.0	11.6	15.4	12.5	11.4	11.1	12.8	13.7	13.4	13.0
Audubon	13.3	9.4	14.6	14.2	15.7	15.3	16.6	13.5	12.0	11.3	15.3	12.4	10.7	13.8	8.9	12.1	14.0	12.0	8.8	10.7	11.3
Benton	8.4	9.2	8.4	8.6	8.4	8.8	9.1	9.8	8.8	10.5	11.2	10.6	9.4	9.7	9.3	10.7	8.9	9.0	9.0	10.2	10.4
Black Hawk	9.6	9.5	9.3	9.1	10.0	9.6	9.1	9.0	9.2	8.6	9.1	8.7	8.2	8.3	7.5	8.2	7.7	7.5	7.7	8.1	8.0
Boone	12.4	11.5	11.6	12.0	12.0	12.2	10.5	11.0	11.5	11.1	12.7	11.2	10.6	11.0	10.4	11.0	12.3	10.7	11.1	11.4	12.2
Bremer	10.4	8.8	9.0	10.1	10.2	11.5	9.4	9.3	10.0	9.3	10.6	10.3	9.6	8.7	8.5	7.7	7.5	8.6	9.1	9.3	8.6
Buchanan	10.5	10.4	9.3	10.9	9.6	10.9	9.6	8.6	8.9	9.5	9.8	8.8	9.0	8.3	9.5	9.5	9.5	7.4	8.4	8.9	9.6
Buena Vista	11.5	10.8	10.8	10.5	10.7	10.7	9.8	10.0	10.5	12.6	11.9	11.0	10.3	12.6	10.2	12.2	10.4	11.5	11.8	11.7	9.6
Butler	12.0	12.2	11.3	12.8	12.9	12.4	12.8	11.1	10.7	12.4	11.4	11.9	12.8	10.7	10.7	11.1	10.7	9.1	9.4	10.0	10.0
Calhoun	13.4	15.6	13.3	15.7	12.1	14.7	16.1	14.9	12.9	17.4	14.9	14.4	13.1	17.1	13.6	12.9	13.1	12.2	13.7	12.3	15.8
Carroll	11.7	11.2	11.3	10.1	10.7	10.6	10.9	10.1	10.0	9.4	9.7	10.5	8.6	9.6	10.5	10.8	11.1	10.4	10.4	9.6	11.4
Cass	13.2	13.4	13.6	14.3	11.6	12.0	12.3	14.2	13.6	14.8	15.0	12.8	14.0	14.8	12.9	12.6	12.5	11.1	12.4	11.0	14.6
Cedar	10.2	11.1	9.7	10.0	10.0	9.0	8.8	8.5	10.1	9.6	9.8	9.7	9.8	9.4	9.5	9.5	9.0	9.5	9.5	9.0	10.7
Cerro Gordo	12.3	10.6	11.4	11.6	10.5	10.8	10.5	9.7	10.3	9.9	10.0	10.2	9.8	9.6	10.8	9.3	9.9	10.0	9.6	9.5	10.3
Cherokee	12.8	12.3	14.3	10.4	11.4	11.4	11.7	11.8	12.1	12.0	11.5	12.2	10.5	12.0	10.7	10.9	10.8	10.7	10.8	9.8	11.1
Chickasaw	9.4	10.1	10.2	12.0	12.6	11.7	9.3	12.0	10.7	9.8	9.8	12.3	10.5	10.4	10.5	9.3	7.6	10.5	10.3	10.1	10.7
Clarke	12.6	9.7	12.4	13.0	11.2	12.7	12.3	13.7	11.2	13.1	11.8	11.1	10.5	13.2	12.0	11.2	9.5	11.7	12.3	12.1	11.2
Clay	11.5	9.5	9.4	12.2	9.3	10.3	9.7	10.5	9.0	10.4	9.9	10.9	11.2	9.2	9.5	8.6	8.4	8.8	9.5	9.8	8.5
Clayton	13.6	10.0	11.7	12.1	11.7	11.4	11.7	12.7	10.5	11.8	11.6	12.0	12.0	12.9	11.7	11.1	11.2	10.4	11.1	11.4	10.2
Clinton	10.6	11.5	11.2	10.7	10.4	10.7	10.1	10.6	11.0	10.9	11.2	9.7	10.6	9.2	10.0	10.9	9.6	10.2	9.3	9.3	10.1
Crawford	9.9	10.8	11.0	9.2	10.4	10.8	10.3	9.3	10.1	9.4	9.2	9.8	11.3	11.7	10.1	10.5	9.7	10.6	9.5	9.7	10.5
Dallas	8.1	8.9	8.7	9.0	9.1	8.6	8.8	9.1	9.6	9.3	10.0	10.6	9.3	9.2	9.1	9.1	9.3	8.8	8.9	10.4	8.5
Davis	13.4	9.4	12.3	14.0	10.8	12.8	10.5	12.4	12.0	11.9	11.5	10.4	11.0	12.3	9.6	13.3	11.6	13.0	10.5	10.7	10.1
Decatur	12.0	16.1	12.4	10.8	13.9	14.7	15.7	16.5	12.7	12.4	11.6	12.3	13.4	13.6	10.0	15.2	14.2	10.2	12.2	11.2	12.2
Delaware	7.5	8.2	8.6	9.3	8.1	9.5	9.9	7.9	9.5	9.1	8.9	8.5	9.9	9.5	9.8	8.9	9.9	9.0	9.6	11.0	10.1
Des Moines	10.2	10.6	10.7	11.0	9.6	10.0	9.3	11.1	10.7	11.6	12.1	10.2	11.5	11.9	10.0	9.4	10.7	8.8	10.1	9.0	10.0
Dickinson	11.9	10.8	11.5	11.5	12.0	11.2	9.8	10.7	10.7	10.8	12.2	10.0	9.8	10.8	11.1	10.2	11.2	9.8	8.6	9.2	9.9
Dubuque	9.9	9.0	9.3	9.6	9.9	9.7	9.3	9.7	9.7	9.8	9.1	9.0	9.3	9.0	9.2	8.9	8.7	9.1	8.6	8.3	8.8
Emmet	12.2	13.0	12.9	11.6	11.8	12.8	12.7	11.2	11.6	13.5	10.4	11.3	10.3	11.5	11.8	10.7	10.4	10.0	11.9	10.1	9.3
Fayette	12.4	11.8	11.8	10.6	11.6	11.6	11.0	12.1	11.8	12.2	12.6	12.2	12.7	12.6	11.5	11.2	11.6	11.6	10.2	10.1	10.3

Table 2. Estimated Death Rates Per 1,000 Population in Iowa's Counties, 1978-1998 (continued).

County	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978
Floyd	12.6	12.1	13.0	12.7	11.8	13.1	12.8	12.7	11.9	12.7	12.6	10.1	11.6	13.3	9.7	11.2	11.8	10.2	11.8	10.1	11.3
Franklin	12.6	12.4	12.3	12.9	12.5	12.9	10.5	11.5	10.6	11.9	13.5	13.3	10.2	11.4	12.1	10.3	10.2	10.5	10.4	11.8	12.7
Fremont	16.0	14.5	15.4	16.3	15.8	14.1	15.5	12.9	12.6	14.8	15.3	16.5	14.5	12.5	14.5	13.5	13.6	13.2	12.7	15.8	11.4
Greene	14.7	13.0	15.2	13.8	10.3	11.4	14.0	14.2	14.1	12.1	15.4	14.1	12.7	14.2	13.5	12.6	11.5	13.9	11.2	11.4	10.8
Grundy	11.8	11.0	11.5	11.0	10.1	10.5	7.4	11.2	9.7	10.7	12.1	10.3	10.6	10.5	8.3	9.8	10.5	8.7	9.6	10.7	9.7
Guthrie	13.0	10.3	12.8	13.0	12.4	13.0	12.2	12.0	13.0	13.5	17.2	14.9	14.0	13.3	13.2	14.4	15.1	12.6	13.8	13.4	10.0
Hamilton	9.6	12.0	11.4	11.5	9.6	10.7	11.4	11.6	11.0	11.9	12.1	10.2	10.3	9.8	9.9	11.2	11.4	9.2	9.1	10.7	10.0
Hancock	9.7	10.6	10.7	12.6	10.3	11.1	10.7	9.2	10.3	8.7	11.7	10.5	9.5	10.6	9.9	10.7	9.6	10.8	11.5	10.6	9.7
Hardin	15.9	13.3	12.9	12.0	13.1	13.1	14.2	12.6	12.4	12.0	11.7	12.4	13.0	11.7	11.5	10.8	10.8	12.1	11.2	11.2	10.8
Harrison	13.6	11.3	14.9	12.5	12.1	15.5	13.6	13.8	13.4	11.9	14.7	14.0	11.3	13.3	12.0	12.0	12.7	12.2	12.5	10.7	10.2
Henry	9.2	9.9	9.5	10.1	10.0	11.9	10.2	11.0	8.8	11.0	10.1	11.5	9.8	11.1	10.6	9.7	10.5	9.5	11.0	11.0	9.3
Howard	15.1	14.3	12.6	13.6	13.5	12.6	12.3	12.0	12.6	10.8	12.8	15.1	12.6	13.6	13.4	12.7	12.2	12.6	10.1	12.3	10.7
Humboldt	10.8	11.2	12.5	12.5	11.0	13.5	13.3	12.2	12.6	9.2	11.2	10.3	11.1	11.2	11.2	10.0	10.8	9.3	11.1	9.1	10.1
Ida	14.0	10.6	12.5	15.3	13.1	14.1	12.6	14.1	13.7	10.3	13.8	13.7	12.7	11.8	11.5	12.8	11.9	11.1	12.0	10.4	10.6
Iowa	11.1	10.1	11.9	11.6	11.0	11.6	11.0	10.5	11.9	10.4	11.5	13.3	9.7	10.7	10.7	11.1	11.7	9.7	10.4	8.5	9.6
Jackson	10.5	11.6	12.7	11.0	10.9	11.3	10.1	12.1	10.5	12.2	10.9	11.4	10.4	10.6	10.1	9.0	10.0	10.1	10.5	9.2	10.3
Jasper	9.5	9.5	9.7	10.3	10.8	10.4	10.2	10.8	8.6	9.5	10.4	9.9	9.9	9.5	9.6	10.7	8.7	9.5	9.4	8.9	9.0
Jefferson	9.5	9.2	9.4	8.5	8.1	9.9	9.7	10.6	9.4	8.9	9.8	9.9	10.4	10.1	10.4	11.0	10.3	10.4	9.4	9.6	9.1
Johnson	4.7	4.7	4.9	4.7	4.7	4.6	4.5	4.7	4.5	4.9	4.5	5.0	5.0	5.4	5.1	5.3	4.8	4.7	4.8	5.1	5.0
Jones	9.2	8.0	9.1	8.3	8.5	8.9	8.5	10.3	9.9	9.0	10.1	9.4	10.4	9.4	8.7	9.0	8.6	10.4	8.2	9.6	9.0
Keokuk	10.5	13.1	12.6	11.5	12.0	11.8	10.7	11.9	14.2	13.0	14.5	12.8	12.1	13.6	13.5	14.8	12.2	14.8	12.8	14.7	10.6
Kossuth	12.1	11.7	10.9	12.3	10.7	12.3	10.8	11.3	10.6	10.0	10.7	10.2	10.5	10.0	9.5	10.5	10.8	9.7	9.9	11.3	9.6
Lee	10.9	11.0	11.2	11.8	12.1	11.9	11.4	11.6	10.3	10.9	11.7	11.0	11.1	11.1	9.3	11.0	9.6	10.8	10.6	9.4	10.3
Linn	7.6	7.4	7.4	7.6	7.7	7.7	7.1	7.5	7.3	7.7	7.8	7.7	8.0	7.6	7.1	7.8	7.3	7.3	7.5	7.0	7.4
Louisa	9.3	8.5	9.2	10.3	11.7	12.5	9.9	8.6	10.4	8.9	11.7	9.2	10.2	8.6	8.7	9.1	10.2	9.8	9.1	9.1	9.0
Lucas	14.2	12.9	12.3	12.4	13.1	11.8	13.5	13.4	14.2	15.1	13.5	11.4	11.9	15.6	11.9	12.4	12.7	12.7	11.2	13.7	11.7
Lyon	9.7	9.8	10.4	11.2	10.3	11.4	9.7	11.5	9.6	10.7	8.0	9.8	11.3	9.8	9.5	9.4	8.3	8.2	10.4	10.5	9.2
Madison	13.1	12.6	10.1	11.8	11.1	11.1	12.8	11.9	12.5	11.6	12.7	11.5	12.7	12.5	11.7	13.0	10.3	11.2	10.0	9.9	10.5
Mahaska	9.4	9.4	10.8	10.3	11.0	10.3	10.2	10.4	11.6	11.3	11.0	10.7	12.1	12.2	11.8	11.3	10.9	10.8	10.2	10.7	10.7
Marion	11.3	10.1	10.6	10.6	10.3	10.1	10.8	10.1	11.0	10.5	10.8	9.3	10.1	9.7	10.4	9.9	9.3	10.0	8.6	9.4	9.5
Marshall	12.9	13.2	13.5	13.7	13.4	13.1	12.1	13.3	12.7	13.1	11.0	11.8	9.9	10.8	10.2	10.6	10.1	9.8	10.3	9.9	9.3
Mills	8.5	9.7	9.6	8.4	9.1	11.2	8.2	9.7	9.8	11.1	9.2	11.2	10.6	10.3	9.6	8.3	10.8	9.1	9.9	7.7	8.1
Mitchell	13.4	13.6	13.2	12.6	12.3	14.3	14.1	12.4	13.5	13.6	12.6	14.9	9.6	13.5	13.9	14.3	12.6	11.4	11.5	13.8	12.2

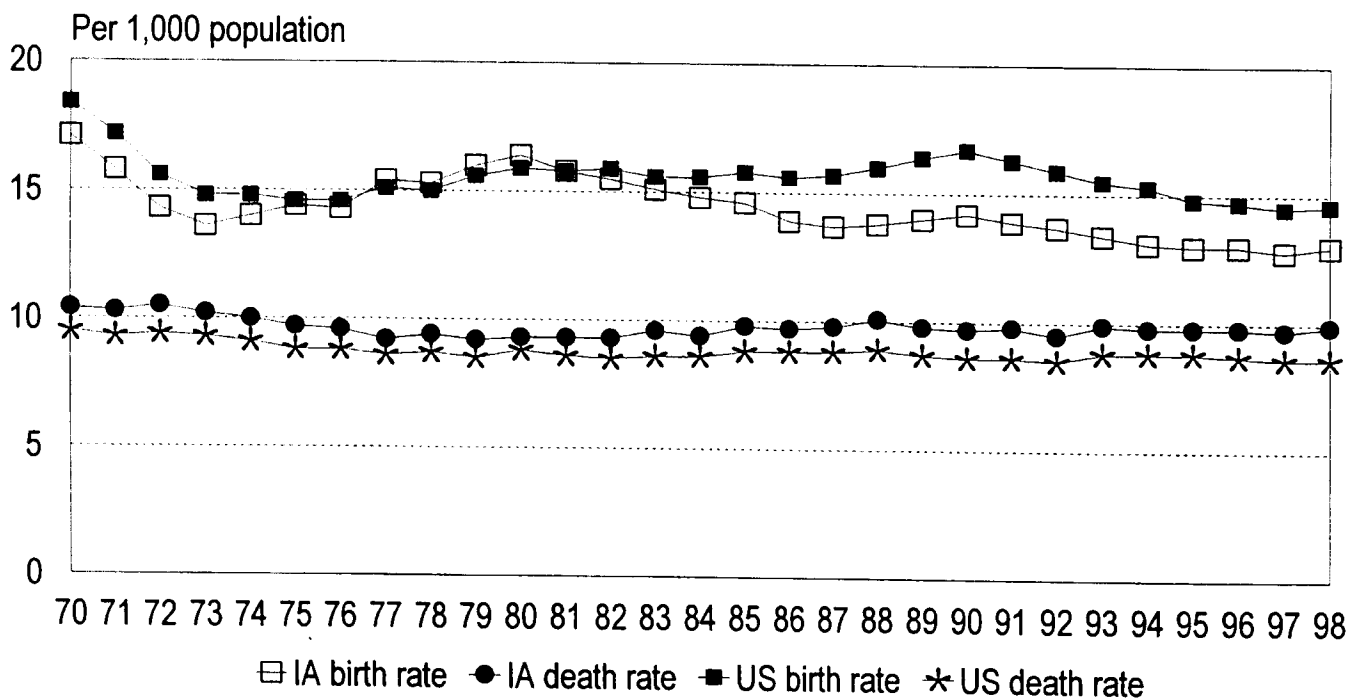
Table 2. Estimated Death Rates Per 1,000 Population in Iowa's Counties, 1978-1998 (continued).

County	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978
Monona	15.8	15.3	16.0	15.5	15.8	15.7	16.1	14.7	15.5	14.1	14.9	13.9	14.2	16.3	15.3	14.6	13.9	12.1	12.2	12.3	14.3
Monroe	11.8	12.2	12.2	13.6	14.1	11.8	14.4	13.4	12.9	16.9	12.8	13.6	15.2	13.2	12.5	14.1	13.1	15.2	12.6	13.8	12.1
Montgomery	14.9	14.9	16.6	15.9	12.1	15.2	13.1	14.7	15.0	15.4	14.8	14.5	14.3	12.9	14.8	11.2	13.2	11.3	11.3	13.3	12.5
Muscatine	9.2	8.7	8.0	8.9	10.1	9.3	9.2	9.7	8.9	9.5	8.6	9.7	8.5	9.4	9.5	8.8	8.8	8.8	8.4	9.3	9.6
O'Brien	12.6	12.1	13.2	12.7	13.3	11.9	12.4	13.3	12.3	11.7	12.9	13.4	10.0	11.9	11.9	11.5	12.8	9.8	11.7	12.1	10.5
Osceola	12.8	11.2	12.9	13.2	12.6	10.0	10.7	12.1	9.1	10.7	11.0	13.7	12.9	12.4	10.9	12.2	10.0	11.6	12.5	10.5	11.5
Page	13.3	14.8	12.3	15.3	12.8	12.7	13.4	14.0	13.6	12.7	14.0	14.1	13.8	14.4	12.9	13.8	13.1	14.9	11.7	13.7	12.7
Palo Alto	14.7	13.9	14.4	12.9	13.6	14.7	11.8	13.6	13.1	12.9	13.5	13.2	12.3	12.5	11.1	12.0	11.8	11.6	11.6	11.6	10.4
Plymouth	9.7	10.0	9.7	10.0	8.8	9.4	10.3	9.6	10.0	9.4	9.1	10.3	8.9	10.4	10.2	10.3	10.0	8.3	9.9	9.3	8.8
Pocahontas	12.4	14.6	13.4	11.9	14.8	13.0	13.7	14.1	12.7	13.6	16.2	12.8	11.0	14.0	13.4	12.0	16.0	11.8	14.9	12.7	13.2
Polk	7.9	7.6	7.7	7.7	7.5	7.6	7.3	7.9	7.8	8.0	8.2	7.9	8.1	8.2	7.9	8.0	7.8	7.8	8.1	7.9	8.2
Pottawattamie	9.9	9.4	9.0	9.0	9.5	9.2	8.8	9.1	9.0	8.8	9.9	9.8	8.9	9.5	9.3	9.0	8.8	8.9	9.1	7.8	8.7
Poweshiek	13.1	10.8	11.2	10.5	10.6	9.8	10.8	9.0	10.3	10.2	10.9	10.0	10.6	10.3	11.1	9.2	10.1	9.7	9.9	9.4	10.8
Ringgold	13.4	17.0	13.8	13.3	16.5	15.5	14.3	13.7	15.5	11.9	13.1	14.4	14.4	15.2	11.7	12.2	12.1	14.6	13.7	13.8	16.8
Sac	14.6	14.2	13.9	13.5	13.8	14.6	12.7	11.8	14.4	14.3	13.3	13.4	13.5	13.5	12.7	13.2	13.7	12.3	10.4	11.6	11.1
Scott	8.2	8.0	7.5	8.3	8.1	8.4	7.9	7.6	7.3	8.1	8.1	8.1	8.1	7.6	7.8	7.8	6.8	7.5	7.3	7.5	7.4
Shelby	11.6	14.5	10.9	13.0	12.9	11.2	11.0	11.5	11.4	12.1	12.1	10.9	10.9	10.9	9.5	11.0	9.9	10.7	11.2	10.9	9.7
Sioux	7.8	8.7	7.6	7.3	7.8	7.8	7.2	7.2	7.6	8.0	8.5	8.0	7.9	9.1	7.7	7.4	7.7	7.5	7.7	7.2	7.9
Story	6.0	6.1	5.6	5.7	5.2	5.6	5.6	6.1	5.6	5.5	5.6	5.6	5.6	5.7	4.9	5.4	5.6	5.0	5.6	5.5	5.6
Tama	11.3	11.0	12.6	12.3	12.9	12.6	9.8	12.4	13.0	11.9	10.0	11.1	11.5	12.4	11.1	10.6	9.7	12.1	10.8	11.9	12.5
Taylor	14.3	15.2	14.8	12.2	13.9	13.4	13.3	16.3	14.8	18.5	13.5	16.1	16.1	12.5	13.1	15.3	15.3	15.3	13.6	15.2	18.5
Union	12.3	12.1	13.2	13.6	12.8	13.0	12.7	13.0	13.1	12.3	13.4	13.6	13.0	12.7	12.3	13.3	12.4	12.6	11.0	10.1	11.9
Van Buren	13.8	12.3	12.8	12.7	13.2	13.6	12.6	14.0	11.3	15.4	17.1	13.6	14.5	14.4	10.0	14.6	12.8	11.5	13.8	13.8	13.4
Wapello	12.4	12.5	12.5	12.7	11.9	12.8	11.6	13.7	13.3	12.9	13.4	12.2	13.6	11.6	13.2	12.5	11.2	11.9	12.4	11.4	12.9
Warren	8.0	7.4	8.6	6.8	8.2	7.5	6.3	7.7	7.9	7.6	8.2	6.9	7.0	7.0	7.5	6.6	6.4	6.2	6.5	6.2	7.2
Washington	10.5	11.1	12.0	10.4	12.1	11.6	10.2	12.2	11.0	11.1	10.8	11.2	10.6	11.9	11.4	11.4	9.3	10.1	10.3	11.3	10.3
Wayne	18.2	18.8	16.0	15.6	17.3	14.5	16.1	14.5	13.0	13.6	14.7	14.8	16.8	18.4	14.2	16.4	12.2	17.6	15.6	14.4	13.7
Webster	11.7	12.7	12.6	12.5	12.4	12.1	12.0	12.2	11.2	11.3	12.2	11.9	10.7	11.1	10.8	11.0	10.9	10.7	10.3	10.0	11.0
Winnebago	12.3	11.2	12.6	10.7	11.5	12.7	13.3	12.6	11.4	10.3	12.4	12.2	9.7	11.1	12.0	10.9	10.7	11.4	10.2	10.4	10.7
Winneshiek	8.6	8.5	8.7	9.0	8.5	8.3	7.6	8.4	10.5	8.7	9.4	8.7	10.5	10.7	9.5	10.3	8.2	8.6	8.2	7.7	9.7
Woodbury	9.7	9.4	9.1	10.0	9.7	9.7	9.8	9.3	9.6	9.8	10.4	9.7	9.6	9.6	9.5	9.7	10.1	9.6	9.8	9.0	9.4
Worth	13.9	12.6	12.3	15.3	13.0	12.1	11.9	12.2	14.4	10.6	14.7	12.5	12.7	12.4	11.7	12.2	11.2	11.5	10.2	10.2	12.9
Wright	12.8	15.4	13.4	12.3	13.9	14.8	12.1	12.4	12.5	11.5	13.1	12.5	12.5	12.9	12.0	11.2	12.4	13.0	12.7	11.1	12.3
State of Iowa	9.9	9.7	9.8	9.8	9.8	9.9	9.5	9.8	9.7	9.8	10.1	9.8	9.7	9.8	9.4	9.6	9.3	9.3	9.3	9.2	9.4

For the most part, death rates changed far less than did birth rates. Forty-three counties had higher death rates in 1998 than in 1988. But in only two counties were the rates at least 3 points higher at the end of the period than at the beginning. Among the 54 counties where the death rates were lower in 1998 than in 1988, only four dropped by at least 3 points. Relatively small changes also occurred when 1978 and 1998 were compared.

Note: Comparisons of any one year with another must be done with caution because unusual circumstances could have affected the rates in any single year. Because the population figures used to generate the rates for 1978-1979, 1981-1989, and 1991-1998 are estimates, the birth and death rates reported must be treated as estimates as well. Additional information on births and deaths is reported annually in VITAL STATISTICS FOR IOWA (Iowa Department of Public Health, Lucas State Office Building, Des Moines, IA 50319). Data on birth and death rates for the states and the nation also are available annually; the most recent publication is "Annual Summary of Births, Marriages, Divorces, and Deaths: United States, 1998," MONTHLY VITAL STATISTICS REPORT, which is published by the National Center for Health Statistics (U.S. Department of Health and Human Services, 3700 East-West Highway, Hyattsville, MD 20782).

Figure 1. Iowa and U.S. birth and death rates, 1970-1998.



Births and Deaths in Incorporated Places and Unincorporated Areas in Iowa's Counties: 1992-1998

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In addition to reporting births and deaths for counties, the Iowa Department of Public Health lists them for incorporated places within counties and for the area outside the boundaries of such places. This section includes information for the years 1992 through 1998. Births are counted by the place of residence of the mother, which may not necessarily be the place in which the birth occurs. Similarly, deaths are reported by the place of residence of the deceased individual, although the death may have happened elsewhere.

Births and deaths are provided for each county as a whole, incorporated places within the county, and what is called the balance of the county in Table 1. Incorporated places are those officially recognized as such by the State of Iowa. The balance of the county includes two groups of residents—those living on farms and those living in unincorporated areas but not on farms; data are available only for the balance as a whole, however.

In 1998, deaths exceeded births in 55 of Iowa's 99 counties. Within each county, natural decrease (more deaths than births) was far more likely to occur in incorporated places than in the balance of a county's population. For example, only five counties (Clay, Jefferson, Monona, Pocahontas, Worth) had more deaths than births among the balance of the population, and these natural decreases never were as much as 10 that year. That's caused, at least in part, by a somewhat younger population living in areas defining the balance of the county, suggesting the possibility of more births. In addition, some farm residents or those living in unincorporated areas move to incorporated places late in life, which decreases potential deaths among residents living in the balance of the county.

Great variety occurs among incorporated places when births and deaths are compared. In some places, births outnumber deaths; in many others, there are more deaths than births. For some of these places, this is due in large part to the presence of facilities caring for older residents. It is evident that relatively great differences occur from one year to the next, especially in some of Iowa's smaller incorporated places.

Caution is urged in examining the figures for incorporated places. Several straddle the boundaries of two or more counties. When that occurs, the name of the place is followed by (part) in the table, which indicates that additional births and deaths for that place may be reported under one or more other counties.

Note: Comments on births and deaths across Iowa's 99 counties were included in the section of this volume entitled "Births, Deaths, and Natural Change in Iowa's Counties: 1978-1998". See an annual publication called VITAL STATISTICS OF IOWA for more detailed data on births and deaths for counties and for relatively large incorporated places (Iowa Department of Public Health, Lucas State Office Building, Des Moines, IA 50319).

Table 1. Births and Deaths in Incorporated Places and the Balance of the County in Iowa's Counties, 1992-1998.

County/Place/Balance	Births							Deaths						
	1998	1997	1996	1995	1994	1993	1992	1998	1997	1996	1995	1994	1993	1992
Adair County	76	68	61	80	93	74	105	96	117	135	111	127	122	107
Adair (part)	6	8	10	12	9	11	3	7	6	10	11	12	10	10
Bridgewater	2	4	0	1	3	1	2	1	4	4	8	6	6	2
Casey (part)	0	1	0	1	0	0	0	0	1	1	0	1	0	1
Fontanelle	11	5	7	5	6	9	8	20	17	25	18	22	21	12
Greenfield	20	24	18	19	21	13	32	33	38	50	32	38	36	39
Orient	6	4	4	3	10	2	8	6	8	3	2	4	8	7
Stuart (part)	4	0	2	1	4	3	6	18	22	20	17	18	17	15
Balance of Adair County	27	22	20	38	40	35	46	11	21	22	23	26	24	21
Adams County	50	33	48	36	64	51	41	68	56	55	75	66	61	56
Carbon	0	0	0	0	0	0	0	1	0	1	0	1	2	0
Corning	26	18	23	19	30	21	11	45	34	32	51	36	43	34
Lenox (part)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nodaway	2	1	4	1	1	1	1	2	0	1	3	2	0	1
Prescott	4	3	1	0	7	5	0	3	3	3	3	5	3	0
Balance of Adams County	18	11	20	16	26	24	29	17	19	18	18	22	13	21
Allamakee County	172	165	173	157	158	176	199	191	155	165	167	167	171	179
Harpers Ferry	3	4	5	8	7	10	6	5	1	3	5	3	1	4
Lansing	14	13	22	25	17	16	26	24	31	25	21	22	29	27
New Albin	13	11	9	13	9	11	14	5	6	7	8	6	9	5
Postville (part)	31	28	28	12	18	24	16	35	22	27	25	27	32	26
Waterville	2	0	4	3	5	3	7	0	4	2	4	1	4	0
Waukon	48	46	54	55	57	62	62	93	65	75	71	71	67	74
Balance of Allamakee County	61	63	51	41	45	50	68	29	26	26	33	37	29	43
Appanoose County	153	141	168	147	152	164	174	157	186	194	190	189	200	173
Centerville	52	68	84	73	72	78	87	84	97	106	103	102	112	83
Cincinnati	3	3	7	6	3	5	10	2	5	5	4	4	4	3
Exline	2	2	0	1	1	3	2	3	2	3	1	1	1	2
Moravia	9	7	9	5	6	4	5	8	13	6	9	8	10	5
Moulton	10	7	6	11	9	7	6	11	10	11	15	15	12	9
Mystic	6	6	6	2	8	12	8	7	6	5	8	8	4	5
Numa	1	1	0	1	2	2	0	1	0	1	4	0	2	2
Plano	1	0	1	0	0	1	1	0	2	2	0	1	1	0
Rathbun	0	0	0	0	0	0	0	0	0	1	1	2	0	1
Udell	1	0	0	0	2	1	0	0	1	0	0	0	0	0
Unionville	3	0	1	1	1	0	3	0	3	0	2	0	1	1
Balance of Appanoose County	65	47	54	47	48	51	52	41	47	54	43	48	53	62
Audubon County	72	82	63	75	88	72	70	90	64	100	98	109	107	118
Audubon	26	33	19	24	24	34	22	43	25	56	50	61	61	52
Brayton	3	1	1	2	2	0	2	0	3	0	2	2	3	4
Exira	8	5	9	7	11	8	3	30	20	27	28	27	15	37
Gray	1	1	1	2	1	0	1	1	1	0	0	1	2	1
Kimballton	3	2	4	1	5	4	3	3	2	6	6	5	9	7
Balance of Audubon County	31	40	29	39	45	26	39	13	13	11	12	13	17	17
Benton County	325	281	264	298	292	308	304	214	229	207	210	201	207	207
Atkins	11	14	17	12	15	16	9	8	4	3	2	3	1	6
Belle Plaine	33	30	31	31	36	32	40	36	47	48	43	35	39	37
Blairstown	10	4	6	11	14	15	7	4	12	2	7	8	7	8
Garrison	7	5	4	8	4	5	7	1	3	2	3	1	5	3
Keystone	12	3	2	6	7	5	3	18	16	23	17	21	13	20
Luzerne	8	0	2	2	5	1	1	3	0	0	1	0	1	1
Mount Auburn	1	2	3	1	2	0	4	1	3	5	5	3	1	1
Newhall	6	14	7	15	8	13	11	6	10	9	7	4	6	9
Norway	8	5	9	15	12	8	10	0	6	3	2	5	4	4
Shellsburg	12	15	15	13	14	15	16	6	5	8	7	4	7	7
Urbana	12	15	13	8	8	9	11	5	7	4	2	2	4	3
Van Horne	12	5	6	8	9	9	7	4	6	2	4	2	7	7
Vinton	81	70	54	75	59	71	64	88	72	72	76	70	69	71
Walford (part)	19	18	11	8	11	11	5	2	1	1	2	2	4	0
Balance of Benton County	93	81	84	85	88	98	109	32	37	25	32	41	39	30

Table 1. Births and Deaths in Incorporated Places and the Balance of the County in Iowa's Counties, 1992-1998 (ct.).

County/Place/Balance	Births							Deaths						
	1998	1997	1996	1995	1994	1993	1992	1998	1997	1996	1995	1994	1993	1992
Black Hawk County	1638	1586	1601	1509	1605	1774	1651	1159	1157	1143	1113	1239	1194	1130
Cedar Falls	319	333	290	309	300	353	340	293	295	292	264	303	280	269
Dunkerton	16	13	15	10	17	9	14	9	6	5	7	5	6	8
Elk Run Heights	8	9	11	11	9	12	13	7	7	5	12	6	4	4
Evansdale	51	45	77	58	66	63	51	37	40	36	43	31	36	40
Gilbertville	9	10	11	5	11	9	9	3	3	7	11	0	7	4
Hudson	21	20	27	17	23	20	22	11	16	14	8	16	10	9
Janesville (part)	1	1	0	3	3	6	0	0	2	0	0	2	1	0
La Porte City	28	31	35	27	35	29	24	24	29	37	32	29	26	31
Raymond	3	3	5	4	4	7	6	5	0	1	1	2	1	5
Waterloo	1092	1041	1030	978	1031	1126	1046	727	710	675	683	798	771	719
Balance of Black Hawk County	90	80	100	87	106	140	126	43	49	71	52	47	52	41
Boone County	295	289	299	309	313	274	289	326	300	301	307	304	307	266
Beaver	1	0	0	2	1	0	0	1	1	1	0	1	0	1
Berkley	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Boone	179	174	166	171	168	141	144	185	169	178	185	164	177	159
Boxholm	3	0	0	0	1	1	0	3	3	1	2	2	4	2
Fraser	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Luther	0	0	3	3	4	1	2	1	0	0	0	0	3	0
Madrid	36	35	30	29	37	31	39	61	59	57	46	57	51	47
Ogden	21	22	22	24	26	26	21	36	28	28	27	42	39	30
Pilot Mound	1	0	3	2	1	1	1	1	2	7	3	5	1	0
Sheldahl (part)	0	0	0	0	1	0	0	0	0	0	0	0	1	0
Balance of Boone County	54	58	75	78	74	73	82	38	38	29	44	33	31	27
Bremer County	210	219	234	249	243	272	259	243	204	211	235	235	266	216
Denver	14	12	16	19	16	19	16	25	16	27	28	20	19	20
Frederika	5	3	0	3	2	1	3	2	2	1	1	3	2	0
Janesville (part)	5	10	7	8	10	9	6	6	5	7	4	7	8	3
Plainfield	7	2	5	3	9	5	3	7	5	6	5	7	4	6
Readlyn	10	7	8	9	17	12	9	10	3	6	10	6	9	6
Sumner	21	28	16	23	17	24	26	48	29	28	40	50	45	47
Tripoli	15	14	9	15	15	17	19	18	22	15	16	19	13	19
Waverly	71	75	96	96	77	98	92	91	89	82	97	89	116	78
Balance of Bremer County	62	68	77	73	80	87	85	36	33	39	34	34	50	37
Buchanan County	309	284	286	283	314	277	327	223	221	197	230	204	231	202
Aurora	3	2	2	2	2	1	1	3	3	2	6	6	5	3
Brandon	6	4	5	6	7	3	7	2	2	3	5	3	1	5
Fairbank (part)	12	11	12	15	9	10	18	10	3	9	9	6	6	8
Hazleton	15	15	11	12	19	13	18	11	9	12	9	5	10	15
Independence	76	67	73	81	86	77	90	100	93	81	88	81	100	67
Jesup	35	42	25	25	32	22	29	15	25	20	21	26	23	19
Lamont	9	8	7	5	9	3	6	4	7	8	13	11	14	8
Quasqueton	5	8	10	11	9	5	9	11	1	9	9	11	6	3
Rowley	6	1	3	1	4	3	6	5	3	5	3	4	1	3
Stanley (part)	1	2	2	3	1	0	2	0	1	0	2	0	3	0
Winthrop	9	11	8	10	11	12	8	11	17	8	11	10	11	13
Balance of Buchanan County	132	113	128	112	125	128	133	51	57	40	54	41	51	58
Buena Vista County	236	259	228	219	243	238	274	224	212	215	210	215	217	196
Albert City	8	9	7	7	12	8	12	26	13	9	14	8	13	12
Alta	25	26	17	18	23	22	29	9	13	13	13	13	14	17
Lakeside	2	1	5	4	6	6	7	6	3	1	2	5	2	4
Linn Grove	1	2	2	1	0	1	2	4	3	2	1	2	4	2
Marathon	3	1	1	4	1	3	3	5	8	10	2	7	7	2
Newell	14	14	5	9	9	10	14	16	16	19	17	18	9	11
Rembrandt	1	3	4	1	2	2	5	2	3	2	4	8	5	1
Sioux Rapids	6	11	10	7	10	7	7	17	12	21	21	15	25	20
Storm Lake	129	151	137	123	126	119	127	105	110	110	109	105	107	91
Truesdale	2	0	0	1	2	1	0	0	1	1	1	1	2	1
Balance of Buena Vista County	45	41	40	44	52	59	68	34	30	27	26	33	29	35

Table 1. Births and Deaths in Incorporated Places and the Balance of the County in Iowa's Counties, 1992-1998 (ct.).

County/Place/Balance	Births							Deaths						
	1998	1997	1996	1995	1994	1993	1992	1998	1997	1996	1995	1994	1993	1992
Butler County	162	160	148	166	163	169	159	188	192	177	201	202	195	202
Allison	5	11	7	10	7	7	10	21	14	24	24	24	23	21
Aplington	10	10	12	13	7	14	13	25	26	25	19	25	23	22
Aredale	1	2	1	0	0	3	0	3	1	1	4	2	2	1
Bristow	3	5	3	3	4	5	3	2	4	3	3	1	2	3
Clarksville	17	24	15	15	19	24	13	28	25	21	21	27	29	20
Dumont	12	7	8	6	9	7	9	14	19	12	12	11	18	19
Greene	10	11	13	12	6	9	9	26	24	16	29	19	21	20
New Hartford	6	5	6	10	14	12	8	4	5	6	3	5	6	7
Parkersburg	30	20	19	21	16	21	18	17	18	19	20	30	21	16
Shell Rock	13	13	9	12	14	13	10	20	25	17	29	19	18	24
Balance of Butler County	55	52	55	64	67	54	66	28	31	33	37	39	32	49
Calhoun County	114	97	115	114	106	90	120	152	178	153	181	141	169	185
Farnhamville (part)	8	4	7	2	3	5	2	10	2	8	3	3	2	5
Jolley	1	0	0	0	1	1	0	2	1	0	0	2	1	1
Knierim	3	0	1	0	0	3	1	1	1	0	0	0	0	1
Lake City	19	11	15	17	10	17	21	37	63	42	53	34	48	54
Lohrville	1	5	5	4	8	1	5	10	10	6	10	6	10	11
Lytton (part)	0	0	0	1	0	0	0	1	2	2	0	1	2	1
Manson	21	19	23	22	16	11	11	21	29	31	34	32	33	31
Pomeroy	9	11	4	8	5	4	5	18	18	20	13	15	20	18
Rinard	1	2	1	0	2	1	0	1	3	0	1	0	2	0
Rockwell City	20	16	16	20	26	13	17	33	32	30	37	28	30	31
Somers	1	3	4	4	1	4	3	1	1	1	1	0	2	1
Yetter	0	0	1	1	0	1	1	0	1	0	0	0	0	0
Balance of Calhoun County	30	26	38	35	34	29	54	17	15	13	29	20	19	31
Carroll County	246	238	260	283	269	258	271	253	242	243	219	229	229	233
Arcadia	8	3	11	7	4	4	7	3	8	5	3	3	7	3
Breda	8	2	4	6	9	3	8	5	7	6	11	9	1	7
Carroll	115	109	118	129	140	125	126	151	131	118	110	119	109	128
Coon Rapids	12	12	17	14	10	8	13	24	23	27	17	20	25	27
Dedham	8	8	4	2	3	1	2	3	1	6	5	3	2	1
Glidden	14	10	14	9	7	14	6	13	9	11	9	7	13	14
Halbur	6	6	4	3	4	5	4	1	2	1	3	0	1	3
Lanesboro	0	1	3	4	2	2	0	2	3	0	3	2	1	0
Lidderdale	1	6	2	2	3	1	4	0	1	0	2	1	2	2
Manning	14	11	18	16	13	14	13	20	30	34	24	29	23	25
Ralston (part)	2	1	1	1	1	3	1	0	0	0	2	0	0	1
Templeton	7	4	2	2	6	5	2	4	3	4	2	1	2	3
Willey	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Balance of Carroll County	51	65	62	88	67	73	85	27	24	31	28	35	43	19
Cass County	144	160	152	152	150	178	169	193	197	202	213	175	180	184
Anita	8	5	7	12	5	9	8	14	19	25	17	34	22	15
Atlantic	75	81	78	90	85	89	78	111	108	107	116	83	86	102
Cumberland	3	4	2	2	2	1	3	1	4	6	3	3	2	5
Griswold	10	12	8	10	9	13	11	29	25	18	27	24	29	22
Lewis	3	3	2	2	3	4	4	5	7	2	4	4	1	4
Marne	1	2	2	1	4	3	5	1	0	0	4	2	1	1
Massena	3	3	5	3	4	4	3	3	6	6	7	4	5	5
Wiota	1	2	0	2	1	3	0	1	0	3	1	3	1	1
Balance of Cass County	40	48	48	30	37	52	57	28	28	35	34	18	33	29
Cedar County	185	198	195	204	193	203	197	184	199	172	177	175	157	155
Bennett	6	7	4	2	10	10	8	7	5	3	0	4	4	2
Clarence	12	8	12	12	14	11	12	19	23	15	28	18	20	16
Durant (part)	10	8	15	21	15	13	13	14	7	12	16	16	13	8
Lowden	10	6	9	7	7	9	12	8	9	12	7	8	7	11
Mechanicsville	16	13	13	17	13	9	16	27	26	23	19	21	18	21
Stanwood	4	5	8	7	14	8	11	4	11	5	3	6	5	3
Tipton	32	43	38	43	36	35	26	41	41	41	34	44	32	36
West Branch	19	31	30	27	15	18	21	29	35	24	29	27	18	23
Wilton (part)	0	0	0	1	1	1	1	0	0	0	0	0	0	0
Balance of Cedar County	76	77	66	67	68	89	77	35	42	37	41	31	40	35

Table 1. Births and Deaths in Incorporated Places and the Balance of the County in Iowa's Counties, 1992-1998 (ct.).

County/Place/Balance	Births							Deaths						
	1998	1997	1996	1995	1994	1993	1992	1998	1997	1996	1995	1994	1993	1992
Cerro Gordo County	525	525	600	591	587	592	600	569	492	527	539	489	504	490
Clear Lake	87	103	114	131	109	100	113	91	82	83	97	89	89	91
Dougherty	1	0	1	0	0	3	1	2	3	3	1	1	3	2
Mason City	355	339	419	376	384	376	398	398	333	354	356	336	336	338
Meservey	2	1	3	1	1	3	0	2	1	8	7	4	9	7
Plymouth	6	5	5	1	3	8	2	2	2	4	11	2	4	5
Rock Falls	0	1	1	0	0	0	0	0	0	0	0	0	0	0
Rockwell	10	16	7	18	16	13	10	22	16	20	17	18	22	11
Swaledale	1	5	1	1	1	4	5	3	1	5	1	1	0	2
Thornton	5	4	5	3	10	6	7	5	16	8	6	6	2	3
Ventura	2	6	7	8	6	5	4	5	6	8	8	6	11	6
Balance of Cerro Gordo County	56	45	37	52	57	74	60	39	32	34	35	26	28	25
Cherokee County	131	142	115	134	157	141	158	169	164	192	141	158	158	163
Aurelia	11	12	13	6	14	6	6	24	22	28	16	21	25	16
Cherokee	44	56	43	52	62	66	73	78	95	95	77	88	85	105
Cleghorn	2	5	1	2	3	2	1	3	4	0	0	0	2	1
Larrabee	2	1	1	2	1	1	0	2	2	3	2	1	1	2
Marcus	10	7	11	11	18	17	12	27	19	27	11	13	14	11
Meriden	3	1	3	2	2	0	1	1	3	0	0	2	1	0
Quimby	9	6	3	6	10	6	9	2	2	7	4	2	5	3
Washta	2	4	5	4	1	5	5	3	1	3	3	4	0	2
Balance of Cherokee County	48	50	35	49	46	38	51	29	16	29	28	27	25	23
Chickasaw County	126	157	123	152	169	179	166	127	135	137	161	168	156	124
Alta Vista	4	2	2	4	6	5	5	3	1	9	3	8	7	3
Bassett	0	1	1	0	0	3	0	1	1	0	0	1	0	0
Fredericksburg	8	11	5	10	15	5	12	18	13	18	19	17	16	10
Ionia	2	2	3	4	5	6	4	2	2	2	6	2	4	5
Lawler	4	5	2	5	6	3	5	3	3	6	13	8	4	4
Nashua	16	23	18	16	20	25	23	19	17	15	17	22	16	13
New Hampton	29	56	40	42	50	49	45	52	62	53	66	67	74	50
North Washington	0	0	0	1	0	0	0	0	0	2	1	1	2	0
Balance of Chickasaw County	63	57	52	70	67	83	72	29	36	32	36	42	33	39
Clarke County	99	83	87	102	82	81	105	105	80	102	106	91	106	103
Murray	5	8	9	7	4	10	11	15	2	11	8	8	7	7
Osceola	63	54	51	60	45	41	50	71	62	67	75	59	76	70
Woodburn	4	1	5	0	3	3	2	1	1	4	5	5	1	0
Balance of Clarke County	27	20	22	35	30	27	42	18	15	20	18	19	22	26
Clay County	179	197	188	206	219	190	235	201	168	165	213	165	182	172
Dickens	2	4	4	4	3	4	4	2	0	1	3	0	1	1
Everly	5	5	10	3	6	8	6	14	5	9	3	8	4	10
Fostoria	2	3	0	3	4	2	4	4	5	1	4	2	2	1
Gillett Grove	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Greenville	2	1	2	0	1	0	2	2	2	2	1	0	1	1
Peterson	1	2	4	2	4	3	3	9	9	6	7	9	7	5
Rossie	1	0	1	1	0	2	0	1	0	3	0	0	1	0
Royal	2	6	2	7	10	2	9	4	9	4	7	4	4	7
Spencer	138	133	133	149	145	134	148	130	121	124	146	116	135	114
Webb	2	3	2	1	2	2	1	2	3	2	3	2	2	2
Balance of Clay County	24	40	30	36	44	33	58	33	14	13	39	24	25	31
Clayton County	207	195	176	206	207	242	228	255	187	220	226	219	214	220
Clayton	0	0	0	0	0	0	0	0	2	0	1	0	1	2
Edgewood (part)	0	5	5	7	5	3	4	4	5	3	4	2	5	5
Elkader	18	11	13	10	10	15	25	22	21	30	38	29	30	28
Elkport	0	1	1	4	0	0	1	0	0	0	0	0	0	0
Farmersburg	4	6	7	4	4	1	3	2	3	5	2	5	4	1
Garber	1	2	2	4	0	0	0	0	0	0	0	0	0	2
Garnaville	9	8	10	6	10	10	4	11	13	11	11	12	13	14
Guttenberg	30	19	22	28	22	28	22	42	31	49	36	52	46	53
Littleport	0	0	0	0	0	0	1	0	0	0	0	0	1	3
Luana	6	3	2	5	4	3	8	3	3	1	2	1	3	5
Marquette	5	5	6	7	2	7	9	8	2	1	6	4	7	5

Table 1. Births and Deaths in Incorporated Places and the Balance of the County in Iowa's Counties, 1992-1998 (ct.).

County/Place/Balance	Births							Deaths						
	1998	1997	1996	1995	1994	1993	1992	1998	1997	1996	1995	1994	1993	1992
Clayton County (continued)														
McGregor	11	12	12	14	16	21	18	24	7	12	18	12	15	11
Millville	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Monona	17	20	19	16	19	24	18	26	26	23	24	16	18	18
North Buena Vista	0	2	1	1	2	1	0	2	2	0	0	0	2	0
Osterdock	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Postville (part)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
St. Olaf	4	3	1	2	2	0	0	3	1	3	4	2	0	1
Strawberry Point	17	11	16	15	12	17	9	43	30	30	30	27	22	30
Volga	1	4	2	7	3	2	4	4	1	0	4	1	4	3
Balance of Clayton County	84	83	57	76	96	110	102	61	40	52	46	56	43	39
Clinton County														
Andover	1	1	0	1	2	1	0	1	4	0	1	0	0	1
Calamus	1	1	6	2	7	5	5	1	3	5	8	3	5	6
Camanche	47	33	37	45	44	32	44	25	30	34	30	32	39	28
Charlotte	10	7	5	6	8	6	6	1	1	2	6	7	5	4
Clinton	403	376	365	401	377	431	429	332	377	383	344	349	344	320
Delmar	3	6	4	7	6	6	6	9	3	5	2	3	6	6
De Witt	51	35	50	57	57	52	57	65	68	57	54	51	53	49
Goose Lake	4	4	3	3	6	1	1	2	1	2	2	3	2	4
Grand Mound	9	3	10	9	10	10	3	6	6	2	6	8	7	12
Lost Nation	4	7	6	7	2	6	3	9	8	5	3	8	10	5
Low Moor	3	5	2	2	3	4	4	1	1	1	3	5	4	3
Toronto	2	0	1	1	1	2	2	0	0	1	2	2	2	3
Welton	7	2	4	2	0	2	2	1	1	1	0	1	0	1
Wheatland	5	5	6	5	9	10	13	24	21	12	19	16	12	21
Balance of Clinton County	127	144	103	109	113	112	105	54	51	55	65	43	59	55
Crawford County														
Arion	1	2	5	2	2	1	0	0	0	2	2	0	2	0
Aspinwall	1	0	1	0	1	0	0	1	0	1	0	0	2	1
Buck Grove	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Charter Oak	3	4	10	6	5	13	11	10	8	5	7	9	6	7
Deloit	3	3	3	3	5	1	6	2	3	4	2	0	3	5
Denison	85	97	99	79	70	90	86	90	90	93	77	88	90	83
Dow City	4	5	7	7	8	3	3	3	8	3	6	11	5	6
Kiron	2	5	5	3	7	4	1	4	5	4	2	1	3	3
Manilla	12	15	10	5	6	9	8	21	18	18	29	17	25	17
Ricketts	1	2	2	2	0	1	0	1	2	2	0	2	1	3
Schleswig	11	15	8	7	6	5	5	4	6	7	4	8	6	17
Vail	12	5	8	5	3	9	8	3	8	3	3	7	4	6
Westside	4	3	6	9	6	5	4	2	3	3	1	2	3	1
Balance of Crawford County	54	55	68	50	57	67	64	22	27	36	19	27	29	22
Dallas County														
Adel	41	46	47	44	40	47	38	35	39	33	34	36	33	36
Bouton	2	2	3	3	0	2	2	2	1	0	0	3	1	1
Clive (part)	7	8	16	7	9	3	0	0	0	0	1	0	0	0
Dallas Center	27	14	19	20	32	19	25	22	26	19	17	15	15	19
Dawson	2	3	1	5	3	3	3	0	4	3	2	0	1	0
De Soto	17	25	23	15	16	11	20	1	6	5	8	4	6	3
Dexter	15	9	15	8	8	11	9	1	8	8	10	6	3	5
Granger	11	6	2	13	13	11	9	19	20	28	16	18	16	17
Grimes (part)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Linden	4	2	4	5	0	3	4	3	4	5	2	3	4	4
Minburn	5	5	8	4	5	8	8	6	3	2	2	6	3	3
Perry	124	136	124	114	99	108	86	104	95	106	107	120	104	91
Redfield	15	8	18	12	13	10	17	9	7	4	6	15	5	9
Urbandale (part)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Van Meter	11	12	15	8	10	19	13	6	2	5	9	4	5	3
Waukee	86	68	59	73	58	53	43	21	17	19	16	10	18	19
West Des Moines (part)	11	1	7	8	21	6	0	1	1	1	1	1	0	0
Woodward	21	13	15	14	22	18	15	18	26	21	31	19	15	19
Balance of Dallas County	128	124	125	124	91	93	130	51	58	42	38	35	45	44

Table 1. Births and Deaths in Incorporated Places and the Balance of the County in Iowa's Counties, 1992-1998 (ct.).

County/Place/Balance	Births							Deaths						
	1998	1997	1996	1995	1994	1993	1992	1998	1997	1996	1995	1994	1993	1992
Davis County	102	119	128	94	127	118	107	113	79	103	119	91	107	87
Bloomfield	27	24	26	23	27	26	30	65	48	58	60	39	59	46
Drakesville	0	2	2	2	2	1	2	2	2	1	4	2	6	3
Floris	1	1	6	2	1	1	0	3	0	1	1	2	1	1
Pulaski	2	3	4	2	1	3	2	3	0	0	2	3	3	2
Balance of Davis County	72	89	90	65	96	87	73	40	29	43	52	45	38	35
Decatur County	92	98	97	97	113	88	88	99	132	102	89	113	118	128
Davis City	7	6	8	7	10	7	2	3	2	4	2	5	4	5
Decatur City	3	2	2	1	2	0	4	3	1	4	4	0	8	2
Garden Grove	1	1	3	2	1	2	5	6	4	1	2	3	4	3
Grand River	5	4	2	1	7	0	1	1	1	1	3	5	1	2
Lamoni	15	22	15	14	16	12	13	24	38	24	13	24	29	27
Leon	21	23	20	29	33	22	29	37	57	41	40	50	48	57
Le Roy	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pleasanton	0	0	0	0	0	0	0	0	0	0	1	0	1	1
Van Wert	4	9	2	5	5	6	2	4	3	3	3	1	2	2
Weldon	2	4	3	4	2	5	3	1	2	0	2	1	3	2
Balance of Decatur County	34	27	42	34	37	34	29	20	24	24	19	24	18	27
Delaware County	247	208	233	213	268	262	261	140	152	158	171	149	173	181
Colesburg	5	4	4	5	5	3	6	4	3	2	3	11	5	1
Delaware	2	1	4	2	6	7	1	2	5	4	5	7	6	0
Delhi	7	3	3	5	0	0	4	0	0	0	0	2	0	5
Dundee	4	3	2	1	2	1	3	1	1	2	2	3	0	1
Dyersville (part)	2	0	1	1	0	2	1	0	0	0	0	0	0	0
Earlville	7	9	12	8	10	12	8	8	3	7	8	6	1	9
Edgewood (part)	13	9	9	12	7	4	6	15	15	19	18	7	22	15
Greeley	7	4	5	3	3	4	4	4	4	3	4	6	3	2
Hopkinton	9	5	8	12	8	9	9	7	14	14	7	7	9	10
Manchester	78	58	57	61	81	74	72	65	68	67	80	63	86	90
Masonville	1	4	1	1	0	1	0	0	1	2	1	0	2	3
Oneida	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Ryan	11	8	12	6	7	6	6	4	1	0	3	3	3	3
Balance of Delaware County	101	100	115	96	139	139	141	30	37	38	40	34	35	42
Des Moines County	514	549	565	523	524	558	568	429	445	454	468	412	428	399
Burlington	367	391	403	361	362	400	376	304	321	321	338	311	319	279
Danville	13	11	20	14	14	2	11	20	11	19	12	14	16	13
Mediapolis	26	20	16	18	19	21	26	31	25	28	33	23	21	20
Middletown	7	6	8	11	8	10	9	0	1	1	3	4	2	0
West Burlington	29	39	40	33	27	33	43	23	35	35	34	26	23	22
Balance of Des Moines County	72	82	78	86	94	92	103	51	52	50	48	34	47	65
Dickinson County	176	169	148	137	148	127	152	193	173	181	179	184	172	149
Arnolds Park	11	15	8	12	8	7	14	17	13	15	13	8	11	4
Lake Park	7	15	11	12	15	8	13	18	20	27	21	16	15	19
Milford	30	32	34	26	25	29	29	42	33	34	38	31	32	22
Okoboji	9	9	6	7	5	4	7	10	8	10	8	5	8	10
Orleans	0	0	0	0	0	1	0	0	1	4	0	0	0	0
Spirit Lake	65	52	44	47	49	41	48	63	58	59	65	62	57	53
Superior	1	3	2	4	2	2	2	3	3	4	0	4	3	3
Terril	8	5	5	3	2	1	2	4	0	4	3	1	4	5
Wahpeton	2	0	0	1	2	3	0	2	2	0	0	2	0	0
West Okoboji	0	0	0	0	0	0	0	1	1	0	0	1	0	0
Balance of Dickinson County	43	38	38	25	40	31	37	33	34	24	31	54	42	33
Dubuque County	1152	1143	1197	1188	1176	1252	1168	870	791	820	846	871	854	810
Asbury	0	0	0	1	0	4	3	1	0	2	5	4	4	3
Balltown	0	0	0	0	0	0	0	0	0	0	0	2	0	0
Bankston	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bernard	2	1	5	4	1	2	1	0	3	0	3	1	0	1
Cascade (part)	22	16	28	32	24	28	17	20	18	22	26	26	20	17
Centralia	0	0	0	0	1	0	1	1	0	0	1	0	0	1
Dubuque	799	780	803	776	797	867	809	705	635	642	661	663	677	643
Durango	2	3	2	1	2	0	1	2	1	0	0	1	0	1

Table 1. Births and Deaths in Incorporated Places and the Balance of the County in Iowa's Counties, 1992-1998 (ct.).

County/Place/Balance	Births							Deaths						
	1998	1997	1996	1995	1994	1993	1992	1998	1997	1996	1995	1994	1993	1992
Dubuque County (continued)														
Dyersville (part)	49	55	59	63	54	56	60	38	32	44	44	46	39	39
Epworth	13	18	15	17	21	22	22	5	8	3	6	9	4	6
Farley	20	24	20	19	23	19	17	8	13	13	9	10	7	10
Graf	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Holy Cross	0	5	9	14	5	6	2	5	4	2	1	4	2	3
Luxemburg	3	4	1	2	3	2	4	4	1	0	1	3	5	1
New Vienna	6	4	4	7	2	6	3	5	3	3	5	8	4	4
Peosta	12	11	10	10	9	6	7	3	2	0	2	2	1	0
Rickardsville	1	1	0	1	2	0	1	0	0	1	0	1	0	1
Sageville	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sherrill	2	4	3	6	8	2	3	1	5	1	1	1	1	2
Worthington	2	3	6	6	3	3	7	4	2	1	4	5	10	3
Zwingle (part)	2	1	0	0	0	1	0	0	0	0	2	2	0	0
Balance of Dubuque County	217	213	232	228	221	228	210	68	64	86	75	83	80	75
Emmet County														
Armstrong	16	6	12	12	4	9	13	26	18	19	12	19	19	26
Dolliver	1	1	0	1	0	1	1	0	1	2	2	0	3	0
Estherville	83	84	83	62	75	92	84	93	96	89	92	91	91	96
Gruver	2	3	1	1	2	3	1	1	0	0	0	1	2	1
Ringsted	3	1	6	1	4	5	4	2	7	4	6	5	8	6
Wallingford	3	4	4	4	2	6	4	0	2	3	0	1	0	2
Balance of Emmet County	18	19	28	27	22	25	28	11	19	25	17	16	23	16
Fayette County														
Arlington	5	5	2	11	7	5	11	6	9	10	9	7	8	5
Clermont	5	11	8	7	7	5	5	12	7	6	8	5	3	6
Elgin	3	6	7	8	2	5	9	7	11	6	4	10	7	9
Fairbank (part)	1	1	1	3	3	5	5	3	0	1	4	0	1	1
Fayette	14	18	18	20	10	14	16	9	17	24	15	23	17	20
Hawkeye	4	6	4	4	4	7	6	6	3	4	4	4	3	8
Maynard	9	3	4	4	7	4	3	5	9	10	3	10	2	7
Oelwein	79	77	96	82	105	75	78	118	108	115	96	108	105	81
Randalia	0	0	1	2	1	1	4	0	2	0	1	0	2	1
St. Lucas	1	0	0	4	3	1	3	2	4	4	1	4	7	3
Stanley (part)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wadena	2	3	0	7	6	1	0	5	3	2	2	2	5	7
Waucoma	3	5	4	3	2	5	2	6	6	5	5	5	5	3
Westgate	3	1	2	3	0	0	2	0	1	0	0	1	0	1
West Union	37	29	28	28	33	36	36	42	37	37	43	42	34	29
Balance of Fayette County	69	95	74	85	112	91	98	49	42	35	37	34	56	61
Floyd County														
Charles City	90	100	95	101	87	98	92	129	125	135	136	120	131	120
Colwell	1	1	1	0	2	2	1	0	0	1	0	0	0	2
Floyd	1	3	7	6	4	4	4	0	4	6	4	5	6	5
Marble Rock	9	6	4	5	3	9	3	11	5	1	2	10	7	7
Nora Springs	23	21	17	19	18	11	19	21	24	25	24	18	26	22
Rockford	9	7	16	12	8	16	12	10	8	11	8	8	8	13
Rudd	8	5	4	7	5	8	3	3	9	4	2	10	8	7
Balance of Floyd County	55	66	50	53	59	52	70	32	25	32	35	27	34	40
Franklin County														
Ackley (part)	1	0	0	1	1	2	1	0	0	0	0	1	1	1
Alexander	3	4	2	0	3	1	1	2	3	1	2	1	0	2
Coulter	3	4	3	2	2	3	1	0	6	0	6	0	3	3
Dows (part)	0	1	1	0	1	1	0	2	1	1	1	0	3	2
Geneva	0	0	5	4	3	2	2	6	4	1	1	2	1	3
Hampton	53	67	57	57	57	52	52	79	66	74	93	82	66	58
Hansell	0	0	0	0	2	0	0	3	0	0	1	2	2	0
Latimer	5	7	8	4	5	4	8	10	7	10	2	4	11	1
Popejoy	0	0	0	1	1	1	0	0	2	0	0	0	1	0
Sheffield	18	14	17	12	19	8	12	14	24	21	17	23	20	16
Balance of Franklin County	29	33	33	35	39	46	49	21	22	27	19	23	37	31

Table 1. Births and Deaths in Incorporated Places and the Balance of the County in Iowa's Counties, 1992-1998 (ct.).

County/Place/Balance	Births							Deaths						
	1998	1997	1996	1995	1994	1993	1992	1998	1997	1996	1995	1994	1993	1992
Fremont County	89	94	60	85	79	90	103	124	113	122	131	129	115	127
Farragut	3	4	4	5	3	8	7	5	5	10	6	7	7	5
Hamburg	18	12	14	13	15	17	25	22	22	18	34	22	31	26
Imogene	0	2	1	0	0	2	1	3	1	1	3	2	2	1
Randolph	1	2	2	4	0	2	2	2	3	4	3	3	1	4
Riverton	4	5	1	5	3	6	4	4	5	6	4	7	3	4
Shenandoah (part)	0	1	1	0	0	0	0	0	0	1	0	1	0	0
Sidney	16	13	12	11	23	14	15	33	24	36	21	36	26	27
Tabor (part)	9	12	6	11	10	5	9	25	26	22	23	10	13	26
Thurman	4	5	1	6	2	4	3	5	4	1	5	7	6	4
Balance of Fremont County	34	38	18	30	23	32	37	25	23	23	32	34	26	30
Greene County	110	110	120	112	108	129	123	148	131	153	138	104	116	141
Churdan	3	2	5	5	6	4	4	8	9	13	10	5	3	13
Dana	0	3	0	1	1	0	1	1	0	0	1	2	0	0
Grand Junction	12	11	8	8	16	12	10	10	13	10	6	8	4	10
Jefferson	40	45	57	45	43	57	54	93	75	92	84	63	81	81
Paton	2	2	2	6	4	8	2	3	8	2	7	4	2	4
Ralston (part)	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Rippey	8	6	5	5	2	3	4	2	4	6	1	1	1	5
Scranton	7	7	7	6	5	6	7	10	8	15	12	6	7	10
Balance of Greene County	38	34	36	36	30	39	41	21	14	15	17	15	18	18
Grundy County	136	128	124	98	111	141	113	144	135	141	134	122	127	89
Beaman	1	1	2	1	2	2	0	1	3	3	1	1	0	2
Conrad	10	13	13	8	14	12	17	15	19	12	16	18	17	18
Dike	14	9	14	10	13	11	8	7	6	10	8	7	9	5
Grundy Center	25	25	29	14	23	23	17	46	43	55	36	33	42	25
Holland	2	3	5	6	3	7	4	6	0	0	4	3	7	0
Morrison	0	0	1	0	1	2	1	0	0	0	0	3	1	1
Reinbeck	23	19	17	12	10	18	21	32	33	27	21	21	19	16
Stout	1	3	2	1	2	2	1	0	0	1	2	0	2	0
Wellsburg	6	6	8	3	3	7	3	13	14	11	14	9	10	7
Balance of Grundy County	54	49	33	43	40	57	41	24	17	22	32	27	20	15
Guthrie County	122	127	130	121	126	105	155	150	118	146	147	139	145	136
Adair (part)	0	0	1	0	0	0	0	8	7	11	9	9	10	6
Bagley	5	5	3	5	4	0	11	2	5	3	5	3	8	2
Bayard	5	6	3	6	7	11	8	19	14	18	12	10	18	13
Casey (part)	5	6	6	3	6	4	8	8	2	5	10	5	12	4
Coon Rapids (part)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Guthrie Center	21	20	26	13	25	14	23	33	27	30	39	33	25	35
Jamaica	4	4	3	4	2	4	5	3	5	2	2	4	3	1
Menlo	3	4	3	8	1	1	6	5	1	4	6	5	6	2
Panora	18	18	16	15	18	9	17	28	26	30	23	35	24	29
Stuart (part)	22	21	11	21	13	17	14	15	7	5	8	6	8	12
Yale	8	4	1	3	9	3	2	1	5	1	7	4	4	2
Balance of Guthrie County	31	39	57	43	41	42	61	28	19	37	26	25	27	30
Hamilton County	218	210	182	193	203	193	206	154	193	183	186	154	171	183
Blairsburg	3	2	5	4	5	3	4	1	3	2	5	2	1	3
Ellsworth	8	11	6	5	6	4	6	6	3	2	4	5	3	9
Jewell Junction	17	15	13	13	17	16	13	7	5	12	11	11	9	12
Kamrar	1	3	1	3	2	3	2	2	2	4	2	4	2	1
Randall	1	3	5	3	2	2	2	1	2	1	2	1	3	1
Stanhope	10	3	2	5	4	4	5	4	4	6	5	3	2	4
Stratford (part)	14	10	7	9	11	4	8	14	20	25	17	13	25	14
Webster City	115	112	93	99	101	100	101	102	122	111	107	91	99	111
Williams	7	4	13	3	5	6	4	4	3	5	4	5	8	3
Balance of Hamilton County	42	47	37	49	50	51	61	13	29	15	29	19	19	25
Hancock County	135	127	121	122	125	125	142	117	128	130	153	124	135	132
Britt	32	26	14	16	21	30	19	35	31	40	36	31	40	34
Corwith	3	5	5	4	1	5	2	4	4	5	2	5	4	6
Crystal Lake	5	3	4	4	3	3	7	5	2	6	2	6	4	9
Forest City (part)	1	3	1	1	2	0	0	1	1	2	0	1	0	1

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County/Place/Balance	Births							Deaths						
	1998	1997	1996	1995	1994	1993	1992	1998	1997	1996	1995	1994	1993	1992
Hancock County (continued)														
Garner	29	35	40	36	26	25	31	34	33	30	40	36	36	29
Goodell	0	2	0	0	0	0	3	0	1	0	2	1	0	1
Kanawha	10	10	9	8	8	5	7	9	15	21	28	18	20	17
Klemme	8	7	7	6	7	6	12	7	5	5	12	3	8	9
Woden	5	0	4	2	2	2	1	1	4	0	1	7	5	5
Balance of Hancock County	42	36	37	45	55	49	60	21	32	21	30	16	18	21
Hardin County														
Ackley (part)	19	18	16	16	24	16	15	43	44	25	36	38	30	47
Alden	6	12	9	19	12	13	19	10	3	4	10	7	6	12
Buckeye	2	4	0	0	0	0	1	0	2	2	1	1	1	0
Eldora	37	28	29	35	35	35	28	51	50	60	38	61	56	55
Hubbard	7	8	7	11	14	6	7	24	9	5	7	5	12	6
Iowa Falls	51	55	67	78	53	59	47	105	82	95	83	78	81	95
New Providence	3	3	4	3	6	1	3	1	4	0	2	3	4	3
Owasa	0	0	0	0	0	0	0	0	0	1	0	0	0	0
Radcliffe	8	6	11	5	5	5	3	8	9	5	4	5	12	3
Steamboat Rock	2	4	4	6	5	2	2	5	4	6	7	5	2	4
Union	6	5	6	3	9	9	3	2	3	3	7	4	6	9
Whitten	0	2	2	4	1	1	2	1	0	1	1	1	4	2
Balance of Hardin County	65	44	61	64	54	57	62	44	37	34	29	36	29	31
Harrison County														
Dunlap	14	14	6	6	13	13	11	35	20	35	24	20	27	27
Little Sioux	2	4	3	3	3	4	3	3	2	3	6	6	1	2
Logan	18	16	22	16	12	18	15	28	29	34	39	27	38	33
Magnolia	1	0	3	2	0	2	2	2	1	1	2	1	2	1
Missouri Valley	41	48	40	42	36	40	50	51	47	51	39	44	70	45
Modale	8	3	6	2	6	2	5	5	1	7	4	3	4	2
Mondamin	7	10	5	4	5	2	4	7	7	3	2	5	3	4
Persia	5	2	8	5	4	4	1	1	3	6	0	1	3	5
Pisgah	0	3	2	4	5	5	5	1	5	4	6	4	6	6
Woodbine	16	20	17	17	18	19	23	29	16	37	29	28	33	45
Balance of Harrison County	54	59	61	73	73	70	81	47	42	46	38	41	43	30
Henry County														
Coppock (part)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hillsboro	2	3	7	3	4	1	2	3	0	3	2	1	3	0
Mount Pleasant	114	98	98	114	125	103	112	81	92	86	90	92	101	96
Mount Union	2	0	6	2	4	7	2	0	2	0	1	2	1	1
New London	29	35	19	33	25	38	24	20	28	24	29	23	33	26
Olds	6	1	5	2	4	3	6	4	3	3	2	2	1	1
Rome	2	1	1	1	0	1	0	0	0	1	1	0	0	1
Salem	4	5	5	7	2	11	7	7	7	6	4	8	7	3
Wayland	7	8	7	10	8	10	8	15	17	18	12	18	16	12
Westwood	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Winfield	17	21	5	20	8	14	17	18	10	15	23	22	26	25
Balance of Henry County	67	69	50	84	59	64	78	35	37	32	36	29	45	35
Howard County														
Chester	1	1	2	0	1	0	0	4	0	4	3	3	0	1
Cresco	48	57	42	46	42	56	45	62	72	62	60	71	55	67
Elma	5	8	5	7	2	7	10	21	8	11	20	15	17	9
Lime Springs	5	4	3	9	3	4	8	13	11	8	8	12	4	6
Protivin	3	1	1	2	2	3	4	5	8	9	6	8	8	7
Riceville (part)	1	0	2	4	3	6	4	4	9	3	5	1	1	6
Balance of Howard County	49	53	37	50	43	36	55	37	31	26	31	22	40	26
Humboldt County														
Bode	3	8	4	2	8	2	6	2	6	5	6	5	7	5
Bradgate	0	1	0	1	1	0	1	2	3	0	1	0	1	3
Dakota City	13	13	12	3	10	13	8	5	7	10	10	9	4	7
Gilmore City (part)	1	5	7	2	2	6	3	4	5	6	1	4	2	1
Hardy	1	0	2	0	0	1	0	1	1	1	1	1	2	0
Humboldt	38	48	45	51	50	40	33	76	62	82	79	69	96	75

Table 1. Births and Deaths in Incorporated Places and the Balance of the County in Iowa's Counties, 1992-1998 (ct.).

County/Place/Balance	Births							Deaths						
	1998	1997	1996	1995	1994	1993	1992	1998	1997	1996	1995	1994	1993	1992
Humboldt County (continued)														
Livermore	2	4	4	2	7	4	2	7	5	6	7	9	5	11
Lu Verne (part)	0	0	0	0	0	0	0	0	0	0	1	1	1	0
Ottosen	1	1	0	1	0	1	0	1	1	0	1	2	1	0
Pioneer	0	1	0	1	1	0	0	1	1	1	0	0	0	0
Renwick	2	2	2	1	4	8	4	1	5	4	6	3	5	4
Rutland	2	2	0	2	0	0	0	0	2	0	1	1	3	0
Thor	2	2	1	4	2	3	3	0	2	2	1	2	0	5
Balance of Humboldt County	42	41	34	37	33	32	40	12	16	13	15	9	14	29
Ida County														
Arthur	3	4	1	1	4	4	4	6	5	5	5	3	6	6
Battle Creek	4	3	7	9	4	11	9	16	12	19	8	16	18	18
Galva	6	7	1	3	2	3	3	2	5	6	8	3	6	7
Holstein	22	19	23	12	12	13	14	30	16	23	40	28	25	17
Ida Grove	27	34	31	26	32	24	28	38	32	39	49	43	45	40
Balance of Ida County	28	32	36	22	32	38	36	19	15	9	15	16	17	16
Iowa County														
Ladora	5	1	6	5	5	7	4	3	0	4	5	5	3	2
Marengo	29	27	46	36	35	28	34	48	36	47	44	38	39	35
Millersburg	2	1	2	5	1	5	1	3	0	4	2	4	1	1
North English (part)	14	11	19	12	15	12	9	23	19	26	18	16	23	33
Parnell	3	6	2	0	3	6	6	1	4	3	1	1	2	1
Victor (part)	11	16	12	11	9	7	5	8	5	12	6	8	9	9
Williamsburg	34	31	42	29	39	31	28	29	25	27	24	25	35	32
Balance of Iowa County	76	63	98	94	105	117	109	58	67	60	76	67	60	50
Jackson County														
Andrew	7	2	4	3	3	4	3	3	3	3	3	7	0	2
Baldwin	0	2	2	3	1	1	2	0	2	2	3	1	0	2
Bellevue	22	33	34	26	25	28	39	35	32	44	29	34	42	23
La Motte	7	1	6	6	0	4	3	2	2	2	2	1	0	0
Maquoketa	74	71	66	88	88	81	83	96	117	98	103	102	118	92
Miles	3	3	12	7	5	10	5	1	3	5	10	4	4	7
Monmouth	2	1	1	2	2	5	2	3	1	0	5	3	3	1
Preston	11	17	17	9	11	15	8	12	11	17	14	11	14	14
Sabula	5	5	7	13	10	6	10	5	9	12	13	9	10	8
St. Donatus	1	4	2	2	4	1	1	0	0	3	0	0	0	0
Spragueville	2	2	0	2	0	0	0	0	0	0	0	0	0	3
Springbrook	1	3	1	7	3	8	2	2	4	3	0	2	2	5
Zwingle (part)	0	1	0	1	0	0	1	0	0	0	0	0	0	0
Balance of Jackson County	101	97	84	92	89	95	99	52	48	67	39	47	35	45
Jasper County														
Baxter	13	11	8	10	12	15	23	16	26	12	24	22	17	18
Colfax	32	30	30	37	35	32	31	16	22	20	22	26	24	24
Kellogg	2	9	6	9	9	5	8	4	5	7	10	8	6	7
Lambs Grove	2	0	0	0	1	2	0	0	0	0	0	1	1	0
Lynnville	2	1	6	5	5	4	3	3	3	4	3	3	1	6
Mingo	6	6	7	7	4	2	3	4	2	3	5	1	1	2
Monroe	19	26	21	24	15	29	18	19	15	12	12	19	17	17
Newton	208	217	217	189	207	193	197	185	174	189	180	202	186	183
Oakland Acres	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Prairie City	19	17	15	21	13	18	15	21	19	26	28	32	28	28
Reasnor	2	2	2	2	3	4	3	2	2	2	6	2	2	0
Sully	11	9	11	4	9	9	10	4	7	7	8	8	4	6
Valeria	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Balance of Jasper County	104	108	102	108	126	110	144	66	65	62	63	57	78	65
Jefferson County														
Batavia	3	6	7	8	3	7	16	8	4	6	0	1	7	3
Coppock (part)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fairfield	114	98	96	83	101	96	83	93	90	83	82	75	93	96
Libertyville	2	5	3	4	5	3	7	1	4	8	2	3	4	3
Lockridge	3	6	8	2	5	4	2	2	3	2	3	1	1	0

Table 1. Births and Deaths in Incorporated Places and the Balance of the County in Iowa's Counties, 1992-1998 (ct.).

County/Place/Balance	Births							Deaths						
	1998	1997	1996	1995	1994	1993	1992	1998	1997	1996	1995	1994	1993	1992
Jefferson County (continued)														
Packwood	1	1	1	2	4	6	3	1	5	3	1	3	1	1
Pleasant Plain	1	0	0	0	0	0	0	0	0	0	0	0	0	2
Balance of Jefferson County	48	45	56	54	54	61	74	57	51	57	54	54	60	55
Johnson County														
Coralville	244	223	245	254	225	233	242	63	53	59	59	53	53	42
Hills	10	9	13	13	13	7	9	12	7	6	10	11	9	10
Iowa City	631	654	627	626	681	713	717	251	270	280	277	248	252	249
Lone Tree	14	18	22	22	18	12	13	22	20	23	12	20	20	11
North Liberty	115	106	107	77	65	67	62	18	12	11	13	10	12	12
Oxford	8	20	15	11	8	13	14	4	3	5	3	10	5	6
Shueyville	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solon	30	17	25	22	27	18	20	23	27	30	18	26	27	37
Swisher	8	23	14	18	9	11	10	8	3	4	5	7	4	4
Tiffin	14	7	6	5	5	2	6	4	3	2	1	4	1	0
University Heights	0	0	0	0	1	0	0	0	0	1	0	0	0	0
Balance of Johnson County	201	197	198	210	236	261	266	81	78	71	82	86	72	65
Jones County														
Anamosa	50	59	51	55	60	66	60	57	44	44	46	48	43	41
Cascade (part)	1	0	2	1	3	1	1	4	0	2	0	5	0	1
Center Junction	0	3	1	1	0	1	1	1	1	3	0	4	1	2
Martelle	4	4	3	5	1	4	4	2	1	1	5	0	1	5
Monticello	44	42	62	39	56	46	41	58	48	63	50	49	66	56
Morley	4	0	3	3	1	0	0	1	2	1	2	2	0	0
Olin	7	10	8	8	8	11	4	5	10	9	6	9	5	4
Onslow	4	2	2	1	4	1	0	3	4	3	0	3	2	2
Oxford Junction	6	8	6	5	10	6	4	6	7	7	5	9	5	7
Wyoming	3	4	5	9	7	5	6	3	8	4	12	5	6	6
Balance of Jones County	60	81	81	69	103	94	122	48	38	47	42	36	48	43
Keokuk County														
Delta	6	3	4	3	3	6	7	3	8	5	1	1	1	7
Gibson	1	0	1	0	0	1	2	0	2	1	1	2	2	1
Harper	2	2	5	1	2	1	1	0	0	2	2	2	1	1
Hayesville	0	0	1	0	0	0	0	0	0	0	0	0	2	1
Hedrick	8	9	10	11	6	13	11	8	9	5	7	9	6	6
Keota	14	12	13	11	14	11	9	22	22	16	18	18	15	5
Keswick	8	1	2	5	2	2	5	1	4	2	4	1	2	2
Kinross	0	2	2	0	0	1	3	1	0	1	2	0	1	0
Martinsburg	3	2	1	3	1	2	1	0	1	3	1	4	2	1
North English (part)	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Ollie	4	1	1	1	4	2	2	3	2	4	3	2	5	5
Richland	6	7	7	8	6	7	11	10	11	6	9	4	11	10
Sigourney	28	23	18	25	24	22	25	38	49	53	47	56	46	44
South English	4	4	1	3	0	2	0	0	5	3	3	2	4	3
Thornburg	0	3	0	1	1	1	1	0	1	4	3	0	1	0
Webster	3	2	2	2	0	1	1	1	0	4	1	0	0	2
What Cheer	6	5	6	10	5	4	14	7	8	7	10	7	4	6
Balance of Keokuk County	49	51	60	61	60	67	54	27	29	29	22	30	34	30
Kossuth County														
Algona	53	66	54	59	55	77	66	87	68	61	93	68	84	76
Bancroft	9	5	9	11	10	9	11	24	20	7	17	14	11	13
Burt	7	6	5	6	6	8	4	9	10	9	9	7	10	6
Fenton	3	0	3	4	3	5	5	2	1	7	6	2	7	7
Lakota	2	5	1	5	2	3	4	5	6	5	4	8	7	4
Ledyard	3	0	1	1	1	1	0	1	4	4	2	2	6	5
Lone Rock	2	4	2	0	0	4	2	2	1	4	4	1	7	0
Lu Verne (part)	4	3	6	3	4	3	1	4	2	5	1	6	10	5
Swea City	10	10	7	9	6	4	8	9	17	12	10	11	11	8
Titonka	10	6	3	9	9	5	5	22	19	22	16	15	15	19
Wesley	3	4	7	1	10	8	8	3	7	10	6	5	6	5
West Bend (part)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Whittemore	3	9	4	8	8	8	8	8	8	9	8	6	7	10
Balance of Kossuth County	64	56	61	58	82	84	77	38	46	40	46	49	42	38

Table 1. Births and Deaths in Incorporated Places and the Balance of the County in Iowa's Counties, 1992-1998 (ct.).

County/Place/Balance	Births							Deaths						
	1998	1997	1996	1995	1994	1993	1992	1998	1997	1996	1995	1994	1993	1992
Lee County	449	446	477	479	435	526	540	419	426	435	460	470	463	444
Donnellson	9	9	5	19	15	15	12	18	18	26	20	17	20	26
Fort Madison	148	153	141	134	124	139	151	133	132	148	157	154	133	133
Franklin	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Houghton	2	1	0	2	2	3	1	0	0	0	2	0	1	0
Keokuk	154	152	170	190	167	209	212	155	160	163	169	191	177	174
Montrose	11	12	12	7	11	16	17	24	21	24	25	14	22	20
St. Paul	0	2	1	2	0	1	0	2	0	0	0	0	1	1
West Point	16	15	15	7	20	14	12	23	18	18	21	23	23	8
Balance of Lee County	109	102	133	118	96	129	135	64	77	56	66	71	86	82
Linn County	2635	2584	2540	2597	2550	2551	2644	1392	1337	1333	1358	1361	1356	1230
Alburnett	8	14	2	10	11	5	10	4	4	3	4	3	3	4
Bertram	0	0	0	0	0	0	0	0	1	0	0	0	1	0
Cedar Rapids	1774	1675	1747	1768	1799	1761	1824	962	926	920	974	980	971	874
Center Point	27	31	34	35	17	2	32	5	5	7	4	10	0	17
Central City	24	27	17	16	30	43	14	18	18	25	17	13	16	16
Coggon	14	9	9	7	12	9	12	6	7	2	7	12	7	5
Ely	14	18	9	12	8	5	11	3	5	4	5	1	3	4
Fairfax	9	11	19	11	6	15	11	5	2	5	9	4	6	6
Hiawatha	86	112	93	89	92	84	89	42	32	27	28	23	20	19
Lisbon	25	30	25	25	20	18	26	14	11	11	17	10	12	8
Marion	389	356	318	345	313	325	341	194	189	206	178	181	166	145
Mount Vernon	42	36	23	35	33	23	40	33	20	25	27	26	35	30
Palo	7	10	16	5	14	12	9	5	8	7	8	3	4	8
Prairieburg	0	6	4	1	0	1	1	3	0	2	0	1	3	1
Robins	21	28	21	20	17	17	17	5	3	3	2	5	2	8
Springville	17	20	16	9	19	16	13	16	10	12	11	8	11	9
Walford (part)	0	0	0	3	12	13	13	4	6	4	3	5	7	4
Walker	13	13	9	16	0	0	0	0	0	0	0	0	0	0
Balance of Linn County	165	188	178	190	147	202	181	73	90	70	64	76	89	72
Louisa County	173	190	161	174	161	184	143	111	101	110	122	137	147	113
Columbus City	4	8	5	0	9	32	2	18	17	2	4	5	18	3
Columbus Junction	45	44	38	48	38	17	23	5	5	26	23	24	10	19
Cotter	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fredonia	0	0	1	0	0	2	1	0	0	0	0	0	0	0
Grandview	9	10	5	6	9	9	4	3	6	4	4	4	5	5
Letts	2	4	6	4	5	7	5	2	4	6	4	7	7	1
Morning Sun	11	11	8	16	7	7	11	17	19	16	14	22	16	16
Oakville	4	14	7	8	13	11	4	3	2	3	9	4	6	4
Wapello	30	35	37	37	26	43	36	28	22	19	31	31	41	33
Balance of Louisa County	68	64	54	55	54	56	57	35	26	34	33	40	44	32
Lucas County	115	95	123	100	129	117	100	130	118	111	112	118	107	122
Chariton	65	56	69	54	76	74	59	105	91	80	77	85	73	87
Derby	1	2	1	3	2	2	4	0	1	2	2	0	1	2
Lucas	4	2	3	2	4	2	3	0	5	2	1	0	6	0
Russell	8	5	11	6	11	7	4	8	4	9	5	6	4	9
Williamson	0	1	5	4	0	1	0	2	0	0	2	1	3	4
Balance of Lucas County	37	29	34	31	36	31	30	15	17	18	25	26	20	20
Lyon County	149	137	150	136	165	162	180	116	118	124	133	123	136	116
Alvord	1	1	2	3	5	4	2	2	2	4	2	1	0	1
Doon	11	9	13	9	10	11	9	3	5	2	3	3	3	4
George	9	6	6	5	9	13	13	22	31	28	26	26	27	24
Inwood	15	13	14	9	14	16	11	16	17	14	12	14	19	12
Larchwood	10	6	12	12	13	7	11	4	2	5	9	4	3	12
Lester	2	6	2	6	3	8	3	0	1	1	2	1	3	2
Little Rock	7	5	4	4	2	10	6	6	6	3	4	7	4	4
Rock Rapids	32	24	24	25	36	25	35	46	36	45	51	47	52	40
Balance of Lyon County	62	67	73	63	73	68	90	17	18	22	24	20	25	17

Table 1. Births and Deaths in Incorporated Places and the Balance of the County in Iowa's Counties, 1992-1998 (ct.).

County/Place/Balance	Births							Deaths						
	1998	1997	1996	1995	1994	1993	1992	1998	1997	1996	1995	1994	1993	1992
Madison County	164	169	152	159	160	162	155	182	173	138	159	145	143	164
Bevington (part)	0	2	0	0	0	0	1	0	0	0	0	0	1	0
Earlham	20	14	18	16	13	12	14	15	24	11	20	17	12	15
East Peru	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Macksburg	2	1	2	1	1	3	0	1	2	0	0	1	0	0
Patterson	1	1	2	1	5	2	2	1	2	3	1	0	0	2
St. Charles	14	11	10	9	18	15	11	6	4	2	6	9	9	4
Truro	10	4	4	6	7	6	8	2	5	6	4	2	5	6
Winterset	64	65	63	81	57	63	62	116	93	86	94	85	79	102
Balance of Madison County	53	71	53	45	59	61	57	41	43	30	34	31	37	35
Mahaska County	285	258	260	291	272	277	264	205	204	234	224	240	223	220
Barnes City (part)	1	2	3	4	3	2	2	2	2	2	5	2	0	2
Beacon	4	4	3	1	3	2	3	2	1	6	3	2	3	0
Eddyville (part)	3	1	2	3	3	4	5	4	4	3	2	6	4	3
Fremont	9	9	10	9	8	16	12	10	5	13	9	12	6	8
Keomah Village	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Leighton	2	2	2	4	2	3	1	1	1	1	3	3	2	1
New Sharon	17	17	17	13	16	19	15	28	28	22	24	20	32	26
Oskaloosa	160	153	144	159	154	138	132	123	125	140	135	147	136	140
Rose Hill	2	0	3	5	2	3	3	0	0	6	2	2	2	0
University Park	8	7	6	9	8	5	6	0	2	1	1	1	2	2
Balance of Mahaska County	79	63	70	84	73	85	85	35	36	40	40	45	36	38
Marion County	403	333	378	363	419	391	412	355	314	330	327	315	308	326
Bussey	9	6	11	7	9	6	3	6	7	5	8	4	4	6
Hamilton	2	2	0	2	2	0	0	2	0	4	2	2	1	2
Harvey	1	5	10	1	5	4	3	3	0	2	1	2	4	2
Knoxville	118	82	124	115	103	107	117	127	127	150	134	131	122	135
Marysville	0	1	0	0	0	0	1	0	0	0	0	0	0	1
Melcher-Dallas	10	9	12	16	18	18	18	14	9	16	13	20	17	12
Pella	109	106	96	99	121	117	132	111	98	90	108	87	89	90
Pleasantville	26	20	26	12	20	19	22	25	20	18	20	19	25	25
Swan	3	0	1	3	2	1	2	0	1	0	1	2	0	0
Balance of Marion County	125	102	98	108	139	119	114	67	52	45	40	48	46	53
Marshall County	511	472	553	516	523	523	471	498	511	522	529	514	497	456
Albion	9	11	7	11	10	8	8	1	4	5	5	3	5	4
Clemons	2	2	2	2	4	3	5	3	2	1	0	0	1	1
Ferguson	1	0	0	3	3	0	3	1	4	3	0	0	0	2
Gilman	8	7	5	5	10	8	7	3	9	6	5	10	4	5
Haverhill	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Laurel	6	4	7	7	4	2	0	3	4	3	3	3	4	3
Le Grand	9	12	8	10	10	7	13	7	6	6	8	5	5	7
Liscomb	1	6	2	5	5	4	7	3	1	3	2	4	5	1
Marshalltown	354	346	393	364	363	358	316	397	395	396	402	383	376	339
Melbourne	13	5	18	8	10	11	4	4	5	5	4	10	7	6
Rhodes	6	1	3	6	8	1	2	4	4	0	2	6	6	6
St. Anthony	2	3	1	0	0	2	0	0	0	0	0	1	3	1
State Center	14	15	16	12	21	24	21	26	29	19	34	24	24	25
Balance of Marshall County	86	60	91	83	75	95	85	46	48	75	64	65	57	56
Mills County	194	159	177	158	183	159	151	123	139	134	116	123	149	110
Emerson	8	3	5	5	8	4	10	5	2	8	4	5	9	5
Glenwood	94	71	86	63	79	59	61	52	81	62	61	61	74	61
Hastings	8	4	3	3	3	2	1	0	3	3	1	2	2	2
Henderson	2	0	2	2	1	2	1	3	2	2	2	2	2	3
Malvern	18	12	15	9	15	13	9	24	17	20	13	18	18	15
Pacific Junction	8	5	7	8	2	9	6	7	8	4	5	3	7	6
Silver City	3	1	3	3	3	7	1	3	2	3	2	4	0	1
Tabor (part)	2	0	0	0	3	4	0	1	0	0	0	0	0	0
Balance of Mills County	51	63	56	65	69	59	62	28	24	32	28	28	37	17

Table 1. Births and Deaths in Incorporated Places and the Balance of the County in Iowa's Counties, 1992-1998 (ct.).

County/Place/Balance	Births							Deaths						
	1998	1997	1996	1995	1994	1993	1992	1998	1997	1996	1995	1994	1993	1992
Mitchell County	123	133	130	129	142	154	126	148	151	146	139	136	157	153
Carpenter	1	1	3	2	2	2	0	2	3	1	2	1	0	0
McIntire	5	1	3	3	4	2	4	0	3	0	0	1	0	2
Mitchell	0	2	0	1	1	0	0	1	2	0	0	0	0	0
Orchard	1	1	0	1	1	2	1	0	1	0	1	0	1	0
Osage	39	47	32	38	33	49	37	57	70	59	54	63	62	58
Riceville (part)	2	8	9	4	2	7	3	30	13	12	25	16	22	12
St. Ansgar	9	10	5	9	15	13	2	42	39	46	30	35	39	25
Stacyville	4	2	5	3	0	0	7	0	2	1	0	3	1	24
Balance of Mitchell County	62	61	73	68	84	79	72	16	18	27	27	17	32	32
Monona County	99	109	98	126	124	106	145	160	155	161	156	160	158	162
Blencoe	1	4	1	1	2	1	0	0	5	1	3	4	1	4
Castana	3	2	2	5	4	1	5	1	1	4	2	3	2	1
Mapleton	12	16	14	18	10	12	16	32	30	25	31	30	27	20
Moorhead	2	3	2	6	1	3	4	2	3	5	4	8	8	2
Onawa	40	35	26	36	34	26	33	57	58	57	61	58	51	56
Rodney	2	1	3	2	1	3	2	1	0	0	0	1	3	4
Soldier	6	2	1	2	4	3	4	0	1	3	3	2	1	5
Turin	0	0	1	1	1	0	1	1	3	0	0	1	1	0
Ute	3	4	1	4	3	0	8	13	11	4	6	8	5	8
Whiting	4	8	16	9	12	5	12	24	23	26	25	21	30	29
Balance of Monona County	26	34	31	42	52	52	60	29	20	36	21	24	29	33
Monroe County	77	95	97	89	87	119	98	95	99	99	111	115	96	118
Albia	36	55	53	47	46	57	50	66	63	71	80	80	66	83
Eddyville (part)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lovilia	9	5	5	5	8	10	11	7	7	6	9	8	6	11
Melrose	0	2	1	1	1	1	1	0	2	2	2	1	1	3
Balance of Monroe County	32	33	38	36	32	51	36	22	27	20	20	26	23	21
Montgomery County	152	112	160	161	160	141	165	177	177	197	190	145	183	156
Coburg	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Elliott	6	3	3	7	4	5	6	7	1	3	8	4	4	4
Grant	1	2	0	1	0	1	1	2	2	3	1	3	1	2
Red Oak	95	65	100	98	96	83	100	113	106	106	109	95	104	91
Stanton	6	5	6	10	6	1	8	14	12	30	16	8	18	14
Villisca	16	17	15	15	16	20	16	26	34	29	40	19	35	28
Balance of Montgomery County	28	20	36	30	38	31	34	15	22	26	16	16	21	17
Muscatine County	614	570	591	629	626	642	656	377	358	329	368	414	380	375
Atalissa	10	5	5	6	5	3	3	1	0	2	4	7	3	5
Conesville	7	15	11	14	8	7	9	3	1	2	1	2	3	1
Durant (part)	0	0	0	0	1	1	1	0	0	0	0	0	0	0
Fruitland	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Muscatine	360	322	373	395	405	393	398	221	237	205	237	283	252	235
Nichols	6	12	7	10	4	6	2	2	4	1	1	2	3	3
Stockton	2	4	4	6	1	6	4	0	1	5	1	2	1	2
Walcott (part)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
West Liberty	61	51	50	54	54	54	64	31	35	28	42	29	43	25
Wilton (part)	41	23	39	30	33	37	50	23	15	20	27	19	13	26
Balance of Muscatine County	127	138	102	114	115	135	125	96	65	66	55	70	62	78
O'Brien County	160	192	190	200	174	191	199	188	181	198	194	204	184	192
Archer	5	1	1	1	1	1	0	0	1	3	1	1	1	4
Calumet	3	2	2	3	5	1	3	1	1	1	3	3	2	6
Hartley	16	19	21	22	13	16	25	32	31	25	30	31	25	33
Moneta	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Paullina	8	8	12	10	8	12	10	20	26	20	19	25	20	25
Primghar	6	11	14	9	11	9	12	23	17	20	18	19	14	7
Sanborn	18	14	13	16	17	16	19	23	29	35	31	24	18	21
Sheldon (part)	59	75	71	72	65	71	57	55	52	60	61	53	63	62
Sutherland	12	14	7	8	7	13	13	18	9	15	13	17	18	19
Balance of O'Brien County	33	48	49	59	47	52	60	16	15	19	18	31	23	14

Table 1. Births and Deaths in Incorporated Places and the Balance of the County in Iowa's Counties, 1992-1998 (ct.).

County/Place/Balance	Births							Deaths						
	1998	1997	1996	1995	1994	1993	1992	1998	1997	1996	1995	1994	1993	1992
Polk County (continued)														
Clive	190	145	151	80	106	93	101	33	21	18	18	14	21	17
Des Moines	3391	3404	3529	3477	3449	3528	3712	1894	1834	1892	1906	1827	1864	1778
Elkhart	7	5	2	11	8	10	10	2	1	5	5	3	3	2
Grimes	104	95	91	83	88	92	64	18	14	12	20	11	15	12
Johnston	76	86	67	51	61	55	56	83	65	80	57	60	54	50
Mitchellville	27	29	13	18	23	19	18	26	34	24	20	20	22	14
Pleasant Hill	64	87	76	52	56	34	38	33	20	28	20	27	20	19
Polk City	31	35	32	47	38	35	38	26	25	22	17	18	20	12
Runnells	11	8	11	13	5	12	8	11	6	2	9	3	7	5
Sheldahl (part)	0	0	1	1	1	3	0	1	2	2	1	2	2	3
Urbandale	384	351	341	259	308	302	311	134	140	134	133	125	109	99
West Des Moines (part)	687	569	601	585	548	503	477	260	241	247	206	217	235	198
Windsor Heights	33	51	69	20	16	22	10	29	23	34	30	36	22	22
Balance of Polk County	258	262	276	224	227	244	250	121	118	71	74	84	94	105
Pottawattamie County														
Avoca	24	18	22	22	10	12	18	16	22	30	21	25	22	17
Carson	7	9	9	7	1	0	6	0	0	0	0	0	1	8
Carter Lake	39	47	42	46	61	53	56	34	37	30	32	31	28	23
Council Bluffs	861	873	845	857	857	898	928	626	571	552	568	586	561	534
Crescent	7	9	12	7	7	10	11	1	9	4	0	1	3	5
Hancock	2	1	2	1	3	3	2	5	1	2	1	1	3	4
Macedonia	4	2	1	1	2	2	1	3	5	3	4	5	8	4
McClelland	1	3	2	2	2	0	6	4	0	3	0	0	1	1
Minden	12	7	3	8	4	6	5	7	7	3	2	8	3	5
Neola	14	16	8	10	9	11	11	8	9	3	7	6	4	3
Oakland	25	13	20	7	17	9	20	28	26	24	22	20	30	25
Shelby (part)	0	0	0	0	0	0	0	0	1	0	0	0	0	1
Treynor	9	7	7	14	11	11	7	3	8	10	8	11	5	3
Underwood	13	11	8	10	6	9	8	9	4	2	6	1	2	7
Walnut	8	8	4	3	7	4	4	8	10	8	6	10	8	16
Balance of Pottawattamie County	134	161	117	147	159	165	178	101	95	85	80	85	90	75
Poweshiek County														
Barnes City (part)	0	0	0	0	0	0	0	0	2	0	0	0	0	0
Brooklyn	18	17	13	14	16	13	20	34	22	19	19	18	21	22
Deep River	5	4	4	3	2	3	2	4	2	4	2	3	3	5
Grinnell	92	96	87	101	104	95	90	130	109	120	114	100	93	105
Guernsey	2	0	1	1	1	0	3	4	3	0	0	3	1	1
Hartwick	1	2	1	2	1	1	1	1	1	1	1	0	1	0
Malcom	6	7	6	7	6	3	7	2	0	3	4	0	1	3
Montezuma	18	12	25	18	23	12	18	32	24	26	19	33	20	19
Searsboro	1	0	1	1	1	3	0	1	2	1	3	0	2	2
Victor (part)	1	0	0	2	0	2	3	0	1	2	1	1	2	1
Balance of Poweshiek County	51	54	56	66	57	73	71	39	38	37	35	43	40	46
Ringgold County														
Beaconsfield	0	2	0	0	0	0	0	0	1	1	0	0	1	1
Benton	0	0	0	1	0	0	0	0	0	0	0	1	0	0
Clearfield (part)	0	0	0	0	0	1	0	1	1	0	0	1	0	0
Delphos	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diagonal	3	2	3	3	2	3	3	0	1	3	5	7	6	3
Ellston	0	0	1	0	0	0	0	1	2	1	0	1	0	0
Kellerton	1	2	5	8	4	3	7	6	2	1	2	5	2	3
Maloy	0	1	0	0	0	0	0	0	1	1	1	1	0	0
Mount Ayr	17	25	9	15	9	10	18	48	57	43	40	48	56	47
Redding	0	0	0	3	0	0	2	2	1	1	2	1	2	1
Shannon City (part)	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Tingley	1	4	3	2	0	2	1	3	4	1	6	5	5	7
Balance of Ringgold County	25	29	22	23	15	19	26	11	20	22	15	18	11	15

Table 1. Births and Deaths in Incorporated Places and the Balance of the County in Iowa's Counties, 1992-1998 (ct.).

County/Place/Balance	Births							Deaths						
	1998	1997	1996	1995	1994	1993	1992	1998	1997	1996	1995	1994	1993	1992
Sac County	112	130	159	136	126	139	140	174	170	167	162	167	176	155
Auburn	1	8	5	2	5	6	5	7	7	1	3	6	5	4
Early	8	6	10	2	11	11	12	8	7	18	12	10	14	12
Lake View	8	13	13	11	7	13	11	31	26	27	11	36	25	22
Lytton	5	4	3	6	2	1	4	6	10	2	3	0	2	2
Nemaha	2	1	2	0	2	0	2	1	1	7	2	1	2	1
Odebolt	10	6	17	18	12	9	14	24	25	26	23	17	26	19
Sac City	17	25	26	28	26	27	20	47	42	43	51	31	43	47
Schaller	9	8	15	9	12	7	9	7	10	5	11	8	11	8
Wall Lake	13	12	7	16	9	15	10	14	19	18	15	29	23	18
Balance of Sac County	39	47	61	44	40	50	53	29	23	20	31	29	25	22
Scott County	2339	2175	2303	2251	2243	2408	2483	1302	1269	1182	1302	1259	1307	1224
Bettendorf	225	130	361	371	360	377	373	209	218	168	204	204	220	179
Blue Grass	10	14	20	27	24	24	23	9	10	11	19	15	8	18
Buffalo	9	5	16	8	13	24	14	17	12	8	8	10	12	3
Davenport	1634	1519	1604	1522	1578	1634	1711	915	886	838	933	900	919	887
Dixon	4	3	3	6	6	3	0	1	2	2	1	2	2	3
Donahue	2	3	4	4	7	4	7	2	2	3	4	2	0	6
Durant (part)	0	0	0	0	1	3	1	1	0	1	2	1	3	1
Eldridge	36	32	54	81	69	73	87	14	13	16	21	18	27	14
Le Claire	20	25	32	28	40	31	43	26	23	31	19	21	28	19
Long Grove	9	4	8	6	3	8	12	3	3	3	5	6	3	4
Maysville	0	0	0	1	0	2	1	0	0	0	0	0	1	0
McCausland	1	4	1	4	1	4	5	1	2	2	3	2	1	2
New Liberty	2	3	3	5	3	0	1	0	0	1	1	1	1	1
Panorama Park	0	0	0	0	0	0	0	0	0	0	1	0	0	0
Princeton	8	6	10	10	8	13	12	3	8	7	9	8	8	3
Riverdale	0	1	0	3	2	1	2	2	3	1	1	3	3	2
Walcott (part)	11	2	15	22	16	24	24	5	4	9	16	14	8	14
Balance of Scott County	368	424	172	153	112	183	167	94	83	81	55	52	63	68
Shelby County	142	140	115	156	146	163	154	151	189	143	170	169	147	146
Defiance	5	5	3	1	4	2	6	1	4	1	4	5	1	1
Earling	8	3	4	4	7	10	2	20	16	16	6	22	20	10
Elk Horn	4	3	3	6	7	3	3	31	47	34	39	35	22	31
Harlan	52	60	41	64	62	70	55	60	82	56	82	68	63	66
Irwin	2	3	0	4	3	3	7	3	5	4	4	2	4	9
Kirkman	1	0	0	1	1	0	1	1	0	0	0	0	0	0
Panama	2	1	4	5	2	5	5	5	5	1	7	6	5	0
Portsmouth	8	2	3	1	4	2	1	1	1	1	1	1	2	0
Shelby (part)	5	10	10	9	7	6	8	5	5	6	4	7	8	6
Tennant	0	0	0	2	1	0	1	0	1	0	0	1	0	0
Westphalia	1	3	2	2	1	2	1	0	3	1	0	1	0	0
Balance of Shelby County	54	50	45	57	47	60	64	24	20	23	23	21	22	23
Sioux County	400	413	376	410	380	437	433	244	270	237	229	244	242	218
Alton	11	13	18	10	15	20	14	7	12	11	6	16	11	4
Boyden	8	7	5	8	6	8	17	6	5	4	8	5	6	3
Chatsworth	2	1	0	2	2	3	3	2	1	0	0	2	1	2
Granville	5	1	5	5	2	5	4	5	5	4	3	6	3	7
Hawarden	29	28	22	25	31	25	38	33	32	34	37	34	40	39
Hospers	13	13	6	16	3	8	9	6	14	12	6	5	14	5
Hull	38	30	44	30	28	31	28	23	27	20	18	23	29	16
Ireton	11	7	6	9	8	10	7	4	4	5	6	3	3	4
Matlock	2	2	1	1	2	3	2	2	3	0	0	1	1	0
Maurice	3	1	3	4	2	4	4	1	0	0	3	2	1	1
Orange City	61	66	48	60	61	63	59	46	54	53	42	40	38	41
Rock Valley	34	35	33	35	40	38	31	38	36	36	42	37	37	34
Sheldon (part)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sioux Center	61	72	57	62	61	64	69	39	40	41	41	42	42	36
Balance of Sioux County	122	137	128	143	119	155	148	32	37	17	17	28	16	26

Table 1. Births and Deaths in Incorporated Places and the Balance of the County in Iowa's Counties, 1992-1998 (ct.).

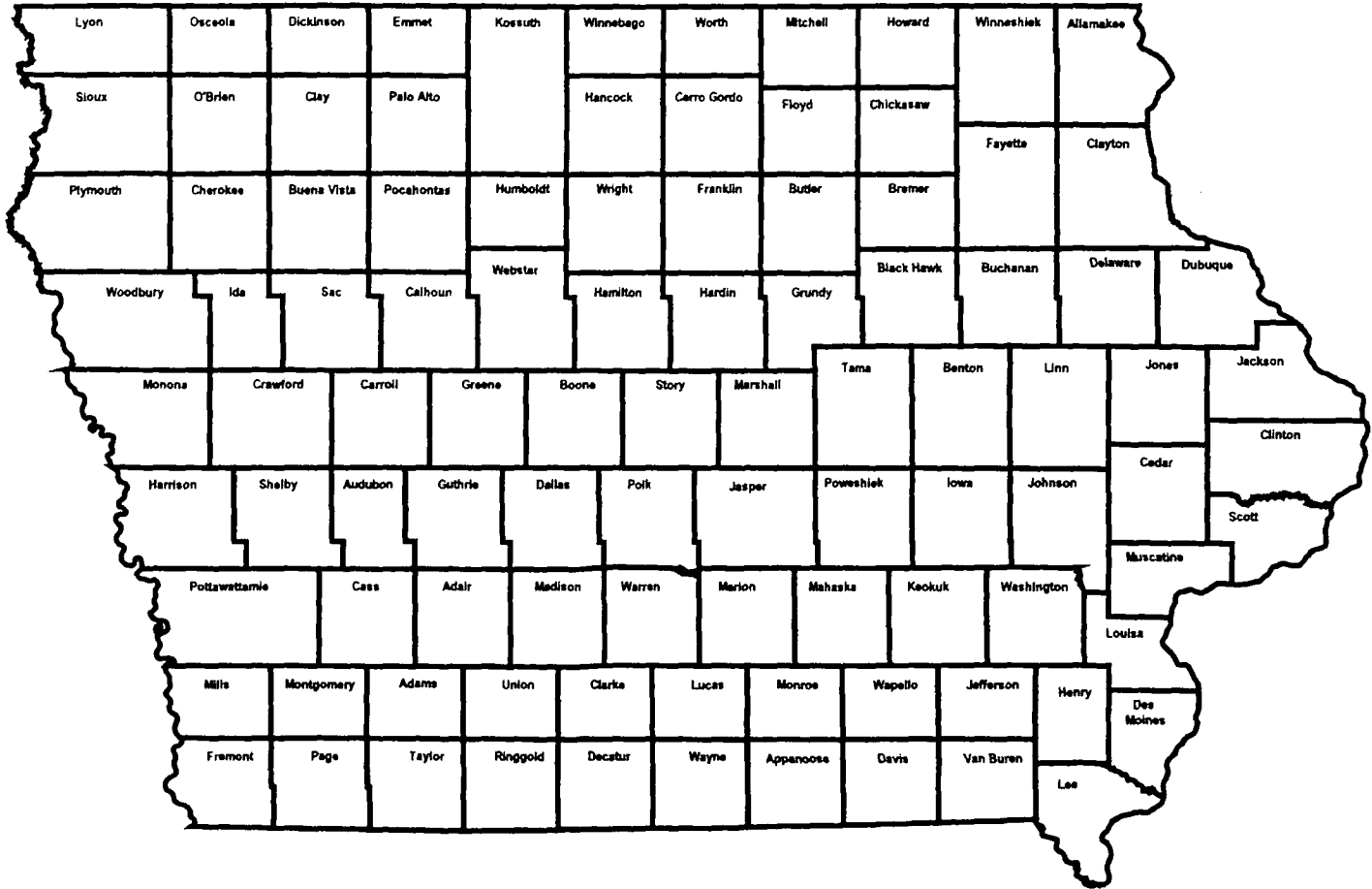
County/Place/Balance	Births							Deaths						
	1998	1997	1996	1995	1994	1993	1992	1998	1997	1996	1995	1994	1993	1992
Story County	860	846	904	856	844	785	878	450	452	418	425	389	420	412
Ames	492	501	520	513	514	469	492	211	191	165	180	167	175	171
Cambridge	14	18	18	7	7	14	14	3	7	7	7	2	9	4
Collins	7	10	7	9	0	0	1	0	0	1	0	0	0	2
Colo	9	5	13	8	16	6	13	15	12	8	7	8	13	10
Gilbert	15	16	12	10	13	13	13	2	2	3	6	1	4	3
Huxley	39	41	39	30	33	27	41	12	20	22	14	9	13	13
Kelley	5	6	6	3	7	4	9	1	1	0	2	1	2	2
Maxwell	14	10	17	9	5	14	17	5	8	11	7	7	12	7
McCallsburg	3	2	6	3	2	1	6	3	2	3	0	3	3	2
Nevada	84	66	90	82	77	75	82	77	65	58	56	63	49	65
Roland	15	21	24	17	14	20	14	6	7	12	12	8	6	6
Sheldahl (part)	2	4	2	5	2	3	3	1	2	0	0	0	0	1
Slater	21	17	18	15	24	14	18	6	9	14	13	8	13	9
Story City	42	31	30	41	30	28	36	46	70	63	66	53	57	56
Zearing	4	15	12	7	7	4	8	17	14	15	7	22	19	15
Balance of Story County	94	83	90	97	93	93	111	45	42	36	48	37	45	46
Tama County	222	248	230	236	236	225	226	200	195	223	219	229	222	170
Chelsea	6	3	10	5	7	7	8	2	5	1	0	1	6	2
Clutier	2	3	6	5	3	1	1	0	4	3	1	2	6	7
Dysart	18	14	14	12	12	17	5	20	25	25	33	26	20	21
Elberon	5	7	6	7	4	2	3	2	1	0	1	2	2	0
Garwin	4	5	2	6	3	5	7	7	2	7	7	7	13	5
Gladbrook	9	9	8	9	15	19	14	17	15	27	12	15	25	10
Lincoln	3	3	1	1	4	1	6	2	1	4	1	1	4	4
Montour	7	2	5	2	11	1	8	0	1	3	5	1	5	2
Tama	38	60	53	51	57	45	52	37	28	42	36	31	41	30
Toledo	31	38	34	43	28	29	31	26	24	27	40	40	37	39
Traer	16	19	13	19	25	11	18	38	36	24	35	35	28	23
Vining	2	2	0	1	1	2	1	1	0	1	0	0	0	0
Balance of Tama County	81	83	78	75	66	85	72	48	53	59	48	68	35	27
Taylor County	66	79	75	76	78	70	75	102	108	106	87	99	95	94
Athelstan	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bedford	22	20	16	19	13	16	13	36	34	30	21	27	33	35
Blockton	1	5	5	2	3	4	5	2	4	3	5	1	2	1
Clearfield (part)	5	1	3	3	6	2	2	14	20	16	10	9	11	8
Conway	0	2	0	0	0	0	0	0	0	0	0	0	0	0
Gravity	3	2	2	1	4	2	2	2	1	1	3	3	0	1
Lenox (part)	14	14	15	13	22	12	15	29	28	30	19	29	31	26
New Market	4	7	11	6	2	10	7	6	7	10	7	7	6	8
Sharpsburg	0	0	2	1	0	0	1	2	0	1	0	3	0	1
Balance of Taylor County	17	28	21	31	28	24	30	11	14	15	22	20	12	14
Union County	156	136	163	154	119	152	149	154	152	166	169	159	163	160
Afton	15	10	8	12	11	15	17	23	15	20	15	26	17	26
Arispe	1	0	0	0	0	2	0	1	0	1	1	1	2	0
Creston	102	91	114	110	76	102	86	109	115	115	112	104	115	99
Cromwell	2	1	0	0	0	1	0	2	1	2	1	0	0	2
Kent	2	0	0	0	1	1	1	1	1	4	0	1	2	1
Lorimor	6	3	3	2	3	4	7	3	3	1	8	3	1	5
Shannon City (part)	4	0	2	3	0	1	0	3	0	4	1	0	1	0
Thayer	2	0	2	1	2	3	0	0	1	1	1	1	0	1
Balance of Union County	22	31	34	26	26	23	38	12	16	18	30	23	25	26
Van Buren County	107	79	86	76	104	108	91	109	96	99	99	102	106	97
Birmingham	5	5	4	1	5	5	2	5	4	3	2	6	6	5
Bonaparte	4	5	4	3	6	7	5	1	5	6	12	4	2	12
Cantril	3	2	1	3	4	5	4	4	3	1	2	6	15	2
Farmington	12	6	7	9	6	3	11	11	15	14	11	19	16	9
Keosauqua	10	8	8	5	10	10	13	34	23	29	22	24	32	31
Milton	8	7	8	3	9	8	6	7	6	7	4	3	8	7
Mount Sterling	1	0	3	0	4	0	0	0	1	1	0	0	0	1
Stockport	2	2	2	2	2	3	4	6	4	1	7	1	2	3
Balance of Van Buren County	62	44	49	50	58	67	46	41	35	37	39	39	25	27

Table 1. Births and Deaths in Incorporated Places and the Balance of the County in Iowa's Counties, 1992-1998 (ct.).

County/Place/Balance	Births							Deaths						
	1998	1997	1996	1995	1994	1993	1992	1998	1997	1996	1995	1994	1993	1992
Wapello County	391	416	459	403	428	465	422	441	444	447	452	428	463	418
Agency	7	9	6	6	6	4	7	10	5	10	10	8	4	6
Blakesburg	5	1	3	4	4	1	4	7	5	5	11	1	4	8
Chillicothe	1	0	1	0	1	0	1	1	1	0	0	2	1	1
Eddyville (part)	16	11	12	14	8	11	16	2	4	6	9	8	11	7
Eldon	17	17	11	13	18	17	14	18	12	15	23	10	18	14
Kirkville	3	3	3	1	2	2	2	3	1	2	2	0	2	0
Ottumwa	278	299	337	292	312	333	304	349	375	352	349	335	359	330
Balance of Wapello County	64	76	86	73	77	97	74	51	41	57	48	64	64	52
Warren County	504	513	481	481	449	499	516	323	296	339	264	316	285	233
Ackworth	2	2	3	1	2	2	0	1	4	0	1	2	1	1
Bevington (part)	0	0	0	0	1	0	0	1	0	0	1	0	0	0
Carlisle (part)	47	64	48	54	48	61	47	41	39	35	38	42	29	26
Cumming	4	2	3	3	2	1	3	1	3	3	2	1	0	0
Hartford	9	9	5	9	10	14	6	2	5	2	4	5	4	2
Indianola	174	163	160	146	144	151	158	131	141	154	126	130	132	98
Lacona	7	6	3	7	7	7	4	5	3	5	3	2	5	1
Martensdale	13	6	7	6	6	3	8	4	2	2	1	4	3	3
Milo	10	16	18	17	15	15	15	8	9	7	1	3	7	4
New Virginia	8	8	4	12	6	10	7	10	2	8	4	11	8	6
Norwalk	104	123	94	103	91	85	106	60	47	65	43	61	39	43
St. Marys	0	1	0	1	4	2	1	4	0	1	1	0	1	0
Sandyville	0	0	0	0	0	0	0	0	0	1	0	0	0	0
Spring Hill	1	0	0	1	1	0	0	0	1	0	0	0	0	1
Balance of Warren County	125	113	136	121	112	148	161	55	40	56	39	55	56	48
Washington County	284	254	327	308	279	273	269	220	231	249	213	245	236	206
Ainsworth	13	4	14	7	9	13	10	2	4	4	2	7	4	4
Brighton	8	10	12	11	17	11	11	5	17	13	7	10	13	3
Coppock (part)	0	0	0	0	0	0	0	0	0	1	0	0	0	0
Crawfordsville	6	4	9	6	11	1	7	3	0	4	3	2	2	1
Kalona	28	32	31	27	32	31	32	28	24	37	32	42	30	31
Riverside	11	14	18	13	20	13	11	7	6	12	3	4	7	9
Washington	88	83	108	83	85	88	81	124	117	120	110	110	119	86
Wellman	14	14	14	13	7	17	9	27	31	27	19	29	28	31
West Chester	2	1	0	3	1	2	2	2	1	0	1	2	4	1
Balance of Washington County	114	92	121	145	97	97	106	22	31	31	36	39	29	40
Wayne County	56	57	64	80	78	71	74	121	127	109	107	119	101	112
Allerton	4	6	5	11	6	10	7	3	13	10	7	8	6	10
Clio	0	0	0	0	0	0	1	1	1	2	1	1	2	0
Corydon	5	16	28	18	21	13	13	51	51	43	36	45	42	38
Humeston	3	3	4	2	6	8	6	13	7	8	14	14	4	7
Lineville	4	4	3	3	2	1	2	5	6	5	5	2	5	4
Millerton	0	0	1	2	0	1	0	1	0	2	1	1	3	0
Promise City	1	1	1	1	3	1	2	1	2	4	0	1	0	2
Seymour	10	4	5	11	7	9	12	17	23	16	18	19	21	20
Balance of Wayne County	29	23	17	32	33	28	31	29	24	19	25	28	18	31
Webster County	513	520	496	498	525	534	566	454	492	492	490	489	483	482
Badger	8	16	5	9	10	5	10	7	7	2	2	6	6	1
Barnum	3	2	1	5	1	4	3	1	0	4	1	1	2	2
Callender	5	4	8	3	2	4	7	7	3	1	5	0	4	1
Clare	2	5	3	2	2	2	2	0	2	0	2	1	2	1
Dayton	7	14	9	12	18	11	13	8	18	17	15	18	8	21
Duncombe	12	4	5	5	9	5	5	4	2	4	3	3	5	3
Farnhamville (part)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fort Dodge	379	370	355	350	353	392	397	334	377	375	374	369	380	365
Gowrie	5	5	12	6	12	11	10	21	14	20	21	28	22	25
Harcourt	5	3	0	3	2	4	3	2	4	3	4	1	2	1
Lehigh	5	3	6	4	4	3	4	6	6	4	5	7	3	1
Moorland	2	3	2	3	1	2	3	1	5	3	1	0	3	1
Otho	6	13	6	12	9	5	15	6	5	3	3	5	5	6
Stratford (part)	0	0	0	1	0	1	0	0	0	0	3	0	0	1
Vincent	2	3	4	2	1	2	1	1	1	1	6	3	1	0
Balance of Webster County	72	75	80	81	101	83	93	56	48	55	45	47	40	53

Table 1. Births and Deaths in Incorporated Places and the Balance of the County in Iowa's Counties, 1992-1998 (ct.).

County/Place/Balance	Births							Deaths						
	1998	1997	1996	1995	1994	1993	1992	1998	1997	1996	1995	1994	1993	1992
Winnebago County	127	135	144	134	135	121	141	147	135	151	128	137	150	158
Buffalo Center	9	9	11	10	6	5	7	25	27	29	26	25	27	23
Forest City (part)	49	54	53	55	52	37	63	40	44	50	40	40	45	38
Lake Mills	22	17	28	18	20	33	25	38	22	39	29	36	36	46
Leland	0	5	5	4	5	5	3	2	1	1	2	3	3	7
Rake	4	1	4	0	2	0	2	8	4	5	2	1	4	6
Scarville	1	1	1	3	1	0	1	1	2	1	2	1	0	0
Thompson	4	8	12	8	5	6	5	6	6	4	5	5	2	7
Balance of Winnebago County	38	40	30	36	44	35	35	27	29	22	22	26	33	31
Winneshiek County	208	200	212	240	242	229	255	181	178	182	188	178	175	159
Calmar	17	13	9	10	13	10	12	11	19	16	11	6	18	13
Castalia	3	0	3	1	2	1	5	1	2	3	1	2	3	4
Decorah	68	73	74	76	63	84	74	94	77	83	95	96	73	70
Fort Atkinson	3	2	4	3	9	8	10	3	6	5	4	3	3	8
Jackson Junction	0	0	0	0	0	0	0	0	0	0	1	0	0	0
Ossian	19	13	12	8	12	13	11	10	11	17	17	11	14	10
Ridgeway	9	3	3	7	8	9	8	6	3	2	6	3	2	2
Spillville	6	4	4	5	6	4	6	6	4	6	9	6	6	5
Balance of Winneshiek County	83	92	103	130	129	100	129	50	56	50	44	51	56	47
Woodbury County	1664	1691	1699	1700	1651	1651	1665	984	962	935	1021	985	982	974
Anthon	11	4	6	6	10	2	5	14	7	15	12	21	10	14
Bronson	4	4	4	2	9	5	3	1	2	5	3	0	4	4
Correctionville	13	9	8	15	11	12	17	23	20	15	16	15	23	13
Cushing	2	1	5	4	1	3	1	3	8	3	3	5	4	8
Danbury	5	6	6	8	6	5	3	8	7	8	10	8	2	4
Hornick	2	5	3	2	1	0	3	5	3	3	2	1	3	3
Lawton	10	6	7	8	11	8	8	6	7	4	6	1	4	5
Moville	27	25	21	15	16	13	20	16	7	16	15	18	16	18
Oto	1	0	3	8	2	3	1	3	3	4	3	1	2	2
Pierson	6	9	2	1	3	5	1	10	5	4	3	1	6	3
Salix	7	2	5	5	9	5	7	6	2	1	7	3	3	5
Sergeant Bluff	54	32	32	39	28	29	41	16	17	23	27	35	25	23
Sioux City	1422	1485	1480	1475	1426	1459	1436	821	809	773	847	813	820	812
Sloan	11	13	16	15	10	9	6	6	4	10	11	7	8	5
Smithland	1	2	4	5	5	5	10	2	4	3	4	3	1	5
Balance of Woodbury County	88	88	97	92	103	88	103	44	57	48	52	53	51	50
Worth County	90	75	85	89	91	94	91	108	98	97	120	102	96	94
Fertile	3	1	4	5	4	7	5	6	4	1	6	5	3	0
Grafton	5	3	1	6	2	2	5	3	2	3	3	1	3	2
Hanlontown	9	3	6	3	8	5	4	4	1	2	3	3	2	5
Joice	4	3	6	4	1	4	1	3	1	3	6	2	0	3
Kensett	0	3	4	3	4	0	6	8	6	5	6	2	3	4
Manly	22	15	21	16	19	16	17	17	28	23	26	38	29	20
Northwood	25	17	21	21	17	22	17	42	40	37	41	36	34	41
Balance of Worth County	22	30	22	31	36	38	36	25	16	23	29	15	22	19
Wright County	149	152	172	139	157	156	171	179	218	191	177	198	210	173
Belmond	24	23	27	31	31	32	31	42	44	38	46	41	43	29
Clarion	36	38	38	40	28	23	35	48	52	51	46	69	49	39
Dows (part)	5	7	2	3	5	7	6	12	22	13	10	12	12	21
Eagle Grove	40	44	50	35	46	45	43	48	60	52	45	45	66	52
Galt	0	0	1	0	0	0	0	0	1	0	1	0	2	0
Goldfield	4	6	8	3	7	6	5	7	7	9	3	6	13	3
Rowan	4	4	2	3	2	1	2	1	2	6	2	4	4	5
Woolstock	2	2	5	0	2	0	1	2	4	0	4	2	1	0
Balance of Wright County	34	28	39	24	36	42	48	19	26	22	20	19	20	24



Births, Out-of-Wedlock Births, and Births to Teens in Iowa's Counties: 1983 and 1988-1998

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In 1998, there were 37,262 births to Iowans (Table 1). Births to Iowa residents are attributed to the county of residence of the mother. This information is collected annually by the Iowa Department of Public Health. Births in Iowa's counties in 1998 ranged from as few as 47 in Ringgold to as many as 5,898 in Polk. Polk had the highest number of births each year in the 1988-1998 period reported in the tables in this section, while either Adams or Ringgold had the lowest.

The state had annual increases in births from 1988 to 1990; they declined from 1990 to 1995, increased in 1996, dropped again in 1997, and increased in 1998. All counties had at least one year of increase during the time period. When 1988 and 1998 were compared, however, 75 counties showed declines (Table 3); Polk's increase of 900 was the only one above 200. Pottawattamie, with 135 fewer births in 1998 than in 1988, had the largest decrease.

Out-of-Wedlock Births

Even though births declined in Iowa between 1988 and 1998, the number of births out of wedlock increased. The total of 10,149 out-of-wedlock births in 1998 was an increase of 50.8 percent from the 6,730 in 1988. The increase of 822 out-of-wedlock births from 1988 to 1989 was the largest annual gain among the years reported. Indeed, nearly all of Iowa's increase in births from 1988 to 1989 (+846) was in the out-of-wedlock category (+822). And the increase in out-of-wedlock births (+717) surpassed the increase in total births (+414) from 1989 to 1990. The decline of 493 total births from 1991 to 1992 stands in contrast to the gain of 406 out-of-wedlock births during that same period. From 1997 to 1998, out-of-wedlock births increased by 556 and total births by 621.

In each year from 1988 through 1998, Polk County had the highest number of out-of-wedlock births; Scott was second highest. The eight out-of-wedlock births in Davis were the lowest of any county in 1998. Out-of-wedlock births occurred disproportionately in large, urban counties. In 1988, the five counties (Black Hawk, Linn, Polk, Scott, Woodbury) with the highest number of out-of-wedlock births together accounted for nearly half (47.5%) of such births but only for a third (34.3%) of the total births. In 1998, the same five counties recorded 42.8 percent of the out-of-wedlock births and 38.0 percent of all births.

Other than 1993 to 1994 and 1996 to 1997, the number of out-of-wedlock births increased each year in the 1988-1998 period for Iowa. Ninety-five counties had more out-of-wedlock births in 1998 than in 1988 (Table 3). The increases ranged from 1 to 495. For 58 of the 95 counties that gained, the increase was less than 25. Black Hawk, Dubuque, Johnson, Linn, Polk, Scott, and Woodbury increased by more than 100. Wayne and Butler had the same number of out-of-wedlock births in 1988 and 1998, while Davis (-1) and Jones (-11) had fewer out-of-wedlock births in 1998 than in 1988.

Because the number of births in Iowa generally was going down at the same time as the number of out-of-wedlock births was going up, the percentage of all births that were out of wedlock rose from 17.7 percent in 1988 to 27.2 percent in 1998 (Table 3, Figure 1). In 1998, the percentage of out-of-wedlock births in the counties ranged from 7.8 percent in Davis to 41.4 percent in Lee. In 16 counties, at least one of every three (33%) of the 1998 births occurred out of wedlock (Figure 2).

Table 1. Births and Out-of-Wedlock Births in Iowa's Counties, 1983, 1988-1998.

County	1998		1997		1996		1995		1994		1993	
	Births	Out-of-Wedlock Births	Births	Out-of-Wedlock Births	Births	Out-of-Wedlock Births	Births	Out-of-Wedlock Births	Births	Out-of-Wedlock Births	Births	Out-of-Wedlock Births
Adair	76	17	68	18	61	12	80	13	93	9	74	11
Adams	50	16	33	8	48	11	36	6	64	13	51	12
Allamakee	172	45	165	34	173	48	157	42	158	32	176	33
Appanoose	153	52	141	46	168	43	147	44	152	52	164	48
Audubon	72	14	82	12	63	14	75	14	88	16	72	6
Benton	325	56	281	38	264	50	298	61	292	64	308	50
Black Hawk	1638	591	1586	573	1601	607	1509	578	1605	580	1774	637
Boone	295	72	289	66	299	74	309	71	313	61	274	50
Bremer	210	47	219	33	234	41	249	38	243	37	272	35
Buchanan	309	66	284	67	286	60	283	61	314	69	277	59
Buena Vista	236	70	259	62	228	68	219	68	243	66	238	59
Butler	162	25	160	28	148	30	166	34	163	26	169	32
Calhoun	114	36	97	18	115	27	114	23	106	21	90	22
Carroll	246	49	238	49	260	54	283	52	269	51	258	46
Cass	144	35	160	38	152	35	152	33	150	36	178	35
Cedar	185	27	198	33	195	39	204	41	193	38	203	35
Cerro Gordo	525	160	525	165	600	176	591	167	587	159	592	153
Cherokee	131	43	142	35	115	28	134	38	157	31	141	26
Chickasaw	126	35	157	29	123	23	152	32	169	29	179	29
Clarke	99	24	83	24	87	26	102	27	82	27	81	25
Clay	179	43	197	49	188	59	206	44	219	55	190	45
Clayton	207	44	195	49	176	29	206	56	207	39	242	46
Clinton	677	237	629	208	602	204	657	217	645	207	680	207
Crawford	193	44	211	60	232	63	178	50	176	39	208	55
Dallas	527	110	482	111	501	100	477	100	440	71	425	85
Davis	102	8	119	21	128	24	94	12	127	11	118	19
Decatur	92	32	98	36	97	21	97	31	113	20	88	24
Delaware	247	52	208	49	233	42	213	45	268	41	262	36
Des Moines	514	188	549	194	565	219	523	179	524	150	558	166
Dickinson	176	43	169	44	148	36	137	36	148	27	127	28
Dubuque	1152	266	1143	286	1197	240	1188	234	1176	266	1252	263
Emmet	126	44	118	34	134	44	108	35	109	22	141	33
Fayette	235	60	260	69	249	76	271	61	302	65	255	53
Floyd	196	34	209	59	194	58	203	53	186	39	200	51
Franklin	112	32	130	30	126	31	116	23	133	33	120	22
Fremont	89	23	94	23	60	14	85	30	79	24	90	27
Greene	110	29	110	27	120	26	112	22	108	29	129	29
Grundy	136	15	128	16	124	16	98	19	111	17	141	14
Guthrie	122	24	127	33	130	27	121	28	126	21	105	25
Hamilton	218	60	210	57	182	42	193	46	203	38	193	39
Hancock	135	35	127	27	121	21	122	28	125	20	125	22
Hardin	206	55	189	45	216	53	244	54	218	43	204	43
Harrison	166	39	179	36	173	40	174	34	175	36	179	42
Henry	250	76	241	67	203	51	276	76	239	56	252	62
Howard	112	27	124	18	92	12	118	22	96	20	112	23
Humboldt	107	18	128	25	111	20	107	17	118	16	110	22
Ida	90	13	99	14	99	17	73	11	86	15	93	9
Iowa	174	27	156	23	227	38	192	32	212	30	213	37
Jackson	236	64	242	61	236	58	261	66	241	71	258	54
Jasper	420	96	436	95	426	87	416	83	439	89	423	82

Table 1. Births and Out-of-Wedlock Births in Iowa's Counties, 1983, 1988-1998 (continued).

County	1998		1997		1996		1995		1994		1993	
	Births	Out-of-Wedlock Births	Births	Out-of-Wedlock Births	Births	Out-of-Wedlock Births	Births	Out-of-Wedlock Births	Births	Out-of-Wedlock Births	Births	Out-of-Wedlock Births
Jefferson	172	38	161	34	171	36	153	30	172	33	177	41
Johnson	1275	218	1274	215	1272	202	1258	166	1288	162	1337	168
Jones	183	32	213	56	224	54	196	51	253	61	235	52
Keokuk	142	21	127	26	134	37	145	31	129	23	143	29
Kossuth	173	28	174	39	163	29	174	29	196	25	219	33
Lee	449	186	446	176	477	174	479	154	435	139	526	177
Linn	2635	655	2584	635	2540	617	2597	569	2550	652	2551	624
Louisa	173	54	190	49	161	51	174	54	161	46	184	61
Lucas	115	35	95	22	123	36	100	31	129	33	117	24
Lyon	149	21	137	19	150	17	136	11	165	16	162	17
Madison	164	36	169	30	152	29	159	26	160	24	162	33
Mahaska	285	66	258	56	260	64	291	61	272	66	277	55
Marion	403	79	333	50	378	85	363	76	419	71	391	73
Marshall	511	153	472	140	553	142	516	141	523	150	523	163
Mills	194	47	159	33	177	47	158	42	183	54	159	49
Mitchell	123	22	133	20	130	20	129	20	142	19	154	27
Monona	99	28	109	22	98	35	126	40	124	30	106	20
Monroe	77	14	95	24	97	22	89	25	87	21	119	21
Montgomery	152	52	112	41	160	33	161	34	160	50	141	35
Muscatine	614	213	570	173	591	188	629	191	626	196	642	175
O'Brien	160	28	192	31	190	40	200	32	174	27	191	35
Osceola	76	17	80	12	79	12	90	19	70	11	81	12
Page	190	65	171	41	191	49	174	46	181	59	164	42
Palo Alto	107	26	122	31	98	19	95	20	107	12	109	26
Plymouth	306	71	328	66	312	54	316	54	311	50	307	50
Pocahontas	71	13	77	18	68	21	66	14	84	15	88	23
Polk	5898	1640	5685	1515	5782	1567	5455	1436	5458	1446	5460	1456
Pottawattamie	1160	423	1185	430	1102	395	1142	377	1156	399	1193	376
Poweshiek	195	59	192	38	194	54	215	52	211	55	205	40
Ringgold	47	11	65	11	43	8	55	10	30	7	38	8
Sac	112	26	130	36	159	33	136	20	126	30	139	30
Scott	2339	828	2175	769	2303	830	2251	779	2243	809	2408	824
Shelby	142	23	140	30	115	20	156	27	146	27	163	29
Sioux	400	42	413	41	376	40	410	28	380	37	437	44
Story	860	131	846	94	904	121	856	108	844	92	785	101
Tama	222	82	248	75	230	65	236	65	236	61	225	46
Taylor	66	11	79	19	75	22	76	12	78	12	70	11
Union	156	51	136	31	163	41	154	46	119	33	152	35
Van Buren	107	23	79	19	86	11	76	8	104	24	108	24
Wapello	391	141	416	126	459	143	403	124	428	130	465	132
Warren	504	119	513	97	481	92	481	81	449	84	499	99
Washington	284	45	254	39	327	52	308	51	279	55	273	43
Wayne	56	16	57	6	64	12	80	17	78	13	71	9
Webster	513	196	520	188	496	171	498	168	525	169	534	168
Winnebago	127	28	135	33	144	37	134	32	135	25	121	29
Winneshiek	208	42	200	31	212	37	240	31	242	27	229	32
Woodbury	1664	630	1691	613	1699	586	1700	585	1651	540	1651	576
Worth	90	19	75	21	85	17	89	19	91	15	94	18
Wright	149	27	152	30	172	50	139	28	157	36	156	35
State of Iowa	37262	10149	36641	9593	37130	9751	36790	9258	37057	9198	37805	9296

Table 1. Births and Out-of-Wedlock Births in Iowa's Counties, 1983, 1988-1998 (continued).

County	1992		1991		1990		1989		1988		1983	
	Births	Out-of-Wedlock Births	Births	Out-of-Wedlock Births	Births	Out-of-Wedlock Births	Births	Out-of-Wedlock Births	Births	Out-of-Wedlock Births	Births	Out-of-Wedlock Births
Adair	105	17	87	12	102	16	109	11	86	9	115	3
Adams	41	3	64	13	60	11	70	13	74	3	64	6
Allamakee	199	28	174	16	177	31	214	35	201	25	220	21
Appanoose	174	43	170	44	166	40	166	51	167	36	194	33
Audubon	70	9	76	11	91	5	83	7	82	5	120	6
Benton	304	60	336	68	318	46	292	49	286	34	291	29
Black Hawk	1650	577	1732	561	1699	541	1687	491	1628	482	2096	362
Boone	288	53	312	51	329	57	309	47	347	58	347	25
Bremer	259	31	237	34	242	27	256	24	233	18	320	9
Buchanan	327	59	302	45	302	47	336	52	310	36	393	26
Buena Vista	274	55	265	54	287	42	253	25	302	43	302	20
Butler	159	22	162	20	184	25	180	26	189	25	259	22
Calhoun	120	19	111	18	130	20	124	22	111	13	171	18
Carroll	271	59	278	47	320	36	292	32	312	18	416	32
Cass	169	23	205	29	192	26	192	33	190	22	228	12
Cedar	197	37	217	28	221	37	224	38	197	23	259	21
Cerro Gordo	600	155	621	162	686	157	657	144	623	114	709	79
Cherokee	158	30	153	33	200	38	177	19	169	24	229	14
Chickasaw	166	24	166	24	199	18	182	26	170	21	224	15
Clarke	105	28	105	25	106	22	121	22	112	19	112	11
Clay	235	40	258	42	239	32	260	39	222	28	305	25
Clayton	228	44	254	33	242	43	262	35	234	33	306	20
Clinton	680	201	685	181	685	183	674	140	676	151	775	88
Crawford	196	49	205	36	228	49	204	34	256	37	323	35
Dallas	422	74	426	73	409	77	445	74	384	55	461	53
Davis	107	16	127	14	128	14	116	18	115	9	148	9
Decatur	88	22	94	21	91	12	99	16	98	9	107	8
Delaware	261	33	271	40	285	27	264	28	290	31	341	20
Des Moines	567	171	580	175	568	161	582	172	560	115	657	89
Dickinson	152	35	163	20	160	26	158	19	147	17	178	25
Dubuque	1168	250	1231	238	1260	211	1184	215	1192	156	1375	155
Emmet	135	36	155	23	134	31	121	20	139	19	196	26
Fayette	278	52	295	53	289	45	279	43	297	25	362	27
Floyd	204	36	221	45	219	48	220	47	197	33	285	27
Franklin	125	23	130	26	124	22	132	14	136	18	165	9
Fremont	103	30	107	26	100	17	98	19	103	20	124	12
Greene	123	25	124	26	108	14	104	21	117	20	169	16
Grundy	113	14	136	15	146	11	138	13	142	8	187	10
Guthrie	154	32	138	30	122	25	111	25	117	11	144	12
Hamilton	206	45	220	42	209	26	213	33	199	21	235	19
Hancock	142	20	157	26	164	23	167	19	159	21	191	16
Hardin	192	49	209	26	213	29	214	33	224	38	311	26
Harrison	200	38	201	34	187	27	191	40	192	25	200	22
Henry	256	61	237	47	265	50	224	46	248	30	260	22
Howard	126	19	114	14	135	14	126	15	111	14	163	14
Humboldt	100	11	104	20	112	16	136	10	143	14	178	9
Ida	94	18	100	11	107	17	150	12	122	5	146	6
Iowa	196	29	208	34	213	28	236	21	178	18	217	11
Jackson	258	58	286	52	252	51	255	43	275	39	349	35
Jasper	455	88	471	89	432	74	461	61	446	52	440	49

Table 1. Births and Out-of-Wedlock Births in Iowa's Counties, 1983, 1988-1998 (continued).

County	1992		1991		1990		1989		1988		1983	
	Births	Out-of-Wedlock Births	Births	Out-of-Wedlock Births	Births	Out-of-Wedlock Births	Births	Out-of-Wedlock Births	Births	Out-of-Wedlock Births	Births	Out-of-Wedlock Births
Jefferson	185	36	186	30	192	37	202	31	208	24	233	15
Johnson	1359	149	1358	156	1406	170	1297	138	1330	117	1254	94
Jones	243	51	255	27	251	49	236	35	240	43	275	28
Keokuk	147	24	176	26	150	19	152	17	160	15	185	10
Kossuth	199	29	226	33	251	35	240	25	245	19	350	20
Lee	539	167	494	141	496	121	492	149	509	131	596	108
Linn	2644	604	2632	561	2641	562	2507	522	2465	482	2479	350
Louisa	143	42	148	36	163	36	149	28	141	24	172	14
Lucas	100	17	111	23	116	19	93	14	111	18	115	15
Lyon	180	13	156	9	178	14	167	9	183	6	207	2
Madison	155	25	158	25	158	14	167	28	161	19	150	15
Mahaska	264	53	300	68	285	52	316	60	295	43	339	29
Marion	412	57	364	51	374	44	398	51	363	45	434	39
Marshall	471	109	458	115	502	96	488	92	488	94	622	69
Mills	151	36	170	35	136	22	168	28	154	41	173	16
Mitchell	126	16	148	18	131	20	127	15	137	17	173	13
Monona	145	37	133	29	114	21	113	26	105	18	176	15
Monroe	98	20	111	23	116	25	96	17	88	7	120	9
Montgomery	165	33	138	28	158	31	150	29	148	29	189	16
Muscatine	655	179	676	152	665	159	682	137	615	118	709	82
O'Brien	199	28	176	16	184	19	195	16	173	18	263	16
Osceola	86	8	107	13	94	10	100	6	104	9	131	10
Page	166	48	179	39	200	45	220	41	209	28	226	27
Palo Alto	112	18	111	19	95	13	140	19	133	15	215	15
Plymouth	317	47	296	60	346	51	310	40	311	29	415	18
Pocahontas	99	13	104	10	124	17	110	10	135	12	160	13
Polk	5558	1524	5494	1481	5367	1398	5545	1302	4998	1145	4974	869
Pottawattamie	1261	396	1299	392	1361	388	1281	327	1295	326	1426	259
Poweshiek	215	40	237	45	226	45	226	28	203	30	244	29
Ringgold	57	11	53	9	44	5	53	4	56	8	71	2
Sac	140	25	125	20	145	18	153	17	142	16	175	13
Scott	2469	838	2409	818	2430	783	2376	721	2368	656	2641	491
Shelby	154	14	156	17	182	21	163	15	170	13	211	13
Sioux	433	34	439	36	434	33	432	21	471	20	574	17
Story	877	103	900	101	927	88	874	62	949	80	1075	50
Tama	225	60	213	56	215	31	218	54	207	34	269	22
Taylor	75	11	63	10	92	10	79	12	73	5	102	6
Union	149	40	143	32	148	32	166	28	143	20	190	21
Van Buren	91	19	98	20	89	14	93	8	123	11	111	10
Wapello	422	128	481	116	490	137	484	96	420	78	480	79
Warren	516	107	550	75	479	72	499	68	483	69	485	42
Washington	269	41	277	27	307	45	301	45	280	29	282	23
Wayne	74	15	74	11	83	14	77	9	89	16	84	6
Webster	566	154	563	165	597	159	605	142	589	143	671	114
Winnebago	139	37	138	22	148	21	165	23	164	16	172	14
Winneshiek	255	33	252	33	259	34	269	20	272	19	321	28
Woodbury	1665	558	1623	552	1631	528	1496	425	1582	435	1645	318
Worth	91	15	99	16	99	16	107	22	100	14	110	6
Wright	171	37	188	40	214	31	191	28	174	26	206	19
State of Iowa	38432	9050	38925	8644	39330	8269	38916	7552	38070	6730	43247	5168

Table 2. Teen Births and Teen Out-of-Wedlock Births in Iowa's Counties, 1983, 1988-1998.

County	1998		1997		1996		1995		1994		1993	
	Teen Births	Teen Out-of-Wedlock Births	Teen Births	Teen Out-of-Wedlock Births	Teen Births	Teen Out-of-Wedlock Births	Teen Births	Teen Out-of-Wedlock Births	Teen Births	Teen Out-of-Wedlock Births	Teen Births	Teen Out-of-Wedlock Births
Adair	10	8	3	3	11	5	8	5	6	5	7	3
Adams	6	5	7	5	4	4	5	4	7	3	6	2
Allamakee	19	13	13	10	21	16	20	18	17	12	16	14
Appanoose	23	18	19	17	24	14	25	17	28	20	28	20
Audubon	5	4	9	5	6	4	6	3	8	6	2	1
Benton	22	17	16	9	26	17	29	26	29	23	26	20
Black Hawk	232	207	193	169	251	224	264	235	264	235	259	226
Boone	30	23	25	24	27	24	37	29	32	24	23	16
Bremer	30	25	14	11	13	13	21	16	18	12	14	8
Buchanan	23	19	26	21	19	16	33	25	34	25	35	24
Buena Vista	37	24	34	26	27	17	30	22	21	18	29	23
Butler	13	8	13	8	16	11	16	14	10	9	16	13
Calhoun	15	12	9	8	10	9	6	4	7	6	6	6
Carroll	14	14	18	18	25	20	31	26	23	21	22	20
Cass	17	17	17	11	18	13	19	15	15	11	18	12
Cedar	11	9	10	9	10	6	15	9	14	11	20	16
Cerro Gordo	54	46	44	41	61	54	72	63	76	62	65	55
Cherokee	15	12	18	12	17	11	14	12	6	6	11	9
Chickasaw	14	10	9	6	17	14	16	13	9	7	7	5
Clarke	10	8	16	13	14	10	16	8	6	4	12	7
Clay	21	18	18	17	22	19	23	19	22	19	16	14
Clayton	16	12	15	14	13	12	24	21	17	15	15	12
Clinton	95	81	86	74	84	71	85	72	81	68	83	73
Crawford	10	8	17	14	28	21	24	20	16	14	25	19
Dallas	49	31	46	36	43	33	33	28	38	30	45	32
Davis	3	0	13	7	14	12	12	5	9	2	5	3
Decatur	17	12	25	16	14	10	14	13	24	10	13	6
Delaware	21	19	24	21	11	10	20	19	21	18	22	17
Des Moines	77	65	78	67	79	67	73	60	66	51	86	65
Dickinson	16	13	12	11	13	10	12	9	9	6	5	3
Dubuque	112	101	92	81	93	80	101	87	94	85	111	93
Emmet	19	15	22	15	24	22	18	16	12	6	26	17
Fayette	23	22	29	24	37	28	24	18	42	26	21	11
Floyd	12	8	27	22	18	17	18	17	24	19	25	18
Franklin	24	19	17	14	11	8	12	9	18	15	10	5
Fremont	10	5	10	8	10	6	18	14	7	4	13	10
Greene	13	11	14	7	8	7	10	9	19	17	16	10
Grundy	3	3	8	7	8	7	9	6	6	6	9	5
Guthrie	7	4	14	10	17	14	13	10	11	6	11	9
Hamilton	28	23	27	23	21	17	21	18	24	16	22	17
Hancock	17	11	11	7	16	13	15	11	9	8	12	10
Hardin	40	29	23	17	15	13	22	18	31	27	26	23
Harrison	17	12	18	12	22	17	18	13	13	12	19	15
Henry	33	25	31	26	19	15	27	22	32	23	30	23
Howard	10	8	11	9	5	5	15	13	11	8	10	9
Humboldt	8	8	12	10	10	6	8	5	8	2	13	8
Ida	10	9	8	5	10	8	4	3	12	8	10	6
Iowa	10	4	7	6	13	12	13	11	8	6	11	9
Jackson	22	21	27	19	35	25	30	22	27	22	31	25
Jasper	43	34	43	34	40	31	40	28	46	32	35	31

Table 2. Teen Births and Teen Out-of-Wedlock Births in Iowa's Counties, 1983, 1988-1998 (continued).

County	1998		1997		1996		1995		1994		1993	
	Teen Births	Out-of-Wedlock Births	Teen Births	Out-of-Wedlock Births	Teen Births	Out-of-Wedlock Births	Teen Births	Out-of-Wedlock Births	Teen Births	Out-of-Wedlock Births	Teen Births	Out-of-Wedlock Births
Jefferson	16	11	22	16	13	8	7	6	10	7	21	12
Johnson	56	45	58	49	62	46	52	38	59	47	49	37
Jones	16	14	27	24	26	24	20	16	28	25	21	18
Keokuk	7	4	15	11	19	16	16	11	11	8	15	9
Kossuth	17	14	17	12	11	7	13	10	7	5	13	9
Lee	72	66	75	66	72	62	76	67	67	52	83	62
Linn	193	168	223	192	240	202	225	190	273	227	242	202
Louisa	25	19	26	21	22	17	19	12	18	12	19	16
Lucas	17	13	6	6	17	14	15	11	10	7	14	9
Lyon	13	10	12	10	8	5	7	3	12	8	6	4
Madison	12	11	12	10	10	7	15	9	14	10	13	9
Mahaska	35	22	27	20	31	19	26	19	34	20	27	17
Marion	39	30	31	15	38	27	38	27	44	33	51	37
Marshall	58	46	70	46	81	58	65	48	73	57	61	44
Mills	16	15	7	6	21	19	19	14	30	22	19	15
Mitchell	10	9	11	6	6	5	11	7	8	7	10	8
Monona	14	11	12	10	22	16	18	14	14	8	8	4
Monroe	12	8	11	10	12	9	15	14	14	10	15	7
Montgomery	17	13	13	11	15	10	20	13	24	15	16	10
Muscatine	95	78	94	70	96	72	88	64	95	74	83	62
O'Brien	16	13	17	12	24	17	22	16	20	10	28	23
Osceola	9	7	7	5	7	6	7	6	8	5	3	3
Page	31	26	15	7	23	17	21	12	20	17	20	15
Palo Alto	10	9	11	10	9	9	14	12	9	6	12	8
Plymouth	26	20	26	21	29	24	19	16	23	22	29	22
Pocahontas	6	6	10	8	12	9	5	4	10	7	8	8
Polk	594	513	559	455	600	507	554	470	530	453	596	510
Pottawattamie	162	141	174	152	148	119	169	136	178	142	167	129
Poweshiek	27	22	24	20	18	14	22	17	23	20	14	12
Ringgold	7	4	8	4	3	1	8	5	2	1	7	4
Sac	9	7	17	16	15	14	11	11	14	12	14	13
Scott	298	262	284	255	340	303	345	307	334	289	344	305
Shelby	8	7	11	9	11	8	13	11	18	16	13	9
Sioux	19	13	33	18	26	14	18	9	31	13	39	25
Story	43	32	48	33	53	38	40	28	36	25	44	33
Tama	38	32	41	29	35	29	35	26	27	17	22	17
Taylor	5	3	11	5	7	5	7	3	10	6	7	5
Union	18	14	10	7	27	17	24	16	16	12	17	9
Van Buren	17	11	15	10	6	4	9	2	6	5	9	7
Wapello	51	35	62	41	80	55	60	43	65	47	73	50
Warren	43	29	44	32	36	33	35	22	37	27	45	33
Washington	18	12	18	16	21	12	22	17	27	23	21	15
Wayne	5	5	9	4	8	5	10	8	8	4	8	6
Webster	71	60	75	66	67	60	71	62	64	52	65	51
Winnebago	9	9	18	14	13	9	15	13	12	8	12	9
Winneshiek	15	12	12	11	16	11	19	17	15	12	9	5
Woodbury	234	193	274	212	242	190	263	208	242	192	232	195
Worth	10	9	10	8	7	5	10	8	7	5	10	8
Wright	15	11	12	11	21	15	12	8	17	14	14	11
State of Iowa	3940	3254	3922	3161	4096	3311	4064	3286	4041	3217	4066	3229

Table 2. Teen Births and Teen Out-of-Wedlock Births in Iowa's Counties, 1983, 1988-1998 (continued).

County	1992		1991		1990		1989		1988		1983	
	Teen Births	Out-of-Wedlock Births	Teen Births	Out-of-Wedlock Births	Teen Births	Out-of-Wedlock Births	Teen Births	Out-of-Wedlock Births	Teen Births	Out-of-Wedlock Births	Teen Births	Out-of-Wedlock Births
Adair	8	5	4	2	12	8	6	6	6	5	6	0
Adams	2	1	3	3	3	3	8	6	2	0	7	3
Allamakee	13	7	9	6	17	10	27	18	13	10	16	9
Appanoose	30	15	28	17	29	13	25	17	20	14	33	12
Audubon	2	1	5	4	6	2	7	2	9	0	9	1
Benton	23	19	26	18	23	19	22	15	14	10	34	12
Black Hawk	259	228	257	219	246	198	226	181	183	149	228	149
Boone	30	20	32	22	26	21	32	23	35	21	23	10
Bremer	8	5	19	15	15	9	14	10	14	6	19	4
Buchanan	18	13	21	15	27	17	26	18	24	18	35	13
Buena Vista	18	14	27	18	30	18	15	6	29	23	20	7
Butler	15	11	13	7	15	9	13	10	13	5	34	11
Calhoun	9	7	5	4	4	3	8	7	6	3	8	5
Carroll	20	18	26	20	15	10	19	17	10	7	32	15
Cass	20	11	22	11	23	9	16	12	13	8	18	4
Cedar	17	13	11	9	25	15	19	12	10	7	20	8
Cerro Gordo	71	59	71	53	76	55	77	54	62	49	62	28
Cherokee	16	12	15	11	27	18	10	5	12	8	17	6
Chickasaw	6	6	12	6	15	8	13	7	10	7	15	7
Clarke	17	11	10	8	12	6	13	5	21	8	11	4
Clay	11	8	14	10	16	9	16	11	20	12	24	13
Clayton	16	13	18	12	23	15	23	15	14	10	24	7
Clinton	80	70	79	59	82	59	76	53	71	47	109	56
Crawford	18	18	21	12	27	21	15	10	18	12	37	19
Dallas	30	24	36	26	37	25	49	30	31	19	46	22
Davis	9	6	6	5	10	4	9	4	9	2	26	3
Decatur	20	10	12	7	13	4	7	4	13	5	9	2
Delaware	17	16	20	15	14	10	20	12	18	10	12	5
Des Moines	79	60	87	66	76	53	75	54	65	39	78	38
Dickinson	16	13	12	6	17	13	12	5	9	5	19	14
Dubuque	92	82	100	80	93	67	106	86	88	58	122	79
Emmet	15	13	19	7	16	11	14	11	11	8	20	9
Fayette	32	17	28	19	23	17	31	18	16	8	27	12
Floyd	19	12	25	18	28	19	25	17	22	13	37	15
Franklin	12	9	15	11	10	7	11	8	11	7	7	3
Fremont	15	12	16	12	11	10	18	14	16	9	14	6
Greene	8	6	17	9	9	5	15	10	12	9	20	8
Grundy	6	4	9	7	5	5	12	8	5	3	14	5
Guthrie	20	14	14	10	8	5	15	8	7	3	20	8
Hamilton	21	16	28	20	19	10	22	13	18	7	19	6
Hancock	6	5	15	10	12	7	10	9	12	8	17	8
Hardin	19	16	21	12	17	11	17	12	16	14	19	7
Harrison	14	10	21	10	22	9	18	8	13	6	26	10
Henry	28	19	25	20	30	19	28	16	31	15	17	5
Howard	7	4	8	7	6	2	8	5	9	5	19	7
Humboldt	7	4	13	7	10	5	4	1	11	8	14	3
Ida	4	4	5	4	9	5	12	6	2	1	7	2
Iowa	14	10	16	10	12	8	18	12	9	3	14	4
Jackson	18	17	19	16	30	23	24	16	23	15	40	14
Jasper	46	32	46	31	38	25	43	25	42	19	51	19

Table 2. Teen Births and Teen Out-of-Wedlock Births in Iowa's Counties, 1983, 1988-1998 (continued).

County	1992		1991		1990		1989		1988		1983	
	Teen Out-of- Teen Births	Teen Wedlock Births	Teen Out-of- Teen Births	Teen Wedlock Births	Teen Out-of- Teen Births	Teen Wedlock Births	Teen Out-of- Teen Births	Teen Wedlock Births	Teen Out-of- Teen Births	Teen Wedlock Births	Teen Out-of- Teen Births	Teen Wedlock Births
Jefferson	14	9	14	9	16	8	18	14	13	12	19	3
Johnson	39	32	51	42	60	45	59	44	42	32	44	22
Jones	15	13	12	6	20	15	18	10	21	16	30	10
Keokuk	12	5	20	11	18	7	12	4	20	6	22	6
Kossuth	16	12	12	8	25	19	19	11	18	8	22	8
Lee	74	58	62	41	57	37	77	57	60	42	93	47
Linn	241	210	269	219	246	191	256	188	232	189	233	141
Louisa	21	14	20	16	16	9	18	8	17	12	20	6
Lucas	5	2	12	7	16	6	10	3	13	8	16	4
Lyon	14	6	5	0	8	2	12	5	11	3	6	0
Madison	15	7	12	5	12	4	18	9	16	6	15	5
Mahaska	33	22	35	20	29	13	37	17	37	19	34	14
Marion	33	23	32	17	33	22	35	19	33	20	43	15
Marshall	53	40	51	42	38	30	52	35	45	34	66	27
Mills	16	12	18	12	11	4	19	10	22	17	17	5
Mitchell	12	8	13	7	15	10	11	8	6	5	20	7
Monona	23	17	24	14	12	6	12	8	8	4	14	7
Monroe	15	12	15	11	16	11	8	6	11	3	11	3
Montgomery	20	10	20	11	13	9	21	12	18	13	19	6
Muscatine	83	56	85	55	89	51	84	50	82	42	104	32
O'Brien	26	14	11	7	17	10	14	6	11	8	15	4
Osceola	8	5	7	7	9	6	8	5	7	4	10	3
Page	25	22	27	16	26	17	38	22	18	10	30	10
Palo Alto	8	6	16	13	14	8	13	7	8	5	24	8
Plymouth	22	14	29	19	27	17	31	21	15	8	19	4
Pocahontas	5	4	6	3	8	5	4	3	4	3	12	8
Polk	589	498	608	502	577	462	634	481	570	430	545	335
Pottawattamie	168	128	184	140	191	128	152	106	162	115	204	103
Poweshiek	20	18	24	17	27	19	19	10	10	5	29	14
Ringgold	7	4	4	2	1	0	3	1	3	1	7	1
Sac	10	8	10	9	10	7	13	9	6	4	11	4
Scott	352	305	363	308	343	280	327	273	288	234	299	196
Shelby	9	7	6	3	9	7	12	6	9	7	19	6
Sioux	26	16	27	18	23	11	21	10	31	13	28	7
Story	41	27	42	25	48	21	35	17	44	20	56	16
Tama	26	21	28	25	21	13	26	22	14	11	21	11
Taylor	5	3	9	4	11	5	8	2	6	2	10	2
Union	13	9	21	12	14	7	19	10	10	5	22	11
Van Buren	11	10	9	4	13	9	6	1	9	3	14	4
Wapello	57	35	59	27	75	48	66	34	46	22	65	28
Warren	55	44	50	32	49	36	41	26	50	30	39	13
Washington	18	12	20	12	24	20	32	17	20	11	21	8
Wayne	10	6	11	4	9	6	7	3	16	6	10	4
Webster	68	50	66	52	63	45	78	58	70	50	86	51
Winnebago	18	16	7	3	11	10	23	14	11	8	15	5
Winneshiek	15	13	13	8	14	11	9	8	10	5	29	9
Woodbury	246	181	234	186	234	186	203	148	199	163	212	130
Worth	9	6	8	7	10	7	9	5	10	7	5	2
Wright	13	7	19	12	16	13	21	11	10	9	24	9
State of Iowa	3935	3077	4081	3036	4013	2847	4017	2786	3540	2428	4284	2091

Table 3. Comparisons of Births, Out-of-Wedlock Births, and Births to Teens in Iowa's Counties, 1988 and 1998.

County	1998 Births Minus 1988 Births		% of Births Out of Wedlock		1998 Teen Births Minus 1988 Teen Births		% of Teen Births Out of Wedlock		Teen Births as a % of All Births		Teen Out-of-Wedlock Births as a % of All Out-of-Wedlock Births	
	Total	Out of Wedlock	1998	1988	Total	Out of Wedlock	1998	1988	1998	1988	1998	1988
Adair	-10	8	22.4	10.5	4	3	80.0	83.3	13.2	7.0	47.1	55.6
Adams	-24	13	32.0	4.1	4	5	83.3	0.0	12.0	2.7	31.3	0.0
Allamakee	-29	20	26.2	12.4	6	3	68.4	76.9	11.0	6.5	28.9	40.0
Appanoose	-14	16	34.0	21.6	3	4	78.3	70.0	15.0	12.0	34.6	38.9
Audubon	-10	9	19.4	6.1	-4	4	80.0	0.0	6.9	11.0	28.6	0.0
Benton	39	22	17.2	11.9	8	7	77.3	71.4	6.8	4.9	30.4	29.4
Black Hawk	10	109	36.1	29.6	49	58	89.2	81.4	14.2	11.2	35.0	30.9
Boone	-52	14	24.4	16.7	-5	2	76.7	60.0	10.2	10.1	31.9	36.2
Bremer	-23	29	22.4	7.7	16	19	83.3	42.9	14.3	6.0	53.2	33.3
Buchanan	-1	30	21.4	11.6	-1	1	82.6	75.0	7.4	7.7	28.8	50.0
Buena Vista	-66	27	29.7	14.2	8	1	64.9	79.3	15.7	9.6	34.3	53.5
Butler	-27	0	15.4	13.2	0	3	61.5	38.5	8.0	6.9	32.0	20.0
Calhoun	3	23	31.6	11.7	9	9	80.0	50.0	13.2	5.4	33.3	23.1
Carroll	-66	31	19.9	5.8	4	7	100.0	70.0	5.7	3.2	28.6	38.9
Cass	-46	13	24.3	11.6	4	9	100.0	61.5	11.8	6.8	48.6	36.4
Cedar	-12	4	14.6	11.7	1	2	81.8	70.0	5.9	5.1	33.3	30.4
Cerro Gordo	-98	46	30.5	18.3	-8	-3	85.2	79.0	10.3	10.0	28.7	43.0
Cherokee	-38	19	32.8	14.2	3	4	80.0	66.7	11.5	7.1	27.9	33.3
Chickasaw	-44	14	27.8	12.4	4	3	71.4	70.0	11.1	5.9	28.6	33.3
Clarke	-13	5	24.2	17.0	-11	0	80.0	38.1	10.1	18.8	33.3	42.1
Clay	-43	15	24.0	12.6	1	6	85.7	60.0	11.7	9.0	41.9	42.9
Clayton	-27	11	21.3	14.1	2	2	75.0	71.4	7.7	6.0	27.3	30.3
Clinton	1	86	35.0	22.3	24	34	85.3	66.2	14.0	10.5	34.2	31.1
Crawford	-63	7	22.8	14.5	-8	-4	80.0	66.7	5.2	7.0	18.2	32.4
Dallas	143	55	20.9	14.3	18	12	63.3	61.3	9.3	8.1	28.2	34.5
Davis	-13	-1	7.8	7.8	-6	-2	0.0	22.2	2.9	7.8	0.0	22.2
Decatur	-6	23	34.8	9.2	4	7	70.6	38.5	18.5	13.3	37.5	55.6
Delaware	-43	21	21.1	10.7	3	9	90.5	55.6	8.5	6.2	36.5	32.3
Des Moines	-46	73	36.6	20.5	12	26	84.4	60.0	15.0	11.6	34.6	33.9
Dickinson	29	26	24.4	11.6	7	8	81.3	55.6	9.1	6.1	30.2	29.4
Dubuque	-40	110	23.1	13.1	24	43	90.2	65.9	9.7	7.4	38.0	37.2
Emmet	-13	25	34.9	13.7	8	7	78.9	72.7	15.1	7.9	34.1	42.1
Fayette	-62	35	25.5	8.4	7	14	95.7	50.0	9.8	5.4	36.7	32.0
Floyd	-1	1	17.3	16.8	-10	-5	66.7	59.1	6.1	11.2	23.5	39.4
Franklin	-24	14	28.6	13.2	13	12	79.2	63.6	21.4	8.1	59.4	38.9
Fremont	-14	3	25.8	19.4	-6	-4	50.0	56.3	11.2	15.5	21.7	45.0
Greene	-7	9	26.4	17.1	1	2	84.6	75.0	11.8	10.3	37.9	45.0
Grundy	-6	7	11.0	5.6	-2	0	100.0	60.0	2.2	3.5	20.0	37.5
Guthrie	5	13	19.7	9.4	0	1	57.1	42.9	5.7	6.0	16.7	27.3
Hamilton	19	39	27.5	10.6	10	16	82.1	38.9	12.8	9.0	38.3	33.3
Hancock	-24	14	25.9	13.2	5	3	64.7	66.7	12.6	7.5	31.4	38.1
Hardin	-18	17	26.7	17.0	24	15	72.5	87.5	19.4	7.1	52.7	36.8
Harrison	-26	14	23.5	13.0	4	6	70.6	46.2	10.2	6.8	30.8	24.0
Henry	2	46	30.4	12.1	2	10	75.8	48.4	13.2	12.5	32.9	50.0
Howard	1	13	24.1	12.6	1	3	80.0	55.6	8.9	8.1	29.6	35.7
Humboldt	-36	4	16.8	9.8	-3	0	100.0	72.7	7.5	7.7	44.4	57.1
Ida	-32	8	14.4	4.1	8	8	90.0	50.0	11.1	1.6	69.2	20.0
Iowa	-4	9	15.5	10.1	1	1	40.0	33.3	5.7	5.1	14.8	16.7
Jackson	-39	25	27.1	14.2	-1	6	95.5	65.2	9.3	8.4	32.8	38.5
Jasper	-26	44	22.9	11.7	1	15	79.1	45.2	10.2	9.4	35.4	36.5

Table 3. Comparisons of Births, Out-of-Wedlock Births, and Births to Teens in Iowa's Counties, 1988 and 1998 (cont.).

County	1998 Births Minus 1988 Births		% of Births Out of Wedlock		1998 Teen Births Minus 1988 Teen Births		% of Teen Births Out of Wedlock		Teen Births as a % of All Births		Teen Out-of-Wedlock Births as a % of All Out-of-Wedlock Births	
	Total	Out of Wedlock	1998	1988	Total	Out of Wedlock	1998	1988	1998	1988	1998	1988
Jefferson	-36	14	22.1	11.5	3	-1	68.8	92.3	9.3	6.3	28.9	50.0
Johnson	-55	101	17.1	8.8	14	13	80.4	76.2	4.4	3.2	20.6	27.4
Jones	-57	-11	17.5	17.9	-5	-2	87.5	76.2	8.7	8.8	43.8	37.2
Keokuk	-18	6	14.8	9.4	-13	-2	57.1	30.0	4.9	12.5	19.0	40.0
Kossuth	-72	9	16.2	7.8	-1	6	82.4	44.4	9.8	7.3	50.0	42.1
Lee	-60	55	41.4	25.7	12	24	91.7	70.0	16.0	11.8	35.5	32.1
Linn	170	173	24.9	19.6	-39	-21	87.0	81.5	7.3	9.4	25.6	39.2
Louisa	32	30	31.2	17.0	8	7	76.0	70.6	14.5	12.1	35.2	50.0
Lucas	4	17	30.4	16.2	4	5	76.5	61.5	14.8	11.7	37.1	44.4
Lyon	-34	15	14.1	3.3	2	7	76.9	27.3	8.7	6.0	47.6	50.0
Madison	3	17	22.0	11.8	-4	5	91.7	37.5	7.3	9.9	30.6	31.6
Mahaska	-10	23	23.2	14.6	-2	3	62.9	51.4	12.3	12.5	33.3	44.2
Marion	40	34	19.6	12.4	6	10	76.9	60.6	9.7	9.1	38.0	44.4
Marshall	23	59	29.9	19.3	13	12	79.3	75.6	11.4	9.2	30.1	36.2
Mills	40	6	24.2	26.6	-6	-2	93.8	77.3	8.2	14.3	31.9	41.5
Mitchell	-14	5	17.9	12.4	4	4	90.0	83.3	8.1	4.4	40.9	29.4
Monona	-6	10	28.3	17.1	6	7	78.6	50.0	14.1	7.6	39.3	22.2
Monroe	-11	7	18.2	8.0	1	5	66.7	27.3	15.6	12.5	57.1	42.9
Montgomery	4	23	34.2	19.6	-1	0	76.5	72.2	11.2	12.2	25.0	44.8
Muscatine	-1	95	34.7	19.2	13	36	82.1	51.2	15.5	13.3	36.6	35.6
O'Brien	-13	10	17.5	10.4	5	5	81.3	72.7	10.0	6.4	46.4	44.4
Osceola	-28	8	22.4	8.7	2	3	77.8	57.1	11.8	6.7	41.2	44.4
Page	-19	37	34.2	13.4	13	16	83.9	55.6	16.3	8.6	40.0	35.7
Palo Alto	-26	11	24.3	11.3	2	4	90.0	62.5	9.3	6.0	34.6	33.3
Plymouth	-5	42	23.2	9.3	11	12	76.9	53.3	8.5	4.8	28.2	27.6
Pocahontas	-64	1	18.3	8.9	2	3	100.0	75.0	8.5	3.0	46.2	25.0
Polk	900	495	27.8	22.9	24	83	86.4	75.4	10.1	11.4	31.3	37.6
Pottawattamie	-135	97	36.5	25.2	0	26	87.0	71.0	14.0	12.5	33.3	35.3
Poweshiek	-8	29	30.3	14.8	17	17	81.5	50.0	13.8	4.9	37.3	16.7
Ringgold	-9	3	23.4	14.3	4	3	57.1	33.3	14.9	5.4	36.4	12.5
Sac	-30	10	23.2	11.3	3	3	77.8	66.7	8.0	4.2	26.9	25.0
Scott	-29	172	35.4	27.7	10	28	87.9	81.3	12.7	12.2	31.6	35.7
Shelby	-28	10	16.2	7.6	-1	0	87.5	77.8	5.6	5.3	30.4	53.8
Sioux	-71	22	10.5	4.2	-12	0	68.4	41.9	4.8	6.6	31.0	65.0
Story	-89	51	15.2	8.4	-1	12	74.4	45.5	5.0	4.6	24.4	25.0
Tama	15	48	36.9	16.4	24	21	84.2	78.6	17.1	6.8	39.0	32.4
Taylor	-7	6	16.7	6.8	-1	1	60.0	33.3	7.6	8.2	27.3	40.0
Union	13	31	32.7	14.0	8	9	77.8	50.0	11.5	7.0	27.5	25.0
Van Buren	-16	12	21.5	8.9	8	8	64.7	33.3	15.9	7.3	47.8	27.3
Wapello	-29	63	36.1	18.6	5	13	68.6	47.8	13.0	11.0	24.8	28.2
Warren	21	50	23.6	14.3	-7	-1	67.4	60.0	8.5	10.4	24.4	43.5
Washington	4	16	15.8	10.4	-2	1	66.7	55.0	6.3	7.1	26.7	37.9
Wayne	-33	0	28.6	18.0	-11	-1	100.0	37.5	8.9	18.0	31.3	37.5
Webster	-76	53	38.2	24.3	1	10	84.5	71.4	13.8	11.9	30.6	35.0
Winnebago	-37	12	22.0	9.8	-2	1	100.0	72.7	7.1	6.7	32.1	50.0
Winneshiek	-64	23	20.2	7.0	5	7	80.0	50.0	7.2	3.7	28.6	26.3
Woodbury	82	195	37.9	27.5	35	30	82.5	81.9	14.1	12.6	30.6	37.5
Worth	-10	5	21.1	14.0	0	2	90.0	70.0	11.1	10.0	47.4	50.0
Wright	-25	1	18.1	14.9	5	2	73.3	90.0	10.1	5.7	40.7	34.6
State of Iowa	-808	3419	27.2	17.7	400	826	82.6	68.6	10.6	9.3	32.1	36.1

For Iowa, the percentage of births out of wedlock increased each year from 1988 to 1996; it increased another point from 1997 to 1998. Fifty-nine counties had percentages 10 or more points higher in 1998 than in 1988.

Births to Teens

Births to Iowa teens, which include mothers 19 and younger, numbered 3,940 in 1998 (Table 2). Increases occurred from 1988 to 1989 and between five more years since then. Teen births in 1998, while 400 higher than the number recorded in 1988, were only 18 more than in 1997. For counties, births to teens in 1998 ranged from 3 in Davis and Grundy to 594 in Polk. Fifty-eight counties had fewer than 20 births to teens. In each of the 11 years from 1988 through 1998, Polk had the highest number of teen births, with Scott the second highest. From 1988 through 1998, the county with the lowest number of births to teens recorded six or fewer.

More than a quarter (28) of Iowa's 99 counties had fewer teen births in 1998 than in 1988 (Table 3); of the remaining 71 counties, four had the same numbers both years while 67 counties increased. Black Hawk was the only county with at least 40 more teen births in 1998 than in 1988. The decline of 39 in Linn was the largest drop. Seventy-three counties reported changes of less than 10 in either direction.

Out-of-Wedlock Births to Teens

Teen births out of wedlock numbered 3,254 in the state in 1998, an increase from the 3,161 in 1997. Teen out-of-wedlock births increased annually from 1988 to 1993, decreased by 12 between 1993 and 1994, before increasing again in 1995 and 1996 (Table 2). A decline to 1997 occurred from the record number of 4,096 recorded in 1996.

In 1988, six counties (Black Hawk, Linn, Polk, Pottawattamie, Scott, Woodbury) had 46.2 percent of all teen births and 52.7 percent of the out-of-wedlock teen births. This changed somewhat by 1998; in that year, these six urban counties had 43.5 percent of all births to teens and 45.6 percent of the out-of-wedlock teen births. These 1998 percentages are quite similar, indicating that teens in both the most urban and other counties are opting for out-of-wedlock births at about the same rate.

Between 1988 and 1998, all the counties experienced years when the number of teen out-of-wedlock births increased and other years when the number decreased. Differences between 1988 and 1998 ranged from a decline of 21 in Linn to a gain of 83 in Polk, the only one greater than 60 (Table 3). Twelve counties had fewer teen out-of-wedlock births in 1998 than in 1988, six had the same number in both years, and 81 counties showed an increase. For 70 of the counties, the change in either direction was less than 10 teen out-of-wedlock births.

The combination of fewer births to teens along with an increase in the number of teen out-of-wedlock births resulted in an increase from 1988 to 1998 in the proportion of teen births in Iowa that were out of wedlock (Table 3, Figure 1). In 1988, 2,428 of 3,540 teen births (68.6%) were out of wedlock. By 1998, 3,254 of 3,940 teen births—more than four of every five (82.6%)—were out of wedlock. In 1983, 48.8 percent of the births to teens took place out of wedlock.

For the counties in 1998, the percentage of teen births that were out of wedlock ranged from less than 50 percent in Davis and Iowa to 90 percent or more in 18 others (Figure 3). In 1988, at least half of the births to teens were out of wedlock in 74 counties. In 1998, 97 counties had at least half of their teen births out of wedlock. Nine counties had lower percentages of teen births out of wedlock in 1998 than in 1988.

Births to Teens Compared with Total Births

The percentage of total births that were to teens in 1988 (9.3%) increased slightly by the end of the period in 1998 (10.6%) (Table 3). In 1998, the percentages of the total births that were to teens ranged from 2.2 in Grundy to 21.4 in Franklin, the only county greater than 20.0 percent. Although there

were year-to-year variations for all the counties, teen births, as a percentage of all births, were lower in 1998 than in 1988 for 22 counties.

Teens tended to have a much higher percentage of their births out of wedlock than the population overall. In most counties for both 1988 and 1998, the percentage of teen births that were out of wedlock was significantly higher than the percentage of all births that were out of wedlock (Table 3).

Teen out-of-wedlock births increased 34.0 percent from 1988 to 1998. In comparison, the total number of out-of-wedlock births increased slightly faster (50.8%) in the same years. Consequently, teen out-of-wedlock births, which were 36.1 percent of all out-of-wedlock births in 1988, were down to 32.1 percent of all out-of-wedlock births in 1998 (Table 3).

For the counties in 1998, teen out-of-wedlock births, as a proportion of all out-of-wedlock births, ranged from less than 25 percent in 12 counties to 50 percent or more in 6 others. Fifty-nine counties had a lower proportion of all out-of-wedlock births to teens in 1998 than in 1988 while 40 counties increased.

Figure 1. Percent of births out of wedlock in Iowa, 1980-1998.

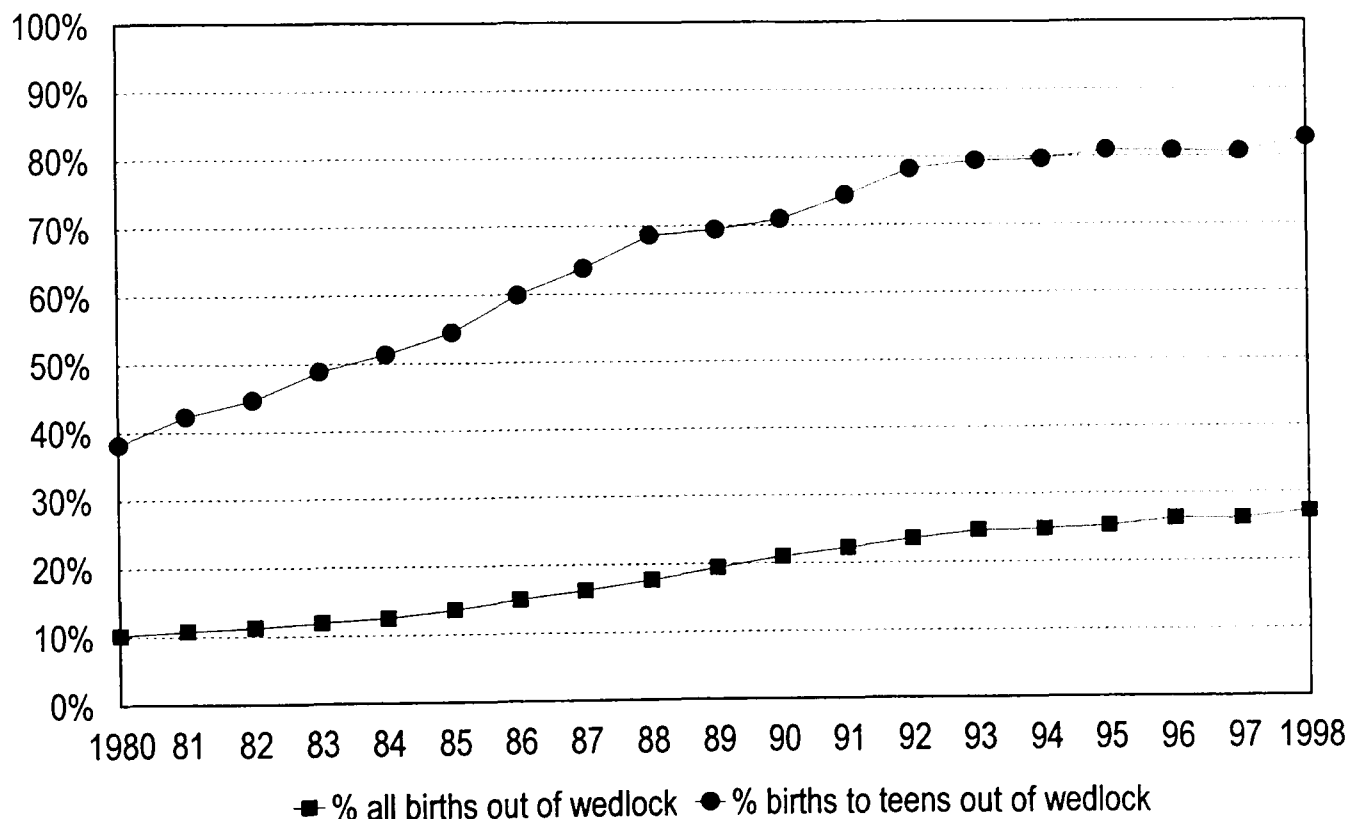


Figure 2. Percent of births out of wedlock, 1998.

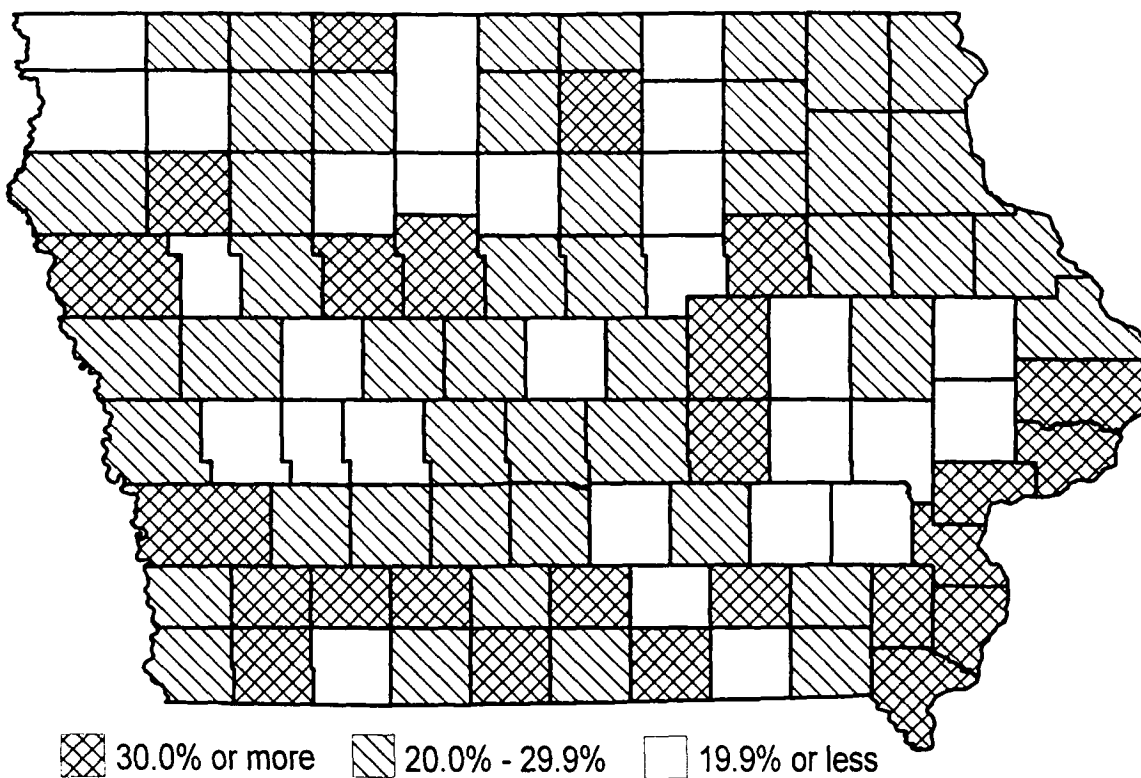
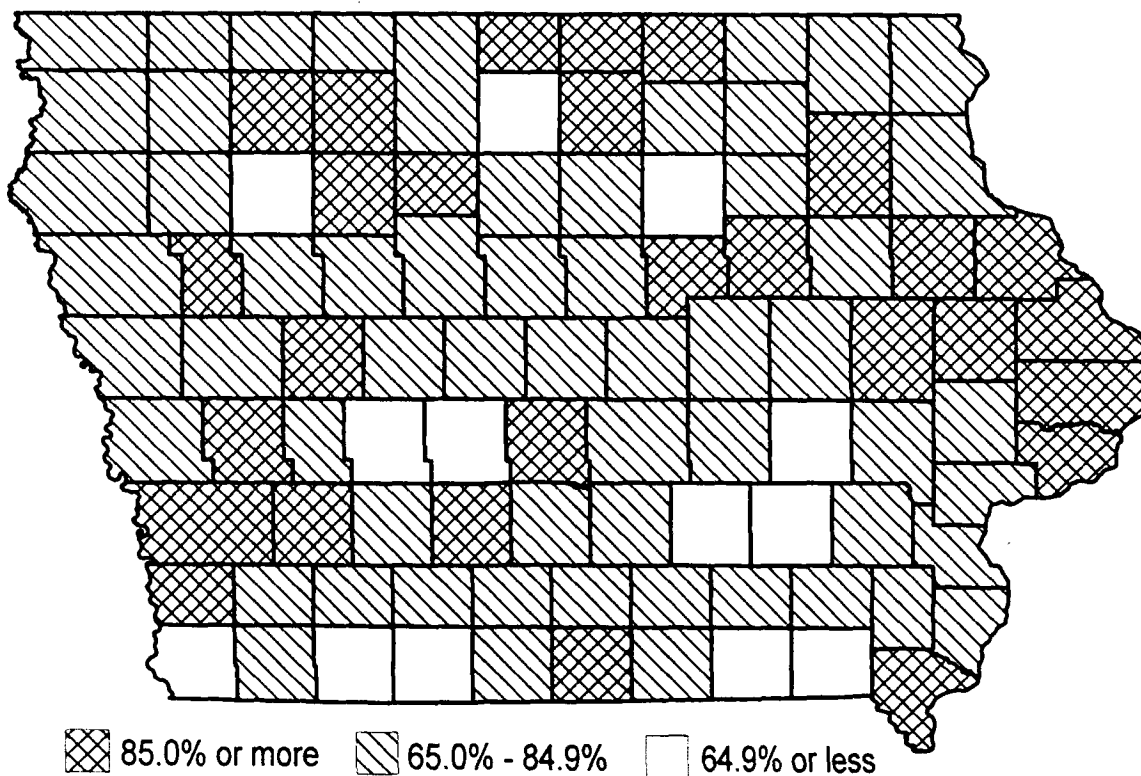


Figure 3. Percent of births to teens out of wedlock, 1998.



Infant Mortality in Iowa's Counties: 1980-1998

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In 1998, 243 infants died before they reached one year of age in the State of Iowa (Table 1), according to records kept by the Iowa Department of Public Health. That was an increase of 14 from 1997, which had the lowest number recorded in the 1980-1998 period (Figure 1). Declines in the number of infant deaths occurred most years between 1980 and 1993, with decreases greater than 50 between 1980 and 1981, 1982 and 1983, and 1985 and 1986. Slight increases occurred from 1993 to 1995, but the downward trend resumed after that year. Deaths are reported for the county of residence of the deceased.

A total of 6,446 infants died during the 19 years from 1980 through 1998. Polk (1,009) had the highest number during this period. Twelve others each reported at least 100 infant deaths. Twenty-two counties had 18 or fewer infant deaths during these 19 years, or an average of less than one per year.

Infant mortality rates are reported as the number of deaths to infants under one year of age for every 1,000 live births (infant deaths divided by live births, with the result multiplied by 1,000). For the entire 19-year period, the infant mortality rate was 8.5 (or 8.5 infant deaths for every 1,000 live births) (Table 2). In 1980, the rate was 11.8; substantial declines occurred through the 1980s and early 1990s, resulting in the rate of 6.5 for 1998, which was the second lowest in the period (1997, 6.2) (Figure 2).

Nearly a third (31) of Iowa's 99 counties had infant mortality rates exceeding the state figure of 8.5 for the 1980-1998 period. Eight counties reported rates of 10.0 or higher (Figure 3). Emmet, Van Buren, and Woodbury had rates of at least 11.0. Twenty-four counties were more than 2 points below the state's rate. Those in Adair and Monona were less than half that of the state.

When infant deaths and live births were accumulated for the years 1980 through 1984, the infant mortality rate was 10.0; the rate declined to 8.8 for 1985-1989, 7.7 for 1990-1994, and 7.0 when the data were tallied for 1995 through 1998. Fourteen counties matched the state's pattern of declining mortality rates across the four subperiods (Table 2). But three others (Shelby, Sioux, Union) had rates that increased through the four sets of years. Rather large fluctuations occurred in some counties, primarily because of the small numbers of infant deaths or live births even when data for several years were summed. That suggests that great caution should be taken in drawing conclusions from a single year of infant mortality figures in any county.

Note: See an annual publication called VITAL STATISTICS OF IOWA for additional data on deaths (Iowa Department of Public Health, Lucas State Office Building, Des Moines, IA 50319).

Table 1. Infant Mortality in Iowa's Counties, 1980-1998.

County	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1980-1998
Adair	0	0	0	1	1	0	1	1	0	0	0	1	0	1	0	0	1	0	1	8
Adams	0	0	1	1	0	0	1	0	0	1	1	0	1	0	2	1	0	1	0	10
Allamakee	1	2	1	2	1	3	0	1	0	2	0	1	0	4	0	1	1	2	5	27
Appanoose	0	2	1	2	2	2	0	3	3	0	1	3	0	1	4	2	0	1	2	29
Audubon	0	0	0	0	1	0	1	2	1	1	0	2	0	0	3	0	3	2	0	16
Benton	4	3	0	4	1	4	4	1	0	1	5	1	2	1	2	2	1	5	2	43
Black Hawk	10	15	9	8	10	22	14	13	17	14	17	15	11	9	18	21	35	26	34	318
Boone	2	1	1	1	5	1	4	2	0	2	4	3	3	4	4	4	3	5	4	53
Bremer	2	0	1	0	2	2	1	0	0	2	1	0	5	0	4	0	1	5	4	30
Buchanan	3	1	2	5	4	1	2	0	1	2	4	3	1	4	4	6	3	6	6	58
Buena Vista	1	2	1	1	1	0	0	0	0	2	2	4	1	0	3	2	5	2	3	30
Butler	0	0	0	1	1	1	1	1	1	0	0	2	1	2	2	1	2	4	2	22
Calhoun	0	0	0	1	0	1	0	1	0	2	0	0	3	2	3	2	0	3	2	20
Carroll	0	2	2	2	3	2	0	0	2	1	2	3	2	1	3	1	5	1	3	35
Cass	1	1	0	0	2	0	1	1	1	4	0	1	2	3	4	3	2	3	3	32
Cedar	1	1	2	1	1	3	0	3	3	2	0	2	2	1	2	2	1	5	3	35
Cerro Gordo	0	6	3	2	2	6	7	2	6	0	3	4	10	4	11	2	5	6	12	91
Cherokee	0	1	0	0	0	0	1	0	5	2	2	0	1	1	1	3	2	1	3	23
Chickasaw	0	1	0	3	0	1	1	1	0	1	0	3	0	3	1	3	2	1	4	25
Clarke	1	0	0	1	0	0	0	1	0	0	3	0	1	0	2	1	4	2	0	16
Clay	1	1	1	2	0	0	1	2	0	2	0	7	2	1	3	2	3	3	5	36
Clayton	0	0	2	3	1	1	2	3	0	3	3	2	1	3	3	2	1	2	5	37
Clinton	6	3	3	5	5	8	3	3	7	3	3	4	5	8	3	2	8	7	8	94
Crawford	0	2	1	2	3	1	0	0	1	1	1	1	6	3	1	6	4	7	2	42
Dallas	2	3	4	6	2	2	2	4	1	5	3	7	5	3	5	5	4	0	3	66
Davis	0	0	1	0	0	1	0	1	0	0	1	0	1	3	0	0	0	2	1	11
Decatur	1	0	1	0	3	1	2	0	0	0	1	0	0	0	0	1	0	1	2	13
Delaware	2	1	0	1	0	1	0	1	2	1	4	4	5	1	1	3	2	8	4	41
Des Moines	3	2	4	3	3	3	6	2	6	1	7	6	5	9	11	4	6	9	13	103
Dickinson	0	0	0	0	2	2	4	0	1	2	0	1	2	2	2	1	1	1	3	24
Dubuque	6	3	7	12	7	2	6	8	16	6	11	7	11	10	10	13	16	10	18	179
Emmet	0	0	1	1	0	0	1	0	1	2	1	1	3	2	0	4	5	3	7	32
Fayette	0	2	2	2	1	1	2	3	1	2	4	1	3	2	1	2	4	9	3	45
Floyd	0	2	0	1	0	1	2	0	0	0	0	1	0	6	5	2	0	2	2	24
Franklin	0	0	1	1	0	1	1	2	1	1	3	0	1	0	1	0	4	3	3	23
Fremont	1	1	0	1	1	0	2	0	0	2	0	1	2	1	0	1	1	1	0	15
Greene	2	1	1	1	0	1	0	1	1	0	2	0	1	0	1	0	2	4	1	19
Grundy	0	1	0	1	2	0	1	1	1	0	1	1	0	1	1	3	0	3	0	17
Guthrie	0	0	0	1	2	0	0	2	0	2	0	0	1	1	2	2	2	0	2	17
Hamilton	2	1	1	1	2	1	3	1	3	3	0	2	2	0	2	0	3	1	4	32
Hancock	1	0	0	0	3	0	1	0	2	2	0	0	1	1	0	4	2	3	9	29
Hardin	1	1	1	0	3	0	0	2	2	1	0	2	3	3	4	0	4	1	0	28
Harrison	0	2	1	1	0	1	0	1	1	0	0	1	2	5	1	1	2	0	3	22
Henry	0	3	3	1	2	4	0	2	0	3	2	2	1	3	0	2	1	1	9	39
Howard	3	0	0	0	0	1	0	0	1	0	1	0	2	1	1	2	1	0	3	16
Humboldt	0	0	0	1	1	0	0	1	2	1	1	4	0	1	4	0	0	0	1	17
Ida	1	0	3	1	3	2	1	1	0	2	0	1	0	1	1	1	2	0	1	21
Iowa	1	1	2	1	1	0	0	1	0	5	4	3	2	1	1	4	2	0	4	33
Jackson	4	0	0	4	1	2	3	2	1	4	5	1	3	4	2	1	2	4	5	48
Jasper	3	5	1	2	4	5	3	4	0	3	3	5	5	6	5	3	4	3	4	68

Table 1. Infant Mortality in Iowa's Counties, 1980-1998 (continued).

County	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1980-1998
Jefferson	1	0	2	2	0	3	3	2	3	1	0	0	0	1	5	0	1	3	1	28
Johnson	10	10	9	11	13	3	11	12	13	14	11	9	7	15	10	16	17	13	17	221
Jones	0	0	4	4	0	1	0	0	4	0	1	3	2	2	1	0	2	2	2	28
Keokuk	1	0	0	0	1	0	1	2	1	0	3	0	3	3	4	1	2	1	1	24
Kossuth	0	3	0	3	2	0	2	1	4	0	2	1	1	4	1	4	3	1	5	37
Lee	3	3	4	6	6	3	3	8	2	4	3	9	6	3	5	6	11	7	9	101
Linn	10	15	23	22	18	19	20	14	26	19	27	19	25	24	17	27	44	22	45	436
Louisa	1	2	1	1	0	2	0	1	4	2	2	1	3	0	2	2	3	1	2	30
Lucas	1	0	1	0	1	0	1	1	0	3	0	1	0	1	1	0	1	0	0	12
Lyon	1	1	0	0	0	2	3	1	1	0	0	0	2	0	1	4	2	1	0	19
Madison	2	1	2	0	0	0	0	2	1	0	0	1	1	1	1	1	1	0	3	17
Mahaska	1	0	2	0	0	1	2	3	1	3	2	4	1	2	3	3	3	4	1	36
Marion	0	3	2	2	2	2	5	4	1	4	3	3	5	3	0	5	3	4	2	53
Marshall	3	2	7	5	4	4	0	5	4	2	3	5	6	8	2	4	10	4	7	85
Mills	0	0	1	2	1	2	0	0	0	0	2	3	1	1	2	0	2	3	1	21
Mitchell	0	2	3	2	0	1	4	1	1	1	0	1	1	1	1	2	0	4	2	27
Monona	0	0	0	0	1	2	0	1	1	0	0	1	1	0	2	0	0	0	1	10
Monroe	0	1	0	1	1	0	0	0	0	1	2	3	1	0	1	1	1	2	2	17
Montgomery	2	2	1	1	1	2	1	3	1	1	5	0	0	1	1	0	0	1	4	27
Muscatine	4	0	1	3	11	3	10	11	2	6	6	5	8	4	3	7	11	12	7	114
O'Brien	0	2	2	4	0	2	2	3	2	1	0	1	1	1	0	1	4	1	4	31
Osceola	1	1	2	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	2	8
Page	2	3	4	3	0	4	2	1	0	1	6	1	0	1	2	5	1	1	4	41
Palo Alto	2	0	1	2	3	2	1	1	1	0	0	0	2	0	3	3	1	4	1	27
Plymouth	2	0	2	2	1	3	4	3	2	2	1	4	1	1	6	2	6	3	3	48
Pocahontas	0	0	1	0	1	0	0	0	0	0	1	1	0	2	1	1	1	2	0	11
Polk	50	35	39	57	42	48	52	66	57	59	51	60	46	70	50	52	44	59	72	1009
Pottawattamie	11	9	11	16	7	7	13	14	5	11	7	18	12	22	12	16	25	21	18	255
Poweshiek	0	0	2	2	2	1	0	0	0	3	1	1	3	1	1	0	4	4	6	31
Ringgold	1	0	0	0	0	0	0	2	0	0	1	2	0	1	1	1	0	0	0	9
Sac	2	0	0	2	1	0	1	0	1	2	2	1	1	1	1	3	1	3	2	24
Scott	17	12	17	18	18	12	23	14	27	24	22	17	26	17	25	24	25	29	41	408
Shelby	1	1	3	1	1	0	2	2	3	3	2	0	0	1	0	1	0	2	4	27
Sioux	1	3	2	6	2	2	4	5	2	3	2	3	2	6	4	7	3	3	2	62
Story	8	5	3	3	4	6	5	11	10	3	5	7	7	11	8	8	5	8	9	126
Tama	1	4	2	1	0	1	2	0	2	0	2	0	1	3	1	2	2	2	5	31
Taylor	0	1	2	0	1	0	0	1	0	5	1	0	0	2	0	1	2	0	2	18
Union	0	0	3	3	0	0	1	2	1	1	1	0	1	0	0	0	1	0	0	14
Van Buren	0	2	1	1	1	1	1	2	1	1	1	0	0	2	2	1	1	4	0	22
Wapello	2	5	3	1	4	3	5	3	4	6	3	7	4	5	7	7	0	5	8	82
Warren	4	3	9	4	5	4	4	6	0	1	5	5	4	4	5	2	1	4	3	73
Washington	6	3	2	2	1	1	4	1	1	4	3	0	1	3	5	3	3	1	2	46
Wayne	0	0	0	0	1	0	0	1	1	0	0	0	0	0	1	1	1	1	2	9
Webster	2	4	3	3	4	4	5	5	5	5	7	7	5	7	9	4	10	6	12	107
Winnebago	1	2	0	1	0	3	1	1	0	1	0	1	5	1	1	3	3	0	0	24
Winneshiek	3	1	1	0	0	0	2	0	2	0	4	1	1	3	5	2	0	3	4	32
Woodbury	17	15	13	11	21	13	19	14	26	27	22	21	9	24	17	21	24	30	27	371
Worth	2	0	2	0	0	0	1	0	0	0	0	1	0	1	1	0	3	2	1	14
Wright	1	0	1	1	2	3	2	1	3	1	2	1	0	2	1	2	3	4	1	31
State of Iowa	243	229	259	300	273	261	307	312	317	321	330	343	327	389	376	385	453	456	565	6446

Table 2. Infant Mortality Rates Per 1,000 Live Births in Iowa's Counties for Selected Periods from 1980 through 1998.

County	1980- 1998	1995- 1998	1990- 1994	1985- 1989	1980- 1984	County	1980- 1998	1995- 1998	1990- 1994	1985- 1989	1980- 1984
Adair	4.1	3.5	6.5	3.8	3.0	Jefferson	7.6	7.6	12.1	1.9	9.1
Adams	8.6	12.0	3.6	9.0	10.7	Johnson	8.9	7.9	7.7	8.6	11.3
Allamakee	7.2	9.0	5.7	6.7	7.6	Jones	6.0	9.8	4.0	6.7	5.0
Appanoose	8.7	8.2	12.1	5.8	8.6	Keokuk	8.0	1.8	6.7	12.0	9.4
Audubon	9.0	.0	12.6	6.5	12.6	Kossuth	7.8	8.8	8.2	6.3	8.1
Benton	7.3	9.4	6.4	6.8	7.1	Lee	9.9	8.6	8.8	9.4	12.0
Black Hawk	9.2	6.6	9.0	7.7	12.0	Linn	9.0	6.8	7.5	9.4	11.9
Boone	8.6	4.2	7.9	10.0	11.0	Louisa	9.6	7.2	8.8	10.7	11.3
Bremer	5.7	3.3	4.0	6.2	7.7	Lucas	5.3	4.6	5.2	9.5	2.8
Buchanan	9.0	9.5	5.3	8.6	11.8	Lyon	5.6	3.5	8.3	2.3	7.3
Buena Vista	5.7	5.3	.8	6.3	9.5	Madison	5.6	7.8	3.8	3.9	7.4
Butler	5.9	1.6	6.0	5.2	8.6	Mahaska	6.2	2.7	5.0	7.7	8.1
Calhoun	7.8	2.3	3.6	10.3	11.4	Marion	7.0	4.7	7.1	9.1	6.4
Carroll	5.7	5.8	5.0	5.4	6.4	Marshall	8.3	8.3	6.9	9.6	8.6
Cass	8.6	3.3	5.6	10.5	11.9	Mills	6.4	4.4	3.8	8.4	8.2
Cedar	8.3	6.4	9.7	6.6	9.8	Mitchell	9.8	13.6	10.0	5.8	10.7
Cerro Gordo	7.5	4.9	7.5	6.4	10.1	Monona	4.1	.0	8.0	3.6	3.7
Cherokee	6.8	1.9	7.4	6.5	8.7	Monroe	8.4	5.6	1.9	13.9	11.3
Chickasaw	7.0	7.2	3.4	7.9	8.9	Montgomery	8.9	10.3	10.5	9.5	6.4
Clarke	7.9	5.4	2.1	7.0	15.0	Muscatine	9.2	3.3	11.3	9.3	11.3
Clay	7.6	6.5	2.6	9.7	10.1	O'Brien	7.8	10.8	9.7	4.1	7.5
Clayton	7.6	6.4	6.0	9.2	8.0	Osceola	4.3	12.3	.0	2.1	4.8
Clinton	6.9	6.6	7.7	6.6	6.6	Page	10.6	16.5	7.9	8.7	10.8
Crawford	9.2	6.1	4.9	9.6	13.4	Palo Alto	10.2	11.8	15.0	2.8	12.2
Dallas	7.9	7.5	5.2	11.2	7.6	Plymouth	7.2	4.8	8.2	5.3	9.5
Davis	4.7	2.3	3.3	8.3	4.2	Pocahontas	5.0	3.5	2.0	6.2	6.5
Decatur	6.6	5.2	12.7	2.0	6.6	Polk	10.0	7.9	9.7	11.2	11.1
Delaware	7.5	4.4	3.0	10.4	10.3	Pottawattamie	10.4	10.2	7.3	10.8	12.9
Des Moines	9.1	5.6	7.1	9.8	12.3	Poweshiek	7.4	5.0	2.7	8.5	12.2
Dickinson	7.4	.0	12.0	8.5	7.8	Ringgold	7.8	4.8	9.0	13.7	4.7
Dubuque	7.4	6.0	6.4	7.4	9.2	Sac	8.0	7.4	4.4	9.0	9.9
Emmet	11.2	4.1	3.0	12.8	19.1	Scott	8.7	7.1	7.9	8.7	10.4
Fayette	7.8	5.9	5.6	8.5	10.0	Shelby	8.1	10.8	10.0	7.2	6.2
Floyd	5.7	3.7	2.9	6.5	8.4	Sioux	6.9	7.5	7.1	6.8	6.6
Franklin	8.3	4.1	7.9	6.9	12.0	Story	7.1	5.5	8.3	7.0	7.3
Fremont	7.6	9.1	6.3	11.0	4.8	Tama	6.8	8.5	4.5	5.3	8.8
Greene	7.4	11.1	5.1	4.7	9.0	Taylor	10.8	10.1	5.3	20.0	8.5
Grundy	6.2	4.1	7.7	4.3	7.5	Union	4.5	9.9	5.6	3.9	1.0
Guthrie	6.8	2.0	6.2	7.1	10.2	Van Buren	11.2	11.5	12.2	7.7	13.3
Hamilton	7.8	6.2	9.7	6.7	8.2	Wapello	9.1	6.6	8.3	10.9	9.9
Hancock	9.1	2.0	8.4	4.6	16.3	Warren	7.7	10.1	7.6	7.8	5.9
Hardin	6.0	3.5	6.8	7.8	5.7	Washington	8.4	11.1	5.7	7.7	9.3
Harrison	5.8	5.8	3.2	7.5	6.3	Wayne	5.8	.0	7.9	.0	12.0
Henry	8.1	7.2	6.4	9.2	9.5	Webster	9.5	5.9	8.3	10.4	11.8
Howard	6.3	6.7	3.4	6.1	8.4	Winnebago	8.2	7.4	7.3	9.8	8.0
Humboldt	6.4	2.2	7.4	9.6	5.4	Winneshiek	6.3	5.8	3.2	6.5	8.9
Ida	9.6	13.9	14.6	6.3	7.0	Woodbury	11.9	8.3	11.3	13.3	13.9
Iowa	8.5	6.7	1.9	15.2	9.9	Worth	7.2	11.8	2.1	3.8	11.5
Jackson	8.7	8.2	6.9	11.7	7.9	Wright	8.9	4.9	12.4	6.6	10.1
Jasper	7.9	6.5	7.2	9.8	7.7						
						State of Iowa	8.5	7.0	7.7	8.8	10.0

Figure 1. Infant mortality in Iowa, 1980-1998.

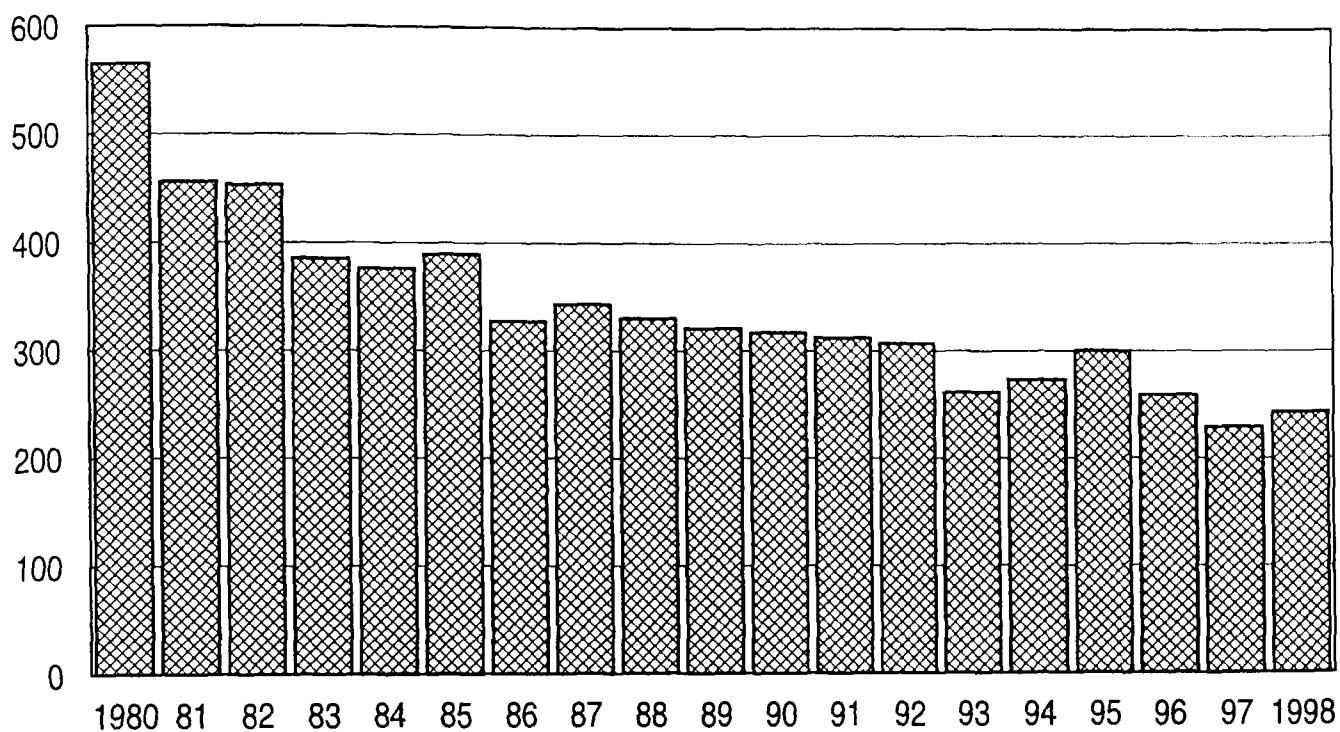


Figure 2. Infant mortality rate in Iowa, 1980-1998.

Infant Deaths Per 1,000 Live Births

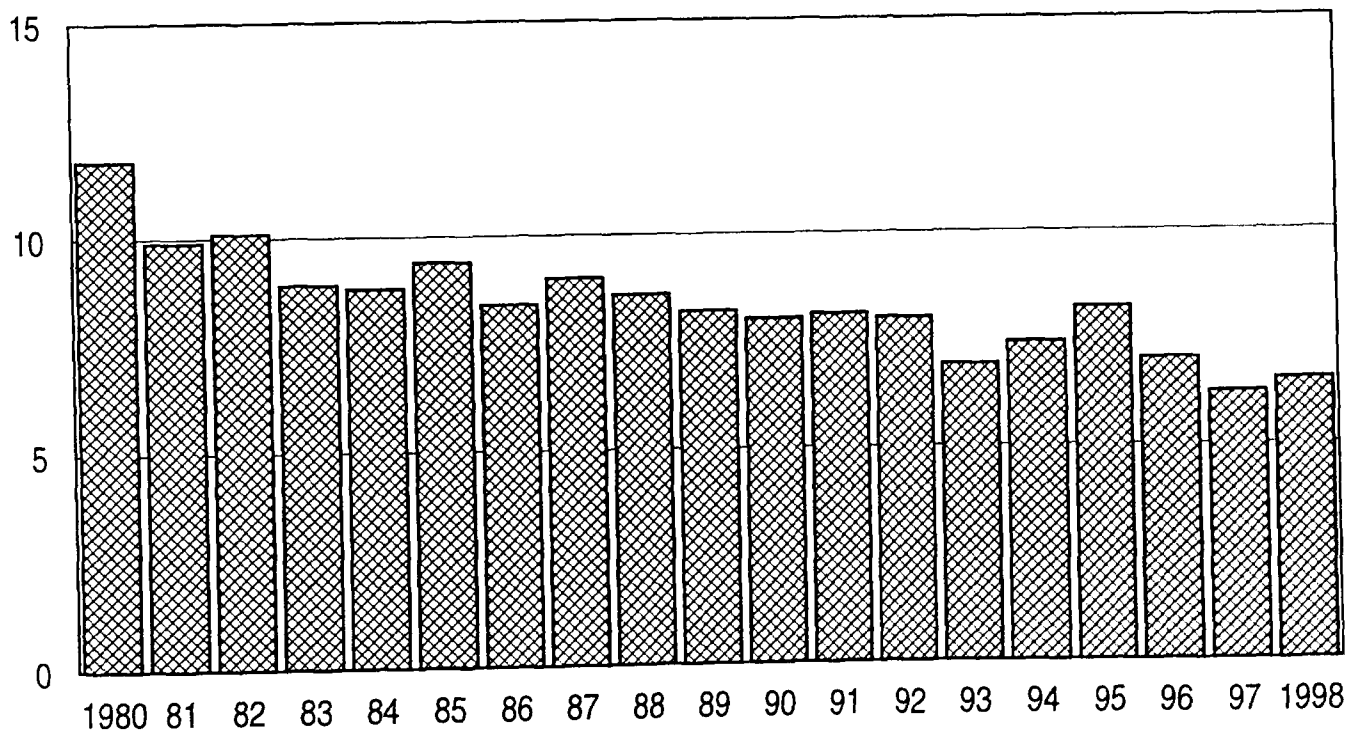
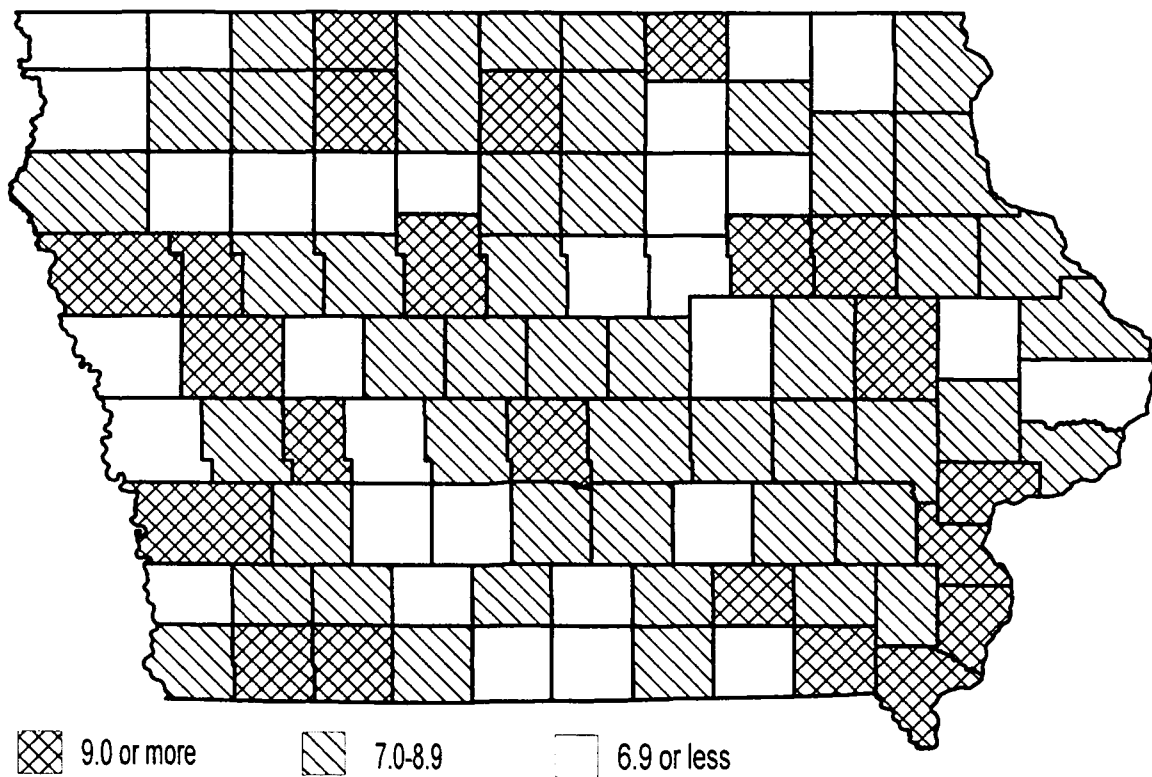


Figure 3. Infant mortality rate, 1980-1998 period.



Deaths Caused by Accident, Homicide, or Suicide (Total, Teens) in Iowa's Counties: 1980-1998

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The Iowa Department of Public Health maintains records on the causes of death of residents in Iowa's counties. Deaths from causes other than illness and disease include motor vehicle accidents, other accidents, suicides, and homicides. From 1980 through 1998, the 28,498 deaths due to these four causes accounted for 5.5% of all deaths (520,455) in Iowa. All deaths are recorded by the county of residence of the deceased, not by where the death occurred.

Deaths Due to Motor Vehicle Accidents

In 1998, 462 Iowans died in motor vehicle accidents (Table 1). From 1980 through 1998, only one year—1986—had a lower total than that reported in 1998. Deaths from motor vehicle accidents were substantially higher in 1980 and 1981, exceeding 650 both years (Figure 1).

Polk had more residents (37) die in motor vehicle accidents in 1998 than did any other county. The next highest counties were Black Hawk, Linn, and Scott, the only others exceeding 15. Seventy-one of the counties had one to five while Fayette, Humboldt, Ida, and Ringgold had no residents die in motor vehicle accidents in 1998.

A total of 9,864 Iowa residents died in motor vehicle accidents from 1980 through 1998. Of these, 863 were residents of Polk. Twenty-three other counties had at least 100 residents die in this manner between 1980 and 1998. Adams had 22 residents die in motor vehicle accidents during the 19-year period, the lowest of any county.

Deaths Due to Other Accidents

Included in the category of other accidents are deaths by falls, drowning, fire, suffocation, accidental poisoning, and gunshots; deaths from boat and airplane accidents also are counted in this category. The deaths of 628 Iowans were due to these kinds of incidents in 1998 (Table 2). This was the third-highest number in the 1980-1998 period, exceeded only by those in 1980 and 1981 (Figure 1).

In 1998, Polk had the highest number (56) of deaths from accidents other than those involving motor vehicles, followed by Johnson, Linn, Pottawattamie, Scott, and Woodbury each with at least 20. Five or fewer such deaths occurred in 60 counties in 1998; among these 60, no deaths from these kinds of accidents were reported for residents of Lyon and Osceola.

During the 1980-1998 period, accidents other than those involving motor vehicles claimed the lives of 11,142 Iowans. Polk's total was 1,279, nearly triple that of second place Linn (492). Twenty-six other counties recorded 100 or more such accidental deaths during the 19 years. Osceola (24) had the fewest of these accidental deaths during the period.

Deaths Due to Homicide

There were more homicides in Iowa in 1998 (66) than in 9 of the other 18 years reported (Table 3, Figure 1); the highest number was 80 in 1981. Seventy-five of Iowa's counties had no homicides in 1998

Table 1. Deaths to Residents Caused by Motor Vehicle Accidents in Iowa's Counties, 1980-1998.

County	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	2	2	3	5	0	5	2	2	3	1	1	0	2	0	2	1	0	2	3
Adams	2	0	3	1	1	2	1	2	0	1	4	1	0	1	0	1	1	1	0
Allamakee	7	3	5	2	1	4	7	3	4	6	1	9	3	1	6	7	7	5	9
Appanoose	5	2	2	5	5	5	2	0	5	4	6	4	4	1	5	0	0	5	3
Audubon	1	2	1	1	0	1	1	4	2	1	0	0	0	1	2	4	0	2	4
Benton	4	6	4	4	4	3	1	8	3	7	8	5	3	3	4	9	5	3	7
Black Hawk	18	21	17	20	23	19	24	16	19	16	17	13	13	18	13	16	19	24	29
Boone	2	7	5	5	9	1	6	1	3	3	2	6	1	5	2	2	6	7	3
Bremer	3	2	3	4	4	8	1	6	5	5	9	2	3	4	2	4	3	5	8
Buchanan	4	5	5	6	2	3	3	2	3	4	8	1	1	2	4	6	7	5	5
Buena Vista	5	4	3	2	4	3	6	4	3	4	8	2	3	2	5	3	6	5	6
Butler	5	2	0	1	4	4	4	3	2	3	6	6	5	1	3	2	2	2	5
Calhoun	2	1	3	2	1	0	3	3	2	10	4	3	2	5	3	3	2	2	7
Carroll	1	10	4	6	5	4	4	7	2	1	6	5	3	3	3	3	5	3	8
Cass	3	4	2	7	2	4	4	2	2	0	4	1	7	4	1	6	4	4	10
Cedar	2	6	4	5	4	3	2	7	2	3	9	4	2	7	4	0	5	8	5
Cerro Gordo	9	10	6	6	5	13	8	6	3	6	3	8	5	8	3	5	8	10	16
Cherokee	4	7	4	4	3	1	1	5	1	5	5	3	0	4	4	1	4	7	4
Chickasaw	6	2	2	4	2	2	3	6	1	1	5	2	3	1	5	1	2	2	6
Clarke	4	0	4	4	0	4	2	3	2	2	1	2	4	3	0	0	3	4	1
Clay	2	1	4	5	4	2	0	6	4	1	1	2	4	4	1	3	6	2	8
Clayton	5	2	5	10	8	9	4	6	2	13	3	1	8	3	5	5	6	10	11
Clinton	8	11	11	10	12	7	4	11	9	8	20	10	10	8	6	11	14	16	11
Crawford	2	7	6	7	6	5	2	5	2	2	4	7	4	10	2	9	2	6	6
Dallas	8	8	3	6	5	11	10	9	10	5	11	6	5	7	5	6	8	7	5
Davis	3	1	5	9	2	3	2	2	3	3	0	2	3	3	5	1	1	0	0
Decatur	2	5	3	1	1	3	1	3	1	1	1	0	1	2	3	2	8	4	2
Delaware	3	4	2	4	1	4	2	4	2	1	1	4	2	4	3	2	4	4	4
Des Moines	3	11	5	6	5	13	3	10	7	5	12	8	8	4	11	9	5	8	9
Dickinson	4	1	5	2	2	2	6	4	1	2	2	3	0	2	1	0	1	1	5
Dubuque	7	12	7	5	16	9	18	9	11	18	15	14	14	14	15	18	12	21	18
Emmet	3	2	3	5	1	1	2	5	0	3	3	4	1	8	3	2	0	5	4
Fayette	0	5	0	7	6	3	5	7	13	3	12	8	3	6	3	4	4	5	2
Floyd	3	6	2	2	6	4	3	3	2	5	4	4	1	3	2	5	8	6	7
Franklin	5	6	3	1	1	2	4	1	0	4	4	2	1	1	3	3	2	3	3
Fremont	2	5	2	2	3	3	0	1	2	2	2	5	4	4	3	2	2	4	3
Greene	1	2	1	5	5	0	2	0	4	2	9	1	0	0	1	2	1	5	8
Grundy	2	3	4	3	3	0	0	3	1	0	1	2	1	2	1	2	4	2	3
Guthrie	4	0	0	3	2	2	2	1	1	1	5	1	1	3	2	2	3	1	2
Hamilton	4	5	5	4	4	4	4	1	4	4	7	7	2	0	3	6	3	8	4
Hancock	1	2	3	2	3	4	0	2	5	2	2	2	4	1	3	3	1	1	2
Hardin	4	7	1	4	7	4	2	3	2	3	8	5	3	3	8	2	2	7	7
Harrison	3	3	4	4	6	4	12	7	6	6	5	2	4	2	5	4	6	1	8
Henry	2	1	3	5	3	7	2	11	2	7	1	2	7	0	3	1	5	6	4
Howard	2	0	2	1	1	1	4	1	2	4	2	3	3	1	5	1	1	5	2
Humboldt	0	3	4	3	3	2	3	1	1	4	1	3	3	2	2	4	0	5	2
Ida	0	2	0	5	1	4	5	0	2	1	2	7	1	5	2	3	0	1	0
Iowa	4	4	2	5	3	3	6	2	2	1	3	3	2	8	1	0	5	5	5
Jackson	2	4	8	6	4	4	4	8	7	3	8	11	8	7	4	7	10	8	7
Jasper	5	8	5	4	4	9	4	1	8	10	6	8	7	3	10	9	5	6	5

Table 1. Deaths to Residents Caused by Motor Vehicle Accidents in Iowa's Counties, 1980-1998 (continued).

County	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Jefferson	4	4	9	8	0	2	2	6	5	2	3	5	2	2	4	5	1	4	5
Johnson	1	6	8	10	9	8	8	11	10	14	6	5	8	22	8	7	14	9	11
Jones	8	5	10	4	3	6	7	2	5	4	6	4	2	4	1	7	3	6	6
Keokuk	6	1	7	5	5	6	2	2	5	0	5	6	3	3	8	9	6	8	3
Kossuth	4	3	7	7	2	6	2	1	1	9	3	4	2	10	3	1	7	7	5
Lee	7	6	13	10	6	3	7	16	16	9	9	8	5	8	6	10	9	13	14
Linn	20	19	18	27	24	19	12	22	21	26	19	19	16	20	19	15	20	32	29
Louisa	2	3	4	5	6	3	3	1	4	5	3	0	3	0	2	3	3	2	2
Lucas	7	3	2	3	2	0	5	2	6	2	0	3	2	3	3	3	2	4	1
Lyon	3	2	4	2	2	3	2	2	2	2	0	2	5	3	4	1	2	5	4
Madison	4	4	5	6	5	0	2	4	2	3	1	2	1	4	3	3	1	3	1
Mahaska	3	1	6	5	6	7	6	6	5	3	6	7	3	4	4	5	3	0	6
Marion	9	5	6	4	9	8	9	4	7	8	6	2	4	5	2	5	1	8	4
Marshall	10	4	4	13	9	5	12	17	6	11	2	9	10	9	6	9	13	10	11
Mills	4	2	8	1	1	3	2	3	7	2	2	3	5	3	2	1	3	3	4
Mitchell	4	2	3	6	1	2	6	0	1	2	3	3	1	1	1	4	1	2	3
Monona	1	4	7	1	3	1	3	2	3	5	4	4	5	0	3	3	3	6	7
Monroe	1	3	5	1	4	4	3	1	3	5	1	1	1	3	3	6	1	3	6
Montgomery	4	4	1	3	2	2	0	3	4	2	3	2	3	2	1	2	2	6	2
Muscatine	6	11	9	7	7	3	5	9	11	19	14	8	4	18	10	15	8	12	9
O'Brien	6	0	4	2	6	1	5	3	1	4	3	3	0	1	7	3	3	8	3
Osceola	2	3	2	1	3	2	1	0	1	0	3	0	6	2	2	4	1	2	0
Page	2	3	3	3	2	1	5	3	7	2	5	1	2	2	8	4	3	5	6
Palo Alto	5	3	3	1	2	2	3	5	4	3	3	0	2	7	1	1	1	2	2
Plymouth	6	3	2	6	5	5	2	2	4	3	6	8	4	9	1	5	7	8	10
Pocahontas	1	1	2	3	2	0	3	3	4	6	5	3	7	1	2	3	3	5	4
Polk	37	48	41	44	53	34	39	45	35	48	60	41	43	45	44	43	28	58	77
Pottawattamie	11	13	12	10	17	14	20	8	14	14	15	25	17	14	11	21	21	22	5
Poweshiek	3	5	4	3	4	1	2	3	2	5	4	6	5	3	8	2	6	5	6
Ringgold	0	2	2	1	2	2	1	1	1	0	2	3	0	2	2	3	1	1	3
Sac	5	3	4	7	2	3	4	1	2	4	4	7	1	7	1	3	4	3	5
Scott	17	13	13	21	20	17	18	10	18	21	19	22	21	15	18	33	18	29	28
Shelby	3	1	4	4	1	7	6	2	3	4	4	2	0	2	2	5	5	2	7
Sioux	6	11	5	5	3	2	1	6	8	7	4	6	9	5	4	4	4	4	6
Story	12	16	4	9	2	7	7	13	9	4	5	9	6	6	9	5	6	9	9
Tama	4	6	5	6	7	5	6	6	6	3	2	5	5	5	4	8	3	7	4
Taylor	2	1	1	1	4	2	1	0	2	2	1	5	4	2	0	5	3	2	3
Union	1	3	1	3	4	3	5	5	1	2	4	1	5	3	3	0	5	3	5
Van Buren	2	2	0	4	2	4	0	4	2	2	2	0	0	1	2	1	3	3	1
Wapello	5	6	7	10	14	7	8	10	9	11	7	2	9	8	5	5	7	11	5
Warren	6	5	3	4	6	1	3	1	4	8	11	3	7	7	5	6	6	6	11
Washington	2	6	5	4	3	7	3	3	3	4	3	4	5	10	4	4	3	10	8
Wayne	4	1	6	2	7	3	1	2	0	0	1	3	0	3	1	3	2	3	3
Webster	5	2	7	7	12	4	4	11	8	11	10	8	11	12	14	11	9	11	17
Winnebago	5	0	1	0	4	3	3	2	5	4	3	3	1	1	5	7	3	3	4
Winneshiek	1	0	1	4	2	2	1	3	8	5	3	2	3	2	5	7	4	4	3
Woodbury	14	16	9	13	12	12	15	12	16	17	16	14	13	19	13	20	22	15	12
Worth	3	1	3	2	2	0	0	1	1	3	3	1	1	2	2	1	3	0	0
Wright	1	4	6	2	2	3	1	6	6	4	4	3	4	7	5	3	4	2	3
State of Iowa	462	497	484	540	518	463	467	502	491	541	570	501	455	521	473	536	509	655	679

Table 2. Deaths to Residents Caused by Accidents Other Than Those Involving Motor Vehicles in Iowa's Counties, 1980-1998.

County	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	2	2	2	7	1	0	3	6	2	3	1	4	2	1	4	0	4	2	4
Adams	1	2	1	2	4	4	3	2	0	3	3	1	1	2	2	1	1	2	3
Allamakee	1	8	6	5	3	2	3	3	4	7	5	5	8	2	4	4	5	3	3
Appanoose	1	5	3	4	1	3	2	2	3	3	4	4	9	6	4	2	6	1	3
Audubon	3	0	2	0	2	0	4	2	0	2	2	0	2	2	2	4	3	1	2
Benton	3	4	4	6	6	3	3	4	5	6	4	4	1	5	4	7	2	4	6
Black Hawk	13	26	22	25	30	36	16	23	24	14	15	22	24	14	16	33	21	25	27
Boone	12	4	4	8	2	9	5	8	3	8	11	11	8	8	3	9	3	9	5
Bremer	7	1	3	2	6	4	4	5	4	3	5	1	5	2	4	4	4	8	2
Buchanan	5	5	8	6	5	3	10	3	4	1	5	7	3	5	4	3	6	8	4
Buena Vista	9	2	4	1	4	2	4	0	2	7	6	3	0	4	2	8	3	4	6
Butler	5	4	3	8	3	0	0	1	2	2	3	4	7	2	1	2	2	4	5
Calhoun	8	4	7	3	4	2	2	6	2	1	4	4	4	2	3	4	0	1	2
Carroll	7	6	7	3	9	3	6	3	2	7	6	8	2	5	8	3	11	3	5
Cass	5	4	4	4	7	0	6	6	6	8	7	5	1	8	3	1	4	3	5
Cedar	8	1	6	6	6	4	2	0	5	1	2	0	1	6	5	2	2	4	0
Cerro Gordo	5	7	11	8	6	4	5	12	2	8	4	8	11	10	9	7	8	13	9
Cherokee	6	2	7	7	2	1	2	4	5	9	7	2	1	3	2	4	3	1	2
Chickasaw	3	1	1	5	1	4	2	4	1	1	1	1	4	1	3	0	2	3	3
Clarke	2	1	2	1	5	3	3	3	4	2	1	2	0	3	2	3	1	3	7
Clay	4	6	3	1	2	3	4	1	2	0	2	4	1	0	4	3	6	4	5
Clayton	3	4	1	5	8	6	4	7	3	5	8	4	2	6	9	6	8	6	7
Clinton	11	10	8	10	6	14	13	6	6	14	11	13	9	13	6	8	20	5	14
Crawford	4	7	3	5	3	4	3	2	4	5	1	3	5	5	5	3	5	5	4
Dallas	3	6	10	5	8	8	10	4	3	6	11	10	4	8	8	7	6	4	4
Davis	3	5	7	4	1	1	0	3	2	2	1	2	0	2	2	4	5	1	1
Decatur	2	2	3	1	6	4	8	6	5	4	4	2	3	3	1	2	2	1	5
Delaware	3	0	6	2	2	1	8	5	3	6	6	2	5	6	9	2	7	1	4
Des Moines	12	9	10	11	9	7	9	12	11	13	11	4	11	14	2	5	7	9	7
Dickinson	3	3	3	3	5	4	0	0	6	3	0	3	3	4	3	3	8	4	3
Dubuque	13	8	14	10	12	14	6	17	20	13	10	7	22	20	16	13	13	15	19
Emmet	5	3	1	2	6	4	2	2	1	3	6	1	1	4	5	3	0	4	2
Fayette	6	8	0	6	4	7	5	4	5	7	3	8	3	6	8	3	6	10	8
Floyd	1	1	2	6	3	4	6	4	1	1	5	5	2	2	5	4	6	3	10
Franklin	1	5	1	2	2	2	4	4	3	3	3	1	6	5	1	3	1	5	2
Fremont	1	4	2	3	2	3	0	4	3	2	3	2	1	0	2	7	3	8	3
Greene	3	2	1	3	3	0	3	6	1	0	1	3	3	5	1	7	2	0	4
Grundy	4	2	3	4	2	2	1	4	2	2	1	2	2	2	0	1	4	4	6
Guthrie	4	1	1	4	3	3	0	3	2	4	1	5	3	4	3	1	6	3	8
Hamilton	1	4	1	1	3	1	5	1	3	1	2	1	5	2	3	6	1	1	5
Hancock	2	4	1	2	2	3	2	1	3	2	3	3	5	0	3	3	5	3	1
Hardin	8	7	5	12	4	6	2	6	5	1	1	3	4	3	2	4	5	4	9
Harrison	9	4	5	2	3	1	4	5	4	3	6	4	2	8	3	9	3	4	3
Henry	6	2	4	3	6	6	7	0	1	3	7	2	3	7	1	8	2	3	3
Howard	4	1	4	4	2	2	1	3	3	3	5	2	1	2	0	3	3	1	0
Humboldt	1	1	1	1	4	3	7	2	3	0	2	2	1	0	4	1	5	5	1
Ida	5	6	1	3	2	1	1	1	2	3	7	3	2	0	4	3	3	4	2
Iowa	6	5	0	3	5	1	2	3	2	3	2	3	2	2	3	1	1	3	3
Jackson	4	2	6	4	8	3	6	2	5	2	2	3	2	2	5	4	9	11	4
Jasper	1	9	8	5	14	11	5	13	4	8	5	6	12	7	8	9	8	12	11

Table 2. Deaths to Residents Caused by Accidents Other Than Those Involving Motor Vehicles in Iowa's Counties, 1980-1998 (continued).

County	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Jefferson	1	1	2	5	2	2	4	2	2	4	1	7	3	4	2	4	2	4	0
Johnson	22	12	13	11	8	7	13	11	16	8	11	11	13	6	6	13	11	12	6
Jones	3	3	2	4	9	6	4	1	5	6	4	3	5	5	3	7	1	3	6
Keokuk	1	5	6	7	5	5	4	2	4	0	6	5	4	6	6	3	4	4	2
Kossuth	3	5	6	7	1	2	2	5	6	8	7	3	11	3	4	4	4	3	4
Lee	8	6	9	7	19	7	7	5	6	7	17	10	4	8	6	15	11	8	12
Linn	39	30	28	30	25	22	24	28	19	25	29	17	26	23	23	22	21	29	32
Louisa	4	1	3	11	4	4	1	1	4	1	0	5	2	5	1	1	5	2	0
Lucas	1	2	3	1	5	2	1	5	1	7	4	0	1	3	0	2	5	1	1
Lyon	0	3	2	4	2	0	0	2	5	2	3	5	3	1	7	1	3	5	3
Madison	7	3	1	8	2	4	5	4	3	3	8	2	5	5	3	3	3	4	6
Mahaska	6	2	8	10	6	4	7	12	7	4	5	7	4	4	3	5	4	4	4
Marion	11	7	11	11	8	7	11	9	11	6	5	6	14	7	8	8	8	11	6
Marshall	15	10	11	13	10	7	13	10	10	7	10	8	6	9	12	9	5	9	11
Mills	1	2	5	2	4	5	0	3	7	3	1	2	2	2	2	1	1	4	2
Mitchell	3	4	7	0	0	2	2	1	4	8	1	4	2	3	6	2	4	6	7
Monona	4	1	2	3	3	5	6	2	3	5	3	1	5	2	3	4	3	0	3
Monroe	2	2	2	2	3	0	4	3	1	4	1	3	1	6	3	1	2	0	7
Montgomery	7	4	5	3	1	7	5	7	6	6	1	5	2	3	3	1	3	6	1
Muscatine	8	7	7	10	11	2	4	13	5	5	12	8	8	12	6	8	10	9	5
O'Brien	2	2	1	3	2	2	7	7	3	0	4	8	9	6	2	3	6	6	2
Osceola	0	0	1	1	0	1	1	0	1	3	0	2	1	5	0	3	1	1	3
Page	6	4	4	6	2	3	7	4	5	2	5	3	5	7	2	4	6	3	4
Palo Alto	4	3	4	5	4	1	0	2	1	4	1	1	1	2	5	0	2	4	5
Plymouth	6	7	3	5	5	1	3	2	3	5	0	4	2	2	3	4	6	5	2
Pocahontas	2	6	4	0	3	1	1	1	6	1	2	0	2	0	1	0	8	1	4
Polk	56	50	64	68	57	70	71	82	68	72	88	60	78	61	74	51	58	71	80
Pottawattamie	20	15	13	13	16	13	15	21	13	21	22	14	16	17	11	15	19	16	14
Poweshiek	3	5	6	6	7	6	4	6	3	6	7	7	3	5	3	5	6	2	6
Ringgold	1	2	2	2	3	0	2	1	1	1	0	3	2	2	5	1	0	0	1
Sac	4	4	2	3	3	5	5	3	5	3	2	1	2	4	1	4	4	8	4
Scott	27	22	24	18	27	32	21	14	14	27	13	34	27	19	21	24	25	24	22
Shelby	1	5	3	4	2	5	2	3	6	2	4	0	3	4	9	6	3	3	6
Sioux	6	11	2	5	5	9	5	4	3	7	3	2	6	5	7	5	8	7	10
Story	7	12	10	5	5	14	7	17	16	9	7	11	8	13	5	14	14	14	13
Tama	5	2	5	3	4	2	2	4	8	6	1	2	12	5	4	1	6	4	4
Taylor	1	2	3	3	0	1	1	2	2	3	4	0	1	1	1	1	5	1	2
Union	6	2	6	6	3	4	1	3	3	5	6	6	0	3	4	4	5	6	3
Van Buren	7	4	3	5	1	5	1	1	3	5	2	2	6	2	2	1	1	1	2
Wapello	9	11	12	12	12	6	10	8	9	10	6	9	7	4	8	15	7	14	12
Warren	9	8	6	5	6	4	8	4	8	7	9	3	7	7	9	9	8	9	4
Washington	6	7	9	4	10	5	5	5	7	4	9	8	3	6	9	4	3	5	7
Wayne	3	4	6	4	1	1	2	2	1	0	0	3	2	4	2	3	2	8	4
Webster	12	15	16	5	18	13	13	13	10	13	12	8	6	11	7	10	9	14	12
Winnebago	4	5	1	5	2	4	5	5	1	1	4	1	3	2	2	4	3	4	3
Winneshiek	4	8	1	6	4	6	0	4	6	2	6	7	2	11	2	2	5	5	5
Woodbury	26	29	24	14	21	21	14	18	14	29	18	14	21	15	15	27	12	18	29
Worth	4	0	1	5	3	1	5	1	3	0	0	0	2	1	2	1	2	2	2
Wright	2	6	4	2	2	7	3	7	3	2	4	1	5	6	2	0	6	4	8
State of Iowa	628	581	595	610	603	559	551	598	549	587	594	535	582	580	536	572	601	629	652

Table 3. Deaths to Residents Caused by Homicide in Iowa's Counties, 1980-1998.

County	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Adams	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
Allamakee	2	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
Appanoose	0	0	1	0	0	0	0	0	1	0	1	0	0	0	1	0	0	0	1
Audubon	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Benton	0	1	0	0	0	0	0	0	0	1	0	3	1	0	0	0	0	1	1
Black Hawk	3	3	1	3	4	8	0	5	6	3	3	0	1	3	2	6	4	10	4
Boone	0	0	1	0	0	1	1	0	0	0	0	1	0	0	2	1	0	1	2
Bremer	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	0	1	0
Buchanan	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	1	1	0
Buena Vista	0	0	2	0	0	0	0	0	0	0	0	0	1	0	0	2	0	0	0
Butler	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	0	0	0
Calhoun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Carroll	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
Cass	0	0	0	0	0	1	0	1	0	0	1	0	0	0	1	0	0	0	0
Cedar	0	0	1	0	3	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Cerro Gordo	2	1	1	0	1	2	0	1	0	0	2	0	1	0	2	0	3	1	0
Cherokee	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Chickasaw	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Clarke	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0
Clay	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0
Clayton	0	0	1	0	0	0	0	0	0	0	1	0	2	0	0	0	0	0	0
Clinton	1	2	1	0	0	0	2	0	1	1	2	0	4	3	0	0	1	9	1
Crawford	0	0	0	0	1	0	0	0	0	0	0	1	2	0	0	0	0	0	0
Dallas	0	1	0	3	0	0	0	3	0	2	1	1	0	0	1	0	1	1	0
Davis	0	0	1	0	0	0	0	0	0	0	0	1	1	0	1	0	0	0	0
Decatur	0	0	0	1	0	1	0	0	1	0	0	0	0	0	0	0	0	0	1
Delaware	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Des Moines	0	0	0	1	1	1	1	2	2	2	0	0	1	0	1	3	3	0	4
Dickinson	2	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1	0
Dubuque	0	0	1	1	1	0	2	3	0	0	0	1	0	1	0	1	0	1	1
Emmet	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0
Fayette	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Floyd	0	3	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Franklin	0	0	2	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	2
Fremont	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	1	0	0
Greene	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0
Grundy	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Guthrie	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Hamilton	0	0	1	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0
Hancock	0	0	1	0	0	1	0	0	0	0	0	0	0	2	0	0	1	1	0
Hardin	0	1	1	1	2	1	0	0	0	0	1	0	0	0	0	0	0	0	0
Harrison	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0
Henry	0	0	0	0	0	0	1	0	0	1	0	0	1	0	2	4	0	2	2
Howard	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0
Humboldt	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ida	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Iowa	2	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0
Jackson	0	1	0	0	0	0	0	0	1	0	0	1	0	1	1	1	0	1	1
Jasper	0	1	0	0	1	0	0	0	0	2	3	0	3	1	1	2	2	0	0

Table 3. Deaths to Residents Caused by Homicide in Iowa's Counties, 1980-1998 (continued).

County	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Jefferson	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	1
Johnson	1	1	4	3	1	1	0	7	1	0	2	0	0	4	1	0	0	2	0
Jones	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0
Keokuk	0	0	1	0	0	0	1	0	0	0	0	1	0	0	0	0	0	1	0
Kossuth	0	0	0	0	0	0	0	0	0	0	0	2	0	1	0	0	0	0	0
Lee	2	0	1	1	0	0	0	5	0	1	0	0	0	2	1	1	3	2	2
Linn	5	4	1	4	5	3	4	5	2	5	1	3	2	2	7	6	4	3	3
Louisa	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Lucas	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	1	0	0
Lyon	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Madison	1	0	2	0	0	0	0	0	0	0	1	0	1	1	1	0	0	0	0
Mahaska	0	2	0	0	0	0	0	1	1	0	1	1	0	1	0	1	1	0	0
Marion	0	1	0	1	0	1	1	0	2	0	0	0	1	1	0	0	1	0	1
Marshall	1	0	1	0	1	1	0	0	1	1	0	2	0	0	1	0	2	1	1
Mills	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0
Mitchell	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Monona	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Monroe	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	1	0	0	0
Montgomery	0	3	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Muscatine	1	0	0	2	1	1	3	0	0	0	1	1	2	4	0	0	3	1	1
O'Brien	0	0	1	0	1	0	0	1	1	0	0	0	0	1	0	0	0	1	0
Osceola	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Page	0	0	0	0	0	0	1	1	0	1	1	0	0	0	1	0	0	0	3
Palo Alto	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Plymouth	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	2	1	0
Pocahontas	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
Polk	22	18	21	23	20	12	11	12	18	15	15	19	21	13	18	13	17	13	19
Pottawattamie	5	7	5	4	5	2	2	4	2	1	4	2	4	0	4	4	1	1	5
Poweshiek	0	1	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	1
Ringgold	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Sac	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	1	0	1
Scott	3	3	3	9	8	6	3	2	3	5	3	5	2	6	9	6	5	8	9
Shelby	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Sioux	1	0	0	1	0	0	1	2	0	0	0	0	1	1	0	0	0	0	0
Story	0	0	2	0	0	1	2	1	0	0	0	2	2	1	1	0	0	0	0
Tama	2	1	3	0	0	0	0	0	2	0	1	0	1	0	0	0	0	0	3
Taylor	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1
Union	0	1	0	1	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0
Van Buren	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0
Wapello	0	0	5	1	1	0	1	1	0	0	1	3	0	0	1	1	1	2	0
Warren	0	1	1	0	0	4	2	1	0	1	0	1	0	1	1	0	1	0	0
Washington	0	0	0	0	0	0	0	1	0	0	1	1	0	0	0	0	0	0	1
Wayne	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0
Webster	3	2	0	0	0	2	0	5	1	1	2	0	0	1	2	2	2	4	1
Winnebago	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Winneshiek	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Woodbury	2	6	1	3	4	3	3	7	1	6	1	3	4	0	2	6	2	4	1
Worth	1	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Wright	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0
State of Iowa	66	71	72	66	64	60	49	76	52	55	53	58	62	58	74	69	68	80	78

Table 4. Deaths to Residents Caused by Suicide in Iowa's Counties, 1980-1998.

County	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	2	1	1	0	0	1	1	3	1	2	1	2	3	0	1	2	0	2	1
Adams	1	0	0	0	0	1	1	0	0	1	1	0	0	0	2	1	0	0	0
Allamakee	6	1	2	0	2	2	0	1	1	1	2	5	4	3	2	1	2	0	3
Appanoose	0	3	1	3	1	1	1	2	3	4	2	2	2	0	4	0	4	1	3
Audubon	0	0	1	0	2	0	3	2	1	1	1	0	1	1	1	0	1	2	0
Benton	0	1	1	6	1	5	1	3	4	1	4	3	3	5	1	2	2	1	1
Black Hawk	12	22	10	11	12	18	14	12	12	13	16	16	14	16	17	15	12	15	13
Boone	2	2	3	7	1	4	1	3	3	1	3	3	3	4	3	2	3	0	4
Bremer	4	3	3	2	7	1	2	1	3	3	0	3	0	2	3	2	0	1	4
Buchanan	1	5	2	4	2	3	4	3	4	1	2	2	1	2	7	1	2	3	3
Buena Vista	2	3	1	2	1	4	1	2	0	1	2	1	2	3	5	2	0	1	0
Butler	0	3	0	1	1	1	1	1	2	2	2	3	3	2	1	2	0	1	0
Calhoun	1	2	0	1	1	2	2	2	1	2	1	3	0	0	2	1	4	1	1
Carroll	0	4	2	3	2	4	2	3	3	6	2	2	2	1	2	3	2	2	3
Cass	1	3	2	3	0	0	0	2	1	2	1	2	5	1	1	5	1	1	2
Cedar	2	5	0	2	2	0	2	4	1	2	1	2	4	2	4	2	1	3	0
Cerro Gordo	6	4	4	7	6	6	3	5	5	6	3	9	4	9	2	5	8	4	4
Cherokee	2	1	3	3	1	3	4	4	1	0	0	3	2	2	1	1	1	1	1
Chickasaw	0	3	2	0	4	1	2	1	1	0	2	3	1	2	1	1	0	0	2
Clarke	2	0	1	1	0	3	1	2	1	2	2	2	0	0	1	0	3	0	2
Clay	2	1	3	1	2	1	0	0	1	1	0	0	1	1	2	2	0	3	3
Clayton	1	6	4	1	1	2	5	5	2	0	2	3	4	4	3	2	0	4	3
Clinton	5	5	11	7	7	7	4	2	6	3	5	9	11	6	11	6	6	9	7
Crawford	1	0	0	2	0	2	2	2	3	3	0	0	1	2	1	2	2	0	2
Dallas	4	1	2	5	3	3	7	10	2	5	3	4	4	4	2	3	7	4	3
Davis	1	0	1	1	0	2	4	0	0	0	0	0	1	0	0	1	0	4	2
Decatur	2	1	3	0	0	4	2	2	0	0	1	1	1	3	0	0	0	0	0
Delaware	1	5	0	2	4	1	0	5	1	1	1	3	2	2	3	5	0	1	0
Des Moines	6	5	6	5	12	9	3	8	6	6	5	12	7	2	3	5	7	6	4
Dickinson	5	3	1	0	2	1	1	1	2	1	3	1	7	3	1	5	1	1	0
Dubuque	9	13	11	8	7	9	12	11	6	9	11	12	5	9	7	12	8	6	10
Emmet	1	2	1	1	2	0	1	1	2	1	1	1	0	1	4	0	0	1	8
Fayette	2	4	2	0	2	3	1	4	2	3	2	7	2	3	1	3	4	6	3
Floyd	0	1	5	6	1	2	2	3	1	2	1	4	0	3	0	1	2	3	0
Franklin	0	0	1	1	1	1	0	0	3	0	0	2	1	1	1	0	0	2	1
Fremont	1	1	1	1	2	0	1	1	1	3	2	1	1	1	2	0	0	0	0
Greene	0	3	2	0	1	1	2	0	1	3	1	4	1	2	1	3	1	0	4
Grundy	3	1	1	2	4	1	0	1	1	2	3	0	2	3	2	1	1	0	2
Guthrie	1	3	2	0	3	1	3	0	2	2	1	0	3	3	2	2	3	1	3
Hamilton	2	2	1	3	2	3	2	5	1	4	4	3	3	3	3	0	1	1	0
Hancock	0	2	1	1	1	1	2	2	0	1	3	2	1	1	3	1	0	1	2
Hardin	4	3	2	0	3	0	1	0	1	0	1	2	1	2	1	0	6	0	1
Harrison	0	1	5	2	1	2	0	3	0	2	2	1	2	1	3	1	3	4	1
Henry	0	1	2	0	2	2	4	2	2	4	3	1	0	1	7	3	1	6	1
Howard	2	1	0	0	0	0	0	1	1	0	0	0	0	1	1	2	1	0	0
Humboldt	0	3	3	1	4	3	1	0	0	1	0	2	0	1	3	0	3	0	3
Ida	0	1	1	0	0	1	2	1	1	1	1	0	0	0	3	1	1	0	1
Iowa	1	0	2	3	2	1	1	4	1	1	1	2	3	1	1	0	1	0	2
Jackson	8	2	5	2	1	3	3	3	3	2	1	3	2	2	4	2	3	4	1
Jasper	4	3	2	1	4	2	2	7	4	4	3	3	6	4	3	3	2	1	5

Table 4. Deaths to Residents Caused by Suicide in Iowa's Counties, 1980-1998 (continued).

County	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Jefferson	5	5	4	3	2	3	0	1	6	0	2	2	2	1	2	2	0	0	2
Johnson	14	13	7	7	11	8	7	10	9	3	11	12	10	14	7	4	6	11	8
Jones	5	2	2	1	4	1	2	1	8	4	2	3	1	4	1	2	1	2	4
Keokuk	1	0	3	1	2	3	4	1	2	1	0	2	1	2	0	1	2	3	1
Kossuth	1	1	2	2	0	1	0	0	2	2	0	4	1	1	1	3	3	2	2
Lee	2	7	6	4	8	6	2	6	3	2	2	6	5	7	4	4	4	4	4
Linn	25	25	18	12	22	22	17	25	24	20	30	28	27	16	19	13	20	22	20
Louisa	1	0	4	4	1	0	2	1	4	1	3	3	1	3	6	1	0	3	0
Lucas	3	0	0	2	3	1	3	1	1	2	3	4	1	0	2	0	2	1	4
Lyon	2	0	1	0	0	1	1	1	1	1	0	1	2	0	4	3	0	0	5
Madison	4	2	2	3	1	1	1	0	0	2	1	0	2	1	4	1	3	1	1
Mahaska	1	1	2	0	3	2	3	0	4	2	2	1	5	2	2	7	1	2	2
Marion	0	4	4	7	1	1	2	2	3	5	2	7	6	3	6	6	2	3	5
Marshall	3	7	2	5	9	3	6	4	6	1	6	6	12	5	5	6	7	5	3
Mills	1	2	0	3	3	2	0	1	2	0	2	1	0	1	0	2	1	3	1
Mitchell	2	1	3	0	1	1	2	2	2	4	0	0	0	1	0	4	1	2	2
Monona	3	0	1	2	1	1	1	0	2	0	2	0	4	1	1	0	0	0	1
Monroe	2	2	4	3	0	1	0	0	3	2	0	1	0	0	1	0	2	0	1
Montgomery	2	1	1	3	2	2	2	0	1	4	1	2	3	2	2	3	5	0	3
Muscatine	5	3	2	5	7	6	5	4	8	2	4	7	5	4	3	6	7	2	1
O'Brien	1	1	0	3	1	1	2	3	4	0	0	0	2	3	1	2	3	0	0
Osceola	0	1	1	1	1	1	0	1	1	1	1	1	3	2	0	0	0	2	1
Page	1	2	1	4	0	0	3	3	1	2	1	0	3	0	2	1	0	2	1
Palo Alto	3	1	1	1	0	1	0	0	0	0	2	0	2	0	0	1	2	3	0
Plymouth	1	3	1	4	0	0	2	3	3	2	2	6	2	3	1	3	2	0	0
Pocahontas	5	1	0	0	1	0	0	3	2	1	2	1	0	2	2	0	2	3	1
Polk	44	43	45	34	47	44	25	46	49	46	51	42	42	50	31	47	46	40	40
Pottawattamie	15	13	8	16	11	9	16	10	13	11	11	16	8	12	12	11	10	9	13
Poweshiek	4	1	6	1	1	4	1	1	1	3	3	2	0	0	2	4	3	2	2
Ringgold	0	0	0	1	0	1	0	2	3	0	0	0	1	1	1	0	0	0	0
Sac	1	0	2	3	3	1	1	0	2	2	1	1	3	0	0	1	2	1	
Scott	21	15	12	22	21	13	21	17	13	19	16	31	27	20	22	28	13	25	36
Shelby	1	4	0	2	0	1	1	2	4	1	2	1	1	2	2	2	0	2	2
Sioux	1	0	3	1	1	2	0	1	1	0	2	1	2	3	3	2	0	0	0
Story	9	12	5	8	7	5	3	5	6	6	5	8	5	6	6	3	9	4	3
Tama	2	4	2	6	4	5	0	1	0	1	2	2	3	3	3	5	3	3	1
Taylor	1	1	2	2	0	0	0	1	3	3	2	3	1	2	2	2	1	0	1
Union	2	1	3	1	1	5	2	2	3	1	0	3	0	1	3	1	1	1	2
Van Buren	2	0	1	0	0	1	0	1	0	1	2	0	4	3	1	4	0	0	1
Wapello	2	5	5	7	7	6	2	2	4	4	3	5	7	5	5	7	7	4	4
Warren	2	0	8	7	3	2	5	3	3	6	3	5	3	5	5	1	3	2	5
Washington	0	3	3	2	2	4	7	1	2	3	1	3	1	3	1	3	0	2	1
Wayne	1	0	2	0	0	1	3	1	1	0	1	1	2	1	1	0	0	0	0
Webster	5	4	7	5	2	1	6	6	7	7	5	6	11	3	5	3	10	7	4
Winnebago	0	0	1	2	0	1	1	0	1	0	2	2	1	2	1	1	1	2	0
Winneshiek	0	0	2	0	1	3	2	5	3	2	2	3	3	3	3	2	0	4	2
Woodbury	11	11	10	19	4	11	7	12	9	12	12	14	12	7	17	10	11	11	9
Worth	1	2	2	4	2	0	0	1	0	3	0	0	1	0	2	1	2	0	0
Wright	0	1	0	1	1	1	3	1	2	3	1	2	2	0	3	0	1	0	2
State of Iowa	328	345	321	336	322	318	287	334	336	314	317	398	366	335	346	326	308	303	321

Table 5. Deaths to Teen-Aged Residents Caused by Suicide in Iowa's Counties, 1980-1998 (continued).

County	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Jefferson	0	0	0	0	0	0	0	1	1	0	1	0	0	0	1	0	0	0	0
Johnson	0	0	2	1	0	0	1	0	0	0	1	0	1	2	1	0	1	0	0
Jones	0	0	1	0	0	1	1	0	2	0	0	0	0	0	0	0	0	0	1
Keokuk	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0
Kossuth	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Lee	0	1	3	1	1	0	0	0	0	0	0	2	0	0	0	0	0	0	1
Linn	2	3	1	3	2	1	0	1	0	0	3	4	3	2	2	1	1	2	2
Louisa	0	0	0	1	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Lucas	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lyon	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
Madison	0	1	0	1	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0
Mahaska	0	0	0	0	0	0	1	0	0	1	0	0	1	0	0	0	1	0	0
Marion	0	0	0	0	0	0	0	0	0	1	0	2	1	0	0	1	0	0	0
Marshall	0	0	1	1	0	1	0	0	1	0	2	0	1	0	0	0	1	0	0
Mills	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mitchell	1	0	1	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0
Monona	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Monroe	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
Montgomery	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Muscatine	0	1	0	0	1	2	2	1	1	0	1	0	0	2	0	1	0	1	0
O'Brien	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Osceola	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Page	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
Palo Alto	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
Plymouth	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	1	0	0	0
Pocahontas	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0
Polk	3	2	3	1	8	2	0	4	4	6	7	3	2	4	6	6	2	3	1
Pottawattamie	0	1	1	2	0	0	0	1	1	1	0	0	0	1	0	1	2	1	0
Poweshiek	0	1	1	0	1	1	1	0	0	1	0	0	0	0	1	0	0	0	0
Ringgold	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0
Sac	1	0	0	0	1	0	1	0	0	0	0	0	1	0	0	0	0	0	0
Scott	0	1	2	2	2	0	3	2	2	3	3	2	3	1	2	1	3	1	5
Shelby	0	0	0	1	0	0	0	0	1	0	0	1	0	0	0	1	0	0	0
Sioux	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0
Story	0	4	0	0	2	1	1	0	0	0	0	1	0	2	0	1	1	0	0
Tama	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	1	0
Taylor	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	1	0	0	0
Union	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
Van Buren	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wapello	1	1	0	3	0	1	1	0	0	1	1	0	1	0	0	1	3	0	0
Warren	1	0	0	1	2	0	0	0	0	1	0	0	2	0	2	0	0	2	0
Washington	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0
Wayne	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Webster	0	0	1	0	0	0	1	0	1	1	1	0	2	0	0	1	0	0	0
Winnebago	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	1	0	0	0
Winneshiek	0	0	0	0	0	1	0	1	0	0	0	0	0	1	0	0	0	0	0
Woodbury	1	0	0	2	1	1	1	2	1	1	0	0	2	1	0	1	0	1	1
Worth	0	0	0	0	1	0	0	0	0	1	0	0	0	0	1	0	0	0	0
Wright	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
State of Iowa	25	29	27	34	41	24	24	26	27	31	31	28	40	31	31	32	30	24	21

and another 11 counties had only one. Polk (22) had the most and was the only county with more than five homicide deaths that year.

From 1980 through 1998, 1,231 Iowans died by homicide. Of these, 320 were Polk residents, 98 were from Scott, 69 each from Black Hawk and Linn, 62 from Pottawattamie, and 59 from Woodbury. These six counties accounted for half (55.0%) of all of Iowa's homicides during these 19 years. Eight counties had no homicides from 1980 through 1998, while 21 counties had one or two residents who died in this manner.

Deaths Due to Suicide

Iowa recorded 328 suicides in 1998, a number substantially lower than the 1987 high of 398 (Table 4, Figure 1). Polk (44) was the only county with at least 30 suicides in 1998. A large majority (86) of the counties had five or fewer; of these, 21 had no suicides in 1998.

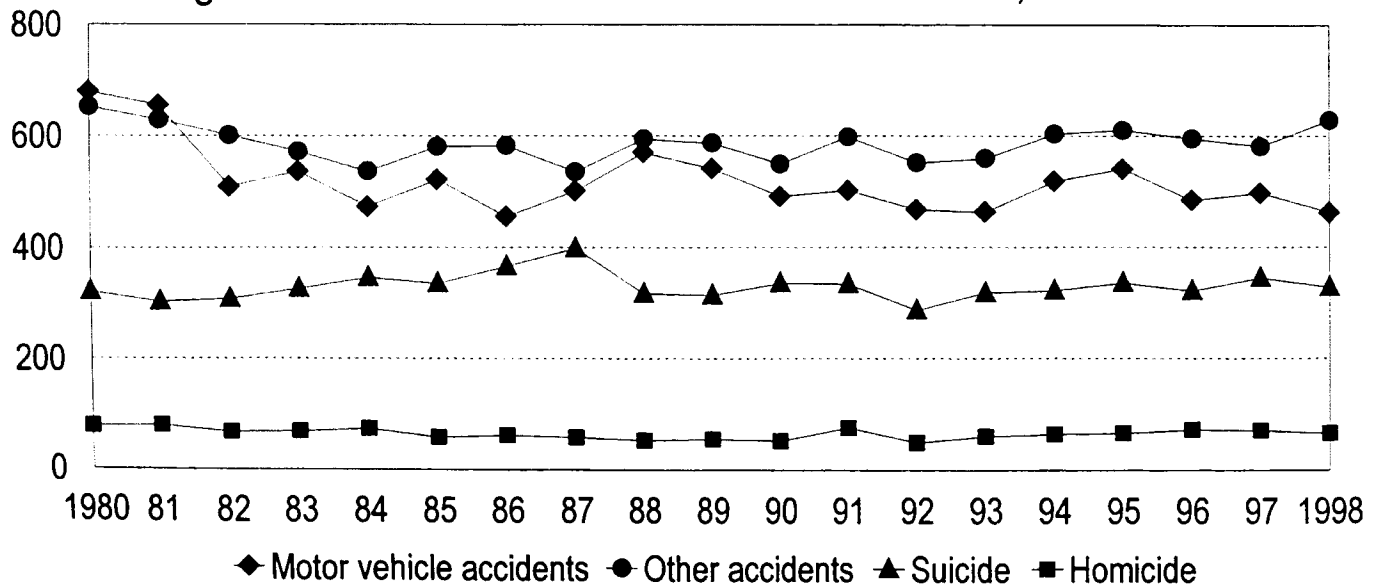
A total of 6,261 Iowans committed suicide from 1980 through 1998. At least 100 occurred to residents in 14 counties. Adams (8) had the lowest total for the 19 years.

Information also is available on the number of teenagers (19 years of age or younger) who committed suicide (Table 5). These vary from a low of 21 in 1980 to a high of 41 in 1994 during the 1980-1998 period. The 556 suicides by teenagers from 1980 through 1998 accounted for less than 10 percent of all suicides during that period.

In 1998, 25 suicides of teenagers were recorded in Iowa. Polk had three; Allamakee and Linn each had two. Eighteen other counties each had one. In the 19 years noted in Table 5, only Black Hawk, Dubuque, Linn, Polk, and Scott averaged at least one teenage suicide per year (total of 19 or more suicides). Cerro Gordo, Clinton, Des Moines, Johnson, Muscatine, Pottawattamie, Story, Wapello, Warren, and Woodbury were the only others with at least 10 suicides committed by teenagers from 1980 through 1998. No such deaths were recorded in Butler, Cass, Chickasaw, Davis, Howard, Iowa, Montgomery, O'Brien, Osceola, and Wayne counties during that period.

Note: See an annual publication called VITAL STATISTICS OF IOWA for more detailed data on deaths (Iowa Department of Public Health, Lucas State Office Building, Des Moines, IA 50319).

Figure 1. Deaths due to selected causes in Iowa, 1980-1998.



Injuries and Fatalities on Farms in Iowa's Counties: 1990-1998

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Information on injuries and fatalities occurring on Iowa's farms is collected annually by the Iowa Department of Public Health through its Sentinel Project Researching Agricultural Injury Notification Systems. The first year for which data were gathered was 1990.

Injuries on Farms

In 1998, 1,685 work-related injuries occurred on farms in Iowa (Table 1). The number of injuries increased between 1990-1992, 1993-1994, and 1996-1998; declines occurred between 1992-1993 and 1994-1996 (Figure 1). Across these years, 17,272 such injuries occurred or an average of nearly 2,000 a year.

Wright was the only county listing at least 50 work-related injuries on farms in 1998, although Buchanan, Crawford, Washington, and Winneshiek reported 40-49 of these injuries. Thirty-two counties had fewer than 10.

Fatalities on Farms

In 1998, 42 farm-related fatalities occurred in Iowa. The 1998 figure was half that for 1990, which represents a dramatic reduction in such deaths (Figure 2).

Of the 35 counties that had fatalities, two (Crawford, Van Buren) reported three fatalities, three (Buena Vista, Ida, Webster) each had two farm fatalities, and the other 30 had one each. From 1990 through 1998, 545 farm-related deaths took place in the state. All counties had at least one farm-related fatality. Nine counties (Clayton, Crawford, Delaware, Jackson, Jasper, Kossuth, Marion, Pottawattamie, Sioux) had at least 10. When single years were examined, no county had more than five farm-related fatalities in any one year.

Note: Additional information is available from the Iowa Department of Public Health (Lucas State Office Building, Des Moines, IA 50319).

Table 1. Farm-Related Injuries and Fatalities in Iowa's Counties, 1990-1998.

County	Work-Related Farm Injuries									Farm Fatalities								
	1998	1997	1996	1995	1994	1993	1992	1991	1990	1998	1997	1996	1995	1994	1993	1992	1991	1990
Adair	3	3	5	4	8	8	24	30	12	0	1	0	0	1	1	1	1	0
Adams	11	6	14	16	14	17	28	11	26	0	1	0	1	0	0	2	0	0
Allamakee	17	32	31	31	24	36	24	39	17	1	0	1	0	0	0	0	2	1
Appanoose	2	3	2	8	3	5	10	5	4	1	1	0	1	0	0	0	0	2
Audubon	5	8	11	10	23	7	15	4	7	0	0	0	0	1	0	2	0	0
Benton	17	20	11	11	11	14	46	10	16	1	0	0	1	2	1	0	0	1
Black Hawk	32	30	26	41	55	24	55	43	7	0	0	0	0	0	1	1	1	2
Boone	3	7	9	10	8	13	7	19	10	0	1	0	0	0	1	1	0	0
Bremer	20	22	33	37	34	23	43	36	25	0	0	0	0	2	0	2	0	0
Buchanan	42	50	61	67	71	51	77	46	32	0	1	1	2	1	1	1	0	0
Buena Vista	35	6	1	6	1	2	6	4	17	2	0	0	1	0	0	1	0	0
Butler	26	31	24	33	26	13	20	22	26	1	1	0	1	0	0	1	0	0
Calhoun	8	3	2	0	13	12	6	7	17	1	1	0	0	0	1	0	2	0
Carroll	13	24	24	19	24	9	12	4	23	0	2	1	1	0	1	0	0	0
Cass	18	20	19	21	27	31	25	34	39	0	1	1	1	1	0	0	1	2
Cedar	10	4	11	15	10	11	20	14	17	0	0	0	0	3	0	0	0	0
Cerro Gordo	28	29	1	4	0	3	14	6	12	0	0	0	1	0	0	1	0	0
Cherokee	9	6	8	17	27	7	4	1	7	0	0	0	2	0	0	0	1	3
Chickasaw	19	8	13	10	11	27	20	23	15	0	1	1	0	0	0	1	1	1
Clarke	5	3	4	13	18	9	17	1	5	0	0	1	0	1	0	1	3	2
Clay	7	20	20	15	4	21	17	13	11	0	0	0	0	0	2	1	0	0
Clayton	30	30	34	25	28	30	38	31	14	0	0	1	1	2	2	5	4	1
Clinton	12	13	14	14	14	21	24	7	24	1	0	1	1	1	1	0	2	1
Crawford	48	44	34	25	35	53	45	59	67	3	2	1	1	1	1	3	0	2
Dallas	7	3	2	3	5	10	8	4	4	0	0	0	0	0	1	0	0	0
Davis	6	4	15	17	24	22	31	27	13	1	0	1	2	1	0	1	1	2
Decatur	4	5	5	1	6	8	7	9	18	0	2	1	0	2	2	1	1	0
Delaware	26	16	27	19	16	15	34	31	44	0	0	3	0	2	0	2	3	2
Des Moines	10	7	15	12	2	9	13	10	5	0	0	0	1	0	2	2	0	1
Dickinson	5	5	5	4	4	6	12	4	14	0	0	0	0	0	1	0	0	1
Dubuque	32	20	13	35	48	64	62	67	70	1	0	0	1	2	0	0	1	2
Emmet	13	15	22	11	15	1	6	17	19	0	0	1	0	2	0	0	1	0
Fayette	39	46	61	51	57	66	71	40	37	0	0	0	1	0	1	1	0	2
Floyd	14	15	6	13	16	16	11	15	15	1	0	1	0	1	0	2	0	0
Franklin	13	20	15	18	17	12	11	16	13	0	0	0	2	2	0	0	1	0
Fremont	6	6	2	1	17	10	7	6	9	0	0	0	0	2	2	0	0	0
Greene	7	14	14	7	14	24	39	26	33	0	1	0	1	0	0	1	1	0
Grundy	13	21	16	18	20	5	12	24	16	0	0	0	1	0	0	0	0	0
Guthrie	19	11	5	4	13	10	22	16	12	0	0	0	0	0	0	1	0	0
Hamilton	4	7	8	5	6	10	14	16	2	0	1	0	0	0	1	0	1	0
Hancock	25	34	20	22	13	23	32	33	29	1	0	0	0	0	1	0	0	1
Hardin	8	11	9	14	18	18	11	18	20	1	0	0	2	0	0	0	1	0
Harrison	22	27	29	19	33	31	26	7	7	1	0	0	0	1	0	0	0	1
Henry	12	1	6	14	12	3	16	17	18	0	0	2	2	0	0	3	2	0
Howard	39	24	40	22	32	35	47	38	8	0	0	1	0	0	1	0	2	0
Humboldt	21	18	24	47	47	66	42	17	4	0	0	0	0	0	0	0	0	1
Ida	6	5	5	4	0	4	22	10	5	2	1	0	0	0	0	0	0	1
Iowa	18	27	17	29	18	39	36	44	38	0	1	0	0	0	0	0	0	2
Jackson	25	22	12	6	16	19	14	13	34	1	1	0	1	1	1	4	5	2
Jasper	14	15	39	20	28	13	37	30	29	0	2	3	0	2	0	4	1	0

^aNot Available.

Table 1. Farm-Related Injuries and Fatalities in Iowa's Counties, 1990-1998 (continued).

County	Work-Related Farm Injuries									Farm Fatalities								
	1998	1997	1996	1995	1994	1993	1992	1991	1990	1998	1997	1996	1995	1994	1993	1992	1991	1990
Jefferson	16	10	21	16	28	27	22	32	19	0	0	0	1	1	0	1	0	0
Johnson	28	30	22	22	21	32	41	38	41	1	0	1	0	1	0	2	0	1
Jones	27	19	16	11	28	19	18	26	37	0	0	1	1	1	3	0	1	1
Keokuk	14	19	30	24	32	40	45	28	36	0	0	2	0	2	1	0	0	0
Kossuth	14	18	11	18	16	19	13	22	25	1	2	1	1	0	1	1	1	2
Lee	34	17	31	40	40	32	34	36	17	1	0	0	0	0	1	0	0	1
Linn	11	11	13	9	19	7	35	15	17	0	2	0	1	1	0	1	0	1
Louisa	4	5	9	6	9	6	9	5	5	1	0	1	1	0	0	1	0	0
Lucas	. ^a	5	11	9	12	3	3	11	3	. ^a	0	0	0	1	1	0	0	0
Lyon	5	11	11	12	19	25	14	21	24	0	0	2	0	0	0	0	2	1
Madison	4	1	7	7	19	7	9	15	5	0	0	0	1	0	0	0	3	0
Mahaska	14	23	16	23	31	31	39	25	13	0	1	0	0	0	0	1	0	1
Marion	2	6	13	21	19	25	14	21	9	0	1	3	2	2	1	0	2	3
Marshall	26	26	28	52	41	22	26	21	12	0	0	0	0	3	0	1	0	1
Mills	8	3	1	1	2	6	11	21	6	0	0	0	0	0	0	0	1	0
Mitchell	24	7	9	19	6	11	26	20	. ^a	1	1	3	0	0	1	2	0	. ^a
Monona	19	4	7	5	12	8	2	27	8	0	0	2	0	0	2	0	0	2
Monroe	8	17	4	10	7	28	30	37	26	0	0	0	2	0	0	0	1	1
Montgomery	7	11	2	5	8	1	24	22	15	0	0	0	0	0	0	2	1	0
Muscatine	18	10	14	18	16	12	21	12	9	1	0	2	1	2	1	0	0	0
O'Brien	13	32	16	33	24	39	38	42	39	0	1	1	0	0	0	0	0	0
Osceola	29	24	. ^a	32	30	2	7	10	13	0	1	. ^a	1	0	0	2	0	1
Page	7	14	7	5	20	23	19	12	15	1	0	1	0	0	1	0	0	0
Palo Alto	17	1	5	5	3	5	10	10	20	1	0	0	2	0	0	0	0	1
Plymouth	24	29	6	22	11	8	22	16	14	0	1	0	1	1	1	2	1	2
Pocahontas	12	5	6	19	14	12	15	10	15	0	0	0	0	0	0	0	0	2
Polk	1	2	2	2	3	4	7	3	3	1	0	0	0	0	2	0	0	1
Pottawattamie	30	19	7	14	24	32	35	35	17	1	1	0	1	1	3	5	3	4
Poweshiek	36	40	40	33	43	44	36	48	64	1	1	0	1	1	0	2	1	0
Ringgold	14	18	23	20	20	22	23	20	22	0	1	0	0	1	0	1	0	2
Sac	26	10	17	6	18	14	24	8	24	0	1	0	1	0	0	2	0	0
Scott	28	. ^a	1	3	7	14	2	5	4	0	. ^a	0	0	1	0	0	0	0
Shelby	31	29	13	13	12	13	12	27	38	0	0	0	2	1	0	0	1	3
Sioux	38	47	22	76	103	60	84	99	69	0	3	0	1	3	0	1	1	1
Story	9	11	30	11	6	15	42	28	18	0	1	0	0	0	2	1	1	0
Tama	28	25	27	42	43	18	42	41	14	0	1	0	2	1	0	0	3	1
Taylor	6	8	10	12	19	25	16	6	9	0	0	0	0	0	0	0	1	0
Union	2	5	5	2	4	12	8	10	11	0	0	0	0	1	0	0	0	0
Van Buren	14	9	13	15	24	20	34	26	29	3	1	1	1	0	0	0	1	1
Wapello	4	7	8	6	32	32	35	28	24	0	0	0	0	0	0	0	1	0
Warren	2	2	5	3	5	4	8	4	10	1	0	2	0	2	0	2	1	1
Washington	40	27	35	35	56	48	56	32	35	0	1	0	1	0	0	4	0	1
Wayne	26	12	10	16	24	29	25	51	13	1	1	0	0	1	0	0	0	0
Webster	6	4	4	11	15	29	68	8	2	2	0	0	0	2	1	2	0	0
Winnebago	12	12	5	2	1	3	19	8	9	1	0	0	0	0	2	1	2	0
Winneshiek	41	61	85	95	98	83	113	93	39	1	2	1	0	0	0	0	0	5
Woodbury	16	25	13	5	2	8	11	7	6	1	1	1	0	1	0	0	0	4
Worth	10	16	3	2	2	. ^a	4	3	3	0	0	0	0	0	. ^a	0	1	1
Wright	52	73	49	38	12	6	16	12	8	1	2	0	0	1	1	0	0	2
State of Iowa	1685	1641	1587	1774	2046	1971	2507	2181	1880	42	49	47	54	66	51	83	69	84

Figure 1. Work-related injuries on farms in Iowa, 1990-1998.

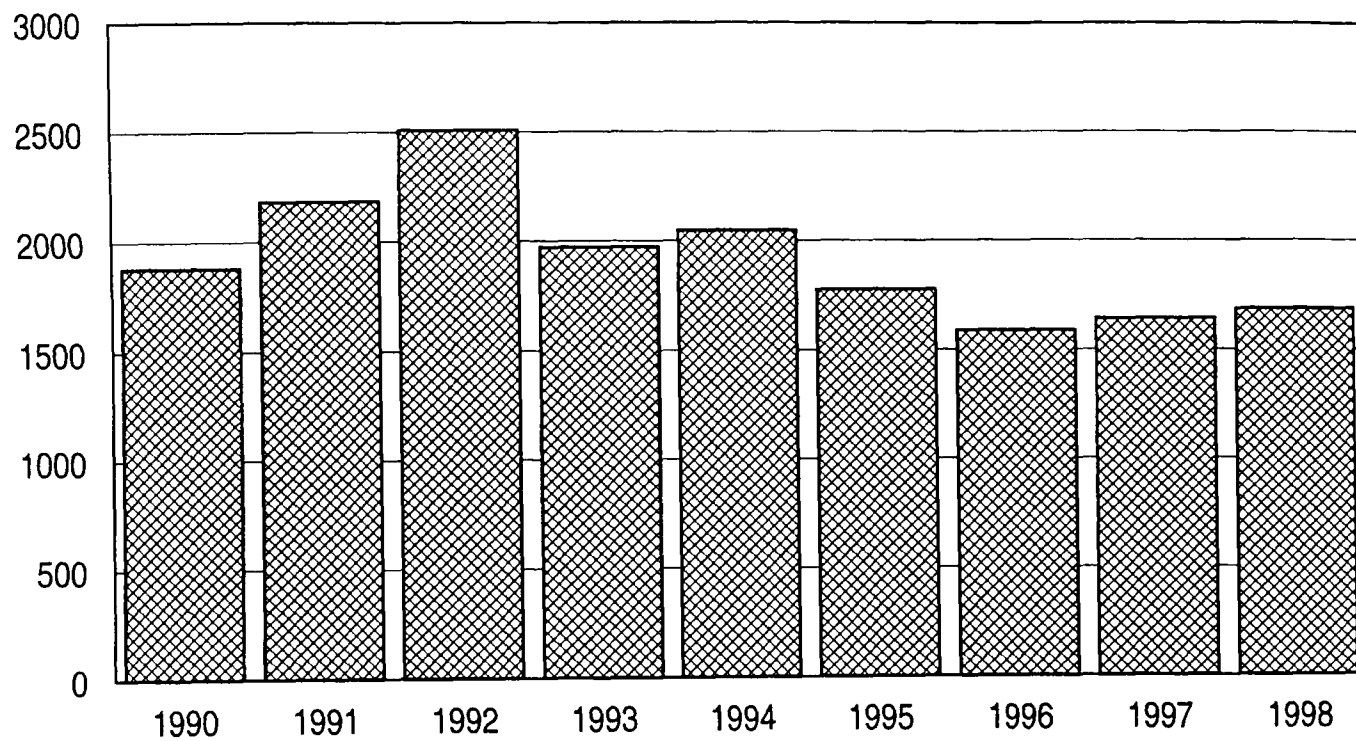
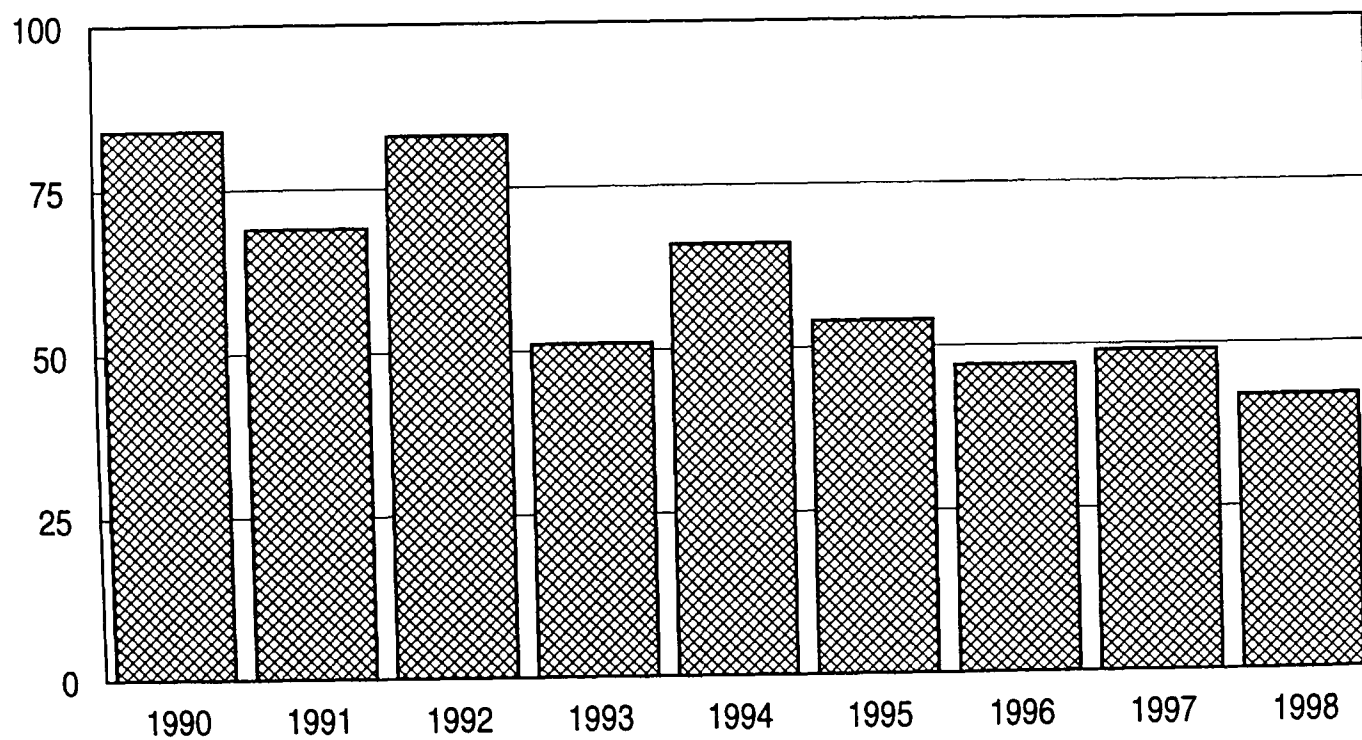


Figure 2. Farm-related fatalities in Iowa, 1990-1998.



Marriages and Dissolutions in Iowa's Counties:

1978-1998

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Marriages and dissolutions for Iowa and its counties are recorded annually by the Iowa Department of Public Health. Both marriages and dissolutions are counted according to the county in which they occur. Dissolutions are, for the most part, divorces, although annulments also are included.

Marriages

Iowa recorded 21,609 marriages in 1998, 300 fewer than in 1997 (Table 1, Figure 1). This was the 15th time since 1978 that there had been a decrease in marriages over the previous year; declines occurred each year from 1978 to 1981, 1982 to 1987, 1989 to 1993, 1994 to 1995, and 1996 to 1998. The largest year-to-year drop of the period was between 1984 and 1985 (-1,788).

In 1998, Polk's 2,876 marriages constituted the highest number in any county. Linn and Scott also had more than 1,000 marriages that year. Forty-three counties had fewer than 100 marriages in 1998, with counts less than 50 in Adair, Adams, Decatur, Lucas, Monroe, Osceola, Ringgold, Taylor, and Worth.

Fifty-two of the counties followed the state trend with fewer marriages in 1998 than in 1997. Linn, Marshall, Polk, and Woodbury decreased by at least 50. The greatest gains occurred in Chickasaw (+64) and Scott (+85), the only counties increasing by more than 50 marriages.

Nearly 3,500 fewer marriages occurred in Iowa in 1998 than in 1988. Seventy-nine counties mirrored this trend. Eight (Chickasaw, Clinton, Des Moines, Dubuque, Linn, Polk, Pottawattamie, Scott) had at least 100 fewer marriages in 1998 than in 1988. Increases occurred in 19 counties, although none was greater than 50. When 1978 and 1998 were examined, the decline in the state was even greater; 6,400 more marriages were counted at the beginning of the period than at the end.

Dissolutions

There were 9,880 dissolutions in Iowa in 1998. This was the second consecutive year that the total was less than 10,000; that hadn't occurred since 1974. Between 1978 and 1998, there were 10 times when dissolutions increased compared with the previous year and 10 times when dissolutions decreased (Table 2, Figure 1). Most of these year-to-year changes were modest, but between 1981 and 1982 there was a decline in dissolutions of 1,202. This large decrease followed the year (1981) in which the number of dissolutions was the highest ever recorded in Iowa. The increase of 168 between 1997 and 1998 was one of the smaller changes between adjacent years.

Dissolutions were highest in 1998 in Polk, the only county with more than 1,000. Other counties with at least 300 dissolutions that year were Dubuque, Linn, Pottawattamie, Scott, and Woodbury. Fifty-one counties reported fewer than 50.

Between 1997 and 1998, the number of dissolutions increased in 56 counties and decreased in 39. Increases were 10 or more in 27 counties, with only the gain of 66 in Linn greater than 50. Among the counties with fewer dissolutions in 1998 than in 1997, 24 declined by 10 or less. The largest drop occurred in Polk, the only county where the number of dissolutions declined by at least 50.

Table 1. Marriages in Iowa's Counties, 1978-1998.

County	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978
Adair	47	37	57	37	59	34	43	49	63	49	59	51	58	62	82	54	60	74	57	50	79
Adams	36	27	42	33	29	31	20	24	24	35	41	38	40	43	38	34	45	43	36	46	51
Allamakee	102	105	119	124	129	121	123	110	134	133	118	115	121	133	150	144	139	150	149	176	201
Appanoose	132	106	129	100	130	129	131	121	157	113	112	104	115	125	112	130	106	119	129	145	134
Audubon	50	36	45	31	42	49	47	45	48	48	65	54	42	49	71	82	74	70	64	65	59
Benton	143	147	153	141	150	174	159	150	156	157	153	168	178	160	169	163	158	189	190	182	206
Black Hawk	945	954	961	1002	974	1007	865	935	1074	1097	958	948	913	1044	1066	1130	1115	1144	1256	1289	1286
Boone	170	178	177	191	164	179	196	208	179	202	224	192	194	216	209	205	209	224	235	247	259
Bremer	181	179	180	173	160	182	183	162	169	203	186	196	167	175	209	206	198	191	224	249	216
Buchanan	167	147	163	138	140	162	159	178	174	174	165	141	147	183	170	220	206	213	216	219	224
Buena Vista	124	164	143	163	136	150	167	149	164	165	164	155	163	180	171	188	189	173	207	210	189
Butler	85	94	93	91	92	87	98	111	97	81	101	113	103	107	123	127	124	134	122	133	145
Calhoun	76	52	72	70	67	65	72	70	80	71	69	77	84	76	110	93	99	119	117	113	113
Carroll	145	150	151	170	178	155	155	147	189	191	177	187	167	163	206	232	247	214	240	223	234
Cass	99	110	111	119	114	109	122	119	150	141	141	117	126	145	181	162	181	187	160	167	173
Cedar	103	109	119	125	118	129	153	117	139	121	118	122	117	103	134	140	148	176	156	135	144
Cerro Gordo	330	333	364	371	365	347	375	384	406	371	346	327	357	375	361	388	448	395	411	443	486
Cherokee	95	107	101	95	96	94	94	125	94	107	112	102	105	105	124	139	152	164	136	134	142
Chickasaw	644	580	611	623	601	690	630	721	806	751	800	741	775	791	897	963	915	910	850	874	961
Clarke	55	48	60	65	68	55	53	67	59	73	53	54	48	58	64	94	66	56	72	81	89
Clay	119	107	88	111	103	110	127	130	162	123	159	119	104	132	143	149	149	178	144	178	196
Clayton	131	136	139	150	121	136	155	141	149	162	160	144	151	154	166	164	182	186	204	183	197
Clinton	421	415	425	414	461	400	437	464	447	591	677	454	454	554	571	540	624	553	560	605	615
Crawford	118	122	149	146	141	132	128	142	131	119	141	134	144	135	152	176	142	149	163	144	151
Dallas	255	245	255	265	237	230	175	219	229	228	208	213	216	227	248	252	206	250	230	270	270
Davis	70	59	51	60	61	66	72	58	57	69	53	61	73	57	72	68	85	74	68	68	83
Decatur	45	60	88	61	66	59	81	60	67	66	70	80	72	80	75	74	71	75	81	82	84
Delaware	106	118	107	135	132	118	127	116	137	149	159	162	146	140	162	162	177	141	191	181	181
Des Moines	332	344	401	377	366	380	427	460	487	572	532	425	415	402	491	449	516	477	457	513	480
Dickinson	146	132	150	147	152	141	149	158	130	147	133	136	111	135	150	153	133	144	122	138	141
Dubuque	721	745	758	806	879	796	865	875	888	938	968	887	864	894	920	886	966	917	949	954	1003
Emmet	83	101	87	79	87	78	81	93	107	87	86	109	100	96	115	95	116	107	104	117	101
Fayette	140	127	152	147	132	156	169	160	193	185	175	157	177	185	182	181	225	219	201	222	247

Table 1. Marriages in Iowa's Counties, 1978-1998 (continued).

County	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978
Floyd	95	109	110	120	119	124	124	133	134	123	128	120	137	155	160	145	152	176	153	154	161
Franklin	69	70	67	69	71	75	70	89	73	73	78	80	60	87	100	89	92	116	79	98	89
Fremont	75	68	70	65	81	71	72	54	75	73	67	71	66	52	80	81	65	71	80	78	63
Greene	62	72	70	72	76	73	66	93	107	104	84	74	84	73	86	99	99	99	105	94	118
Grundy	64	63	70	69	82	80	60	72	76	91	83	62	82	92	101	94	102	90	91	96	89
Guthrie	91	80	96	85	80	82	85	82	106	87	98	85	92	75	92	92	98	97	112	119	103
Hamilton	111	105	100	123	136	123	143	124	129	148	126	132	127	125	146	158	181	146	170	156	161
Hancock	66	78	83	99	75	84	93	93	95	82	80	77	101	101	100	101	103	112	101	121	111
Hardin	107	139	128	150	145	153	140	137	136	153	150	135	174	172	207	174	172	195	195	203	182
Harrison	113	101	103	92	100	105	114	130	124	134	117	111	122	136	145	145	137	131	147	144	152
Henry	157	137	164	159	158	152	171	164	156	171	183	168	158	167	168	166	158	171	164	162	179
Howard	63	69	69	77	74	61	70	83	75	88	94	68	81	92	106	92	98	82	104	114	99
Humboldt	62	56	68	71	91	82	64	90	89	67	97	83	75	82	109	98	109	100	107	109	102
Ida	53	46	72	51	46	65	51	46	63	61	53	63	45	59	66	61	67	65	69	84	83
Iowa	93	92	97	81	104	90	123	110	129	106	113	85	87	102	118	134	116	145	138	110	136
Jackson	142	144	152	190	157	157	192	148	184	195	188	198	181	176	177	200	214	218	238	218	191
Jasper	235	269	284	271	269	264	264	260	289	271	289	295	273	298	296	290	319	307	344	359	339
Jefferson	119	145	122	136	129	140	171	150	158	155	159	142	139	144	170	184	198	156	144	171	160
Johnson	676	668	689	651	710	637	653	685	770	774	721	668	677	697	734	746	727	706	731	679	683
Jones	140	129	151	133	135	145	144	145	155	146	157	137	163	159	138	169	162	187	169	162	167
Keokuk	67	82	78	66	69	72	64	84	101	77	76	91	66	99	111	118	90	107	122	120	118
Kossuth	120	136	123	112	142	117	131	119	154	145	143	138	134	152	160	188	212	179	182	169	203
Lee	359	337	377	376	383	368	359	365	396	487	437	373	372	412	446	423	407	399	442	446	429
Linn	1331	1414	1422	1394	1436	1471	1516	1493	1525	1519	1505	1386	1365	1453	1507	1436	1532	1588	1562	1548	1487
Louisa	70	84	83	76	83	61	82	76	69	92	96	85	93	91	101	89	97	107	74	95	96
Lucas	37	72	67	58	55	46	66	64	70	64	83	59	77	72	89	98	97	68	95	93	118
Lyon	73	69	66	80	61	86	87	71	77	78	78	81	91	90	101	102	120	117	116	110	105
Madison	124	138	158	135	103	126	97	82	97	101	91	87	79	66	104	108	103	96	100	108	120
Mahaska	190	156	208	170	201	175	202	195	189	201	194	183	167	179	202	212	214	213	201	211	231
Marion	243	249	238	237	227	252	239	251	326	258	242	249	259	246	272	266	279	283	296	282	291
Marshall	284	353	350	364	343	330	353	339	341	346	349	298	302	339	365	360	402	371	378	380	349
Mills	77	96	88	83	94	96	80	92	105	98	98	69	81	82	107	134	135	115	101	105	104
Mitchell	65	66	69	70	65	77	68	75	93	80	77	61	80	93	111	103	99	127	101	107	139

Table 1. Marriages in Iowa's Counties, 1978-1998 (continued).

County	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978
Monona	64	47	70	68	61	82	72	86	83	85	82	72	75	72	87	94	116	89	127	117	98
Monroe	48	70	57	72	83	72	63	68	73	61	65	61	67	77	76	81	77	85	83	100	70
Montgomery	92	95	105	93	96	104	100	113	99	97	106	90	84	103	101	141	111	117	105	127	113
Muscatine	389	383	406	422	322	410	355	402	421	429	373	340	415	383	375	412	444	454	398	397	396
O'Brien	91	105	107	96	111	107	109	97	120	124	113	88	107	119	112	122	139	149	139	158	148
Osceola	44	53	43	47	44	51	46	55	58	66	57	53	42	47	51	59	73	64	58	81	71
Page	102	110	123	108	130	146	130	111	144	107	136	136	136	137	163	148	170	136	154	186	174
Palo Alto	77	58	70	71	69	61	70	94	87	73	78	87	92	97	96	105	108	115	131	145	101
Plymouth	141	146	154	143	146	155	165	188	169	170	179	162	154	172	183	233	239	228	197	224	217
Pocahontas	63	52	60	49	42	54	54	56	57	70	76	82	51	84	95	96	93	79	94	109	104
Polk	2876	2972	2840	2957	3112	3040	3013	3001	3217	3187	3108	2966	2928	2987	3130	3133	3114	3150	3118	3119	3133
Pottawattamie	750	783	823	751	787	731	772	819	938	894	877	877	901	961	1085	1192	1052	998	978	987	951
Poweshiek	113	111	117	123	132	129	149	143	154	143	121	111	137	141	152	141	146	148	169	168	151
Ringgold	42	32	33	34	45	43	30	39	39	36	44	29	37	44	58	51	57	49	60	49	52
Sac	85	91	89	106	82	77	71	93	94	101	82	89	76	110	109	97	96	117	118	120	110
Scott	1321	1236	1345	1312	1300	1385	1391	1484	1354	1726	1910	1353	1427	1505	1483	1484	1483	1523	1614	1555	1547
Shelby	101	92	103	85	98	125	87	111	120	125	100	118	105	115	136	146	157	153	146	142	107
Sioux	203	227	233	216	229	231	203	222	221	208	223	225	225	246	245	214	250	247	277	266	248
Story	495	484	516	464	510	496	517	468	490	513	511	491	475	527	530	538	573	566	589	570	590
Tama	130	144	158	108	107	112	127	122	143	144	125	121	125	131	134	174	138	142	139	163	155
Taylor	46	51	41	43	48	58	52	50	55	50	50	47	48	43	67	70	62	71	60	85	73
Union	100	93	85	108	112	93	115	123	113	121	98	99	108	101	101	112	120	121	164	114	132
Van Buren	61	47	65	57	69	47	57	53	56	57	53	55	46	55	49	62	52	73	87	68	79
Wapello	327	282	321	330	320	334	351	363	365	317	353	309	353	369	392	365	424	409	396	426	394
Warren	263	254	287	293	281	291	307	292	333	304	273	260	278	288	284	315	316	311	329	269	305
Washington	152	123	173	160	158	157	153	153	137	140	146	152	145	135	176	187	165	181	162	199	185
Wayne	51	54	64	51	48	55	47	47	51	56	57	63	50	43	75	60	64	57	73	78	59
Webster	301	316	281	318	333	313	323	330	354	345	372	338	371	365	411	417	442	405	407	451	476
Winnebago	99	93	97	92	95	73	94	99	87	74	90	95	90	100	114	116	116	106	113	122	121
Winneshiek	159	137	131	158	149	149	158	130	180	158	147	171	160	151	184	170	188	204	185	159	226
Woodbury	654	789	774	752	815	716	761	714	760	752	738	674	705	802	844	812	758	843	883	914	919
Worth	42	41	51	51	45	45	51	48	66	63	48	63	62	54	74	75	71	69	57	68	85
Wright	78	72	96	90	95	89	84	97	81	104	82	88	99	112	125	149	148	139	152	148	142
State of Iowa	21609	21909	22711	22573	22924	22822	23129	23533	24931	25267	25090	23062	23311	24578	26366	26769	27189	27153	27474	27925	28030

Table 2. Dissolutions in Iowa's Counties, 1978-1998.

County	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978
Adair	28	27	30	24	27	26	30	21	30	24	22	26	26	27	39	26	24	20	34	19	28
Adams	13	7	17	15	16	20	14	18	18	11	15	17	23	17	9	27	11	20	11	16	12
Allamakee	27	26	42	33	32	52	44	31	26	38	24	30	32	43	33	32	25	43	29	33	29
Appanoose	31	55	61	61	53	53	67	64	54	66	62	34	56	51	55	66	82	50	59	57	31
Audubon	19	19	21	17	22	18	20	15	23	10	22	15	19	14	21	17	20	29	22	14	21
Benton	71	82	91	55	81	66	64	80	68	81	79	65	53	58	45	45	50	63	39	58	65
Black Hawk	264	313	328	400	405	490	553	496	493	523	514	476	496	512	564	560	539	670	671	683	646
Boone	126	112	105	95	120	110	97	123	96	104	106	120	102	113	95	104	97	114	133	139	114
Bremer	72	62	68	63	59	84	73	66	70	54	57	56	59	65	76	85	74	79	70	46	57
Buchanan	49	56	46	53	60	63	51	64	67	56	69	54	53	59	61	41	62	72	64	61	48
Buena Vista	68	75	58	71	67	49	57	75	75	63	57	56	68	63	54	50	58	72	59	51	50
Butler	35	28	51	50	40	38	36	40	45	33	42	31	38	42	42	44	37	30	35	48	38
Calhoun	20	33	26	31	43	28	31	27	39	27	23	27	39	40	32	35	33	37	39	31	28
Carroll	69	67	53	56	65	62	74	66	48	78	48	56	53	52	52	47	47	53	65	39	31
Cass	57	54	70	74	53	61	57	50	56	61	60	60	50	60	67	57	67	55	52	52	55
Cedar	52	52	55	48	44	61	49	64	47	69	53	65	55	55	39	65	67	64	67	58	60
Cerro Gordo	159	132	161	168	186	198	159	179	166	186	158	186	196	164	191	183	154	228	161	164	154
Cherokee	28	45	42	50	47	45	36	45	48	50	51	55	36	45	63	54	40	45	46	64	65
Chickasaw	38	41	20	39	32	37	40	43	28	29	42	37	30	34	32	34	36	38	38	29	32
Clarke	16	24	28	38	44	38	39	29	44	39	40	51	22	25	30	37	21	60	38	31	43
Clay	59	67	58	70	71	82	68	75	87	72	62	59	82	70	63	85	76	86	83	104	75
Clayton	48	45	63	46	56	43	53	41	41	44	44	33	45	49	43	54	49	65	59	58	42
Clinton	159	144	133	190	183	155	196	204	191	152	201	175	179	241	218	240	258	256	245	277	265
Crawford	73	64	51	65	65	65	63	67	73	77	62	62	75	53	66	57	64	60	64	46	61
Dallas	84	40	140	116	160	119	112	126	116	111	128	147	104	123	118	107	115	116	121	107	111
Davis	39	27	38	36	33	30	27	32	37	26	31	21	26	36	28	38	28	39	32	33	20
Decatur	28	19	32	42	28	23	31	36	29	32	28	23	31	24	29	33	36	44	37	29	33
Delaware	42	44	46	31	44	41	54	52	41	48	49	28	26	40	34	33	38	56	35	28	45
Des Moines	182	161	134	103	123	157	167	184	188	162	194	167	199	170	182	134	182	171	178	191	209
Dickinson	62	68	52	62	51	57	58	72	63	70	53	52	60	53	50	42	46	67	78	64	45
Dubuque	310	292	288	297	278	307	275	302	315	274	240	265	251	258	261	231	260	268	293	258	299
Emmet	20	33	43	37	38	42	26	26	37	38	33	34	32	38	44	27	37	43	57	44	30
Fayette	79	63	72	80	68	61	74	55	82	64	64	52	54	44	67	56	40	60	64	60	72

Table 2. Dissolutions in Iowa's Counties, 1978-1998 (continued).

County	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978
Floyd	46	61	49	74	82	48	41	52	57	57	56	55	51	56	56	60	76	59	82	78	65
Franklin	42	29	44	41	40	37	39	36	32	32	34	30	28	38	37	35	35	48	47	34	29
Fremont	23	25	33	27	36	30	40	40	33	31	30	25	32	36	26	27	41	48	29	34	30
Greene	32	28	21	46	41	46	31	41	38	40	40	52	39	30	22	32	33	27	33	34	47
Grundy	39	38	26	33	38	35	39	22	27	27	21	31	21	33	30	28	18	36	35	32	26
Guthrie	44	38	46	41	48	58	46	41	42	40	44	41	38	33	34	40	41	39	38	45	38
Hamilton	47	76	67	79	68	76	87	55	66	60	56	61	58	50	55	65	57	57	56	66	50
Hancock	29	24	33	39	32	31	24	40	26	21	33	33	32	29	32	33	36	43	35	53	43
Hardin	55	62	66	77	68	71	60	74	69	68	73	46	52	67	58	62	58	71	62	62	72
Harrison	54	61	56	63	50	49	58	46	61	57	54	58	57	63	56	62	75	61	58	45	50
Henry	72	71	85	92	87	82	96	99	86	73	90	66	52	56	64	59	55	65	61	73	95
Howard	19	28	21	21	27	16	29	33	27	19	30	23	24	23	22	23	22	21	16	15	16
Humboldt	27	33	26	25	41	45	32	37	29	39	31	34	24	28	39	40	31	32	38	38	21
Ida	24	25	27	30	22	42	29	36	17	24	27	24	27	20	17	21	30	23	24	25	20
Iowa	39	47	62	51	49	43	46	38	49	52	37	20	40	29	45	31	42	34	39	51	41
Jackson	57	57	50	59	67	63	76	63	53	50	62	68	38	53	48	31	45	57	41	34	34
Jasper	66	52	66	67	84	124	128	145	156	158	131	165	144	123	117	123	132	167	154	157	145
Jefferson	81	78	68	82	111	96	112	94	85	90	69	76	90	98	82	84	77	71	64	50	56
Johnson	290	270	273	270	298	238	283	253	237	216	216	286	224	270	289	313	319	305	331	370	366
Jones	81	90	65	68	57	54	67	57	69	55	54	61	50	59	65	45	51	73	56	56	56
Keokuk	11	19	23	24	21	26	26	25	12	31	28	28	20	21	21	21	29	39	24	30	27
Kossuth	31	44	38	59	37	48	43	44	40	38	44	40	44	37	49	34	44	56	49	59	38
Lee	114	122	139	144	157	157	168	143	203	151	191	179	155	174	186	174	183	216	218	198	196
Linn	638	572	648	692	600	648	655	647	606	566	608	548	531	584	576	540	541	559	579	533	534
Louisa	39	39	48	49	61	54	52	44	43	54	51	39	48	40	37	37	40	44	59	50	40
Lucas	43	42	47	41	47	46	46	47	39	40	40	38	31	51	38	35	48	45	48	45	30
Lyon	22	13	28	23	27	21	16	19	11	19	26	15	19	24	13	20	13	18	18	24	12
Madison	69	58	51	54	44	49	47	54	62	50	42	56	32	35	27	53	41	53	45	48	46
Mahaska	91	108	109	124	124	116	118	132	125	96	115	81	72	108	107	99	89	103	100	79	96
Marion	122	111	117	125	118	139	107	106	127	122	114	137	111	109	122	98	106	113	112	106	113
Marshall	151	188	179	191	191	194	221	182	195	174	201	166	163	160	152	190	185	193	219	193	188
Mills	52	50	42	67	56	58	53	47	54	48	50	41	60	31	59	54	40	65	62	58	142
Mitchell	35	33	30	33	37	27	25	29	27	20	23	25	19	23	24	28	17	22	21	25	20

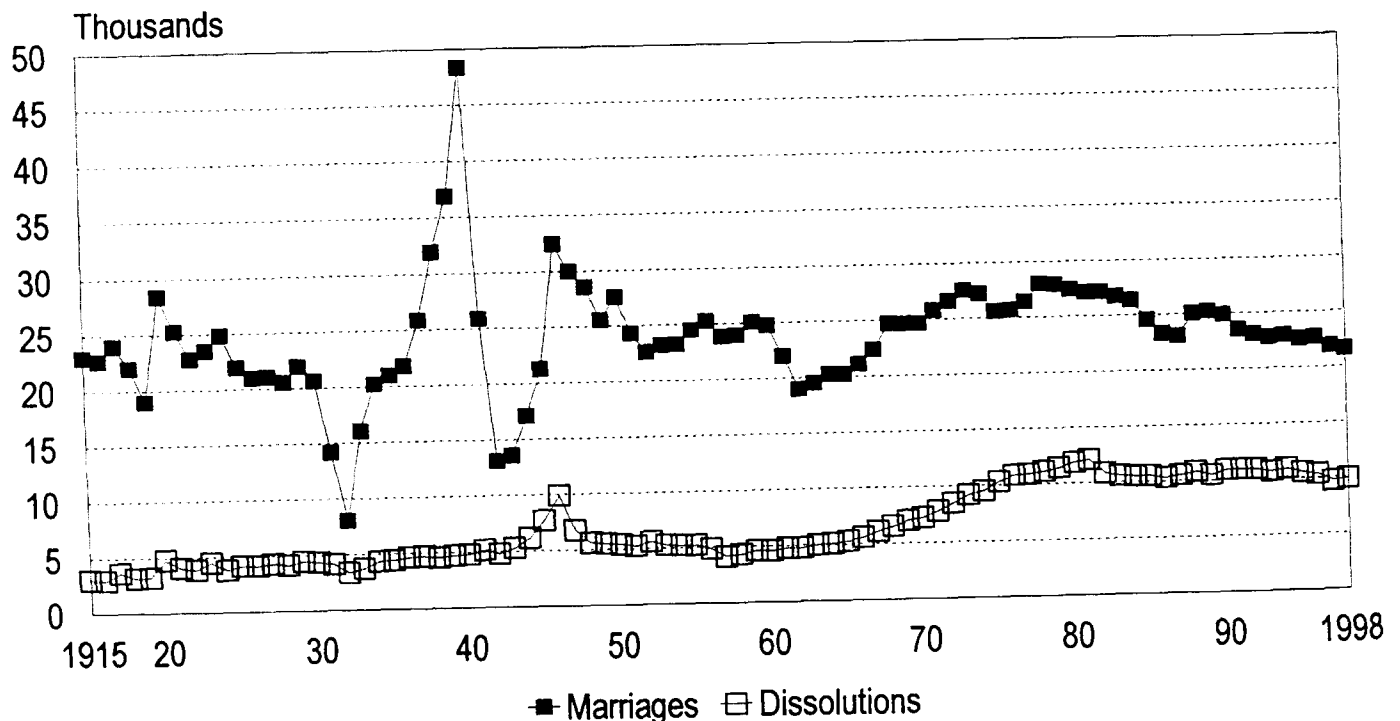
Table 2. Dissolutions in Iowa's Counties, 1978-1998 (continued).

County	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978
Monona	41	26	40	34	43	33	29	26	25	32	44	27	34	29	26	37	20	45	39	40	39
Monroe	38	30	28	24	38	31	32	37	38	28	29	26	19	23	27	24	30	26	26	17	14
Montgomery	57	61	70	75	56	64	58	51	44	68	72	72	64	68	62	42	39	77	69	58	56
Muscatine	220	192	207	197	219	220	255	187	212	219	244	279	225	212	225	229	238	227	227	258	248
O'Brien	35	31	43	39	35	45	39	40	41	35	45	44	28	37	32	28	29	40	28	31	34
Osceola	14	9	16	20	13	19	14	17	16	18	13	11	16	11	12	17	16	19	8	20	13
Page	76	63	74	55	76	70	90	89	70	75	60	67	75	75	63	99	69	109	73	85	75
Palo Alto	33	13	31	34	33	28	20	22	22	29	21	18	28	29	34	31	34	27	35	23	27
Plymouth	75	71	63	61	59	64	74	56	65	47	72	51	53	63	63	56	42	54	55	45	60
Pocahontas	23	17	25	31	23	20	29	21	30	27	31	26	18	18	27	32	29	22	33	27	28
Polk	1452	1527	1677	1529	1761	1608	1709	1810	1642	1665	1780	1705	1707	1716	1578	1571	1703	1888	1919	1747	1788
Pottawattamie	438	413	434	499	418	446	499	466	465	465	468	439	488	446	434	429	465	553	513	494	493
Poweshiek	77	84	65	59	69	70	77	69	71	82	60	60	75	58	58	82	55	55	48	76	65
Ringgold	16	19	16	17	15	14	17	18	21	21	16	16	17	10	28	28	20	30	17	19	15
Sac	37	35	30	36	31	39	30	37	32	29	28	32	37	29	30	31	38	33	35	29	44
Scott	633	601	648	630	719	679	677	649	725	664	735	777	743	747	736	804	873	962	984	866	854
Shelby	34	40	36	39	36	35	44	39	37	41	40	36	33	31	33	37	31	53	39	42	35
Sioux	45	56	59	57	48	57	48	53	48	41	55	33	46	42	46	52	40	31	48	32	37
Story	195	177	178	184	231	172	124	212	208	211	212	203	195	165	207	226	253	258	241	234	233
Tama	54	38	55	51	62	51	54	49	58	65	51	53	56	45	56	51	58	58	46	52	35
Taylor	24	17	15	24	24	27	17	20	12	15	22	25	29	30	25	30	19	28	19	25	31
Union	51	46	48	56	64	52	54	51	74	63	46	46	63	45	60	65	77	64	72	42	62
Van Buren	34	32	23	43	30	28	31	36	40	26	30	32	32	27	22	23	25	30	17	27	31
Wapello	172	153	187	153	188	158	148	197	204	157	177	169	166	209	224	206	210	228	215	245	244
Warren	105	122	168	139	134	144	133	135	149	128	130	155	122	133	120	121	140	146	138	133	119
Washington	74	52	61	86	67	64	68	79	86	60	70	61	70	76	66	68	66	70	43	49	64
Wayne	22	25	20	23	14	24	28	22	30	32	17	25	19	16	31	17	33	28	21	20	15
Webster	184	185	164	180	174	203	163	173	177	184	174	197	167	148	168	174	169	189	188	186	185
Winnebago	45	34	46	43	39	43	46	34	35	31	29	27	39	36	49	21	34	35	48	50	45
Winneshiek	47	40	55	49	48	41	41	43	50	45	67	41	65	68	48	49	46	48	51	53	23
Woodbury	454	476	478	472	464	428	467	443	447	449	451	409	429	474	431	490	475	526	540	538	456
Worth	26	16	24	23	28	21	30	21	23	20	22	27	16	23	19	18	19	26	22	31	10
Wright	37	42	57	56	66	54	44	48	72	45	43	55	54	57	61	57	51	50	66	40	49
State of Iowa	9880	9712	10347	10545	10885	10700	10924	10939	10913	10507	10808	10527	10324	10525	10509	10588	10869	12071	11854	11426	11123

Across the state, there were 928 fewer dissolutions in 1998 than in 1988. More than half (53) of the counties followed that trend. Forty-two counties had more dissolutions at the end of the period than at the beginning, while four had the same number both years. The comparison of 1978 and 1998 continued these trends. More than 1,200 fewer dissolutions occurred at the end of the period than the beginning. Declines of at least 100 took place in Black Hawk, Clinton, Polk, and Scott. Linn was the only county with an increase of at least 100 when 1978 and 1998 were compared.

Note: See an annual publication called VITAL STATISTICS OF IOWA for additional data on marriages and dissolutions (Iowa Department of Public Health, Lucas State Office Building, Des Moines, IA 50319).

Figure 1. Marriages and dissolutions in Iowa, 1915-1998.



Employment and Unemployment in Iowa's Counties: 1980-1998

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Iowa's labor force was estimated to include 1,570,000 people in 1998 (Table 1). The state's labor force generally declined from 1980 through 1984. The pattern changed back to growth from 1984 to 1985 and increases occurred each year until a decline took place from 1989 to 1990. Gains occurred through 1994, with the years following alternating between decline and growth. Labor force data include persons who are unemployed and looking for work as well as those who are already employed. This information is estimated by Iowa Workforce Development (formerly the Iowa Department of Employment Services) in cooperation with the Bureau of Labor Statistics of the U.S. Department of Labor; the methods used are consistent from state to state. The information on unemployment includes the number of persons receiving unemployment benefits plus an estimate of the number unemployed who do not receive such benefits. The data on employment are derived from monthly surveys of those employed in nonfarm jobs plus estimates of those self-employed and those working on farms. Additional factors are applied to account for multiple job holders, commuters, and new and re-entering workers.

In 1998, Polk County had 212,500 in the labor force, nearly double the next highest county (Linn, 110,600). Adams and Ringgold, in contrast, reported fewer than 3,000 in the labor force. Polk's labor force increased by 16,400 between 1988 and 1998. Black Hawk and Linn were the only others with gains of more than 5,000. Although Iowa had 69,800 more people in the labor force in 1998 than in 1988, 42 counties had a smaller labor force at the end of the period. Of these 42 counties, only Adams, Floyd, Hamilton, Louisa, and Winnebago declined by as much as 1,000, however.

Employment

Employment in Iowa in 1998 (1,526,300) was 1,600 below that for 1997 (Table 2); the 1996 figure was the high point in the period examined. The annual gains recorded from 1985 through 1989 and again from 1990 to 1994 show that the state rebounded from employment losses from 1980 through 1982, from 1984 to 1985, and from 1989 to 1990.

In Iowa's counties in 1998, the number employed ranged from fewer than 3,000 in Adams, Ringgold, and Wayne to more than 200,000 in Polk. Five urban counties (Black Hawk, Johnson, Linn, Scott, Woodbury), in addition to Polk, had more than 50,000 employed in 1998.

The state had 93,300 more employed persons in 1998 than in 1988, an increase of 6.5 percent. Polk increased the most (+19,200) and Linn was second (+15,500); Black Hawk (+10,100) was the only other county gaining at least 10,000 employees. Black Hawk, Linn, and Polk together accounted for almost half (48.0%) of the state's gain in employment from 1988 to 1998. Thirty-nine counties had lower numbers employed in 1998 than in 1988, although only Adams, Hamilton, Louisa, and Winnebago had decreases greater than 1,000 during this period.

Between 1988 and 1998, employment increased more than 20 percent in six counties (Bremer, Dallas, Hancock, Madison, Van Buren, Washington), with the greatest percentage increase occurring in Hancock (+46.7%); another 19 counties had gains of 10-19 percent. Declines from 1988 to 1998 of at least 20 percent occurred in Adams, Louisa, and Winnebago; nine others noted decreases in the number employed of at least 10 percent but less than 20 percent between 1988 and 1998.

Table 1. Labor Force Estimates in Iowa's Counties, 1980-1998.

County	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	4170	4280	4410	4460	4330	4150	4180	4010	4010	4550	4620	4410	4450	4430	4420	4560	4440	4450	4560
Adams	2160	2310	2390	2390	2460	2370	2410	2410	2430	3100	3190	3050	2920	2870	3030	2780	2660	2590	2690
Allamakee	7340	7580	7740	7600	7680	7480	7410	7250	7160	7680	7630	7470	7510	7390	7380	7150	6990	6920	7040
Appanoose	6710	6770	6700	6630	6810	6790	6710	6600	6340	6530	6600	6320	6150	5850	5910	5780	6020	6020	6110
Audubon	3430	3570	3740	3670	3710	3650	3820	3740	3600	3510	3490	3490	3660	3740	3880	4090	4050	4100	4060
Benton	11690	11930	12120	11780	11750	11670	11330	11080	11400	10790	10800	10230	10730	10650	10660	10830	10940	10910	11200
Black Hawk	69700	68800	68700	67800	68100	69200	66200	64000	62100	61400	60600	58060	59220	59880	61710	64950	67170	68690	69500
Boone	14100	14050	14030	13630	13710	13460	13030	12830	12600	12800	12890	12040	12250	11940	12070	12310	12090	12290	12300
Bremer	12700	12800	12700	12300	12400	12700	12300	11900	11400	10700	10500	10120	10120	10190	10590	11190	10720	10610	10920
Buchanan	11070	10940	10920	10690	10650	10380	10030	9840	9550	9950	10080	9810	9970	9900	10130	11270	11110	10910	11250
Buena Vista	10710	10840	11110	11020	11160	11090	10790	10500	10000	11350	11630	11090	10940	10990	10930	11110	10330	10560	10750
Butler	7590	7850	8130	8070	8260	7930	7890	7560	7320	7450	7350	7470	7660	7730	7920	8140	7820	7880	8290
Calhoun	4800	4990	5190	5170	5180	5270	5190	5040	4960	5510	5560	5450	5580	5660	5790	6150	6200	6200	6240
Carroll	12650	12410	12140	11900	12010	12120	11560	10980	10690	11720	11440	11120	11160	11080	11200	12270	12050	12180	11700
Cass	7430	7730	7730	7680	7770	7790	7720	7510	7530	8520	8400	8260	8340	8510	8780	9250	8970	8910	8890
Cedar	9330	9630	9680	9460	9670	9670	9300	9220	9070	9670	9560	9030	8980	8880	9020	8440	8520	8290	8370
Cerro Gordo	26550	26690	26980	26100	25980	25980	25510	25810	25170	26370	26490	25610	25570	25450	24710	24110	23920	24620	24090
Cherokee	6730	6990	7070	6910	7080	7050	6950	6880	6710	7010	7120	7100	7510	7450	7550	7740	7610	7630	7710
Chickasaw	7480	7560	7770	7690	7600	7480	7270	7100	7060	7320	7220	7170	7320	7470	7340	7330	7130	7170	7340
Clarke	4360	4200	4030	3870	4000	4090	4220	4360	4220	4590	4440	4200	4140	4010	3920	4700	4550	4710	4820
Clay	9940	10150	10150	9660	9650	9410	9060	8850	8960	9270	9240	8780	8750	8890	9150	9810	9900	10080	10240
Clayton	10260	10730	10830	10450	9620	9680	9620	9200	9190	10200	10220	9770	10010	9930	10110	10540	10320	10250	10300
Clinton	26980	27280	27720	26920	27120	27390	27020	26150	25530	23820	23790	23030	23230	23260	23940	25570	26570	26960	28050
Crawford	8770	8940	8970	8790	8850	8880	8660	8430	8500	8980	9200	9120	9150	9060	9240	10470	10230	10130	9840
Dallas	19900	19700	19400	18300	18100	17800	17100	16400	16100	17000	16300	15480	15200	15020	15820	15520	13560	13300	13450
Davis	4200	4170	4350	4330	4340	4280	4100	4010	3860	3840	3870	3740	3860	3680	3760	3700	3720	3690	3600
Decatur	3760	3800	3820	3930	4030	3950	3890	3850	3790	3930	3820	3940	4070	4230	4090	3980	4160	4070	4160
Delaware	9390	9560	9550	9180	9340	9080	9070	8970	8790	8880	8720	8410	8420	8490	8760	9140	8960	8880	8950
Des Moines	23560	23440	23900	23410	23600	23710	23060	22440	22030	23100	23020	22480	22120	21410	21520	19060	19240	19600	19720
Dickinson	9650	9900	10170	9720	9540	9500	8850	8280	8030	9780	9340	8770	8650	8510	8670	7700	7480	7430	7380
Dubuque	48700	49500	50500	49900	50100	49900	48400	47300	46000	44900	44700	43590	43360	42330	41900	42750	43100	44980	45670
Emmet	5720	5780	5720	5550	5650	5760	5770	5690	5540	5050	5100	5070	5220	5410	5690	5920	6160	6340	6280
Fayette	11000	11370	11490	11410	11500	10790	10660	10400	10260	10550	10610	10380	10870	11130	11470	11530	11420	11370	11560

Table 1. Labor Force Estimates in Iowa's Counties, 1980-1998 (continued).

County	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Floyd	7570	8010	8380	8110	8480	8710	8760	8620	8550	8730	8720	8410	8390	8470	8620	7680	7740	7750	7980
Franklin	5910	6010	6120	6040	6070	5870	5840	5690	5730	5290	5340	5480	5710	5770	5670	6300	6350	6280	6540
Fremont	3620	3760	3890	3940	3990	3930	3820	3710	3730	4300	4300	4290	4350	4590	4830	6030	5820	5800	5580
Greene	4900	4940	5220	5120	5250	5290	5240	4990	4880	5230	5190	5190	5290	5320	5400	5350	5320	5300	5640
Grundy	6090	6200	6080	5980	6240	6110	6030	5820	5780	6770	6670	6480	6660	6750	6980	6410	6290	6170	6200
Guthrie	5940	6040	6050	5890	5820	5880	5640	5650	5440	5390	5260	5210	5370	5320	5280	5750	5670	5590	5750
Hamilton	8210	8510	8630	8550	8700	8520	8760	8480	8350	10400	10200	9420	9420	9150	9270	9160	8990	8960	8650
Hancock	9160	9280	6030	6100	6090	5900	5920	5990	6220	6430	6350	6070	6130	6180	6100	6680	6740	7070	7120
Hardin	9480	9550	9630	9570	9610	9580	9490	9430	9380	9580	9760	9790	9950	9960	10120	10880	10860	10950	10890
Harrison	7520	7720	7730	7480	7620	7610	7430	7220	7100	6960	7040	6800	6830	6930	7080	7460	7330	7130	7180
Henry	10960	11130	11220	11100	11070	10830	10530	10170	10020	12280	11830	10910	10440	9970	9460	10000	9860	9940	9900
Howard	5520	5450	5450	5340	5280	4890	4890	4690	4600	5030	5090	4970	4990	5060	5030	5520	5400	5390	5610
Humboldt	5510	5630	5580	5340	5380	5250	5140	5000	4960	5330	5510	5260	5430	5510	5550	5510	5430	5520	5460
Ida	3970	4210	4250	4100	4150	4080	3850	3760	3880	4740	4720	4370	4210	4160	4150	4480	4320	4170	4250
Iowa	9150	9320	9520	9200	9470	9390	9010	8390	7990	8620	8370	8140	8100	8050	8270	8970	8650	8970	9250
Jackson	10360	10550	10770	10390	10950	10920	10610	10270	9990	10880	10800	10270	9980	10100	10130	10480	10390	10300	10390
Jasper	18670	19150	18890	18460	18410	18160	17990	17950	17860	17950	18120	17710	17220	17380	17370	16010	15870	16040	16420
Jefferson	10200	10340	9860	9550	9740	9560	9000	8590	8490	9220	9180	8470	8530	8080	7980	7490	7570	7720	7840
Johnson	65500	64900	65200	64300	64600	63800	60300	58400	57500	62000	60600	59520	58130	54750	53960	48280	45980	44620	43720
Jones	9530	9750	9860	9630	9570	9440	9570	9330	9300	9430	9150	8850	8870	8750	8780	9780	9910	9690	10020
Keokuk	5270	5350	5290	5050	5150	5160	5230	5260	5320	5820	5700	5540	5830	5940	5770	5320	5310	5220	5240
Kossuth	8830	9110	9060	8730	8950	8810	8960	8900	8830	9250	9190	9080	9560	9780	9760	11170	11060	11090	11410
Lee	19260	19680	20040	19640	19710	19660	19590	19480	18870	18450	18520	18450	18700	18630	18810	20210	20620	21390	21430
Linn	110600	108800	109100	107000	105900	104700	99900	96700	96600	97700	96500	91790	89340	85720	83960	84650	85570	87890	89620
Louisa	5230	5770	6600	6480	6460	6560	6360	6090	5900	7800	7790	6610	5860	5110	4960	4890	5600	6160	5370
Lucas	4040	3970	3980	4080	4380	4400	4430	4290	4260	4940	4930	4810	4950	5000	4990	4670	4620	4630	4550
Lyon	5640	5830	5910	5750	5870	5930	5900	5650	5650	6170	6040	5780	5890	5590	5720	6130	6080	6020	6360
Madison	7570	7490	7690	7470	7390	7040	6480	6370	6360	6170	6290	5970	5800	5570	5640	5700	5720	5780	5860
Mahaska	11360	11320	11080	11070	11290	11120	10820	10580	10530	10500	10540	10180	10150	10060	9940	9790	9660	9850	9940
Marion	17870	18060	18120	17500	17050	17130	16390	15890	15730	16370	16190	15560	15010	14260	13930	16170	15940	16330	16270
Marshall	20520	20540	21050	20770	21030	20770	20240	20150	19980	20280	19950	19350	19920	19720	20510	19570	19680	19320	19370
Mills	5960	6110	6300	6180	6590	6550	6600	6550	6420	5610	5620	5460	5570	5850	6050	6450	6570	6410	6410
Mitchell	5450	5620	5740	5680	5710	5500	5300	5170	5150	5830	5770	5640	5760	5760	5650	6120	6090	6070	6000

Table 1. Labor Force Estimates in Iowa's Counties, 1980-1998 (continued).

County	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Monona	5060	5320	5170	5170	5200	5170	4820	4440	4460	4780	4780	4670	4790	4890	5100	5470	5350	5300	5400
Monroe	4100	4170	4180	4240	4180	4100	3940	3910	3730	4000	3700	3670	3710	3870	3810	4330	4400	4930	4850
Montgomery	6020	6260	6390	6030	6190	6150	6000	5990	6110	6460	6130	5870	5900	6080	6320	6480	6370	6350	6570
Muscatine	21630	21130	21910	21350	21470	21880	21480	20900	20830	21630	21400	20980	21070	20760	20480	21610	21640	21510	20360
O'Brien	7730	7970	8100	7900	8010	7940	7640	7420	7310	8080	8070	7760	7750	7720	7900	8270	7970	7770	7880
Osceola	3610	3730	3830	3690	3680	3640	3700	3580	3510	3540	3500	3420	3480	3510	3690	3510	3540	3520	3440
Page	8870	9260	9380	9090	9230	8980	8570	8160	8120	8450	8410	8130	8400	8570	8750	9020	9080	8940	9020
Palo Alto	5240	5510	5560	5260	5380	5300	5230	4910	4840	5240	5230	5190	5190	5380	5640	5630	5510	5400	5480
Plymouth	12520	12980	13060	12670	12980	12910	12600	12350	11810	12510	12490	12140	11900	11720	11650	11490	11320	11320	11420
Pocahontas	4120	4310	4390	4320	4320	4250	4330	4310	4340	4960	4920	4820	4820	4830	5000	4750	4780	4770	4720
Polk	212500	210800	213700	209400	208800	208700	200100	193300	189500	199100	196100	186320	179650	171370	166850	163030	165450	165500	165770
Pottawattamie	47600	47700	47800	46400	46500	46700	45000	43900	43600	48700	48300	47330	46800	44890	46070	41920	42170	41990	41170
Poweshiek	10110	10290	10460	10370	10400	10370	10170	9800	9970	10920	10830	10300	9980	9710	9490	10260	10230	10090	10170
Ringgold	2490	2620	2720	2620	2720	2680	2700	2610	2560	2580	2590	2520	2610	2580	2670	3340	3300	3300	3230
Sac	5950	6160	6040	5980	6130	6040	6070	5900	5860	5690	5690	5560	5700	5710	6030	6200	6250	6220	6390
Scott	84500	84400	84500	82500	83700	85500	83400	80600	78600	82800	83700	81570	80900	75880	72770	72410	74620	75760	75050
Shelby	6710	7090	7180	6740	6880	6830	6720	6660	6540	6850	6910	6690	6890	7050	7060	6820	6730	6750	6570
Sioux	17580	17730	17450	16990	17210	16880	16120	15450	15260	16390	15980	15150	14900	15160	14890	16560	15790	15790	16200
Story	45550	45250	45750	44700	45570	44910	43030	41920	41750	42550	42080	40100	39610	38950	38500	39240	38170	37960	38470
Tama	9000	9290	9570	9670	9480	9110	8170	8160	8220	8870	8920	8870	8860	8680	8440	9800	9740	9430	9680
Taylor	3180	3300	3470	3380	3300	3230	3220	3280	3090	3360	3330	3390	3510	3540	3640	3570	3540	3480	3500
Union	6470	6470	6460	6310	6310	6470	6320	6050	6060	6620	6540	6330	6370	6200	6320	7320	7350	7320	7160
Van Buren	4270	4330	4170	4040	4050	4030	3840	3720	3610	3630	3650	3750	3780	3740	3700	3910	3850	3890	3820
Wapello	17650	17890	18560	18240	18510	18540	17900	17410	16880	15840	15700	15440	16260	16420	16910	16400	16490	16900	17150
Warren	23300	23000	23200	22700	22600	22500	21500	20700	20300	20600	20400	19290	18540	18580	18850	18290	18540	18680	18850
Washington	11270	11410	11530	11180	11210	11160	10960	10680	10390	9520	9510	9470	9600	9580	9690	9740	9630	9810	9880
Wayne	3000	3210	3390	3350	3390	3290	3310	3140	3200	3280	3250	3220	3260	3270	3370	3810	3760	3790	3710
Webster	20080	20010	20240	20240	20260	20270	19880	19530	19460	20810	20800	20200	20570	20880	21180	21600	22000	22530	22920
Winnebago	4720	4820	7000	6690	6790	6700	6370	5970	6410	7640	7790	7350	7120	7250	7330	6260	5820	5690	5860
Winneshiek	11350	12200	12350	12030	12060	11920	11770	11430	11280	13120	12050	12350	12330	11940	11840	12120	11880	11640	11340
Woodbury	54800	55200	56100	55000	54900	55100	52800	51300	50100	52300	51800	51200	49310	48250	48400	46790	45890	47000	46110
Worth	4130	4140	4230	4070	4070	4090	3940	4010	4030	4980	4870	4650	4430	4450	4550	4010	3830	3810	3970
Wright	6950	7010	7260	7310	7040	7020	7210	7180	7100	7970	7790	7500	7640	8000	8350	8240	7980	7660	7630

State of Iowa 1569800 1579400 1593100 1559500 1566200 1559900 1511700 1470400 1448000 1513000 1500000 1449000 1439000 1412000 1411000 1420000 1417000 1427000 1432000

Table 2. Estimates of the Number Employed in Iowa's Counties, 1980-1998.

County	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	4060	4150	4260	4300	4190	4010	4040	3890	3920	4380	4480	4260	4250	4220	4220	4310	4250	4270	4370
Adams	2090	2170	2170	2320	2380	2290	2310	2300	2340	3000	3100	2940	2800	2710	2890	2630	2510	2480	2580
Allamakee	6980	7240	7350	7210	7310	7130	6970	6850	6760	7220	7240	6980	6930	6620	6690	6520	6340	6310	6470
Appanoose	6410	6460	6330	6260	6440	6440	6290	6180	5910	6120	6200	5860	5570	5190	5280	5020	5170	5410	5460
Audubon	3320	3450	3610	3550	3610	3570	3710	3630	3480	3380	3370	3310	3380	3420	3600	3830	3840	3910	3910
Benton	11340	11520	11630	11280	11270	11210	10780	10500	10820	10300	10330	9620	9910	9750	9950	9880	9580	10090	10630
Black Hawk	67200	66200	65600	64800	64700	65400	62000	60000	58600	58100	57100	53190	51650	51260	54300	56350	59010	63170	64630
Boone	13770	13660	13650	13220	13240	12970	12460	12200	12070	12300	12430	11410	11480	11160	11400	11390	11220	11670	11730
Bremer	12300	12500	12400	12000	12100	12200	11700	11300	11000	10300	10100	9400	9140	9230	9780	10160	9680	9890	10280
Buchanan	10640	10500	10390	10210	10140	9800	9380	9260	9040	9440	9590	9120	9040	8790	9090	9960	10030	10140	10540
Buena Vista	10500	10600	10830	10760	10860	10790	10500	10250	9740	11100	11310	10720	10450	10450	10440	10560	9580	10090	10410
Butler	7280	7520	7700	7660	7800	7500	7360	7090	6990	7090	6960	6930	6930	6980	7280	7270	7040	7290	7780
Calhoun	4670	4830	5000	4990	5000	5080	5000	4880	4840	5360	5360	5190	5230	5220	5480	5800	5830	5920	6030
Carroll	12340	12020	11730	11460	11620	11750	11200	10570	10250	11180	10940	10480	10370	10190	10540	11500	11160	11370	11070
Cass	7140	7350	7310	7330	7400	7400	7320	7100	7120	8160	8050	7790	7820	7840	8080	8740	8490	8460	8520
Cedar	9090	9340	9310	9200	9380	9360	8950	8940	8820	9370	9200	8630	8450	8280	8570	7890	7940	7950	8090
Cerro Gordo	25770	25830	25890	25180	24790	24640	23960	24380	23860	25110	25160	24140	23750	23390	23010	22220	22020	22860	22610
Cherokee	6550	6780	6830	6690	6850	6850	6730	6680	6530	6770	6860	6660	7000	7050	7190	7360	7210	7200	7420
Chickasaw	7190	7200	7330	7300	7170	7030	6770	6620	6640	6930	6830	6630	6570	6560	6590	6360	6290	6400	6550
Clarke	4200	4030	3810	3640	3720	3750	3920	4070	4010	4350	4160	3930	3790	3650	3600	4350	4150	4380	4520
Clay	9650	9870	9880	9390	9360	9140	8770	8550	8760	9010	8950	8360	8210	8200	8440	9270	9340	9510	9760
Clayton	9760	10230	10170	9890	9050	9130	9030	8650	8690	9630	9640	9110	9190	8860	9190	9570	9270	9410	9480
Clinton	26140	26260	26390	25600	25880	26040	25410	24570	24060	22230	22170	21250	21120	20750	21570	22560	23260	24760	26470
Crawford	8520	8650	8660	8490	8530	8490	8300	8050	8020	8310	8560	8670	8600	8450	8690	9900	9580	9640	9490
Dallas	19600	19300	18900	17900	17600	17300	16400	15900	15600	16000	15700	14800	14230	14140	14980	14480	12580	12460	12670
Davis	4060	4010	4170	4150	4150	4100	3880	3770	3720	3630	3610	3420	3440	3320	3450	3270	3330	3390	3400
Decatur	3570	3630	3600	3660	3800	3650	3600	3600	3550	3800	3630	3700	3750	3930	3830	3650	3910	3850	3960
Delaware	8970	9090	8930	8710	8830	8580	8560	8490	8400	8360	8320	7920	7750	7550	8020	8190	8030	8150	8270
Des Moines	22820	22510	22730	22370	22480	22430	21620	21120	20890	21750	21610	20990	20210	19130	19470	16550	16770	17650	18150
Dickinson	9340	9540	9840	9390	9140	9180	8540	7980	7770	9490	8970	8300	7970	7710	8060	7120	6920	6970	6980
Dubuque	47100	47500	47600	48100	48200	47800	45700	44400	43300	42200	42300	40920	40000	38280	38320	37580	36960	40150	41760
Emmet	5520	5530	5470	5280	5360	5500	5450	5360	5230	4760	4800	4630	4580	4610	5070	5120	5380	5910	5940
Fayette	10560	10990	11020	10940	11060	10280	10060	9850	9830	10080	10120	9710	9880	10000	10470	10370	10220	10610	10780

Table 2. Estimates of the Number Employed in Iowa's Counties, 1980-1998 (continued).

County	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Floyd	7240	7620	7940	7670	7750	8100	8150	8050	8090	8290	8230	7770	7500	7170	7770	6370	6620	6800	6960
Franklin	5730	5820	5920	5860	5870	5660	5580	5450	5500	5060	5070	5090	5310	5350	5290	5800	5910	6020	6280
Fremont	3520	3660	3740	3810	3850	3740	3600	3530	3600	4140	4130	4090	4050	4200	4470	5740	5550	5620	5440
Greene	4750	4810	5040	4900	5030	5080	5020	4750	4640	4880	4940	4900	4890	4820	4970	4920	4870	4920	5290
Grundy	5950	6030	5850	5750	6050	5920	5800	5630	5630	6580	6410	6200	6260	6340	6600	5920	5910	5930	5920
Guthrie	5790	5850	5840	5690	5590	5650	5390	5410	5230	5060	5060	4930	4960	4940	4960	5420	5320	5270	5480
Hamilton	7980	8250	8360	8200	8420	8220	8320	8130	7960	10030	9900	9040	8860	8570	8710	8570	8450	8450	8250
Hancock	9010	9100	5850	5900	5900	5670	5590	5650	5860	6130	6140	5760	5650	5590	5760	6250	6210	6710	6590
Hardin	9140	9150	9250	9190	9300	9200	8990	8910	8950	9190	9250	9140	9340	9370	9510	10360	10340	10480	10520
Harrison	7300	7450	7420	7140	7270	7250	7000	6840	6820	6560	6600	6360	6290	6290	6540	6820	6730	6750	6860
Henry	10670	10830	10840	10740	10690	10450	10050	9720	9670	11810	11370	10360	9830	9230	8760	9190	9060	9180	9320
Howard	5350	5270	5220	5140	5090	4700	4680	4500	4420	4760	4770	4700	4590	4590	4670	5090	4960	5050	5260
Humboldt	5400	5500	5440	5200	5210	5080	4970	4800	4800	5160	5350	5020	5050	5080	5170	5110	5070	5220	5170
Ida	3880	4090	4140	3990	4050	3980	3740	3630	3780	4610	4600	4230	4040	3950	3980	4340	4180	4040	4110
Iowa	8940	9080	9250	8980	9280	9170	8780	8180	7790	8420	8150	7870	7650	7530	7930	8550	8070	8550	8980
Jackson	9900	9990	10080	9800	10390	10370	9920	9600	9350	10100	10000	9490	9050	8920	9140	9070	8990	9260	9480
Jasper	18220	18620	18250	17840	17800	17480	17270	17160	17230	17210	17370	16850	16110	16300	16230	14630	14180	14760	15160
Jefferson	9910	10000	9550	9180	9290	9150	8520	8190	8140	8770	8740	7880	7850	7500	7470	6870	6790	7190	7370
Johnson	64000	63200	63300	62500	62900	62100	58300	56700	55800	61000	59400	58310	56590	53040	52640	46570	44040	42510	42190
Jones	9260	9390	9440	9220	9170	8990	9000	8850	8850	9040	8790	8350	8270	8010	8120	8950	9010	9080	9470
Keokuk	5040	5100	5030	4810	4920	4900	4910	4990	5080	5530	5380	5200	5350	5450	5320	4810	4750	4670	4800
Kossuth	8590	8870	8760	8390	8590	8490	8520	8420	8440	8820	8730	8500	8810	8940	9120	10460	10260	10390	10720
Lee	18440	18610	18810	18650	18610	18230	18000	18010	17660	17060	16990	16660	16790	16680	16990	17960	18150	19460	19900
Linn	108500	106000	105900	104000	102700	101200	95700	92000	91300	94100	93000	87030	83780	79570	77940	77650	77300	80800	83800
Louisa	5050	5500	6300	6220	6200	6230	5990	5780	5640	7490	7500	6270	5450	4590	4540	4350	5270	5930	5160
Lucas	3890	3790	3770	3850	4150	4130	4130	4050	4000	4700	4720	4540	4660	4620	4650	4350	4260	4340	4280
Lyon	5500	5700	5740	5590	5720	5760	5750	5520	5530	6020	5870	5590	5620	5330	5460	5860	5880	5750	6100
Madison	7360	7200	7380	7150	7070	6730	6130	6020	6090	5850	5960	5660	5340	5160	5240	5230	5250	5370	5530
Mahaska	11090	11000	10690	10680	10940	10690	10370	10100	10120	10000	10160	9710	9460	9220	9320	9090	8860	9190	9390
Marion	17410	17500	17500	16910	16490	16530	15800	15280	15150	15820	15670	15010	14370	13700	13350	15420	15100	15670	15640
Marshall	19950	19900	20290	20100	20410	19930	19410	19420	19320	19510	19140	18170	18490	18170	18950	17490	17820	18130	18300
Mills	5830	5930	6090	5980	6380	6320	6320	6330	6190	5380	5410	5200	5180	5420	5710	6150	6280	6150	6210
Mitchell	5300	5480	5540	5500	5480	5290	5090	4940	4950	5630	5560	5360	5330	5210	5240	5530	5590	5570	5520

Table 2. Estimates of the Number Employed in Iowa's Counties, 1980-1998 (continued).

County	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Monona	4880	5150	4980	4990	5020	4960	4600	4250	4300	4550	4490	4330	4390	4450	4700	5090	4960	4980	5100
Monroe	3970	3990	3990	4050	4010	3900	3730	3680	3530	3750	3440	3360	3230	3370	3320	3780	3780	4470	4510
Montgomery	5820	5950	6000	5800	5950	5900	5700	5740	5840	6140	5890	5590	5520	5550	5860	6080	5970	6010	6240
Muscatine	21040	20250	20840	20630	20660	20990	20270	19740	19820	20540	20290	19710	19540	19180	19060	19950	20130	20310	19380
O'Brien	7540	7780	7900	7690	7800	7730	7410	7250	7160	7900	7840	7450	7360	7350	7510	7920	7640	7450	7610
Osceola	3510	3630	3710	3560	3560	3530	3570	3470	3410	3400	3320	3250	3230	3240	3450	3270	3280	3300	3260
Page	8620	8970	9000	8770	8890	8630	8080	7680	7740	8040	8070	7700	7830	7870	8150	8320	8410	8510	8660
Palo Alto	5100	5360	5380	5090	5190	5120	5060	4730	4660	5050	5030	4990	4870	4920	5210	5170	5100	5050	5190
Plymouth	12170	12560	12550	12170	12610	12560	12140	11940	11450	12090	12000	11580	11240	10900	10970	10870	10670	10720	10940
Pocahontas	4020	4210	4250	4160	4200	4140	4180	4180	4240	4840	4780	4640	4580	4540	4750	4440	4420	4510	4540
Polk	208000	205200	207500	203900	202800	201400	192700	186400	183400	192000	188800	177970	169300	160110	156950	150850	152150	153370	156450
Pottawattamie	46300	46000	46200	44900	44800	44800	42700	41900	41900	46400	46000	44460	43530	41510	42580	39150	38780	38600	38630
Poweshiek	9790	9900	9930	9960	9970	9860	9700	9350	9520	10540	10500	9910	9480	9090	8930	9600	9540	9590	9640
Ringgold	2410	2540	2610	2520	2610	2590	2590	2500	2450	2460	2460	2340	2450	2400	2470	3050	3110	3180	3120
Sac	5760	5950	5800	5750	5900	5840	5880	5680	5630	5390	5360	5210	5240	5180	5490	5550	5560	5810	6080
Scott	82200	81700	81200	79500	80200	81400	78600	76600	75300	77900	78000	76200	74950	69640	66970	64630	66260	69750	71100
Shelby	6550	6860	6910	6480	6570	6530	6350	6300	6270	6520	6570	6310	6410	6420	6470	6430	6360	6410	6310
Sioux	17110	17250	16890	16480	16690	16440	15650	15020	14840	16060	15610	14560	14210	14430	14240	15910	15070	15040	15530
Story	44400	44040	44450	43440	44220	43530	41390	40280	40240	41840	41360	39160	38350	37640	37280	37570	36540	36440	37160
Tama	8740	8980	9130	9290	9100	8700	7710	7740	7860	8500	8510	8310	8190	8000	8020	9360	9270	9120	9410
Taylor	3070	3110	3230	3200	3100	3100	3070	3140	2980	3220	3200	3180	3260	3250	3380	3270	3320	3340	3360
Union	6240	6220	6130	6020	5980	6170	6030	5690	5770	6360	6230	5930	5950	5750	5800	6780	6890	6880	6800
Van Buren	4150	4190	4000	3880	3880	3860	3640	3520	3490	3350	3380	3420	3420	3360	3410	3530	3440	3580	3530
Wapello	16970	16740	17600	17340	17580	17490	16660	16110	15890	14780	14540	13870	14070	14460	15200	14310	14450	14930	15790
Warren	22800	22500	22700	22100	22100	21800	20800	20100	19800	20000	19700	18490	17670	17620	18010	17350	17500	17640	18000
Washington	10990	11070	11110	10820	10860	10790	10560	10320	10110	9130	9080	8910	8840	8790	9090	9020	8980	9240	9360
Wayne	2880	3070	3210	3220	3260	3120	3130	3020	3110	3180	3100	3040	3060	3030	3150	3540	3530	3620	3560
Webster	19480	19310	19470	19380	19380	19290	18710	18530	18470	19800	19800	18980	18980	19020	19520	19800	20220	21010	21590
Winnebago	4590	4680	6830	6510	6610	6480	6130	5610	5910	7350	7600	7070	6740	6730	7080	5930	5420	5320	5300
Winneshiak	10900	11730	11770	11460	11440	11270	11070	10820	10650	12550	11430	11610	11440	11030	11020	11240	11090	10810	10640
Woodbury	53300	53300	54000	53300	53100	53300	50500	48900	48000	50100	49000	47780	45250	44090	44800	43280	42170	43340	43160
Worth	4000	4010	4070	3930	3890	3910	3740	3790	3770	4740	4650	4410	4080	4040	4250	3690	3510	3500	3650
Wright	6780	6820	7020	7030	6780	6740	6870	6890	6860	7700	7490	7140	7180	7370	7870	7740	7530	7280	7260
State of Iowa	1526300	1527900	1533300	1505100	1508700	1497100	1440400	1402300	1386300	1448000	1433000	1369000	1338000	1300000	1312000	1305000	1296000	1328000	1350000

Table 3. Estimates of the Number Unemployed in Iowa's Counties, 1980-1998.

County	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	100	130	150	150	140	140	140	120	100	170	140	150	200	200	200	250	200	180	190
Adams	70	140	220	70	80	80	90	110	90	100	90	110	130	160	140	150	150	110	110
Allamakee	350	350	390	390	370	350	440	390	400	450	390	480	580	770	690	630	650	610	580
Appanoose	300	320	380	370	370	360	420	430	420	410	400	460	580	660	620	760	850	610	640
Audubon	100	120	130	120	100	90	110	110	120	130	120	190	280	320	280	260	210	180	140
Benton	350	410	500	500	480	460	550	570	580	490	480	620	810	900	710	950	1370	820	570
Black Hawk	2500	2600	3100	3000	3400	3800	4200	3900	3500	3300	3500	4870	7570	8620	7410	8590	8160	5520	4870
Boone	320	390	380	410	470	480	570	630	530	500	460	630	770	780	670	920	880	620	570
Bremer	300	300	400	400	400	500	600	600	400	400	400	710	980	960	810	1030	1040	720	640
Buchanan	440	440	530	480	520	580	640	580	520	520	490	680	930	1120	1040	1300	1080	770	710
Buena Vista	220	240	280	260	310	300	290	260	260	250	320	370	490	540	490	550	740	470	340
Butler	320	330	430	410	450	440	530	470	330	360	390	540	730	750	630	870	770	590	510
Calhoun	130	160	200	180	180	190	180	160	120	160	200	260	340	440	310	350	360	290	210
Carroll	310	400	410	440	390	380	360	410	440	540	500	640	790	880	660	760	890	820	630
Cass	290	380	420	350	370	390	400	410	410	370	360	470	520	680	700	510	470	450	370
Cedar	240	290	370	270	290	310	350	280	250	310	370	400	530	600	440	550	580	340	280
Cerro Gordo	780	860	1090	920	1190	1340	1550	1430	1310	1260	1330	1470	1820	2060	1700	1890	1900	1760	1490
Cherokee	180	210	240	220	230	200	220	200	180	240	260	440	510	400	360	380	390	430	290
Chickasaw	290	360	440	390	440	450	500	480	420	400	400	540	760	910	760	970	840	770	780
Clarke	160	170	220	240	270	340	300	290	210	240	270	280	350	360	330	350	390	330	290
Clay	290	280	270	280	290	270	290	300	200	260	290	420	540	690	710	550	560	560	480
Clayton	500	510	660	560	570	540	590	550	500	570	580	660	820	1070	920	970	1050	840	820
Clinton	850	1020	1330	1320	1250	1350	1610	1590	1470	1590	1620	1780	2110	2510	2370	3010	3310	2200	1590
Crawford	240	290	310	300	320	390	370	380	480	670	640	460	550	620	560	570	650	490	350
Dallas	400	400	500	400	500	500	600	600	600	1000	600	690	970	880	840	1040	980	840	790
Davis	140	160	170	180	190	190	220	250	140	210	270	320	420	360	310	420	390	300	200
Decatur	190	170	220	270	230	300	290	250	240	130	200	240	310	300	260	330	250	220	200
Delaware	420	480	620	470	510	510	510	480	400	520	400	500	680	950	750	950	930	730	680
Des Moines	740	930	1170	1040	1110	1280	1440	1320	1150	1350	1410	1490	1910	2290	2060	2500	2470	1950	1580
Dickinson	310	360	330	330	400	320	310	300	260	280	370	470	680	800	610	580	560	470	400
Dubuque	1600	1900	2900	1800	1900	2100	2600	2900	2700	2700	2400	2670	3370	4040	3580	5170	6140	4830	3910
Emmet	200	250	250	270	290	250	320	330	310	290	300	430	640	800	620	800	780	430	340
Fayette	440	370	470	480	440	510	590	550	430	470	490	670	990	1130	1000	1160	1200	770	780

Table 3. Estimates of the Number Unemployed in Iowa's Counties, 1980-1998 (continued).

County	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Floyd	330	390	450	440	730	610	600	580	450	440	490	630	890	1300	850	1310	1120	960	1020
Franklin	180	200	200	180	200	210	260	240	230	230	270	390	390	420	380	500	440	260	260
Fremont	100	100	150	120	140	200	220	180	130	160	170	200	300	390	360	290	270	180	130
Greene	150	130	170	220	220	210	220	240	240	350	250	290	400	500	430	430	440	380	350
Grundy	140	170	240	230	190	190	230	200	150	190	260	280	400	410	380	490	380	240	280
Guthrie	150	190	210	200	230	240	250	250	210	340	200	280	410	380	320	320	350	320	270
Hamilton	230	270	280	350	270	300	430	350	390	370	300	370	570	580	560	590	540	510	410
Hancock	150	170	190	200	200	230	340	340	360	300	220	300	480	600	340	430	520	370	530
Hardin	340	390	380	380	310	380	500	530	440	400	510	640	620	600	610	530	520	470	370
Harrison	230	270	300	340	360	360	430	380	280	400	440	440	530	630	530	640	600	390	320
Henry	290	310	380	360	370	380	490	440	350	470	450	550	610	740	700	810	800	760	590
Howard	170	180	230	200	190	190	210	190	180	270	310	270	390	470	360	430	440	350	350
Humboldt	110	130	140	130	170	180	180	200	160	170	160	240	380	420	380	400	370	300	290
Ida	100	120	110	110	100	100	110	140	100	130	130	140	170	210	170	150	140	130	140
Iowa	200	240	270	230	200	220	230	210	200	200	220	270	450	520	340	420	580	420	270
Jackson	450	560	690	600	560	550	690	680	650	780	810	770	930	1180	990	1410	1400	1040	910
Jasper	450	530	650	620	610	680	720	790	630	740	750	860	1110	1080	1140	1380	1680	1280	1260
Jefferson	300	340	310	360	460	410	490	400	350	440	440	590	680	580	510	620	780	540	470
Johnson	1500	1600	1900	1800	1700	1700	2000	1700	1800	900	1100	1210	1540	1710	1320	1710	1930	2110	1530
Jones	270	360	420	410	400	460	570	470	440	400	370	500	600	750	660	830	900	610	550
Keokuk	230	250	260	240	230	260	320	270	240	290	320	340	480	500	450	520	560	550	450
Kossuth	240	240	300	340	350	330	440	490	390	430	460	580	750	840	630	710	800	700	690
Lee	820	1070	1220	990	1100	1430	1590	1470	1210	1380	1530	1790	1920	1950	1820	2250	2470	1930	1540
Linn	2100	2800	3200	3000	3300	3600	4200	4700	5300	3600	3600	4760	5560	6150	6020	7000	8270	7100	5820
Louisia	180	270	300	260	270	330	370	310	260	310	280	340	420	520	420	540	340	230	210
Lucas	150	170	210	230	230	280	300	240	250	230	210	270	300	380	340	320	360	290	280
Lyon	130	130	170	160	150	160	150	130	120	150	170	190	270	260	260	270	200	260	270
Madison	220	290	310	320	320	310	350	360	270	320	330	310	460	410	400	470	460	420	340
Mahaska	270	320	390	390	350	430	440	480	410	500	380	470	680	850	630	700	800	660	560
Marion	460	550	620	590	560	600	590	620	580	550	520	540	640	560	580	750	840	660	630
Marshall	570	640	760	680	620	840	830	730	660	770	810	1190	1430	1550	1560	2080	1860	1190	1070
Mills	140	190	210	200	220	220	280	230	220	230	210	270	390	430	340	300	290	260	210
Mitchell	150	140	200	190	230	210	210	220	200	210	210	280	430	550	410	590	490	500	480

Table 3. Estimates of the Number Unemployed in Iowa's Counties, 1980-1998 (continued).

County	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Monona	180	170	200	170	180	200	220	190	160	230	290	340	400	440	400	380	390	320	290
Monroe	130	180	190	190	170	210	220	230	200	250	260	310	480	490	490	550	620	460	330
Montgomery	200	310	390	230	240	250	300	250	270	320	240	280	390	540	450	400	400	340	330
Muscatine	590	880	1070	720	810	890	1210	1170	1010	1090	1110	1270	1530	1580	1420	1660	1510	1200	980
O'Brien	190	190	200	210	210	200	230	180	150	180	230	320	390	380	390	350	330	320	270
Osceola	100	110	120	130	120	110	130	120	100	140	190	170	260	270	240	240	260	220	170
Page	250	290	380	330	340	350	490	480	390	410	350	430	560	710	610	700	670	430	360
Palo Alto	140	150	180	170	180	180	170	190	180	190	200	200	320	460	430	470	410	350	290
Plymouth	350	420	510	500	370	360	470	400	360	420	490	560	660	830	680	620	650	600	480
Pocahontas	100	110	140	160	120	120	160	130	90	120	140	180	240	290	250	310	360	250	190
Polk	4600	5600	6200	5500	6000	7300	7400	6900	6100	7100	7400	8350	10350	11250	9900	12180	13300	12130	9320
Pottawattamie	1200	1700	1600	1500	1700	1900	2300	2000	1700	2300	2300	2860	3270	3380	3480	2770	3390	3400	2540
Poweshiek	320	390	530	420	430	500	470	440	450	380	340	390	500	620	560	660	690	500	530
Ringgold	80	80	110	110	100	100	110	110	100	120	130	180	160	180	200	290	190	130	120
Sac	190	210	240	230	230	200	190	220	230	300	330	350	460	530	540	650	690	410	310
Scott	2300	2700	3300	3000	3400	4000	4800	4000	3300	5000	5700	5370	5950	6240	5810	7790	8360	6010	3950
Shelby	170	230	270	260	320	310	380	350	270	330	340	380	490	630	590	390	370	330	260
Sioux	480	480	560	510	520	440	470	430	410	330	370	580	690	740	650	660	710	750	670
Story	1150	1210	1300	1260	1350	1380	1640	1640	1510	710	720	940	1260	1310	1220	1680	1630	1520	1310
Tama	260	310	440	380	380	410	460	420	360	370	410	560	670	680	420	440	470	310	280
Taylor	110	190	240	170	200	130	150	140	110	140	120	210	250	290	260	310	210	140	130
Union	230	250	330	290	330	300	280	360	300	270	310	400	420	450	520	540	460	430	370
Van Buren	120	150	170	170	170	170	200	200	120	280	280	340	360	380	290	380	410	310	290
Wapello	680	1150	960	900	930	1060	1240	1300	990	1070	1160	1570	2190	1960	1710	2090	2040	1970	1360
Warren	500	500	500	500	500	700	700	600	500	600	700	810	870	970	840	940	1050	1040	850
Washington	280	340	420	350	340	370	400	360	280	390	430	560	760	790	590	720	650	580	520
Wayne	120	140	170	130	130	180	180	120	90	100	150	190	200	250	230	270	230	170	160
Webster	600	700	770	850	880	990	1170	1000	990	1010	1000	1220	1590	1860	1660	1800	1780	1520	1330
Winnebago	130	140	180	180	180	220	240	360	490	290	190	280	380	520	260	330	400	370	560
Winneshiek	440	470	580	570	620	650	700	610	630	570	620	750	880	910	820	890	790	830	700
Woodbury	1600	1900	2100	1700	1800	1700	2300	2500	2200	2200	2700	3410	4060	4160	3600	3500	3720	3660	2950
Worth	130	130	160	140	180	190	200	230	260	240	220	240	350	400	290	320	320	310	320
Wright	170	190	240	280	250	280	340	290	250	280	300	350	460	630	480	510	450	370	380
State of Iowa	43500	51500	59800	54400	57600	62800	71300	68100	61700	65000	67000	80000	101000	112000	99000	115000	121000	99000	82000

Table 4. Estimated Unemployment Rates in Iowa's Counties, 1980-1998.

County	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	2.5	2.9	3.4	3.4	3.3	3.3	3.4	3.0	2.5	3.7	3.0	3.4	4.5	4.5	4.5	5.5	4.5	4.0	4.2
Adams	3.3	5.9	9.2	3.1	3.3	3.4	3.9	4.6	3.7	3.2	2.7	3.6	4.5	5.6	4.6	5.4	5.6	4.2	4.1
Allamakee	4.8	4.6	5.0	5.1	4.8	4.7	6.0	5.4	5.6	5.9	5.2	6.4	7.7	10.4	9.3	8.8	9.3	8.8	8.2
Appanoose	4.4	4.7	5.6	5.5	5.5	5.2	6.2	6.5	6.6	6.3	6.0	7.3	9.4	11.3	10.5	13.1	14.1	10.1	10.5
Audubon	3.0	3.5	3.6	3.2	2.8	2.4	2.9	2.9	3.3	3.7	3.5	5.4	7.7	8.6	7.2	6.4	5.2	4.4	3.4
Benton	3.0	3.5	4.1	4.2	4.1	4.0	4.9	5.1	5.1	4.5	4.4	6.1	7.5	8.5	6.7	8.8	12.5	7.5	5.1
Black Hawk	3.5	3.8	4.5	4.5	4.9	5.5	6.4	6.1	5.6	5.4	5.7	8.4	12.8	14.4	12.0	13.2	12.1	8.0	7.0
Boone	2.3	2.7	2.7	3.0	3.4	3.6	4.3	4.9	4.2	3.9	3.6	5.2	6.3	6.5	5.6	7.5	7.3	5.0	4.6
Bremer	2.5	2.5	2.9	3.0	3.2	4.0	4.6	5.0	3.5	3.7	4.1	7.0	9.7	9.4	7.6	9.2	9.7	6.8	5.9
Buchanan	3.9	4.0	4.8	4.5	4.8	5.6	6.4	5.9	5.4	5.2	4.9	6.9	9.3	11.3	10.3	11.5	9.7	7.1	6.3
Buena Vista	2.0	2.2	2.5	2.4	2.7	2.7	2.7	2.5	2.6	2.2	2.7	3.3	4.5	4.9	4.5	5.0	7.2	4.5	3.2
Butler	4.1	4.2	5.3	5.1	5.5	5.5	6.7	6.2	4.5	4.8	5.3	7.2	9.5	9.7	8.0	10.7	9.8	7.5	6.2
Calhoun	2.8	3.1	3.8	3.4	3.5	3.5	3.5	3.2	2.4	2.9	3.5	4.8	6.1	7.8	5.4	5.7	5.8	4.7	3.4
Carroll	2.4	3.2	3.4	3.7	3.2	3.1	3.1	3.7	4.1	4.6	4.3	5.8	7.1	7.9	5.9	6.2	7.4	6.7	5.4
Cass	3.9	4.9	5.4	4.6	4.7	5.0	5.2	5.5	5.4	4.3	4.2	5.7	6.2	8.0	8.0	5.5	5.2	5.1	4.2
Cedar	2.6	3.0	3.8	2.8	3.0	3.2	3.8	3.0	2.8	3.2	3.8	4.4	5.9	6.8	4.9	6.5	6.8	4.1	3.3
Cerro Gordo	2.9	3.2	4.0	3.5	4.6	5.2	6.1	5.5	5.2	4.8	5.0	5.7	7.1	8.1	6.9	7.8	7.9	7.1	6.2
Cherokee	2.7	3.0	3.4	3.2	3.2	2.8	3.2	2.9	2.7	3.4	3.6	6.2	6.8	5.4	4.8	4.9	5.1	5.6	3.8
Chickasaw	3.9	4.8	5.7	5.1	5.7	6.0	6.8	6.8	5.9	5.5	5.5	7.5	10.4	12.2	10.4	13.2	11.8	10.7	10.6
Clarke	3.7	4.1	5.5	6.1	6.9	8.3	7.0	6.7	5.0	5.2	6.2	6.7	8.5	9.0	8.4	7.4	8.6	7.0	6.0
Clay	2.9	2.8	2.6	2.9	3.0	2.8	3.2	3.4	2.2	2.8	3.1	4.8	6.2	7.8	7.8	5.6	5.7	5.6	4.7
Clayton	4.9	4.7	6.1	5.3	5.9	5.6	6.2	6.0	5.4	5.6	5.7	6.8	8.2	10.8	9.1	9.2	10.2	8.2	8.0
Clinton	3.1	3.7	4.8	4.9	4.6	4.9	6.0	6.1	5.8	6.7	6.8	7.7	9.1	10.8	9.9	11.8	12.5	8.2	5.7
Crawford	2.8	3.3	3.4	3.4	3.6	4.3	4.2	4.5	5.6	7.5	6.9	5.0	6.0	6.8	6.1	5.4	6.4	4.8	3.6
Dallas	1.8	2.2	2.3	2.4	2.8	3.0	3.7	3.7	3.7	5.9	3.4	4.5	6.4	5.9	5.3	6.7	7.2	6.3	5.9
Davis	3.3	3.9	4.0	4.1	4.3	4.4	5.4	6.2	3.6	5.5	6.9	8.6	10.9	9.8	8.2	11.4	10.5	8.1	5.6
Decatur	5.1	4.5	5.8	6.7	5.8	7.5	7.5	6.5	6.3	3.3	5.1	6.1	7.6	7.1	6.4	8.3	6.0	5.4	4.8
Delaware	4.5	5.0	6.5	5.1	5.5	5.6	5.6	5.4	4.6	5.9	4.6	5.9	8.1	11.2	8.6	10.4	10.4	8.2	7.6
Des Moines	3.1	4.0	4.9	4.5	4.7	5.4	6.3	5.9	5.2	5.8	6.1	6.6	8.6	10.7	9.6	13.1	12.8	9.9	8.0
Dickinson	3.2	3.6	3.2	3.4	4.2	3.4	3.5	3.6	3.2	2.9	3.9	5.4	7.9	9.4	7.0	7.5	7.5	6.3	5.4
Dubuque	3.2	3.9	5.8	3.7	3.7	4.1	5.5	6.1	5.9	6.0	5.5	6.1	7.8	9.5	8.5	12.1	14.2	10.7	8.6
Emmet	3.5	4.4	4.4	4.8	5.1	4.4	5.6	5.8	5.6	5.7	5.9	8.5	12.3	14.8	10.9	13.5	12.7	6.8	5.4
Fayette	4.0	3.3	4.0	4.2	3.8	4.8	5.5	5.3	4.2	4.5	4.7	6.5	9.1	10.2	8.7	10.1	10.5	6.8	6.7

Table 4. Estimated Unemployment Rates in Iowa's Counties, 1980-1998 (continued).

County	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Floyd	4.4	4.9	5.3	5.4	8.7	7.0	6.9	6.7	5.3	5.0	5.7	7.5	10.6	15.3	9.9	17.1	14.5	12.4	12.8
Franklin	3.0	3.3	3.2	2.9	3.3	3.6	4.4	4.2	4.0	4.3	5.1	7.1	6.8	7.3	6.7	7.9	6.9	4.1	4.0
Fremont	2.7	2.8	3.9	3.1	3.5	5.0	5.7	4.9	3.5	3.7	3.9	4.7	6.9	8.5	7.5	4.8	4.6	3.1	2.3
Greene	3.0	2.6	3.3	4.2	4.2	4.0	4.3	4.8	4.9	6.7	4.7	5.6	7.6	9.4	8.0	8.0	8.3	7.2	6.2
Grundy	2.4	2.7	3.9	3.9	3.0	3.1	3.8	3.4	2.6	2.8	3.9	4.3	6.0	6.1	5.4	7.6	6.0	3.9	4.5
Guthrie	2.6	3.1	3.5	3.4	3.9	4.0	4.3	4.4	3.9	6.3	3.9	5.4	7.6	7.1	6.1	5.6	6.2	5.7	4.7
Hamilton	2.8	3.2	3.2	4.1	3.1	3.6	5.0	4.1	4.7	3.6	2.9	3.9	6.1	6.3	6.0	6.4	6.0	5.7	4.7
Hancock	1.6	1.9	3.1	3.2	3.2	3.9	5.7	5.7	5.8	4.7	3.4	4.9	7.8	9.7	5.6	6.4	7.7	5.2	7.4
Hardin	3.6	4.1	4.0	3.9	3.2	4.0	5.3	5.6	4.7	4.2	5.2	6.5	6.2	6.0	6.0	4.9	4.8	4.3	3.4
Harrison	3.0	3.5	3.9	4.5	4.7	4.8	5.7	5.3	3.9	5.7	6.2	6.5	7.8	9.1	7.5	8.6	8.2	5.5	4.5
Henry	2.7	2.7	3.4	3.3	3.4	3.5	4.6	4.3	3.5	3.8	3.8	5.0	5.8	7.4	7.4	8.1	8.1	7.6	6.0
Howard	3.1	3.3	4.2	3.7	3.6	3.8	4.4	4.1	3.9	5.4	6.2	5.4	7.8	9.3	7.2	7.8	8.1	6.5	6.2
Humboldt	2.0	2.3	2.4	2.5	3.2	3.3	3.4	4.0	3.2	3.2	2.9	4.6	7.0	7.6	6.8	7.3	6.8	5.4	5.3
Ida	2.4	2.9	2.7	2.7	2.5	2.5	2.8	3.7	2.6	2.7	2.7	3.2	4.0	5.0	4.1	3.3	3.2	3.1	3.3
Iowa	2.2	2.6	2.8	2.5	2.1	2.3	2.5	2.5	2.5	2.3	2.7	3.3	5.6	6.5	4.1	4.7	6.7	4.7	2.9
Jackson	4.4	5.3	6.4	5.7	5.1	5.0	6.5	6.6	6.5	7.2	7.5	7.5	9.3	11.7	9.8	13.5	13.5	10.1	8.8
Jasper	2.4	2.8	3.4	3.3	3.3	3.7	4.0	4.4	3.5	4.1	4.1	4.9	6.4	6.2	6.6	8.6	10.6	8.0	7.7
Jefferson	2.9	3.2	3.2	3.8	4.7	4.3	5.4	4.7	4.1	4.8	4.8	7.0	8.0	7.2	6.4	8.3	10.3	7.0	6.0
Johnson	2.3	2.5	2.9	2.7	2.6	2.7	3.3	2.9	3.1	1.5	1.8	2.0	2.6	3.1	2.4	3.5	4.2	4.7	3.5
Jones	2.8	3.7	4.2	4.3	4.2	4.8	5.9	5.0	4.7	4.2	4.0	5.6	6.8	8.6	7.5	8.5	9.1	6.3	5.5
Keokuk	4.3	4.6	4.9	4.8	4.5	5.0	6.1	5.1	4.5	5.0	5.6	6.1	8.2	8.4	7.8	9.8	10.5	10.5	8.6
Kossuth	2.7	2.6	3.3	3.9	3.9	3.7	4.9	5.5	4.4	4.6	5.0	6.4	7.8	8.6	6.5	6.4	7.2	6.3	6.0
Lee	4.3	5.4	6.1	5.1	5.6	7.3	8.1	7.5	6.4	7.5	8.3	9.7	10.3	10.5	9.7	11.1	12.0	9.0	7.2
Linn	1.9	2.6	2.9	2.8	3.1	3.4	4.2	4.9	5.5	3.7	3.7	5.2	6.2	7.2	7.2	8.3	9.7	8.1	6.5
Louisa	3.5	4.7	4.6	4.1	4.1	5.0	5.8	5.1	4.4	4.0	3.6	5.1	7.2	10.2	8.5	11.0	6.1	3.7	3.9
Lucas	3.6	4.3	5.3	5.5	5.3	6.3	6.8	5.6	5.9	4.7	4.3	5.6	6.1	7.6	6.8	6.9	7.8	6.3	6.2
Lyon	2.3	2.3	2.8	2.7	2.5	2.8	2.6	2.3	2.1	2.4	2.8	3.3	4.6	4.7	4.5	4.4	3.3	4.3	4.2
Madison	2.8	3.9	4.0	4.2	4.3	4.5	5.4	5.7	4.2	5.2	5.2	5.2	7.9	7.4	7.1	8.2	8.0	7.3	5.8
Mahaska	2.4	2.8	3.5	3.5	3.1	3.9	4.1	4.5	3.9	4.8	3.6	4.6	6.7	8.4	6.3	7.2	8.3	6.7	5.6
Marion	2.6	3.1	3.4	3.3	3.3	3.5	3.6	3.9	3.7	3.4	3.2	3.5	4.3	3.9	4.2	4.6	5.3	4.0	3.9
Marshall	2.8	3.1	3.6	3.3	2.9	4.0	4.1	3.6	3.3	3.8	4.1	6.1	7.2	7.9	7.6	10.6	9.5	6.2	5.5
Mills	2.3	3.1	3.3	3.2	3.3	3.4	4.2	3.5	3.4	4.1	3.8	4.9	7.0	7.4	5.6	4.7	4.4	4.1	3.3
Mitchell	2.8	2.4	3.6	3.3	4.0	3.8	4.0	4.3	3.9	3.6	3.6	5.0	7.5	9.5	7.3	9.6	8.0	8.2	8.0

Table 4. Estimated Unemployment Rates in Iowa's Counties, 1980-1998 (continued).

County	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Monona	3.5	3.2	3.8	3.4	3.5	3.9	4.5	4.3	3.6	4.8	6.1	7.3	8.4	9.0	7.8	6.9	7.3	6.0	5.4
Monroe	3.1	4.2	4.4	4.6	4.1	5.0	5.5	5.9	5.4	6.3	7.0	8.4	12.9	12.7	12.9	12.7	14.1	9.3	6.8
Montgomery	3.3	5.0	6.1	3.8	3.9	4.1	5.0	4.2	4.4	5.0	3.9	4.8	6.6	8.9	7.1	6.2	6.3	5.4	5.0
Muscatine	2.7	4.2	4.9	3.4	3.8	4.1	5.6	5.6	4.8	5.0	5.2	6.1	7.3	7.6	6.9	7.7	7.0	5.6	4.8
O'Brien	2.5	2.4	2.5	2.7	2.6	2.6	3.0	2.4	2.1	2.2	2.8	4.1	5.0	4.9	4.9	4.2	4.1	4.1	3.4
Osceola	2.9	2.9	3.1	3.4	3.2	3.0	3.5	3.4	2.8	4.0	5.3	5.0	7.5	7.7	6.5	6.8	7.3	6.3	4.9
Page	2.8	3.1	4.0	3.6	3.7	3.9	5.7	5.9	4.8	4.9	4.1	5.3	6.7	8.3	7.0	7.8	7.4	4.8	4.0
Palo Alto	2.6	2.6	3.2	3.2	3.4	3.4	3.2	3.9	3.7	3.6	3.8	3.9	6.2	8.6	7.6	8.3	7.4	6.5	5.3
Plymouth	2.8	3.3	3.9	4.0	2.9	2.8	3.7	3.2	3.0	3.4	3.9	4.6	5.5	7.1	5.8	5.4	5.7	5.3	4.2
Pocahontas	2.3	2.4	3.2	3.8	2.8	2.8	3.6	3.0	2.1	2.4	2.9	3.7	5.0	6.0	5.0	6.5	7.5	5.2	4.0
Polk	2.2	2.7	2.9	2.6	2.9	3.5	3.7	3.6	3.2	3.6	3.8	4.5	5.8	6.6	5.9	7.5	8.0	7.3	5.6
Pottawattamie	2.6	3.5	3.3	3.2	3.6	4.1	5.0	4.6	3.9	4.7	4.8	6.0	7.0	7.5	7.6	6.6	8.0	8.1	6.2
Poweshiek	3.2	3.8	5.1	4.0	4.2	4.8	4.6	4.5	4.5	3.5	3.1	3.8	5.0	6.4	5.9	6.4	6.7	5.0	5.2
Ringgold	3.3	3.0	3.9	4.0	3.8	3.7	4.0	4.2	3.9	4.7	4.9	7.1	6.1	7.0	7.5	8.7	5.8	3.9	3.7
Sac	3.1	3.3	3.9	3.8	3.7	3.3	3.1	3.7	3.9	5.3	5.7	6.3	8.1	9.3	9.0	10.5	11.0	6.6	4.9
Scott	2.7	3.2	3.8	3.6	4.1	4.7	5.7	5.0	4.2	6.0	6.8	6.6	7.4	8.2	8.0	10.8	11.2	7.9	5.3
Shelby	2.5	3.2	3.8	3.8	4.6	4.5	5.6	5.3	4.1	4.8	4.9	5.7	7.1	8.9	8.4	5.7	5.5	4.9	4.0
Sioux	2.7	2.7	3.2	3.0	3.0	2.6	2.9	2.8	2.7	2.0	2.3	3.8	4.6	4.9	4.4	4.0	4.5	4.7	4.1
Story	2.5	2.7	2.9	2.8	3.0	3.1	3.8	3.9	3.6	1.7	1.7	2.3	3.2	3.4	3.2	4.3	4.3	4.0	3.4
Tama	2.9	3.3	4.6	3.9	4.0	4.5	5.6	5.1	4.4	4.2	4.6	6.3	7.6	7.8	5.0	4.5	4.8	3.3	2.9
Taylor	3.5	5.7	6.9	5.1	6.0	4.1	4.7	4.3	3.6	4.2	3.7	6.2	7.1	8.2	7.1	8.7	5.9	4.0	3.7
Union	3.6	3.8	5.0	4.6	5.2	4.6	4.5	6.0	5.0	4.1	4.7	6.3	6.6	7.3	8.2	7.4	6.3	5.9	5.2
Van Buren	2.8	3.4	4.0	4.1	4.2	4.3	5.3	5.4	3.3	7.7	7.5	9.1	9.5	10.2	7.8	9.7	10.6	8.0	7.6
Wapello	3.9	6.4	5.2	4.9	5.0	5.7	6.9	7.5	5.9	6.8	7.4	10.2	13.5	11.9	10.1	12.7	12.4	11.7	7.9
Warren	1.9	2.1	2.3	2.3	2.3	3.1	3.3	2.9	2.5	2.9	3.5	4.2	4.7	5.2	4.5	5.1	5.7	5.6	4.5
Washington	2.5	3.0	3.7	3.2	3.0	3.3	3.7	3.4	2.7	4.1	4.6	5.9	7.9	8.2	6.1	7.4	6.7	5.9	5.3
Wayne	3.9	4.4	5.1	4.0	3.7	5.3	5.5	3.8	2.8	3.0	4.7	5.9	6.1	7.6	6.8	7.1	6.1	4.5	4.3
Webster	3.0	3.5	3.8	4.2	4.3	4.9	5.9	5.1	5.1	4.9	4.8	6.0	7.7	8.9	7.8	8.3	8.1	6.7	5.8
Winnebago	2.8	2.8	2.5	2.6	2.6	3.2	3.8	6.0	7.6	3.8	2.4	3.8	5.3	7.2	3.5	5.3	6.9	6.5	9.6
Winneshiek	3.9	3.9	4.7	4.7	5.1	5.5	5.9	5.3	5.6	4.3	5.2	6.1	7.1	7.6	6.9	7.3	6.6	7.1	6.2
Woodbury	2.9	3.4	3.7	3.1	3.2	3.1	4.3	4.9	4.4	4.2	5.3	6.7	8.2	8.6	7.4	7.5	8.1	7.8	6.4
Worth	3.1	3.1	3.9	3.4	4.5	4.5	5.1	5.7	6.5	4.8	4.5	5.2	7.9	9.0	6.4	8.0	8.4	8.1	8.1
Wright	2.4	2.7	3.3	3.8	3.6	4.0	4.7	4.0	3.5	3.5	3.8	4.7	6.0	7.9	5.7	6.2	5.6	4.8	5.0
State of Iowa	2.8	3.3	3.8	3.5	3.7	4.0	4.7	4.6	4.3	4.3	4.5	5.5	7.0	7.9	7.0	8.1	8.5	6.9	5.7

Unemployment

Unemployment figures for Iowa during this period reflect the economic difficulties encountered by the state in the first half of the 1980s. Unemployment was 82,000 in 1980, but it was 121,000 in 1982 (Table 3). For four of the five years from 1982 through 1986, unemployment was more than 100,000. Relatively rapid decreases, especially from 1986 through 1988, brought the figure below 62,000 in 1990. That was a decline of 49.0 percent from the period high in 1982. But the number unemployed increased by 6,400 between 1990 and 1991 and by 3,200 between 1991 and 1992. In contrast, a decrease of 8,500 occurred between 1992 and 1993 on the number unemployed. Except for a gain from 1995 to 1996, declining numbers continued through 1998, when the 43,500 figure was lower than any year reported here.

Just as Polk led in labor force and employment numbers, it also had the highest number unemployed (4,600) in 1998. Eight other counties had at least 1,000 unemployed. Thirty-seven counties had fewer than 200 unemployed in 1998, although Adams and Ringgold were the only ones below 100.

Unemployment in 1998 was much lower than the figures for the years 1982 through 1985 in most of Iowa's counties. Ninety counties recorded their highest unemployment for the period during one of those four years. Ninety-four counties had lower numbers unemployed in 1998 than in 1988.

Unemployment Rates

When the number unemployed is divided by the number in the labor force and the result is multiplied by 100, an unemployment rate is obtained. These rates (number unemployed of every 100 in the labor force) were highest in Iowa from 1981 through 1986 (Table 4). The highest annual rate (1982, 8.5%) was about double the rates in 1989 and 1990 (4.3%). The state's unemployment rate increased to 4.7 percent in 1992 but then began another decline until it reached 3.5 percent in 1995, increased slightly to 3.8 percent in 1996, and then fell to 2.8 percent in 1998, the lowest rate recorded in the last 19 years.

For counties in 1998, unemployment rates varied from 1.6 percent (Hancock) to 5.1 percent (Decatur). Unemployment rates in 1998 were much lower than those in 1988. In 1988, 35 counties had unemployment rates of 5.0 percent or greater. Ten years later, only Decatur was above 5.0 percent. Ninety-two counties had lower unemployment rates in 1998 than they did in 1988.

Note: Caution must be exercised in interpreting these numbers. They are based on estimates generated annually by Iowa Workforce Development under guidelines set by the Bureau of Labor Statistics in the U.S. Department of Labor; all states use virtually identical methods to compute labor force statistics.

Employers, Employees, and Average Weekly Wages in Business/ Government Categories in Iowa's Counties: 1992, 1996, and 1997

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Iowa Workforce Development provides annual information on Iowans covered by unemployment insurance. The number of business and government employing units, employees, and average weekly wage are reported. Of Iowa's nearly 94,900 employers with covered workers in 1997, 94.0% were private businesses that were distributed among seven industrial sectors (agriculture and mining; construction; finance, insurance, and real estate; manufacturing; transportation, communication, and utilities; services; wholesale and retail trade) and the remainder were government agencies (federal, state, local). These figures exclude proprietors, the self-employed, unpaid family members, and most agriculture employees, elected officials, and railroad workers. Additional detail on the employer categories is included at the end of this section.

Private Business

Private businesses in Iowa's counties totaled 89,200 in 1997 (Table 1), an increase of 700 from 1996 (Table 2) and 3,600 from 1992 (Table 3). Such businesses increased in 65 counties from 1992 to 1997, with Polk's gain of 808 employers substantially exceeding all others. Dallas, Jefferson, Johnson, Linn, Scott, Story, and Woodbury also increased by at least 100 private-sector businesses that had covered workers. Among those with fewer employers in 1997 than in 1992, only Cass, Crawford, and Winneshiek declined by at least 30 businesses.

Among the seven industrial sectors that comprise private business, wholesale and retail trade had the most employers with services a close second in 1997. Trade, however, was the only sector with fewer businesses statewide in 1997 than in 1992, declining by about 1,500 to nearly 30,800 over the five years. Service employers increased by nearly 2,100 to 28,500 during the same period. In 1992, 97 of the 99 counties had more employers in trade than any other individual sector; that year, services were highest in Jefferson and Johnson. By 1997, 11 counties (Black Hawk, Clarke, Jefferson, Johnson, Lee, Linn, Mills, Polk, Scott, Wapello, Woodbury) had more businesses in services than any other sector. Indeed, services increased in 70 counties from 1992 to 1997, while 88 counties experienced a decline in the number of employers in the area of trade.

Iowa's agricultural and mining enterprises increased by 532 to 2,750 between 1992 and 1997. Seventy-nine counties had more of these entities by the later year. Statewide, there were fewer businesses in this sector than any of the other six for each year reported. That also was the case for at least 71 counties each year. Manufacturing showed the smallest statewide gain (+253 to a total of 4,750) among those sectors recording an increase between 1992 and 1997. Thirty-one counties had fewer manufacturers in 1997 than in 1992. There were nearly 9,100 construction firms in Iowa in 1997, a gain of 1,270 since 1992. The statewide numerical increase was second only to services among the industrial sectors. All but 14 counties had the same or more of these businesses in the later year as well. One-fourth of the construction companies were located in just three counties (Linn, Polk, Scott) in 1997.

Transportation, communication, and utility firms numbered 5,050 by 1997, up from 4,660 in 1992. Although the state figure increased between 1992 and 1997, 30 counties had fewer of these firms at the end of the period. Businesses involved in finance, insurance, and real estate gained 646 from 1992 to 1997, when nearly 8,400 were noted. Almost 19 percent (1,586) of the state's 8,367 total in 1997 were in Polk alone. Fewer of these firms were counted in 27 counties in 1997 than in 1992, but the decline was less than 10 in all but one county.

Table 1. Employers (ers) and Employees (ees) in Selected Private Business/Government Categories in Iowa's Counties, 1997.

County	Private Business																		Government							
	Grand Total		Private Total		Ag and Mining		Construc-tion		Manufac-turing		Transpor-tation		Trade		Finance		Services		Government Total		State		Local		Federal	
	ers	ees	ers	ees	ers	ees	ers	ees	ers	ees	ers	ees	ers	ees	ers	ees	ers	ees	ers	ees	ers	ees	ers	ees	ers	ees
Adair	296	2606	264	2055	15	117	21	140	8	528	18	113	105	658	20	85	77	410	32	551	5	34	20	482	7	35
Adams	168	1472	141	1172	8	39	13	36	10	288	6	26	49	274	12	52	43	453	27	300	5	14	13	254	9	32
Allamakee	480	5280	438	4316	20	98	40	148	33	1533	33	177	168	1334	29	156	115	865	42	964	6	36	25	854	11	74
Appanoose	426	4809	376	4011	11	64	22	65	25	1471	43	291	129	1094	30	168	116	855	50	798	7	63	32	654	11	81
Audubon	251	1875	223	1395	16	87	23	87	9	175	23	81	80	510	17	73	55	380	28	480	5	14	16	428	7	38
Benton	631	5378	575	3926	25	98	78	304	37	860	43	185	200	1403	50	254	142	818	56	1452	6	168	42	1212	8	72
Black Hawk	3627	67968	3510	58147	73	513	322	2630	194	14804	172	2386	1184	16715	357	3272	1208	17825	117	9821	25	2529	78	6724	14	568
Boone	634	8489	581	6436	25	119	58	308	30	928	40	320	203	2926	48	221	177	1612	53	2053	10	692	31	1251	12	110
Bremer	726	9160	675	7816	30	125	64	477	44	2224	31	139	231	1972	70	976	205	1899	51	1344	6	35	37	1243	8	66
Buchanan	586	5962	533	4374	26	99	70	327	38	1398	43	233	186	1479	57	253	113	583	53	1588	8	410	37	1107	8	71
Buena Vista	730	9357	665	7858	33	274	49	205	38	2596	42	169	238	2576	74	354	191	1681	65	1499	8	67	43	1310	14	122
Butler	454	3362	410	2625	25	77	38	130	27	508	29	121	163	1011	37	152	91	622	44	737	6	31	30	647	8	59
Calhoun	382	3269	345	2397	13	59	34	68	23	233	30	85	114	766	32	183	99	1000	37	872	5	124	24	700	8	48
Carroll	944	11030	890	9785	31	164	109	572	46	1520	58	629	321	3353	78	832	247	2711	54	1245	9	101	33	1042	12	102
Cass	591	6323	542	5016	22	86	39	359	33	1133	34	173	192	1741	51	237	171	1284	49	1307	11	137	29	1089	9	81
Cedar	567	5130	524	4089	23	157	70	222	41	875	42	162	180	1501	35	189	133	981	43	1041	4	39	27	885	12	117
Cerro Gordo	1729	25991	1641	23052	40	247	153	975	75	4537	99	906	586	7270	175	1329	513	7784	88	2939	23	307	51	2450	14	182
Cherokee	458	5571	406	4453	19	125	42	328	24	1184	19	116	153	1523	33	179	116	995	52	1118	9	318	34	744	9	56
Chickasaw	451	4935	411	4242	16	81	64	275	31	1712	20	146	145	1109	31	156	104	759	40	693	7	42	22	594	11	57
Clarke	280	3361	252	2711	7	16	21	31	24	1270	22	81	73	741	21	101	84	467	28	650	4	59	15	552	9	39
Clay	750	9151	694	7767	35	215	63	407	37	1393	46	714	260	2717	57	315	196	2004	56	1384	13	93	31	1207	12	84
Clayton	654	7006	597	5769	27	160	50	523	48	1549	30	127	234	1401	54	211	154	1794	57	1237	11	43	33	1085	13	109
Clinton	1460	21989	1379	19262	37	217	143	943	74	5372	80	876	467	4789	133	736	445	6327	81	2727	8	116	63	2465	10	146
Crawford	573	6832	524	5709	12	59	53	259	26	2016	51	417	188	1637	50	201	144	1116	49	1123	7	83	30	939	12	101
Dallas	997	11692	929	9771	54	528	121	903	49	2561	48	756	306	2208	73	437	278	2375	68	1921	9	66	52	1749	7	106
Davis	219	2129	190	1512	6	21	17	46	17	411	13	69	65	535	9	53	63	374	29	617	5	25	16	552	8	40
Decatur	222	2408	176	1773	8	45	22	71	10	346	14	52	69	485	9	46	44	724	46	635	6	34	30	555	10	46
Delaware	517	5367	466	4255	20	73	55	197	38	1518	29	136	167	1445	28	176	129	706	51	1112	10	97	31	950	10	65
Des Moines	1465	23408	1391	20935	26	118	131	1184	79	6952	91	1048	483	5856	124	674	457	5101	74	2473	13	144	46	2118	15	211
Dickinson	811	8385	761	7353	32	128	94	336	36	2392	36	199	267	2275	73	307	223	1712	50	1032	7	59	35	915	8	58
Dubuque	2867	49004	2782	45311	59	354	332	1790	176	11921	151	2094	974	12148	261	1718	829	15283	85	3693	16	220	53	3165	16	308
Emmet	376	4429	336	3565	9	71	36	242	27	797	19	155	118	1063	28	138	99	1096	40	864	8	30	24	783	8	51
Fayette	738	7710	680	6420	24	103	56	216	38	1382	44	302	255	2123	58	292	205	1999	58	1290	11	80	35	1113	12	97

Table 1. Employers (ers) and Employees (ees) in Selected Private Business/Government Categories in Iowa's Counties, 1997 (continued).

County	Private Business																		Government							
	Grand Total		Private Total		Ag and Mining		Construction		Manufacturing		Transportation		Trade		Finance		Services		Government Total		State		Local		Federal	
	ers	ees	ers	ees	ers	ees	ers	ees	ers	ees	ers	ees	ers	ees	ers	ees	ers	ees	ers	ees	ers	ees	ers	ees	ers	ees
Floyd	527	5597	487	4548	18	182	49	266	22	1039	29	180	168	1439	47	219	154	1222	40	1049	6	41	22	946	12	62
Franklin	396	3556	350	2804	22	81	33	207	25	904	13	69	112	847	46	126	99	567	46	752	6	35	31	671	9	46
Fremont	260	2659	223	2164	15	73	24	81	8	664	20	45	69	691	23	109	64	498	37	495	7	38	23	418	7	39
Greene	351	3094	311	2190	17	46	41	165	17	543	19	106	97	688	27	154	93	485	40	904	6	39	27	820	7	45
Grundy	374	3531	335	2731	22	186	29	286	22	563	32	81	109	959	28	183	93	469	39	800	3	15	29	745	7	40
Guthrie	370	3137	324	2353	16	285	32	159	14	135	26	122	111	888	37	205	88	556	46	784	6	37	29	687	11	60
Hamilton	542	7817	492	6563	37	446	38	315	36	2672	19	122	172	1830	38	230	152	945	50	1254	7	56	34	1137	9	61
Hancock	385	6464	335	5707	22	118	32	92	33	3843	20	107	121	960	30	144	77	439	50	757	5	29	33	674	12	54
Hardin	766	8275	701	6537	57	693	77	412	45	1227	44	179	232	2504	60	298	186	1223	65	1738	9	244	42	1409	14	85
Harrison	467	3837	415	2975	18	77	48	136	24	312	31	124	160	1319	38	142	96	862	52	862	7	48	37	725	8	89
Henry	616	10781	574	9075	24	112	60	341	41	2881	30	295	195	3086	55	208	169	2149	42	1706	15	449	20	1185	7	72
Howard	352	3891	324	3179	12	63	31	123	29	1456	19	95	120	771	32	129	81	539	28	712	4	14	17	661	7	37
Humboldt	373	4057	330	3328	23	153	24	154	29	1111	23	180	123	1195	26	124	82	409	43	729	7	18	27	648	9	63
Ida	313	3569	281	3102	12	40	37	234	12	1057	27	286	98	741	25	138	70	604	32	467	4	15	21	413	7	39
Iowa	587	9723	545	8773	12	209	55	235	39	4273	22	148	255	2777	37	152	125	977	42	950	6	40	29	843	7	67
Jackson	694	6318	639	5086	18	73	81	247	44	1437	36	185	223	1681	56	251	181	1210	55	1232	11	67	34	1078	10	87
Jasper	974	14065	901	11614	39	200	97	524	47	4832	47	424	313	3161	80	423	278	2046	73	2451	8	338	52	1994	13	119
Jefferson	817	8975	781	7895	13	73	48	210	48	2265	49	1057	231	2040	76	297	316	1951	36	1080	8	88	20	905	8	87
Johnson	3073	57689	2986	37595	69	378	354	2169	101	4490	107	2190	918	12964	257	1866	1180	13534	87	20094	21	14900	48	3634	18	1560
Jones	582	5867	535	4545	19	108	73	267	39	1256	38	184	179	1569	50	202	137	955	47	1322	11	435	27	824	9	63
Keokuk	333	2564	291	1963	18	123	38	163	17	403	24	93	112	707	21	123	61	349	42	601	4	24	28	512	10	65
Kossuth	636	6399	575	5244	34	225	57	296	36	1101	37	148	213	1846	59	476	139	1149	61	1155	8	40	41	1034	12	81
Lee	1253	18719	1172	16399	22	126	131	818	89	6066	61	762	382	3844	99	486	388	4294	81	2320	14	584	57	1619	10	117
Linn	6161	110636	5989	99528	108	674	632	5276	282	21847	301	7978	1991	25356	558	5850	2117	32544	172	11108	23	624	114	9383	35	1101
Louisa	274	3510	232	2787	10	48	17	56	13	1424	22	129	83	637	24	100	63	388	42	723	7	26	25	633	10	64
Lucas	257	3026	219	2296	6	19	20	60	11	245	16	38	85	1477	22	133	59	321	38	730	9	78	22	611	7	41
Lyon	399	3385	367	2779	23	76	35	122	25	771	37	160	123	900	32	120	92	627	32	606	5	25	19	536	8	45
Madison	395	3483	355	2686	21	195	59	224	17	551	18	46	113	852	36	159	91	656	40	797	4	18	27	725	9	54
Mahaska	684	7566	635	6394	26	143	55	358	41	1335	54	414	218	2219	51	276	190	1647	49	1172	9	59	30	1032	10	81
Marion	880	16314	823	13922	18	155	96	459	47	6727	49	416	293	2863	74	296	246	3003	57	2392	8	51	31	1354	18	987
Marshall	1129	19011	1054	15722	27	335	97	696	48	5558	78	892	368	4173	96	559	340	3506	75	3289	14	980	48	2171	13	138
Mills	318	3557	281	1988	13	41	34	95	12	75	18	111	84	626	30	140	90	897	37	1569	8	841	21	678	8	50
Mitchell	387	3626	348	2950	27	140	34	135	23	956	23	83	128	796	27	143	86	694	39	676	4	15	27	612	8	49

Table 1. Employers (ers) and Employees (ees) in Selected Private Business/Government Categories in Iowa's Counties, 1997 (continued).

County	Private Business																		Government							
	Grand Total		Private Total		Ag and Mining		Construc-tion		Manufac-turing		Transpor-tation		Trade		Finance		Services		Government Total		State		Local		Federal	
	ers	ees	ers	ees	ers	ees	ers	ees	ers	ees	ers	ees	ers	ees	ers	ees	ers	ees	ers	ees	ers	ees	ers	ees	ers	ees
Monona	360	3613	318	2959	14	64	25	107	13	200	18	114	134	986	19	127	95	1359	42	654	8	41	26	554	8	59
Monroe	244	2943	216	2418	4	15	21	253	16	982	19	63	75	544	14	64	67	494	28	525	4	24	18	468	6	33
Montgomery	445	5343	400	4412	15	187	39	240	20	1263	24	199	138	1269	40	151	124	1099	45	931	8	60	26	807	11	64
Muscatine	1166	20916	1105	18014	33	213	129	743	87	7716	73	931	352	3634	89	571	342	4205	61	2902	10	84	39	2688	12	130
O'Brien	617	6153	565	5027	23	105	60	241	21	780	44	284	207	1761	45	263	165	1589	52	1126	8	34	35	1027	9	65
Osceola	248	2239	220	1886	8	87	35	116	18	592	20	105	67	459	20	112	52	412	28	353	4	14	18	306	6	33
Page	597	7357	540	5875	19	99	53	195	27	1859	37	181	194	1952	42	224	168	1360	57	1482	11	440	36	966	10	76
Palo Alto	404	3738	361	2732	24	93	37	149	28	652	37	145	111	872	28	120	96	697	43	1006	6	18	28	939	9	49
Plymouth	736	8709	690	7403	33	255	90	398	33	1768	50	665	233	2544	62	375	189	1394	46	1306	7	40	30	1184	9	82
Pocahontas	333	3067	289	2390	13	63	24	67	25	843	15	74	104	755	29	130	79	455	44	677	4	19	30	612	10	46
Polk	14151	247363	13739	216304	236	1712	1100	10230	522	21950	612	12260	4675	65973	1586	36719	5008	67457	412	31059	160	8019	181	17122	71	5918
Pottawattamie	2312	34680	2196	29809	44	255	242	1118	97	4349	141	1325	776	9755	180	1260	716	11746	116	4871	28	533	71	4104	17	234
Poweshiek	642	9096	601	8158	19	89	71	544	49	1918	38	600	191	2120	50	779	183	2105	41	938	6	47	28	826	7	65
Ringgold	175	1454	142	968	15	78	17	90	9	159	11	51	44	331	14	42	32	215	33	486	6	23	19	428	8	35
Sac	478	3432	435	2686	33	131	43	217	28	232	28	172	165	1007	40	155	98	769	43	746	7	41	25	652	11	53
Scott	5347	83928	5208	75349	84	581	537	4751	256	13871	214	4510	1814	23533	474	2974	1829	25126	139	8579	18	437	98	6998	23	1144
Shelby	468	4962	425	4024	17	51	38	253	16	265	36	349	164	1585	37	204	117	1314	43	938	7	33	28	844	8	61
Sioux	1144	14916	1078	13133	60	429	142	738	94	4547	70	361	358	3753	97	548	257	2755	66	1783	5	31	43	1643	18	109
Story	2222	38329	2119	24361	55	480	222	1734	91	3568	81	716	741	9329	191	1024	738	7507	103	13968	20	8768	59	4224	24	976
Tama	490	5698	440	4673	19	107	43	210	22	959	29	144	159	1264	39	168	129	1820	50	1025	8	154	31	781	11	90
Taylor	205	1669	169	1195	9	62	20	37	12	381	15	81	59	322	15	61	39	248	36	474	5	19	22	407	9	48
Union	426	5975	368	4710	13	62	44	152	22	1471	16	167	124	1484	32	159	117	1212	58	1265	11	90	36	1083	11	92
Van Buren	234	2082	184	1459	13	76	14	52	18	662	16	52	62	291	19	77	42	245	50	623	6	24	34	554	10	45
Wapello	1055	15071	982	12406	17	72	96	603	34	2556	65	791	332	3951	86	400	352	4030	73	2665	16	195	46	2323	11	147
Warren	831	8007	772	6184	21	116	121	684	36	516	43	214	241	2374	76	235	234	2042	59	1823	5	56	42	1648	12	119
Washington	698	6768	649	5502	31	174	84	407	45	1311	38	181	235	1894	51	231	165	1301	49	1266	7	61	31	1129	11	76
Wayne	235	1952	200	1404	7	16	13	25	16	462	15	61	74	479	20	80	55	278	35	548	6	21	19	482	10	45
Webster	1434	18924	1367	16203	34	188	139	815	76	2817	67	1576	479	5200	138	571	434	5034	67	2721	16	214	37	2206	14	301
Winnebago	399	5379	367	4584	12	41	45	186	25	1284	30	633	126	1035	33	175	96	1226	32	795	7	25	19	717	6	53
Winneshiek	645	9495	594	7748	34	251	54	695	25	1771	36	252	237	2028	39	258	169	2491	51	1747	8	77	31	1578	12	92
Woodbury	3389	52511	3242	46324	64	300	333	3176	140	7129	181	3167	1103	14194	277	1919	1144	16434	147	6187	25	450	84	4926	38	811
Worth	219	1883	190	1489	12	27	25	131	12	580	6	38	62	351	22	79	51	279	29	394	3	19	20	337	6	38
Wright	561	6068	510	5065	50	459	49	302	36	1498	38	265	163	1566	52	211	122	760	51	1003	6	23	34	901	11	79
State of Iowa	94895	1369256	89198	1153554	2750	17571	9076	59844	4750	253317	5051	61659	30751	345639	8367	79453	28453	335768	5697	215702	1023	46755	3534	148599	1140	20348

Table 2. Employers (ers) and Employees (ees) in Selected Private Business/Government Categories in Iowa's Counties, 1996.

County	Private Business																			Government						
	Grand Total		Private Total		Ag and Mining		Construc-tion		Manufac-turing		Transpor-tation		Trade		Finance		Services		Government Total		State		Local		Federal	
	ers	ees	ers	ees	ers	ees	ers	ees	ers	ees	ers	ees	ers	ees	ers	ees	ers	ees	ers	ees	ers	ees	ers	ees	ers	ees
Adair	283	2604	252	2074	13	103	24	138	10	556	18	109	102	669	17	82	68	414	31	530	5	37	19	456	7	37
Adams	165	1431	139	1159	8	43	15	31	9	271	6	27	50	263	11	52	40	468	26	272	5	13	12	225	9	34
Allamakee	476	5230	434	4273	22	84	36	138	35	1512	29	193	168	1346	30	156	114	841	42	957	6	36	25	845	11	76
Appanoose	434	4580	383	3779	13	63	26	60	20	1323	43	291	136	1063	27	133	118	843	51	801	7	66	32	654	12	81
Audubon	247	1932	220	1433	13	62	19	80	11	217	22	81	79	524	18	79	58	389	27	499	4	13	16	446	7	40
Benton	619	5307	565	3900	19	77	76	287	32	809	42	182	199	1417	52	243	145	881	54	1407	6	170	42	1165	6	72
Black Hawk	3621	65867	3497	56025	73	467	307	2487	189	14425	159	2084	1193	16551	337	3185	1239	16824	124	9842	25	2509	81	6750	18	583
Boone	619	8795	565	6703	19	149	76	365	32	925	42	319	199	3084	52	232	145	1627	54	2092	6	724	42	1256	6	112
Bremer	718	8838	669	7496	28	119	61	448	44	2058	29	135	235	1964	67	951	205	1816	49	1342	6	36	36	1239	7	67
Buchanan	583	5741	529	4154	32	85	68	297	35	1280	42	230	189	1464	53	234	110	561	54	1587	9	432	37	1079	8	76
Buena Vista	722	9336	658	7864	30	260	47	195	35	2612	35	165	243	2570	77	357	191	1703	64	1472	8	69	42	1285	14	118
Butler	464	3364	419	2600	18	62	36	156	29	483	31	122	181	1039	37	147	87	589	45	764	6	32	32	672	7	60
Calhoun	410	3306	374	2457	13	45	33	62	27	238	33	96	126	804	34	170	108	1039	36	849	5	122	24	676	7	51
Carroll	906	10440	851	9265	26	147	105	520	48	1320	59	614	300	3208	77	797	236	2655	55	1175	9	60	35	1016	11	99
Cass	597	6116	544	4829	20	82	44	353	30	1041	34	168	197	1720	52	227	167	1236	53	1287	11	143	34	1060	8	84
Cedar	564	4971	522	3951	22	135	69	231	36	877	38	159	184	1517	37	192	136	838	42	1020	4	39	27	866	11	115
Cerro Gordo	1726	25508	1638	22533	38	229	148	876	81	4451	90	884	598	7158	155	1302	528	7630	88	2975	23	310	50	2477	15	188
Cherokee	462	5472	406	4347	20	102	42	290	23	1222	19	119	151	1444	35	176	116	991	56	1125	9	359	37	706	10	60
Chickasaw	452	4911	414	4223	16	71	59	251	28	1644	21	157	150	1134	29	153	111	811	38	688	7	46	21	581	10	61
Clarke	269	3069	242	2444	5	15	21	41	25	1086	22	77	74	739	23	97	72	387	27	625	5	59	14	528	8	38
Clay	749	8929	694	7548	29	188	64	387	38	1332	47	703	262	2686	54	319	200	1930	55	1381	13	98	31	1196	11	87
Clayton	633	6749	576	5487	21	131	48	487	49	1532	30	124	222	1368	51	211	155	1631	57	1262	10	44	35	1108	12	110
Clinton	1461	21626	1381	18941	33	219	139	906	75	5340	79	892	475	4513	133	720	447	6348	80	2685	8	118	62	2416	10	151
Crawford	568	6682	520	5554	12	64	51	257	27	1939	46	377	197	1670	49	200	138	1044	48	1128	7	89	30	933	11	106
Dallas	952	11083	882	9248	48	446	117	920	47	2411	47	648	282	2205	76	445	265	2170	70	1835	10	69	52	1659	8	107
Davis	217	2113	189	1504	5	18	12	25	17	399	13	68	68	520	11	58	63	413	28	609	5	24	16	545	7	40
Decatur	223	2289	180	1676	9	40	22	43	11	240	15	53	69	473	9	46	45	778	43	613	6	35	28	530	9	48
Delaware	500	5118	450	4011	20	85	47	169	34	1380	27	131	174	1385	26	178	122	681	50	1107	10	100	31	937	9	70
Des Moines	1468	22982	1393	20471	26	113	134	1206	82	6745	86	1011	483	5614	125	656	457	5122	75	2511	13	142	47	2155	15	214
Dickinson	801	8422	752	7401	31	121	91	309	38	2664	33	210	259	2212	71	299	229	1582	49	1021	7	60	35	904	7	57
Dubuque	2867	47910	2783	44291	60	325	347	1836	160	11435	147	2058	968	12033	246	1638	855	14963	84	3619	15	217	54	3094	15	308
Emmet	380	4275	343	3392	8	56	33	236	27	689	16	162	128	1011	27	124	104	1111	37	883	9	30	20	801	8	52
Fayette	733	7523	678	6219	24	101	55	209	34	1349	41	301	263	2188	52	274	209	1795	55	1304	11	84	35	1121	9	99

Table 2. Employers (ers) and Employees (ees) in Selected Private Business/Government Categories in Iowa's Counties, 1996 (continued).

County	Private Business																		Government							
	Grand Total		Private Total		Ag and Mining		Construc-tion		Manufac-turing		Transpor-tation		Trade		Finance		Services		Government Total		State		Local		Federal	
	ers	ees	ers	ees	ers	ees	ers	ees	ers	ees	ers	ees	ers	ees	ers	ees	ers	ees	ers	ees	ers	ees	ers	ees	ers	ees
Floyd	541	5699	499	4642	15	154	47	252	22	1097	33	169	173	1442	46	225	163	1300	42	1057	6	44	26	950	10	63
Franklin	400	3565	354	2815	20	81	32	234	23	841	16	70	115	885	42	127	106	574	46	750	7	36	31	663	8	51
Fremont	273	2737	234	2241	14	73	23	79	7	687	20	40	76	717	25	113	69	528	39	496	7	38	24	415	8	43
Greene	351	3173	311	2272	16	30	39	148	16	479	17	110	99	678	28	148	96	674	40	901	6	43	27	810	7	48
Grundy	376	3263	336	2508	22	131	30	225	21	524	29	75	110	895	29	181	95	476	40	755	3	16	30	696	7	43
Guthrie	361	3048	315	2260	17	274	38	138	13	93	24	120	108	832	35	230	80	570	46	788	6	37	31	689	9	62
Hamilton	537	7729	488	6477	33	406	38	290	34	2598	19	118	169	1814	40	213	155	1036	49	1252	7	57	33	1133	9	62
Hancock	394	3722	345	2967	23	118	27	49	33	1134	22	118	132	967	34	150	74	429	49	755	5	32	33	666	11	57
Hardin	745	8092	679	6349	48	617	73	381	42	1303	44	188	238	2426	61	302	173	1129	66	1743	9	243	42	1410	14	90
Harrison	456	3735	405	2878	17	81	48	139	22	332	22	104	157	1255	38	138	101	826	51	857	7	50	36	717	8	90
Henry	608	10564	565	8856	22	109	59	317	41	2836	26	213	197	3164	54	200	166	2012	43	1708	14	449	21	1185	8	74
Howard	350	3738	322	3023	12	60	30	114	29	1331	17	86	121	770	30	113	83	547	28	715	4	15	17	661	7	39
Humboldt	358	3893	316	3175	20	133	20	160	28	1097	22	177	117	1037	32	121	77	448	42	718	7	17	27	637	8	64
Ida	299	3491	268	3020	10	32	35	209	11	1031	28	318	97	714	22	128	65	585	31	471	4	15	21	416	6	40
Iowa	588	9618	546	8708	11	144	56	207	34	4368	22	148	260	2785	33	141	130	912	42	910	6	38	29	800	7	72
Jackson	710	6239	655	5017	15	70	82	257	43	1401	37	168	237	1711	54	252	187	1157	55	1222	10	67	36	1067	9	88
Jasper	984	13405	912	11138	38	190	97	466	46	4516	55	439	309	3061	85	406	282	2057	72	2267	8	187	53	1958	11	122
Jefferson	801	8279	765	7211	14	73	49	219	43	1763	45	484	223	2055	73	281	318	2333	36	1068	8	93	20	886	8	89
Johnson	2994	56716	2912	36639	61	382	348	2093	100	4749	106	2058	900	12553	242	1748	1155	13052	82	20077	19	14909	46	3545	17	1623
Jones	577	5746	531	4449	13	86	70	243	41	1201	32	179	194	1557	48	207	133	974	46	1297	10	430	27	798	9	69
Keokuk	335	2453	296	1843	17	124	33	139	18	312	24	89	121	711	22	120	61	344	39	610	4	24	27	519	8	67
Kossuth	629	6106	571	4960	31	157	55	312	32	1019	39	157	215	1811	56	401	143	1100	58	1146	8	40	39	1022	11	84
Lee	1235	18424	1154	16119	20	121	130	812	83	6061	62	807	383	3808	97	489	379	4018	81	2305	13	575	58	1609	10	121
Linn	6067	107809	5893	96902	105	653	602	5492	274	21038	278	7458	1985	24875	543	5702	2106	31682	174	10907	23	629	115	9212	36	1066
Louisa	294	3976	253	3256	10	45	19	55	14	1887	21	126	90	659	23	99	76	382	41	720	6	25	25	628	10	67
Lucas	254	2925	217	2195	7	20	20	60	9	240	15	40	83	1403	21	122	62	306	37	730	9	78	22	612	6	40
Lyon	389	3307	359	2699	15	54	33	108	24	742	33	140	125	906	33	120	96	626	30	608	5	25	19	538	6	45
Madison	405	3494	367	2710	21	187	58	238	17	564	16	48	124	896	34	149	97	625	38	784	4	19	26	710	8	55
Mahaska	675	7105	627	5966	26	121	54	299	41	1142	41	292	216	2162	54	274	195	1672	48	1139	9	58	30	999	9	82
Marion	862	15881	802	13437	21	150	93	445	47	6417	42	419	280	2821	69	289	250	2893	60	2444	8	52	35	1302	17	1090
Marshall	1113	19145	1038	15856	26	501	95	741	47	5459	73	835	366	4153	101	543	330	3620	75	3289	13	961	49	2186	13	142
Mills	323	3590	286	1977	10	37	36	81	14	85	15	109	88	637	32	131	91	893	37	1613	9	888	20	672	8	53
Mitchell	395	3583	356	2912	27	140	36	136	22	925	21	78	135	778	28	143	87	709	39	671	4	15	28	605	7	51

Table 2. Employers (ers) and Employees (ees) in Selected Private Business/Government Categories in Iowa's Counties, 1996 (continued).

County	Private Business																		Government								
	Grand Total		Private Total		Ag and Mining		Construc- tion		Manufac- turing		Transpor- tation		Trade		Finance		Services		Government Total		State		Local		Federal		
	ers	ees	ers	ees	ers	ees	ers	ees	ers	ees	ers	ees	ers	ees	ers	ees	ers	ees	ers	ees	ers	ees	ers	ees	ers	ees	
Monona	362	3387	320	2725	15	56	34	96	13	172	16	98	125	970	20	125	97	1206	42	662	8	41	26	562	8	59	
Monroe	254	2877	225	2370	3	15	23	276	17	935	15	67	75	482	17	63	75	532	29	507	4	26	18	445	7	36	
Montgomery	442	5240	400	4353	13	162	41	216	19	1224	28	218	137	1195	35	140	127	1195	42	887	7	61	25	767	10	59	
Muscatine	1134	21056	1074	18184	31	207	127	1295	86	7589	69	833	334	3440	90	564	337	4252	60	2872	10	87	39	2650	11	135	
O'Brien	593	6116	543	5003	19	79	59	223	22	828	44	269	206	1766	37	242	156	1592	50	1113	8	34	33	1012	9	67	
Osceola	260	2209	232	1853	8	58	36	148	17	562	21	106	72	450	20	108	58	419	28	356	4	15	18	307	6	34	
Page	614	7235	559	5835	17	109	53	154	28	1861	31	167	212	1980	41	217	177	1346	55	1400	10	422	36	905	9	73	
Palo Alto	397	3621	356	2614	21	60	33	97	27	612	41	151	109	876	28	122	97	693	41	1007	6	19	28	937	7	51	
Plymouth	709	8364	663	7060	24	133	76	329	28	1729	49	643	239	2480	59	362	188	1382	46	1304	7	41	30	1178	9	85	
Pocahontas	335	3022	292	2338	14	41	25	66	25	811	15	63	107	749	30	131	76	473	43	684	5	21	29	614	9	49	
Polk	14079	245311	13672	214486	224	1606	1085	9915	527	21964	600	12113	4767	66643	1474	35873	4995	66369	407	30825	160	7932	181	16754	66	6139	
Pottawattamie	2266	34851	2150	30052	44	247	237	1143	89	5083	133	1370	766	9623	171	1217	710	11366	116	4799	30	540	70	4009	16	250	
Poweshiek	647	8908	606	7978	18	77	71	526	47	1856	39	555	190	2080	50	801	191	2080	41	930	6	48	28	817	7	65	
Ringgold	182	1440	151	955	13	56	18	91	9	155	12	63	50	321	17	39	32	229	31	485	6	23	19	424	6	38	
Sac	465	3236	420	2487	27	126	38	152	25	203	29	151	163	946	37	161	101	746	45	749	7	38	28	650	7	61	
Scott	5307	81969	5169	73553	84	513	517	4431	257	13583	227	4288	1868	23501	456	2932	1760	24302	138	8416	18	435	100	6935	20	1046	
Shelby	457	4879	414	3902	15	44	34	237	17	264	33	338	159	1368	41	189	115	1458	43	977	7	34	28	880	8	63	
Sioux	1108	14216	1044	12456	57	402	129	663	89	4363	76	323	353	3568	86	491	254	2642	64	1760	5	32	44	1618	15	110	
Story	2133	37457	2035	23451	54	471	208	1565	84	3186	78	619	701	9225	185	971	725	7410	98	14006	19	8816	56	4222	23	968	
Tama	500	5585	448	4539	16	54	41	198	23	896	34	144	161	1286	37	169	136	1790	52	1046	8	158	32	794	12	94	
Taylor	204	1667	167	1200	7	34	17	38	12	391	13	68	63	320	15	56	40	289	37	467	5	20	23	398	9	49	
Union	422	5729	356	4466	8	52	42	146	21	1333	16	173	124	1433	31	160	114	1166	66	1263	11	91	44	1079	11	93	
Van Buren	237	1957	193	1352	14	72	15	53	16	567	14	50	67	284	22	78	45	246	44	605	6	26	29	534	9	45	
Wapello	1083	15598	1010	13009	15	61	98	514	36	3061	63	943	346	3836	88	419	364	4173	73	2589	16	201	46	2243	11	145	
Warren	823	7815	761	6047	19	102	113	612	41	526	43	212	245	2359	70	262	230	1971	62	1768	5	56	46	1593	11	119	
Washington	699	6635	651	5386	32	152	79	390	42	1271	35	183	237	1891	55	225	171	1272	48	1249	7	66	31	1107	9	76	
Wayne	227	2021	193	1480	7	19	9	22	15	533	16	64	71	475	20	80	55	285	34	541	5	18	20	476	9	47	
Webster	1432	18622	1364	15918	35	165	134	904	73	2629	72	1547	488	5161	127	572	435	4937	68	2704	16	249	37	2152	15	303	
Winnebago	399	8159	364	7369	12	41	42	203	25	3997	28	691	129	1008	35	177	93	1249	35	790	7	26	22	711	6	53	
Winneshiek	653	9281	602	7539	34	225	51	672	24	1527	36	265	241	2162	39	252	177	2434	51	1742	8	78	31	1573	12	91	
Woodbury	3355	51816	3213	45810	68	276	321	2914	133	7238	171	3166	1109	14208	271	1968	1140	16037	142	6006	24	450	88	4727	30	829	
Worth	228	1874	199	1496	12	36	20	121	13	551	5	49	73	375	22	83	54	278	29	378	3	21	20	318	6	39	
Wright	544	6052	497	5037	46	394	47	295	34	1580	32	274	166	1467	49	229	123	795	47	1015	6	25	31	913	10	77	
State of Iowa	94138	1344974	88487	1131032	2581	16004	8831	58139	4642	248157	4893	59194	31001	342422	8099	77617	28440	329214	5651	213942	1016	46740	3562	146401	1073	20801	

Table 3. Employers (ers) and Employees (ees) in Selected Private Business/Government Categories in Iowa's Counties, 1992.

County	Private Business																		Government							
	Grand Total		Private Total		Ag and Mining		Construc-tion		Manufac-turing		Transpor-tation		Trade		Finance		Services		Government Total		State		Local		Federal	
	ers	ees	ers	ees	ers	ees	ers	ees	ers	ees	ers	ees	ers	ees	ers	ees	ers	ees	ers	ees	ers	ees	ers	ees	ers	ees
Adair	275	2377	244	1864	13	97	24	105	10	374	13	107	98	714	18	77	68	386	31	513	6	36	20	433	5	44
Adams	157	1461	134	1191	4	22	13	36	8	366	10	38	53	296	11	58	35	371	23	270	6	16	11	212	6	42
Allamakee	481	4745	439	3801	14	199	34	111	27	1180	33	214	182	1260	31	150	118	683	42	944	8	42	26	832	8	70
Appanoose	423	4347	377	3557	14	60	26	64	17	1140	37	296	149	1115	27	123	107	756	46	790	7	57	32	638	7	95
Audubon	247	1929	223	1470	9	48	19	66	13	124	21	100	90	616	17	78	54	435	24	459	5	13	15	403	4	43
Benton	612	5148	564	3791	19	56	66	248	29	449	39	165	219	1970	48	231	144	668	48	1357	8	168	36	1115	4	74
Black Hawk	3600	60642	3475	51223	69	424	301	2390	203	14417	155	1774	1261	15390	319	2768	1167	14056	125	9419	29	2317	78	6526	18	576
Boone	608	8265	557	5953	16	113	56	214	29	795	38	260	206	3070	53	253	159	1245	51	2312	12	904	32	1300	7	108
Bremer	691	8212	639	6913	25	110	57	392	43	1657	24	124	234	1956	61	1071	195	1599	52	1299	8	31	38	1198	6	70
Buchanan	547	5048	493	3510	21	68	59	250	30	827	43	217	180	1409	49	231	111	504	54	1538	10	477	38	980	6	81
Buena Vista	753	8737	686	7295	28	189	46	168	32	2401	44	194	267	2402	73	366	196	1572	67	1442	11	74	45	1240	11	128
Butler	468	3133	422	2357	23	68	34	110	22	325	31	122	193	1023	34	149	85	557	46	776	5	27	35	682	6	67
Calhoun	409	3158	366	2373	10	29	32	64	25	269	32	134	137	772	36	167	94	936	43	785	6	90	32	639	5	56
Carroll	896	9619	840	8496	22	95	105	409	43	1397	59	584	314	3139	75	613	222	2256	56	1123	12	66	35	950	9	107
Cass	631	5957	585	4703	21	81	48	301	27	1051	36	147	234	1905	50	203	169	1011	46	1254	12	163	29	1015	5	76
Cedar	530	4637	490	3655	17	105	54	168	28	832	38	139	196	1575	34	187	123	646	40	982	6	44	27	817	7	121
Cerro Gordo	1720	22808	1633	19840	37	130	128	743	69	3833	77	749	634	6584	181	1024	507	6773	87	2968	25	331	49	2433	13	204
Cherokee	467	5219	414	4017	21	97	37	284	22	1162	23	120	159	1335	31	178	121	838	53	1202	11	437	34	703	8	62
Chickasaw	445	4399	408	3732	13	47	44	194	34	1452	19	143	161	1083	31	149	106	663	37	667	9	55	22	550	6	62
Clarke	283	3062	251	2461	6	11	13	35	24	1171	17	88	92	729	20	90	79	335	32	601	6	60	17	494	9	47
Clay	718	7562	665	6199	20	133	55	313	30	1067	42	458	284	2403	54	285	180	1538	53	1363	14	100	31	1165	8	98
Clayton	599	5696	542	4324	20	100	40	332	47	1365	30	144	222	1364	46	193	137	823	57	1372	11	49	37	1201	9	122
Clinton	1452	20391	1375	18067	30	244	124	1081	80	5152	71	651	526	4468	119	713	425	5755	77	2324	8	111	62	2049	7	164
Crawford	616	6194	564	5025	10	52	39	212	31	1584	43	246	222	1728	56	211	163	989	52	1169	10	95	34	967	8	107
Dallas	820	8530	755	6903	38	343	90	434	38	1887	43	343	271	1911	62	430	213	1551	65	1627	11	66	48	1454	6	107
Davis	225	1914	197	1337	6	14	13	37	15	336	14	82	82	522	12	58	55	285	28	577	6	27	16	504	6	46
Decatur	234	2251	190	1628	8	24	16	70	11	344	17	52	70	440	11	59	57	636	44	623	8	35	29	537	7	51
Delaware	503	4768	455	3610	18	95	46	216	32	1237	30	126	182	1271	31	159	116	504	48	1158	10	112	32	973	6	73
Des Moines	1419	21252	1342	18784	20	91	118	984	79	6362	85	868	508	5472	118	656	414	4349	77	2468	16	136	48	2126	13	206
Dickinson	721	7065	677	6133	23	85	71	240	34	1780	28	115	275	2055	60	246	186	1609	44	932	7	65	33	807	4	60
Dubuque	2790	45149	2699	41688	44	217	305	1734	143	12324	134	1755	1019	10620	244	1626	810	13409	91	3461	16	201	59	2928	16	332
Emmet	373	4090	336	3119	8	41	25	192	30	723	18	180	128	928	25	125	102	926	37	971	9	29	21	885	7	57
Fayette	736	6497	683	5382	20	81	54	181	40	1013	37	254	282	2166	52	265	198	1419	53	1115	12	84	34	927	7	104

Table 3. Employers (ers) and Employees (ees) in Selected Private Business/Government Categories in Iowa's Counties, 1992 (continued).

County	Private Business																		Government							
	Grand Total		Private Total		Ag and Mining		Construc-tion		Manufac-turing		Transpor-tation		Trade		Finance		Services		Government Total		State		Local		Federal	
	ers	ees	ers	ees	ers	ees	ers	ees	ers	ees	ers	ees	ers	ees	ers	ees	ers	ees	ers	ees	ers	ees	ers	ees	ers	ees
Floyd	513	5749	475	4727	11	129	40	243	23	1330	28	160	183	1349	43	224	147	1290	38	1022	6	38	25	919	7	65
Franklin	386	3329	341	2597	17	113	27	192	24	697	20	100	120	838	38	122	95	531	45	732	7	37	34	635	4	60
Fremont	275	2546	238	2047	14	80	24	52	7	516	21	37	83	787	21	92	68	480	37	499	8	33	24	420	5	46
Greene	351	3045	304	2179	12	32	36	119	16	438	19	104	113	752	25	156	83	575	47	866	7	46	35	763	5	57
Grundy	388	3266	347	2499	24	211	40	210	18	416	23	92	118	976	21	133	103	459	41	767	5	22	32	696	4	49
Guthrie	343	2598	294	1844	15	146	33	133	12	66	23	134	104	667	39	156	68	536	49	754	8	38	34	648	7	68
Hamilton	536	7273	488	6072	21	167	41	224	39	2484	28	124	179	1873	37	223	143	974	48	1201	8	55	32	1076	8	70
Hancock	393	3415	348	2653	18	70	23	37	29	979	18	88	143	917	35	139	82	418	45	762	6	39	31	660	8	63
Hardin	761	7321	698	5635	44	244	64	229	41	1213	43	172	276	2501	57	282	173	992	63	1686	11	240	43	1357	9	89
Harrison	441	3362	390	2508	13	51	39	106	16	191	20	91	174	1250	38	146	90	670	51	854	8	47	37	710	6	97
Henry	577	9582	529	7984	14	229	51	306	38	2386	21	185	204	3117	57	204	144	1554	48	1598	15	435	26	1091	7	72
Howard	331	3179	305	2483	9	23	24	89	25	814	24	123	123	737	26	113	74	581	26	696	5	18	16	633	5	45
Humboldt	367	3390	331	2692	19	121	22	144	24	739	25	165	129	941	27	124	85	454	36	698	7	19	24	607	5	72
Ida	306	3034	274	2552	12	34	30	166	11	801	27	267	109	673	22	135	63	472	32	482	6	16	21	420	5	46
Iowa	540	9072	502	8239	9	378	52	201	35	4032	21	124	250	2589	31	128	104	784	38	833	6	40	26	719	6	74
Jackson	649	5941	594	4669	14	81	61	212	39	1393	29	207	242	1579	56	257	153	938	55	1272	11	68	37	1114	7	90
Jasper	959	12255	885	10180	32	139	95	417	48	3902	48	437	327	2954	83	419	252	1909	74	2075	10	143	56	1821	8	111
Jefferson	704	7088	670	6059	11	58	40	157	49	1909	30	299	217	1532	79	260	244	1840	34	1029	8	87	19	854	7	88
Johnson	2709	49482	2629	30890	48	291	273	1681	108	4412	99	1583	906	11205	225	1581	970	10133	80	18592	191	3965	44	3033	17	1594
Jones	567	5285	520	4067	13	86	57	241	34	986	31	176	205	1483	44	197	136	894	47	1218	12	414	29	734	6	70
Keokuk	351	2401	307	1815	22	210	19	95	20	224	29	109	126	706	29	133	62	336	44	586	6	26	32	485	6	75
Kossuth	660	5779	603	4617	23	105	58	249	28	942	43	136	231	1853	65	347	155	981	57	1162	9	42	39	1018	9	102
Lee	1228	17125	1145	14859	18	80	104	575	86	6108	73	747	401	3531	98	489	365	3326	83	2266	13	560	62	1585	8	121
Linn	5656	94657	5494	83824	87	632	525	4771	275	20757	266	5395	1993	22817	491	5069	1857	24380	162	10833	28	607	105	9109	29	1117
Louisa	296	3691	253	3062	10	29	16	46	15	1717	19	122	93	633	25	108	75	403	43	629	7	26	29	527	7	76
Lucas	266	3162	224	2477	9	35	21	52	8	267	14	85	86	1627	16	107	70	300	42	685	13	90	23	542	6	53
Lyon	372	3194	342	2595	15	70	31	102	25	749	33	116	129	834	25	116	84	605	30	599	6	25	20	519	4	55
Madison	355	2769	319	2056	22	168	38	153	13	289	12	48	118	695	27	126	89	573	36	713	4	19	25	633	7	61
Mahaska	669	6599	618	5484	18	130	42	333	43	1092	41	201	235	1992	52	283	187	1449	51	1115	9	57	34	968	8	90
Marion	813	13736	763	11374	28	221	91	363	47	5028	37	394	280	2596	63	282	217	2488	50	2362	8	47	30	1202	12	1113
Marshall	1125	17440	1046	14289	29	141	82	617	49	5135	62	590	389	4082	99	563	336	3159	79	3151	16	845	55	2166	8	140
Mills	322	3643	280	1932	10	27	24	46	8	38	18	144	101	695	28	114	91	866	42	1711	11	1060	26	597	5	54
Mitchell	369	3157	334	2504	22	133	28	85	16	562	23	87	140	829	23	143	82	663	35	653	6	21	25	581	4	51

Table 3. Employers (ers) and Employees (ees) in Selected Private Business/Government Categories in Iowa's Counties, 1992 (continued).

County	Private Business																		Government							
	Grand Total		Private Total		Ag and Mining		Construc-tion		Manufac-turing		Transpor-tation		Trade		Finance		Services		Government Total		State		Local		Federal	
	ers	ees	ers	ees	ers	ees	ers	ees	ers	ees	ers	ees	ers	ees	ers	ees	ers	ees	ers	ees	ers	ees	ers	ees	ers	ees
Monona	344	3004	304	2339	16	92	20	80	16	194	16	101	138	791	20	131	78	948	40	665	9	48	26	552	5	65
Monroe	247	2605	219	2101	4	22	23	255	13	686	18	79	81	458	13	63	67	534	28	504	5	24	18	440	5	40
Montgomery	433	4789	391	3928	16	135	44	209	16	1105	26	185	145	1158	38	154	106	979	42	861	8	64	28	737	6	60
Muscatine	1124	19984	1061	17010	25	175	97	555	89	8112	68	744	372	3427	81	495	329	3500	63	2974	12	91	41	2748	10	135
O'Brien	594	5527	542	4499	16	67	48	143	28	632	35	297	227	1624	41	258	147	1473	52	1028	13	40	31	914	8	74
Osceola	232	2015	202	1666	5	27	22	83	18	559	23	77	72	481	18	93	44	343	30	349	5	16	19	289	6	44
Page	619	6294	565	5032	18	209	55	139	28	1302	33	187	214	1845	37	201	180	1144	54	1262	11	316	37	862	6	84
Palo Alto	363	3194	322	2095	10	26	14	38	28	288	29	123	120	829	31	127	90	662	41	1099	7	24	28	1013	6	62
Plymouth	704	7752	657	6505	15	106	70	287	33	1480	47	552	252	2389	60	356	180	1331	47	1247	9	40	31	1120	7	87
Pocahontas	334	2873	291	2166	15	62	30	83	22	543	17	50	103	845	33	126	71	454	43	707	6	23	30	627	7	57
Polk	13355	221200	12931	192519	181	1242	1037	8285	510	22262	532	11233	4709	59326	1377	32533	4585	57634	424	28681	186	7436	175	15661	63	5584
Pottawattamie	2299	27972	2179	23322	48	222	211	944	95	4166	124	1110	829	8494	158	1168	714	7214	120	4650	35	527	70	3851	15	272
Poweshiek	628	8260	586	7334	12	42	65	426	36	1613	37	708	208	1952	44	780	184	1811	42	926	7	47	30	815	5	64
Ringgold	169	1332	139	893	5	15	11	54	9	171	10	76	50	305	15	42	39	227	30	439	7	22	18	372	5	45
Sac	487	3290	443	2574	24	178	32	108	29	243	28	118	191	1032	39	168	100	724	44	716	7	38	29	613	8	65
Scott	5104	72488	4967	64801	85	492	470	3289	242	12526	204	3629	1916	22191	447	3148	1603	19523	137	7687	23	428	97	6716	17	543
Shelby	466	4322	425	3476	11	23	32	203	20	318	29	271	172	1319	36	164	125	1176	41	846	7	36	27	739	7	71
Sioux	1058	12656	993	11057	45	351	122	455	73	3721	71	289	372	3490	73	423	237	2326	65	1599	6	37	46	1455	13	107
Story	2051	33854	1954	20719	48	350	174	1262	75	2522	79	666	755	8542	165	975	658	6399	97	13135	24	8010	55	4176	18	949
Tama	497	4544	440	3475	16	103	35	216	24	758	35	169	177	1252	35	174	118	801	57	1069	11	164	38	802	8	103
Taylor	215	1558	182	1096	8	84	18	15	11	150	19	49	69	503	16	58	41	232	33	462	6	21	21	385	6	56
Union	431	5465	373	4229	10	45	36	130	20	1485	19	182	138	1428	32	156	118	801	58	1236	12	87	37	1040	9	109
Van Buren	219	1690	180	1093	9	45	14	52	12	380	15	45	69	278	18	68	43	222	39	597	6	25	28	524	5	48
Wapello	1056	14334	985	11841	16	56	91	570	36	3166	54	679	353	3586	84	371	351	3412	71	2493	17	249	46	2092	8	152
Warren	761	6927	705	5256	19	86	83	452	41	626	35	160	256	2041	67	261	204	1627	56	1671	6	56	42	1495	8	120
Washington	663	6172	619	5016	26	165	69	280	42	1105	31	166	253	1909	49	212	149	1177	44	1156	8	79	30	997	6	80
Wayne	234	1908	203	1360	7	27	8	9	17	464	22	86	77	448	17	75	55	248	31	548	6	21	20	478	5	49
Webster	1373	17312	1302	14510	34	128	114	546	64	2689	70	1085	502	4795	109	551	409	4714	71	2802	16	207	40	2270	15	325
Winnebago	406	6963	372	6147	9	46	35	146	26	3397	28	441	137	942	45	179	92	993	34	816	8	30	21	730	5	56
Winneshiek	687	8380	632	6608	25	183	59	590	27	1425	29	246	269	1965	44	225	179	1971	55	1772	12	84	33	1592	10	96
Woodbury	3247	46945	3113	41094	56	218	260	1938	139	6609	188	2931	1163	12948	281	2081	1026	14366	134	5851	28	519	81	4495	25	837
Worth	221	1767	191	1382	10	31	26	96	9	510	9	66	74	356	21	77	42	244	30	385	6	25	20	315	4	45
Wright	527	5539	484	4609	24	166	39	171	35	1720	31	326	174	1290	43	233	138	701	43	930	6	32	29	822	8	76
State of Iowa	91175	1214742	85562	1009617	2218	13452	7807	47133	4497	229935	4660	50957	32294	319540	7721	72289	26365	276007	5613	205125	1184	44609	3587	140262	842	20254

Table 4. Average Weekly Wages (in dollars) in Selected Private Business/Government Categories in Iowa's Counties, 1992, 1996, and 1997.

County	Private Business																					Government																	
	Grand Average			Private Average			Ag and Mining			Construc-tion			Manufac-turing			Transpor-tation			Trade	Finance			Services			Government Average			State			Local			Federal				
	'97	'96	'92	'97	'96	'92	'97	'96	'92	'97	'96	'92	'97	'96	'92	'97	'96	'92	'97	'96	'92	'97	'96	'92	'97	'96	'92	'97	'96	'92	'97	'96	'92	'97	'96	'92			
Adair	388	371	325	392	371	324	629	628	556	456	456	378	546	503	515	473	514	409	260	252	221	500	443	448	273	245	212	375	372	331	522	477	456	347	344	301	618	612	515
Adams	367	354	308	363	345	299	450	419	372	332	311	280	470	465	349	479	435	456	237	233	204	412	399	319	358	326	306	382	393	348	476	485	422	349	358	313	606	590	492
Allamakee	340	324	288	331	315	277	335	344	324	337	329	326	386	360	313	622	583	479	258	247	219	478	456	396	262	251	210	379	367	333	608	588	518	350	339	309	604	576	502
Appanoose	375	361	341	358	342	330	354	358	448	323	335	296	455	431	408	502	509	577	235	228	215	369	384	396	301	282	272	459	450	390	582	556	470	429	417	363	608	623	526
Audubon	335	312	288	320	299	280	426	383	396	357	330	287	346	308	255	462	466	417	301	283	275	433	395	319	252	243	242	376	349	317	445	443	406	359	330	294	543	523	508
Benton	380	359	298	366	344	279	399	372	346	459	430	397	489	458	394	498	471	390	295	288	232	462	429	385	260	251	231	420	402	350	500	474	426	401	382	327	560	557	538
Black Hawk	509	484	441	504	477	434	337	323	306	532	503	458	837	773	688	528	548	489	313	301	268	504	466	418	403	390	351	538	523	477	672	651	603	469	458	414	761	724	690
Boone	419	397	332	393	371	297	430	335	337	464	440	352	501	470	429	497	496	427	374	342	255	442	554	331	321	310	274	500	480	421	565	550	476	451	428	369	663	614	574
Bremer	426	410	363	427	412	365	525	528	460	461	451	383	555	558	528	381	395	336	275	248	224	599	563	477	338	332	284	415	394	355	538	511	427	399	377	342	657	636	546
Buchanan	419	399	354	410	382	331	302	262	264	385	371	347	540	506	476	475	419	393	325	305	264	484	450	385	292	280	233	445	443	406	620	609	526	369	366	338	610	590	516
Buena Vista	388	369	325	380	361	320	300	267	321	417	412	360	450	426	383	476	473	425	294	282	250	560	524	423	365	343	288	428	410	353	617	583	521	395	378	319	680	656	583
Butler	350	327	288	343	314	273	401	295	284	388	391	309	505	465	384	498	483	389	276	252	248	440	381	377	250	232	195	377	369	336	600	558	496	351	346	315	551	530	484
Calhoun	343	329	299	317	301	280	343	326	349	311	292	260	385	368	363	433	444	435	274	261	242	405	412	363	308	287	251	413	410	357	624	596	533	363	362	316	609	601	537
Carroll	377	368	320	373	364	315	424	403	464	407	386	307	494	490	431	575	601	512	323	313	269	394	402	370	303	292	238	415	398	358	606	563	483	377	367	327	622	624	559
Cass	376	359	318	354	334	298	352	333	351	576	495	420	506	471	421	360	353	340	252	253	223	450	422	365	279	268	250	462	450	396	647	632	551	424	412	359	653	616	562
Cedar	365	353	315	350	338	300	301	337	372	394	387	316	475	441	422	458	440	405	299	287	244	484	456	423	274	266	207	423	411	369	537	519	469	399	386	345	572	566	495
Cerro Gordo	421	406	364	411	397	356	245	244	268	495	477	419	525	503	474	534	505	475	288	281	254	533	497	431	420	410	360	496	474	420	622	604	547	464	441	385	712	693	630
Cherokee	401	391	348	386	371	325	358	349	281	539	520	389	505	486	423	425	432	397	300	286	267	459	443	386	313	292	244	459	468	422	617	617	539	380	382	337	616	584	555
Chickasaw	413	389	345	413	388	337	272	300	326	411	375	320	545	500	456	294	289	249	315	303	242	449	428	387	291	302	245	413	400	386	607	584	510	376	364	357	652	603	534
Clarke	361	345	329	349	330	321	447	374	337	277	304	257	428	401	411	548	556	355	225	216	214	458	430	374	281	282	223	409	402	363	670	679	577	367	357	322	609	608	524
Clay	418	397	352	407	385	342	375	339	263	526	480	434	574	530	425	480	462	435	314	305	278	499	483	431	354	337	329	483	465	400	644	624	551	458	441	374	668	620	559
Clayton	382	365	321	364	348	304	288	292	327	634	599	502	398	375	345	426	414	390	274	263	223	504	464	420	311	304	249	466	438	371	582	535	465	449	419	358	597	591	466
Clinton	439	429	384	439	428	381	410	428	312	558	581	535	705	688	606	489	470	478	274	268	237	444	423	352	313	296	257	441	436	409	558	536	473	425	418	390	628	641	595
Crawford	396	390	338	384	382	327	320	338	240	425	676	365	490	490	459	496	467	467	257	246	227	470	431	377	315	290	242	456	430	382	658	630	596	418	389	342	637	627	559
Dallas	457	439	353	463	444	347	396	396	373	652	624	433	489	468	436	640	666	466	345	338	279	574	551	423	413	369	245	427	415	380	559	538	499	410	397	362	624	613	555
Davis	371	351	308	360	335	283	394	306	309	321	357	255	490	486	377	612	555	410	280	259	233	545	482	431	263	229	202	399	391	366	549	505	426	378	371	350	591	598	498
Decatur	331	311	269	312	287	242	390	350	286	269	333	320	339	289	231	616	617	529	232	209	191	394	347	287	327	303	247	384	376	341	564	531	492	358	349	317	570	562	488
Delaware	418	401	351	408	389	338	399	374	339	432	416	350	542	509	437	492	495	411	309	302	254	455	436	376	294	286	275	454	445	390	625	605	559	429	420	363	561	549	498
Des Moines	478	463	419	474	461	418	382	362	309	555	564	507	685	672	602	559	539	484	282	281	260	468	439	383	373	346	322	508	480	430	596	576	499	482	457	409	710	650	597
Dickinson	380	359	315	370	350	305	324	325	298	365	347	296	485	431	436	519	518	506	277	264	217	490	472	343	302	290	254	444	425	384	530	499	487	429	408	364	598	611	536
Dubuque	492	475	421	491	473	418	330	324	348	599	548	499	701	688	579	596	584	538	316	308	267	530	523	425	437	415	363	513	500	460	605	571	490	486	473	435	724	719	661
Emmet	392	364	326	383	352	326	434	439	371	520	527	450	525	482	466	502	423	399	284	266	235	481	438	339	312	288	266	433	410	328	564	520	448	415	394	312	626	597	523
Fayette	365	355	321	351	343	310	326	306	317	317	304	263	465	449	401	480	452	456	295	282	265	410	407	355	308	317	284	437	410	378	614	602	524	407	378	344	635	603	556

Table 4. Average Weekly Wages (in dollars) in Selected Private Business/Government Categories in Iowa's Counties, 1992, 1996, and 1997 (continued).

County	Private Business																											Government											
	Grand Average			Private Average			Ag and Mining			Construc-tion			Manufac-turing			Transpor-tation			Trade			Finance			Services			Government Average			State			Local			Federal		
	'97	'96	'92	'97	'96	'92	'97	'96	'92	'97	'96	'92	'97	'96	'92	'97	'96	'92	'97	'96	'92	'97	'96	'92	'97	'96	'92	'97	'96	'92	'97	'96	'92	'97	'96	'92			
Floyd	394	378	338	386	369	329	337	334	303	546	482	424	581	569	475	430	435	373	273	259	240	416	404	405	314	290	236	430	420	380	595	552	473	412	403	364	602	578	550
Franklin	410	391	328	416	395	320	325	319	260	441	381	348	493	478	386	543	535	399	337	312	264	441	419	357	395	399	306	390	378	354	546	514	469	370	359	334	555	536	495
Fremont	469	441	367	487	453	372	378	374	364	426	378	321	798	708	634	391	335	335	347	340	275	465	447	445	308	313	249	390	386	345	497	504	440	364	358	319	559	547	516
Greene	385	365	313	377	356	300	369	374	244	366	359	314	492	473	396	503	470	431	307	294	255	454	462	420	303	295	231	406	389	346	644	593	535	386	369	323	558	540	508
Grundy	427	408	342	438	417	346	304	435	287	684	604	487	474	461	395	475	443	339	351	336	304	603	550	441	407	375	328	391	377	328	603	518	458	376	362	310	599	560	524
Guthrie	328	312	290	312	292	266	410	371	354	496	424	328	213	246	225	543	530	418	257	250	259	410	361	333	236	214	187	377	368	349	470	472	453	354	344	328	576	572	495
Hamilton	420	404	336	417	402	329	437	410	445	417	436	329	506	498	390	437	487	346	329	310	282	471	483	413	315	285	222	437	414	375	571	539	484	422	399	360	589	579	523
Hancock	442	360	321	447	351	311	354	325	238	408	295	258	514	458	419	624	564	411	269	253	235	388	348	353	264	242	211	401	396	355	670	603	557	373	370	329	613	587	504
Hardin	397	384	327	388	375	316	479	485	385	423	374	313	484	454	384	504	469	380	353	340	297	451	450	396	270	264	231	430	419	363	542	539	497	401	389	328	582	563	532
Harrison	345	339	298	324	318	276	395	355	355	392	382	305	397	400	391	459	483	462	293	292	249	387	369	328	298	283	248	419	407	362	547	515	453	384	374	333	638	608	525
Henry	439	422	372	429	411	361	316	315	184	481	441	389	575	546	461	489	547	487	378	362	330	406	415	385	297	286	273	495	478	425	660	640	552	425	406	365	623	637	577
Howard	384	357	293	381	352	281	323	310	287	363	335	279	479	449	381	481	489	412	267	243	217	464	486	366	257	231	177	394	376	339	543	531	445	379	361	323	601	579	516
Humboldt	412	387	329	410	384	321	385	344	321	489	466	403	476	440	387	605	571	524	356	336	273	460	423	402	273	257	196	418	398	361	582	547	465	396	375	342	595	585	491
Ida	420	406	359	422	408	362	273	257	264	490	445	378	582	564	510	455	431	445	277	269	244	470	472	362	278	272	236	408	395	345	500	449	453	386	374	321	608	594	523
Iowa	516	452	382	529	459	385	299	450	133	508	432	459	639	626	527	668	611	521	465	254	236	631	581	437	251	247	225	391	386	344	495	487	460	373	367	323	560	543	489
Jackson	333	320	290	309	297	270	420	382	324	382	371	317	387	364	321	360	340	406	254	243	216	413	391	331	243	246	224	429	417	365	525	515	435	408	397	350	615	593	503
Jasper	506	496	424	515	504	431	367	352	334	502	494	407	769	769	671	563	563	461	275	268	254	473	447	442	301	291	220	468	455	390	580	590	526	439	432	369	635	619	561
Jefferson	518	453	405	525	454	408	390	377	279	427	419	334	626	554	490	663	525	486	488	375	431	535	514	497	388	432	289	460	444	387	635	598	525	423	410	354	668	628	566
Johnson	508	491	444	402	385	350	404	344	351	544	525	508	618	592	517	590	572	485	273	260	234	511	494	454	385	364	343	707	686	601	761	739	641	478	463	408	722	692	621
Jones	383	374	344	357	344	319	445	449	453	356	320	306	491	471	441	539	533	466	270	257	231	400	387	383	270	281	281	476	476	424	658	657	565	374	372	338	557	542	493
Keokuk	389	349	299	393	346	288	296	304	271	499	515	414	568	391	303	580	568	516	325	310	261	465	463	396	243	231	195	377	357	331	574	544	433	348	326	302	531	529	482
Kossuth	364	357	310	358	353	306	376	418	262	369	342	330	552	557	486	376	356	333	283	275	239	430	462	402	255	245	222	390	374	327	587	560	460	368	352	305	578	558	485
Lee	455	448	403	447	442	397	270	246	285	513	537	425	646	625	544	563	554	527	270	259	232	449	452	421	298	302	269	513	493	439	636	620	544	457	437	391	667	641	585
Linn	557	529	471	559	530	472	379	363	350	660	634	550	828	782	691	705	690	603	367	350	304	678	614	526	458	436	390	540	520	462	626	615	529	505	484	427	797	776	712
Louisa	392	380	345	382	371	333	436	401	423	437	359	322	426	418	394	475	499	444	310	256	218	435	436	357	283	280	209	431	419	407	543	494	458	405	395	382	638	609	556
Lucas	404	383	388	400	377	387	366	339	280	573	533	382	381	388	314	482	439	479	416	381	421	444	437	412	286	299	251	417	398	389	581	558	496	387	367	360	544	569	507
Lyon	352	329	291	340	315	279	451	299	278	402	353	346	411	394	339	418	414	346	260	237	226	454	441	368	302	282	237	405	391	346	562	556	515	382	367	323	598	579	493
Madison	360	338	299	340	317	276	448	391	374	382	363	315	427	366	316	538	658	561	281	257	243	415	418	352	269	268	219	425	413	365	543	507	464	412	397	351	566	577	487
Mahaska	390	372	326	379	359	316	423	392	393	414	397	392	524	460	423	539	525	439	267	262	248	496	497	410	341	355	268	451	439	376	541	525	456	433	420	356	615	602	543
Marion	508	483	424	496	465	408	465	441	419	466	440	397	672	627	566	508	465	453	265	250	221	473	484	423	328	321	274	577	581	504	562	526	475	418	412	372	797	787	647
Marshall	473	442	421	473	439	426	306	176	437	535	465	478	668	630	597	484	483	477	292	284	275	511	462	398	377	346	328	469	454	399	546	533	476	424	410	357	633	613	582
Mills	394	374	336	319	299	258	509	497	514	474	487	315	367	343	257	463	505	442	262	249	234	544	481	409	278	254	216	488	467	424	569	543	474	380	357	324	605	591	544
Mitchell	378	364	318	371	356	309	500	444	351	347	376	311	504	489	438	430	427	361	251	239	259	493	477	400	274	258	227	409	401	353	636	606	525	391	383	334	570	549	499

Table 4. Average Weekly Wages (in dollars) in Selected Private Business/Government Categories in Iowa's Counties, 1992, 1996, and 1997 (continued).

County	Private Business																					Government																	
	Grand Average			Private Average			Ag and Mining			Construc-tion			Manufac-turing			Transpor-tation			Trade	Finance			Services			Government Average			State			Local			Federal				
	'97	'96	'92	'97	'96	'92	'97	'96	'92	'97	'96	'92	'97	'96	'92	'97	'96	'92	'97	'96	'92	'97	'96	'92	'97	'96	'92	'97	'96	'92	'97	'96	'92	'97	'96	'92			
Monona	332	327	292	315	311	274	358	442	404	536	498	366	437	420	400	344	363	382	255	242	217	454	442	353	305	312	254	411	395	354	519	500	441	386	370	327	572	564	518
Monroe	449	432	365	460	440	369	424	327	447	524	454	449	680	647	537	530	475	407	210	226	200	514	494	403	254	257	251	397	395	348	605	570	477	370	369	327	628	578	502
Montgomery	394	376	335	385	367	327	370	341	361	527	489	389	503	506	454	552	530	473	285	261	239	442	431	418	300	274	230	434	421	367	574	528	486	410	398	341	613	606	555
Muscatine	556	535	463	565	543	470	345	323	308	617	677	438	811	757	643	606	625	581	259	254	226	601	578	428	366	343	304	506	488	425	553	525	478	497	480	415	647	626	585
O'Brien	354	341	304	346	332	293	419	470	478	391	366	332	460	446	409	603	581	439	290	268	252	474	502	406	274	264	228	390	381	354	546	512	497	372	362	330	580	592	573
Osceola	364	353	314	356	346	310	348	339	323	481	401	408	427	421	371	453	471	421	304	311	259	387	369	354	249	228	225	409	391	334	532	517	468	385	366	307	573	557	460
Page	399	381	331	384	363	312	338	304	312	387	355	377	556	520	457	477	502	460	252	240	218	464	459	442	318	299	245	460	458	405	603	591	532	383	382	343	608	626	559
Palo Alto	348	328	279	333	307	261	377	355	218	471	352	209	381	369	287	497	441	393	260	245	231	499	475	433	285	263	234	389	381	313	576	535	510	375	368	298	572	559	480
Plymouth	424	413	359	426	416	357	300	430	382	362	383	369	650	619	515	604	568	491	296	286	255	548	513	444	302	308	280	416	398	369	579	530	480	397	380	352	614	582	526
Pocahontas	389	364	327	390	362	329	576	634	730	367	354	354	506	468	394	414	406	437	311	303	304	480	439	374	256	230	219	386	371	319	594	524	461	365	350	298	579	573	490
Polk	572	538	472	565	528	462	470	481	376	655	628	538	735	675	600	631	610	546	438	414	364	771	699	574	499	474	420	620	605	540	669	649	570	543	530	459	777	751	725
Pottawattamie	412	396	350	397	381	338	384	363	341	491	528	437	495	465	397	590	587	538	308	294	254	490	450	398	393	372	349	510	489	412	566	541	509	490	469	382	721	690	655
Poweshiek	452	432	390	457	438	394	300	376	311	545	524	462	541	501	488	591	609	494	256	245	223	560	541	472	489	469	408	411	388	355	563	543	509	388	363	331	602	588	549
Ringgold	345	319	270	325	297	244	353	305	210	664	521	423	354	340	270	373	382	344	241	236	203	354	324	346	265	237	191	385	361	323	508	496	463	367	343	304	530	478	417
Sac	343	322	277	328	305	264	400	383	289	349	360	284	406	382	334	428	399	395	298	281	244	446	418	352	281	246	220	397	379	325	551	519	464	371	354	298	591	556	506
Scott	508	486	433	507	484	430	345	332	312	687	660	518	799	765	685	595	566	522	358	340	312	647	627	533	422	405	356	522	508	458	602	588	527	513	495	440	545	557	628
Shelby	345	329	296	330	314	277	376	361	462	548	533	464	465	479	383	393	359	321	287	283	241	480	474	387	270	247	229	410	390	372	506	490	436	392	373	356	602	572	507
Sioux	378	362	306	373	357	300	347	355	278	425	416	344	467	446	378	388	388	346	279	263	236	406	391	350	328	310	253	411	396	346	555	548	468	392	378	327	649	622	569
Story	488	462	401	406	374	315	487	418	353	522	476	387	648	611	527	482	457	414	270	257	229	493	483	406	408	374	306	630	610	535	683	661	597	482	465	395	799	780	636
Tama	377	364	320	363	350	302	277	591	425	413	370	346	494	487	417	528	493	405	246	236	222	462	433	387	352	335	250	443	427	381	573	559	486	401	382	343	586	582	508
Taylor	314	293	264	293	267	235	304	262	282	269	232	244	339	293	264	489	493	401	208	195	202	384	390	374	251	243	203	365	360	334	474	455	446	332	328	307	602	585	475
Union	374	360	331	354	334	308	386	323	343	356	333	292	449	414	360	646	609	527	266	256	239	457	426	404	291	289	270	451	449	407	617	583	503	419	421	381	668	641	578
Van Buren	367	350	294	365	350	290	447	454	336	454	471	309	444	420	373	620	593	609	212	197	199	412	386	323	229	249	176	371	350	303	531	506	463	348	324	279	568	573	482
Wapello	442	428	390	434	420	381	413	437	325	544	541	414	744	672	570	533	512	468	263	258	238	424	406	378	372	349	337	475	469	430	611	582	540	450	445	403	696	678	637
Warren	388	375	329	373	358	311	281	297	267	508	485	421	546	500	409	558	586	528	308	301	265	529	472	380	326	312	270	441	435	389	547	528	469	425	421	373	616	577	549
Washington	379	361	315	372	352	302	332	332	264	495	464	393	512	479	438	464	432	391	297	281	246	435	429	402	284	273	220	411	400	372	629	578	537	386	376	347	602	594	531
Wayne	342	326	290	326	310	279	244	218	261	275	297	259	421	388	356	472	457	505	269	242	195	308	299	284	251	256	210	383	372	318	497	508	484	363	350	293	540	543	488
Webster	441	430	377	434	422	371	397	405	327	508	529	380	658	614	559	525	523	510	299	294	267	527	531	404	398	389	333	487	482	410	624	601	525	430	425	358	804	786	699
Winnebago	360	403	349	351	402	347	247	280	249	431	424	357	518	510	426	335	303	326	219	216	195	470	443	376	272	256	231	412	414	359	574	551	505	395	396	343	561	582	492
Winneshiek	405	387	342	402	384	344	539	534	499	682	698	599	493	472	411	547	497	494	263	258	230	492	458	402	336	319	294	417	402	336	594	570	512	397	381	314	606	625	555
Woodbury	453	444	396	442	433	385	266	267	253	524	585	483	588	551	492	607	609	533	317	302	275	566	547	473	427	421	381	542	529	474	616	587	511	499	487	436	758	735	660
Worth	377	349	318	367	334	304	406	317	303	494	455	386	428	381	362	445	377	418	278	267	250	426	432	319	266	248	192	417	409	370	568	504	446	390	386	344	577	542	514
Wright	408	394	331	405	392	324	381	341	330	471	437	343	547	528	406	534	547	475	300	280	218	423	490	386	281	258	224	425	402	363	527	513	492	402	381	341	655	608	547
State of Iowa	477	455	403	469	445	393	386	375	335	558	545	463	644	610	544	582	567	507	333	317	281	640	594	498	403	385	339	523	508	450	680	660	580	449	434	382	710	691	634

Table 5. Average Weekly Wages (in dollars adjusted to 1997) in Selected Private Business/Government Categories in Iowa's Counties, 1992, 1996, and 1997.

County	Private Business																					Government																	
	Grand Average			Private Average			Ag and Mining			Construc-tion			Manufac-turing			Transpor-tation			Trade			Finance			Services			Government Average			State			Local			Federal		
	'97	'96	'92	'97	'96	'92	'97	'96	'92	'97	'96	'92	'97	'96	'92	'97	'96	'92	'97	'96	'92	'97	'96	'92	'97	'96	'92	'97	'96	'92	'97	'96	'92	'97	'96	'92			
Adair	388	379	371	392	379	370	629	642	634	456	466	431	546	514	587	473	525	466	260	258	252	500	453	511	273	250	242	375	380	377	522	488	520	347	352	343	618	626	587
Adams	367	362	351	363	353	341	450	428	424	332	318	319	470	475	398	479	445	520	237	238	233	412	408	364	358	333	349	382	402	397	476	496	481	349	366	357	606	603	561
Allamakee	340	331	328	331	322	316	335	352	370	337	336	372	386	368	357	622	596	546	258	252	250	478	466	452	262	257	239	379	375	380	608	601	591	350	347	352	604	589	573
Appanoose	375	369	389	358	350	376	354	366	511	323	342	338	455	441	465	502	520	658	235	233	245	369	393	452	301	288	310	459	460	445	582	568	536	429	426	414	608	637	600
Audubon	335	319	328	320	306	319	426	392	452	357	337	327	346	315	291	462	476	476	301	289	314	433	404	364	252	248	276	376	357	362	445	453	463	359	337	335	543	535	579
Benton	380	367	340	366	352	318	399	380	395	459	440	453	489	468	449	498	481	445	295	294	265	462	439	439	260	257	263	420	411	399	500	485	486	401	390	373	560	569	614
Black Hawk	509	495	503	504	488	495	337	330	349	532	514	522	837	790	785	528	560	558	313	308	306	504	476	477	403	399	400	538	535	544	672	665	688	469	468	472	761	740	787
Boone	419	406	379	393	379	339	430	342	384	464	450	401	501	480	489	497	507	487	374	350	291	442	566	377	321	317	312	500	491	480	565	562	543	451	438	421	663	628	655
Bremer	426	419	414	427	421	416	525	540	525	461	461	437	555	570	602	381	404	383	275	254	255	599	576	544	338	339	324	415	403	405	538	522	487	399	385	390	657	650	623
Buchanan	419	408	404	410	390	377	302	268	301	385	379	396	540	517	543	475	428	448	325	312	301	484	460	439	292	286	266	445	453	463	620	623	600	369	374	385	610	603	588
Buena Vista	388	377	371	380	369	365	300	273	366	417	421	411	450	435	437	476	484	485	294	288	285	560	536	482	365	351	328	428	419	403	617	596	594	395	386	364	680	671	665
Butler	350	334	328	343	321	311	401	302	324	388	400	352	505	475	438	498	494	444	276	258	283	440	389	430	250	237	222	377	377	383	600	570	566	351	354	359	551	542	552
Calhoun	343	336	341	317	308	319	343	333	398	311	298	297	385	376	414	433	454	496	274	267	276	405	421	414	308	293	286	413	419	407	624	609	608	363	370	360	609	614	612
Carroll	377	376	365	373	372	359	424	412	529	407	395	350	494	501	492	575	614	584	323	320	307	394	411	422	303	298	271	415	407	408	606	576	551	377	375	373	622	638	638
Cass	376	367	363	354	341	340	352	340	400	576	506	479	506	481	480	360	361	388	252	259	254	450	431	416	279	274	285	462	460	452	647	646	628	424	421	409	653	630	641
Cedar	365	361	359	350	346	342	301	344	424	394	396	360	475	451	481	458	450	462	299	293	278	484	466	482	274	272	236	423	420	421	537	531	535	399	395	393	572	579	565
Cerro Gordo	421	415	415	411	406	406	245	249	306	495	488	478	525	514	541	534	516	542	288	287	290	533	508	492	420	419	411	496	485	479	622	617	624	464	451	439	712	708	718
Cherokee	401	400	397	386	379	371	358	357	320	539	532	444	505	497	482	425	442	453	300	292	305	459	453	440	313	298	278	459	478	481	617	631	615	380	390	384	616	597	633
Chickasaw	413	398	393	413	397	384	272	307	372	411	383	365	545	511	520	294	295	284	315	310	276	449	438	441	291	309	279	413	409	440	607	597	582	376	372	407	652	616	609
Clarke	361	353	375	349	337	366	447	382	384	277	311	293	428	410	469	548	568	405	225	221	244	458	440	427	281	288	254	409	411	414	670	694	658	367	365	367	609	622	598
Clay	418	406	401	407	394	390	375	347	300	526	491	495	574	542	485	480	472	496	314	312	317	499	494	492	354	344	375	483	475	456	644	638	628	458	451	427	668	634	638
Clayton	382	373	366	364	356	347	288	298	373	634	612	573	398	383	393	426	423	445	274	269	254	504	474	479	311	311	284	466	448	423	582	547	530	449	428	408	597	604	531
Clinton	439	439	438	439	438	435	410	438	356	558	594	610	705	703	691	489	480	545	274	274	270	444	432	401	313	303	293	441	446	466	558	548	539	425	427	445	628	655	679
Crawford	396	399	385	384	390	373	320	346	274	425	691	416	490	501	523	496	477	533	257	251	259	470	441	430	315	296	276	456	440	436	658	644	680	418	398	390	637	641	638
Dallas	457	449	403	463	454	396	396	405	425	652	638	494	489	478	497	640	681	531	345	346	318	574	563	482	413	377	279	427	424	433	559	550	569	410	406	413	624	627	633
Davis	371	359	351	360	342	323	394	313	352	321	365	291	490	497	430	612	567	468	280	265	266	545	493	492	263	234	230	399	400	417	549	516	486	378	379	399	591	611	568
Decatur	331	318	307	312	293	276	390	358	326	269	340	365	339	295	263	616	631	603	232	214	218	394	355	327	327	310	282	384	384	389	564	543	561	358	357	362	570	574	557
Delaware	418	410	400	408	398	385	399	382	387	432	425	399	542	520	498	492	506	469	309	309	290	455	446	429	294	292	314	454	455	445	625	618	638	429	429	414	561	561	568
Des Moines	478	473	478	474	471	477	382	370	352	555	577	578	685	687	687	559	551	552	282	287	297	468	449	437	373	354	367	508	491	490	596	589	569	482	467	466	710	664	681
Dickinson	380	367	359	370	358	348	324	332	340	365	355	338	485	441	497	519	530	577	277	270	247	490	482	391	302	296	290	444	434	438	530	510	555	429	417	415	598	625	611
Dubuque	492	486	480	491	484	477	330	331	397	599	560	569	701	703	660	596	597	614	316	315	305	530	535	485	437	424	414	513	511	525	605	584	559	486	484	496	724	735	754
Emmet	392	372	372	383	360	372	434	449	423	520	539	513	525	493	531	502	432	455	284	272	268	481	448	387	312	294	303	433	419	374	564	532	511	415	403	356	626	610	596
Fayette	365	363	366	351	351	354	326	313	362	317	311	300	465	459	457	480	462	520	295	288	302	410	416	405	308	324	324	437	419	431	614	615	598	407	386	392	635	616	634

Table 5. Average Weekly Wages (in dollars adjusted to 1997) in Selected Private Business/Government Categories in Iowa's Counties, 1992, 1996, and 1997 (continued).

County	Private Business																					Government																	
	Grand Average		Private Average			Ag and Mining			Construc- tion			Manufac- turing			Transpor- tation			Trade			Finance			Services			Government Average			State			Local			Federal			
	'97	'96	'92	'97	'96	'92	'97	'96	'92	'97	'96	'92	'97	'96	'92	'97	'96	'92	'97	'96	'92	'97	'96	'92	'97	'96	'92	'97	'96	'92	'97	'96	'92	'97	'96	'92			
Floyd	394	386	385	386	377	375	337	341	346	546	493	484	581	582	542	430	445	425	273	265	274	416	413	462	314	296	269	430	429	433	595	564	539	412	412	415	602	591	627
Franklin	410	400	374	416	404	365	325	326	297	441	389	397	493	489	440	543	547	455	337	319	301	441	428	407	395	408	349	390	386	404	546	525	535	370	367	381	555	548	565
Fremont	469	451	419	487	463	424	378	382	415	426	386	366	798	724	723	391	342	382	347	348	314	465	457	508	308	320	284	390	395	393	497	515	502	364	366	364	559	559	588
Greene	385	373	357	377	364	342	369	382	278	366	367	358	492	484	452	503	480	492	307	301	291	454	472	479	303	302	263	406	398	395	644	606	610	386	377	368	558	552	579
Grundy	427	417	390	438	426	395	304	445	327	684	617	555	474	471	450	475	453	387	351	343	347	603	562	503	407	383	374	391	385	374	603	530	522	376	370	354	599	572	598
Guthrie	328	319	331	312	298	303	410	379	404	496	433	374	213	251	257	543	542	477	257	256	295	410	369	380	236	219	213	377	376	398	470	482	517	354	352	374	576	585	565
Hamilton	420	413	383	417	411	375	437	419	508	417	446	375	506	509	445	437	498	395	329	317	322	471	494	471	315	291	253	437	423	428	571	551	552	422	408	411	589	592	596
Hancock	442	368	366	447	359	355	354	332	271	408	302	294	514	468	478	624	577	469	269	259	268	388	356	403	264	247	241	401	405	405	670	616	635	373	378	375	613	600	575
Hardin	397	393	373	388	383	360	479	496	439	423	382	357	484	464	438	504	479	433	353	348	339	451	460	452	270	270	263	430	428	414	542	551	567	401	398	374	582	576	607
Harrison	345	347	340	324	325	315	395	363	405	392	390	348	397	409	446	459	494	527	293	298	284	387	377	374	298	289	283	419	416	413	547	526	517	384	382	380	638	622	599
Henry	439	431	424	429	420	412	316	322	210	481	451	444	575	558	526	489	559	555	378	370	376	406	424	439	297	292	311	495	489	485	660	654	630	425	415	416	623	651	658
Howard	384	365	334	381	360	320	323	317	327	363	342	318	479	459	435	481	500	470	267	248	247	464	497	417	257	236	202	394	384	387	543	543	508	379	369	368	601	592	588
Humboldt	412	396	375	410	393	366	385	352	366	489	476	460	476	450	441	605	584	598	356	343	311	460	432	458	273	263	224	418	407	412	582	559	530	396	383	390	595	598	560
Ida	420	415	409	422	417	413	273	263	301	490	455	431	582	577	582	455	441	508	277	275	278	470	482	413	278	278	269	408	404	393	500	459	517	386	382	366	608	607	596
Iowa	516	462	436	529	469	439	299	460	152	508	442	523	639	640	601	668	625	594	465	260	269	631	594	498	251	252	257	391	395	392	495	498	525	373	375	368	560	555	558
Jackson	333	327	331	309	304	308	420	390	370	382	379	362	387	372	366	360	348	463	254	248	246	413	400	377	243	251	255	429	426	416	525	526	496	408	406	399	615	606	574
Jasper	506	507	484	515	515	492	367	360	381	502	505	464	769	786	765	563	576	526	275	274	290	473	457	504	301	297	251	468	465	445	580	603	600	439	442	421	635	633	640
Jefferson	518	463	462	525	464	465	390	385	318	427	428	381	626	566	559	663	537	554	488	383	492	535	525	567	388	442	330	460	454	441	635	611	599	423	419	404	668	642	646
Johnson	508	502	506	402	394	399	404	352	400	544	537	579	618	605	590	590	585	553	273	266	267	511	505	518	385	372	391	707	701	685	761	755	731	478	473	465	722	707	708
Jones	383	382	392	357	352	364	445	459	517	356	327	349	491	481	503	539	545	531	270	263	263	400	396	437	270	287	320	476	487	484	658	672	644	374	380	385	557	554	562
Keokuk	389	357	341	393	354	328	296	311	309	499	526	472	568	400	346	580	581	588	325	317	298	465	473	452	243	236	222	377	365	377	574	556	494	348	333	344	531	541	550
Kossuth	364	365	354	358	361	349	376	427	299	369	350	376	552	569	554	376	364	380	283	281	273	430	472	458	255	250	253	390	382	373	587	572	525	368	360	348	578	570	553
Lee	455	458	460	447	452	453	270	251	325	513	549	485	646	639	620	563	566	601	270	265	265	449	462	480	298	309	307	513	504	501	636	634	620	457	447	446	667	655	667
Linn	557	541	537	559	542	538	379	371	399	660	648	627	828	799	788	705	705	688	367	358	347	678	628	600	458	446	445	540	532	527	626	629	603	505	495	487	797	793	812
Louisa	392	388	393	382	379	380	436	410	482	437	367	367	426	427	449	475	510	506	310	262	249	435	446	407	283	286	238	431	428	464	543	505	522	405	404	436	638	623	634
Lucas	404	392	442	400	385	441	366	347	319	573	545	436	381	397	358	482	449	546	416	389	480	444	447	470	286	306	286	417	407	444	581	570	566	387	375	411	544	582	578
Lyon	352	336	332	340	322	318	451	306	317	402	361	395	411	403	387	418	423	395	260	242	258	454	451	420	302	288	270	405	400	395	562	568	587	382	375	368	598	592	562
Madison	360	346	341	340	324	315	448	400	427	382	371	359	427	374	360	538	673	640	281	263	277	415	427	401	269	274	250	425	422	416	543	518	529	412	406	400	566	590	555
Mahaska	390	380	372	379	367	360	423	401	448	414	406	447	524	470	482	539	537	501	267	268	283	496	508	468	341	363	306	451	449	429	541	537	520	433	429	406	615	615	619
Marion	508	494	484	496	475	465	465	451	478	466	450	453	672	641	646	508	475	517	265	256	252	473	495	482	328	328	312	577	594	575	562	538	542	418	421	424	797	804	738
Marshall	473	452	480	473	449	486	306	180	498	535	475	545	668	644	681	484	494	544	292	290	314	511	472	454	377	354	374	469	464	455	546	545	543	424	419	407	633	627	664
Mills	394	382	383	319	306	294	509	508	586	474	498	359	367	351	293	463	516	504	262	255	267	544	492	466	278	260	246	488	477	484	569	555	541	380	365	370	605	604	620
Mitchell	378	372	363	371	364	352	500	454	400	347	384	355	504	500	500	430	436	412	251	244	295	493	488	456	274	264	259	409	410	403	636	619	599	391	392	381	570	561	569

Table 5. Average Weekly Wages (in dollars adjusted to 1997) in Selected Private Business/Government Categories in Iowa's Counties, 1992, 1996, and 1997 (continued).

County	Private Business																					Government																	
	Grand Average			Private Average			Ag and Mining			Construc-tion			Manufac-turing			Transpor-tation			Trade			Finance			Services			Government Average			State			Local			Federal		
	'97	'96	'92	'97	'96	'92	'97	'96	'92	'97	'96	'92	'97	'96	'92	'97	'96	'92	'97	'96	'92	'97	'96	'92	'97	'96	'92	'97	'96	'92	'97	'96	'92	'97	'96	'92			
Monona	332	334	333	315	318	312	358	452	461	536	509	417	437	429	456	344	371	436	255	247	247	454	452	403	305	319	290	411	404	404	519	511	503	386	378	373	572	577	591
Monroe	449	442	416	460	450	421	424	334	510	524	464	512	680	661	612	530	486	464	210	231	228	514	505	460	254	263	286	397	404	397	605	583	544	370	377	373	628	591	573
Montgomery	394	384	382	385	375	373	370	349	412	527	500	444	503	517	518	552	542	539	285	267	273	442	441	477	300	280	262	434	430	419	574	540	554	410	407	389	613	619	633
Muscatine	556	547	528	565	555	536	345	330	351	617	692	500	811	774	733	606	639	663	259	260	258	601	591	488	366	351	347	506	499	485	553	537	545	497	491	473	647	640	667
O'Brien	354	349	347	346	339	334	419	480	545	391	374	379	460	456	466	603	594	501	290	274	287	474	513	463	274	270	260	390	389	404	546	523	567	372	370	376	580	605	653
Osceola	364	361	358	356	354	354	348	347	368	481	410	465	427	430	423	453	481	480	304	318	295	387	377	404	249	233	257	409	400	381	532	528	534	385	374	350	573	569	525
Page	399	389	377	384	371	356	338	311	356	387	363	430	556	532	521	477	513	525	252	245	249	464	469	504	318	306	279	460	468	462	603	604	607	383	390	391	608	640	638
Palo Alto	348	335	318	333	314	298	377	363	249	471	360	238	381	377	327	497	451	448	260	250	263	499	486	494	285	269	267	389	389	357	576	547	582	375	376	340	572	571	547
Plymouth	424	422	409	426	425	407	300	440	436	362	392	421	650	633	587	604	581	560	296	292	291	548	524	506	302	315	319	416	407	421	579	542	547	397	388	401	614	595	600
Pocahontas	389	372	373	390	370	375	576	648	833	367	362	404	506	478	449	414	415	498	311	310	347	480	449	427	256	235	250	386	379	364	594	536	526	365	358	340	579	586	559
Poik	572	550	538	565	540	527	470	492	429	655	642	614	735	690	684	631	624	623	438	423	415	771	715	655	499	485	479	620	618	616	669	663	650	543	542	523	777	768	827
Pottawattamie	412	405	399	397	389	385	384	371	389	491	540	498	495	475	453	590	600	614	308	301	290	490	460	454	393	380	398	510	500	470	566	553	580	490	479	436	721	705	747
Poweshiek	452	442	445	457	448	449	300	384	355	545	536	527	541	512	557	591	623	563	256	250	254	560	553	538	489	479	465	411	397	405	563	555	580	388	371	377	602	601	626
Ringgold	345	326	308	325	304	278	353	312	239	664	533	482	354	348	308	373	390	392	241	241	232	354	331	395	265	242	218	385	369	368	508	507	528	367	351	347	530	489	476
Sac	343	329	316	328	312	301	400	392	330	349	368	324	406	390	381	428	408	450	298	287	278	446	427	401	281	251	251	397	387	371	551	531	529	371	362	340	591	568	577
Scott	508	497	494	507	495	490	345	339	356	687	675	591	799	782	781	595	579	595	358	348	356	647	641	608	422	414	406	522	519	522	602	601	601	513	506	502	545	569	716
Shelby	345	336	338	330	321	316	376	369	527	548	545	529	465	490	437	393	367	366	287	289	275	480	485	441	270	252	261	410	399	424	506	501	497	392	381	406	602	585	578
Sioux	378	370	349	373	365	342	347	363	317	425	425	392	467	456	431	388	397	395	279	269	269	406	400	399	328	317	289	411	405	395	555	560	534	392	386	373	649	636	649
Story	488	472	457	406	382	359	487	427	403	522	487	441	648	625	601	482	467	472	270	263	261	493	494	463	408	382	349	630	624	610	683	676	681	482	475	450	799	797	725
Tama	377	372	365	363	358	344	277	604	485	413	378	395	494	498	476	528	504	462	246	241	253	462	443	441	352	342	285	443	436	435	573	571	554	401	390	391	586	595	579
Taylor	314	300	301	293	273	268	304	268	322	269	237	278	339	300	301	489	504	457	208	199	230	384	399	427	251	248	232	365	368	381	474	465	509	332	335	350	602	598	542
Union	374	368	377	354	341	351	386	330	391	356	340	333	449	423	411	646	623	601	266	262	273	457	435	461	291	295	308	451	459	464	617	596	574	419	430	435	668	655	659
Van Buren	367	358	335	365	358	331	447	464	383	454	481	352	444	429	425	620	606	695	212	201	227	412	395	368	229	255	201	371	358	346	531	517	528	348	331	318	568	586	550
Wapello	442	438	445	434	429	435	413	447	371	544	553	472	744	687	650	533	523	534	263	264	271	424	415	431	372	357	384	475	479	490	611	595	616	450	455	460	696	693	726
Warren	388	383	375	373	366	355	281	304	305	508	496	480	546	511	466	558	599	602	308	308	302	529	482	433	326	319	308	441	445	444	547	540	535	425	430	425	616	590	626
Washington	379	369	359	372	360	344	332	339	301	495	474	448	512	490	500	464	442	446	297	287	281	435	439	458	284	279	251	411	409	424	629	591	612	386	384	396	602	607	606
Wayne	342	333	331	326	317	318	244	223	298	275	304	295	421	397	406	472	467	576	269	247	222	308	306	324	251	262	239	383	380	363	497	519	552	363	358	334	540	555	557
Webster	441	440	430	434	431	423	397	414	373	508	541	433	658	628	638	525	535	582	299	301	305	527	543	461	398	398	380	487	493	468	624	614	599	430	434	408	804	803	797
Winnebago	360	412	398	351	411	396	247	286	284	431	433	407	518	521	486	335	310	372	219	221	222	470	453	429	272	262	263	412	423	409	574	563	576	395	405	391	561	595	561
Winneshiek	405	396	390	402	393	392	539	546	569	682	714	683	493	482	469	547	508	563	263	264	262	492	468	458	336	326	335	417	411	383	594	583	584	397	389	358	606	639	633
Woodbury	453	454	452	442	443	439	266	273	289	524	598	551	588	563	561	607	623	608	317	309	314	566	559	539	427	430	435	542	541	541	616	600	583	499	498	497	758	751	753
Worth	377	357	363	367	341	347	406	324	346	494	465	440	428	389	413	445	385	477	278	273	285	426	442	364	266	254	219	417	418	422	568	515	509	390	395	392	577	554	586
Wright	408	403	377	405	401	370	381	349	376	471	447	391	547	540	463	534	559	542	300	286	249	423	501	440	281	264	255	425	411	414	527	524	561	402	389	389	655	622	624
State of Iowa	477	465	460	469	455	448	386	383	382	558	557	528	644	624	620	582	580	578	333	324	320	640	607	568	403	394	387	523	519	513	680	675	661	449	444	436	710	706	723

These private businesses employed 1.15 million persons in 1997, 144,000 more than in 1992 (Tables 1,3). Counties ranged from fewer than 1,000 such employees in Ringgold to more than 216,000 in Polk in 1997. All but six counties (Adams, Audubon, Floyd, Louisa, Lucas, Winnebago) increased over the five years, with 50,000 of the gain occurring in Linn, Polk, and Scott.

Trade (346,000), services (336,000), and manufacturing (253,000) had the largest numbers of employees. None of the other four sectors had as many as 80,000 employees in 1997. These patterns were similar in 1996 and 1992 as well, with the top three sectors totaling 81 percent of the employees of private firms in each of the three years reported. In 1992, trade dominated employment in 62 counties, followed by manufacturing (26) and services (11). By 1997, fewer counties listed trade (46) as having the most employees, while more had manufacturing (33) or services (20) employing the largest number.

Statewide, employees in private businesses with covered workers averaged \$469 weekly in pay in 1997, which was \$24 more than in 1996 and \$76 higher than in 1992 (Table 4). This average varied from \$293 in Taylor, the only county lower than \$300, to \$565 in Muscatine and Polk, two of the eight surpassing \$500 (Figure 1).

Industry variations in average weekly wage were significant at all three time periods. Manufacturing employees statewide averaged the highest weekly pay (\$644) in 1997. Workers in finance, insurance, and real estate were second highest (\$640). Employees in trade establishments averaged the lowest pay for a week (\$333); for each of the three years, the average weekly wage for workers in wholesale and retail trade was only slightly more than half of the average for manufacturing employees. In 1997, \$311 separated the highest paying industry from the lowest, with a range of \$159 (Calhoun) to \$552 (Muscatine) among the counties.

In 36 of Iowa's 99 counties in 1997, weekly pay in manufacturing was the highest among the seven categories of private businesses. Workers in manufacturing in Black Hawk, Linn, and Muscatine averaged more than \$800 per week that year. These were the only counties in any private-business sector to have an average pay that high. Only Guthrie had lower manufacturing wages in 1997 than in 1992. The transportation, communication, and utilities sector had the highest average wage in 40 counties in 1997. The \$582 statewide average in 1997 was \$75 greater than in 1992. Ninety-one counties followed the state trend with a higher average at the end of the period. Average wages for construction workers increased \$95 between 1992 and 1997 to \$558 in the later year. These workers had the highest average pay in 12 counties in 1997 and all but Decatur and Plymouth experienced a wage gain over the five years.

Employees in finance, insurance, and real estate had the highest statewide dollar increase (+\$142) in average pay between 1992 and 1997, when it reached \$640. Only Appanoose had a lower weekly wage across the period in this category. Wayne's average for finance (\$308) was substantially less than half that of the Polk's \$771, which was the only one greater than \$700 in 1997.

For each of the three years reported here, the wholesale and retail trade, services, and agriculture/mining sectors had significantly lower average wages than the other four private business groups. The lowest average pay occurred in the trade sector in more than half (54) the counties; it was lowest in services in 33 others and in agriculture/mining in nine counties. Nevertheless, each of these three sectors recorded statewide pay gains from 1992 to 1997 (trade: +\$52, services: +\$64, agriculture/mining: +\$51) and, with the exception of agriculture/mining where average pay declined in 24 counties, most counties had gains as well.

Adjusting the weekly wages for inflation allows an examination of real purchasing ability. Statewide, all private businesses taken together had an inflation-adjusted weekly wage increase of \$21 between 1992 (\$448) and 1997 (\$469) (Table 5). This was a gain of about \$4 per week each year. In 11 counties, however, average pay in private businesses did not keep pace with inflation.

The state figures for weekly wage change for each of the seven industrial sectors outdistanced inflation, if just barely in the case of agriculture/mining and transportation, communication, and utilities. Workers in those industries averaged \$4 more in purchasing power each week over the five years, less

than a \$1 per week gain each year. Increases of \$13 to \$30 weekly were noted in four other sectors. The largest inflation-adjusted gain occurred in finance (+\$72). Weekly wage change between 1992 and 1997 did not keep pace with inflation in at least 20 counties regardless of sector. More than half the counties recorded real average wage declines in agriculture/mining and transportation, communication, and utilities between 1992 and 1997 after inflation was taken into account.

Government

Among government agencies located in Iowa in 1997, 1,140 were federal, 1,023 were state, and the remaining 3,534 were local offices. Taken as a whole, there were more government offices statewide than private businesses in manufacturing, agriculture/mining, or transportation, communication, and utilities in 1997.

Polk County, the location of the state capitol, had 160 state government offices in 1997. No other county had as many as 30, although all had at least three. Polk also had more federal government agencies (71) than any other county; all others had at least six federal offices in 1997. Local government locations varied from fewer than 20 in 11 counties to more than 100 in Linn and Polk in 1997.

In 1997, there were 53 fewer local government agencies, 161 fewer state offices, but 298 more federal government offices than in 1992. State offices declined or remained the same in 96 counties; those that increased gained one (Butler, Lee) or two (Johnson). Ninety-three counties had more federal offices over the five years, but for 34 of these the increase was only one or two. While 18 counties noted the same number of local government offices in 1997 as in 1992, 47 had fewer and 34 had more at the end of the period; changes, however, tended to be minor, with no county increasing or decreasing by as many as 10.

Government employees numbered 215,700 in 1997, ranking it lower than wholesale or retail trade, services, or manufacturing employment but significantly higher than the other four private business groups. The percentage increase (+5.2%) in government workers between 1992 and 1997 was lower than any of the private sectors, although it was numerically higher (10,577) than the gain of employees in finance, insurance, or real estate or in agriculture/mining employment. Most of the government employee increase over the five years was in local agencies (+8,337) rather than in offices of the state (+2,146) or federal (+94) government. Even though almost all the counties had more federal offices in 1997 than in 1992, 86 counties had fewer federal employees in the later year.

Although Polk County had more state government offices than any other county, it ranked third in state employment in 1997. Johnson had 14,900 state employees, followed by Story (8,768), Polk (8,019), and Black Hawk (2,529); together, these four accounted for 73.2% of all the state's workers. The location of state universities in Johnson, Story, and Black Hawk enhanced state employment in those locations. Polk did have more local government (17,122) and federal (5,918) employees than any other county.

Government employees in Iowa averaged \$523 weekly in 1997 (Figure 2). The federal sector's average was highest (\$710), followed by state (\$680) and local (\$449) agencies. Although local government average pay exceeded only the wholesale and retail trade, services, and agriculture/mining sectors in 1997, state and federal averages topped those in all seven private-business categories that year.

Between 1992 and 1997, average wages increased in each government category (federal: +\$76, state: +\$100, local: +\$67). County-level gains were noted for all government sectors in all counties except for federal employees in Scott. After adjusting for inflation, state and local government workers averaged modest wage increases (state: +\$19, local: +\$13). The statewide figure for federal employees, however, registered a \$13 decline after inflation was taken into account. Average wages for federal employees did not keep pace with inflation in 44 counties, as happened for state workers in 27 counties and for local employees in 30 counties.

Notes: See an annual publication called EMPLOYMENT AND WAGES COVERED BY UNEMPLOYMENT INSURANCE for more detailed data (Iowa Workforce Development, Labor Market Information, 1000 East Grand Ave., Des Moines IA 50319).

For purposes of this section, an employer is the legal entity that either pays unemployment insurance tax or reimburses the state for it. Under government coverage, the organization unit—such as the department or agency responsible for a function of government—is the employer. Employment for a given month is the number of covered workers who earned wages during the pay period that includes the 12th of the month. This excludes workers who earned wages because of work stoppages, temporary layoffs, illness, or unpaid vacation. It is important to understand that the self-employed, proprietors, unpaid family members, and most agricultural employees, elected officials, and railroad workers also are excluded.

Here are more detailed descriptions of the employer categories reported in this section.

Private Sector: This sector includes full-time and part-time employees in the following seven categories.

Agriculture, Forestry, Fishing, and Mining: This division includes establishments primarily engaged in agriculture production and services, forestry, and commercial fishing, hunting and trapping. It also includes the extraction of minerals occurring naturally and includes preparations done at mine sites.

Construction: This division includes three broad types of construction activity: building construction by general contractors/builders, heavy construction, and general contractors and special trade contractors.

Manufacturing: This division includes establishments engaged in the mechanical or chemical transformation of materials or substances into new products. These establishments are usually described as plants, factories, or mills. Establishments engaged in assembling component parts of manufactured products also are considered manufacturing if the new product is neither a structure nor other fixed improvements.

Transportation, Communications, and Electric, Gas, and Sanitary Services: This division includes establishments providing passenger and freight transportation, communication services, or electricity, gas, steam, waste, water, or sanitary services, and all establishments of the U.S. Postal Service.

Wholesale and Retail Trade: The wholesale division includes establishments primarily engaged in selling merchandise to retailers and to industrial, commercial, institutional, farms, contractors, or to other wholesalers. The retail division includes establishments engaged in selling merchandise for personal or household consumption and rendering services.

Finance, Insurance, and Real Estate: This division includes establishments operating primarily in the fields of finance, insurance, and real estate.

Services: This division includes establishments engaged in providing a wide variety of services for individuals and for business and government establishments. Included are hotels and other lodging places; establishments providing personal business, repair, and amusement services; health, legal, engineering, and other professional services; educational institutions; and membership organizations.

Government Sector: This sector includes full-time and part-time employees in federal and state government. Local government includes county, incorporated place, township, school districts, and special districts.

Figure 1. Average weekly wages of employees in private businesses, 1997.

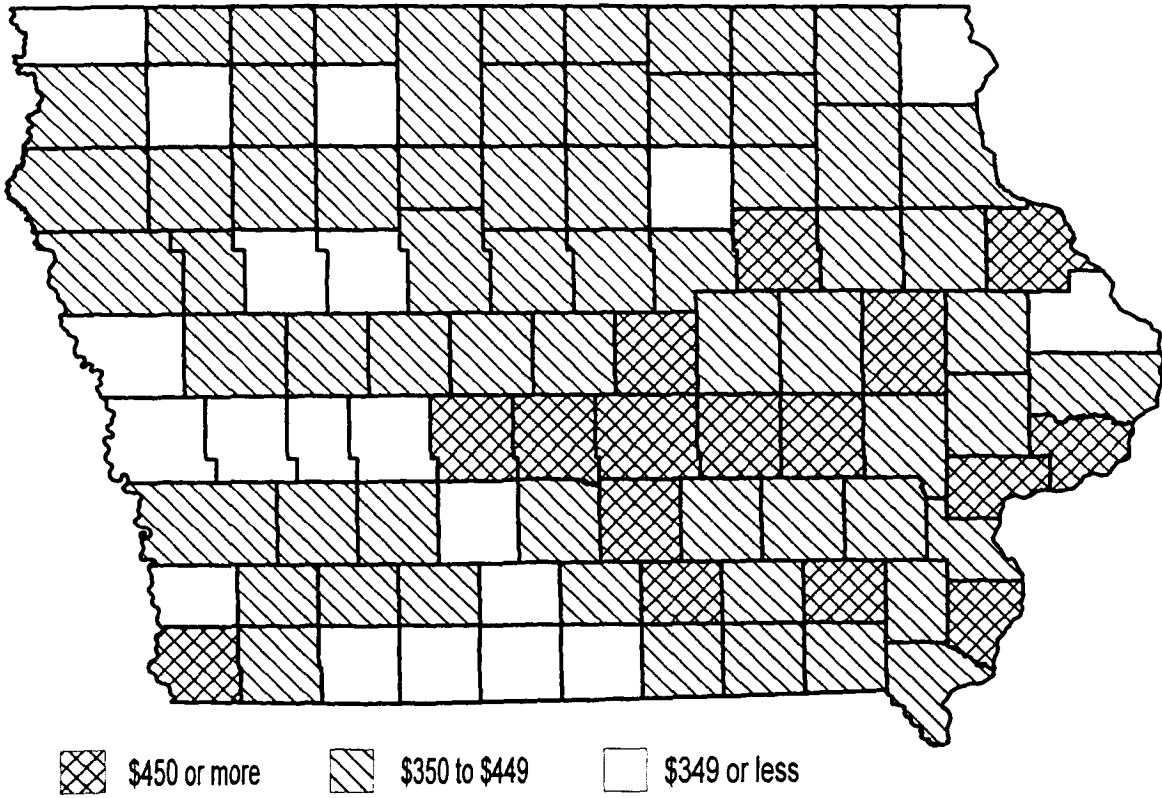
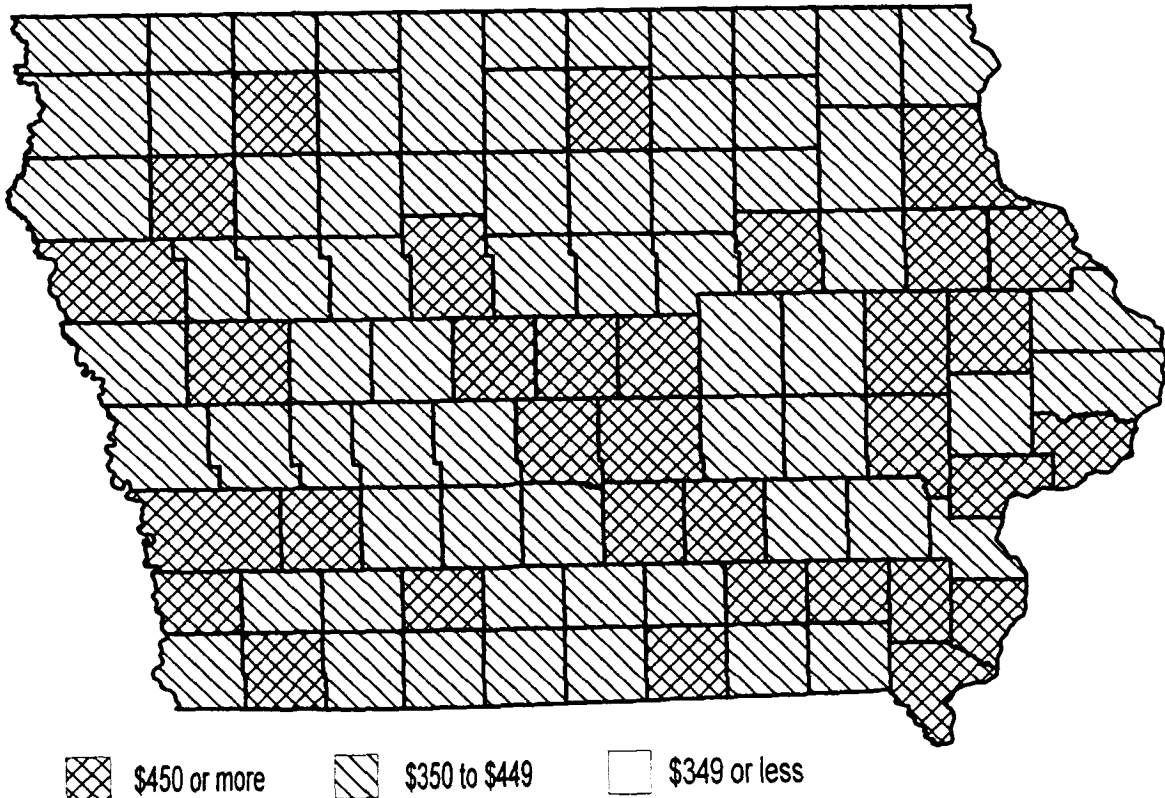


Figure 2. Average weekly wages of government employees, 1997.



Per Capita Income in Iowa's Counties: 1977-1997

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Per capita income, a measure of average income per person, was \$23,120 for Iowa in 1997, a figure about \$2,200 below that for the United States (Table 1). It increased for Iowa every year from 1977 through 1997; gains in per capita income exceeded \$1,000 in eight comparisons (1977-1978, 1980-1981, 1983-1984, 1988-1989, 1991-1992, 1993-1994, 1995-1996, 1996-1997). This information is reported annually for all states and counties by the Bureau of Economic Analysis in the U.S. Department of Commerce. In the calculation of income, the Bureau of Economic Analysis includes income from sources such as wages, salaries, self-employment, farming, interest, rent, social security, and public assistance. Also included is the imputed value of non-monetary income or benefits such as Medicare, public housing subsidies, and other "in-kind" resources. Because of the inclusion of the value of non-monetary benefits, the income figures from the Bureau of Economic Analysis will generally be higher than figures produced by the U. S. Bureau of the Census, which do not include such "in-kind" benefits. In this report, both initial per capita income figures and data adjusted for inflation are presented.

Per Capita Income

Counties in Iowa varied in per capita income (Figure 1). In 1997, Polk had the highest (\$28,271) and Decatur the lowest (\$14,808) per capita income, a difference of more than \$13,000. Starting with 1980, there has been a difference of at least \$5,000 between the lowest and the highest county every year. This gap has been increasing; it has been at least \$8,000 each year since 1988 and exceeded \$10,000 for the first time in 1993. Polk has had the highest per capita income since 1977 and Linn consistently has been among the top five in recent years. Decatur has ranked among the lowest five every year in the 1977-1997 period. Other counties among the lowest in 1997 were Appanoose, Clarke, Jones, Ringgold, Taylor, and Wayne.

Per capita income gained in all counties from 1977 to 1978, 1980 to 1981, 1991 to 1992, 1993 to 1994, and 1995 to 1996. Between 1992 and 1993, however, per capita income decreased in 71 of Iowa's 99 counties. At least 40 had declines in four other comparisons (1981-1982, 1982-1983, 1987-1988, 1994-1995). These year-to-year variations reflect changes in the economy in Iowa and its counties.

From 1977 to 1997, Iowa's per capita income increased by \$15,946 (Table 3, Figure 2), while the gain was \$17,954 in the United States. Increases were more than \$10,000 in all counties. Forty counties had increases in per capita income of at least \$15,000, with Dickinson, Iowa, Linn, and Polk the only ones exceeding \$17,500. During the 1977-1997 period, 19 counties increased every year, but the other 80 declined one or more times.

In percentage terms, Iowa's per capita income increased 222 percent between 1977 and 1997. Gains in Iowa's counties ranged from less than 180 percent in Hancock and Wright to more than 270 percent in Story and Winneshiek.

Per Capita Income Adjusted for Inflation

Rising prices of goods and services between 1977 and 1997 affected what Iowans could purchase with their income. To determine whether income was keeping pace with inflation, the per capita income figures were adjusted to 1997 dollars based on the consumer price index for each year. Per capita income adjusted for inflation was higher in 1997 than it was in 1977 for Iowa (Table 2, Figure 3), but it did not increase as frequently as was the case before adjustment (Table 1). Instead, there were

Table 1. Per Capita Income in Iowa's Counties, 1977-1997.

County	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977
Adair	20116	18985	15906	17759	15143	16388	14960	15268	14677	12802	12971	12784	11204	10188	8689	9257	9255	7303	7705	7878	6036
Adams	20439	19422	14861	17383	14659	15653	14624	14158	13574	11652	12746	12295	10806	9550	9065	9419	9151	7281	7485	7322	5863
Allamakee	18662	17638	15829	16257	15223	15319	14169	14522	13481	12024	12457	11502	10606	10421	8223	8524	8425	7018	7073	6931	6261
Appanoose	17423	16545	15270	15483	14209	14013	13309	12736	12047	11219	11044	10718	9924	9581	9033	8925	8588	7882	7491	6654	6050
Audubon	21241	20505	17450	18020	15597	16996	16094	15038	14934	12993	13710	12157	11693	10421	8410	8959	9655	7558	7492	7821	5918
Benton	21571	20510	18475	18219	16538	16749	15748	15586	15042	13540	13961	13465	12285	12048	10510	10372	10445	8910	8762	8493	6909
Black Hawk	22456	21127	20257	19309	18095	17601	16508	16171	15396	14407	13524	12549	12333	12089	11566	11419	11303	10292	9457	8382	7674
Boone	22615	22207	20804	20732	18910	18804	17618	17022	16612	15122	15040	14060	13074	12296	11600	11210	11037	9920	9201	8621	6645
Bremer	22518	21135	19437	19236	17899	17688	16206	15924	14684	13499	13251	12462	12247	11833	10471	10298	10279	9043	8515	7899	7063
Buchanan	19980	19078	17019	17161	15497	15902	15136	14844	13881	12566	12862	11401	10909	10641	8729	9055	9206	7917	7747	7308	6282
Buena Vista	22254	21113	18627	18584	16527	17153	16399	15931	15550	14266	13894	13612	12961	11651	10559	10569	11026	9461	9033	8641	7493
Butler	20339	20075	17626	17261	15748	16749	15454	15258	13574	12719	13218	12349	12231	11632	9640	9512	9702	8551	8207	8093	6610
Calhoun	21229	21383	18532	18804	15478	17123	14615	14756	15028	14239	13857	13404	12681	11830	11031	10766	11500	9951	9418	8491	6567
Carroll	23239	22190	19727	19692	17880	18767	16980	16223	16114	15240	15011	13897	13336	12837	11503	11520	11857	10050	9512	8837	6797
Cass	20494	19280	17505	18087	16699	17048	15764	15520	15337	13659	13802	13230	12655	11984	10833	10696	10819	8824	8815	8323	7033
Cedar	22178	21495	18871	19314	17670	17636	16791	16966	16097	14639	14585	13269	12997	12929	10603	10697	10907	8998	9107	8836	7144
Cerro Gordo	22953	21969	20450	19699	18176	18069	17199	17001	15690	15073	14641	13674	13135	12835	11677	11179	11009	9694	8992	8373	7428
Cherokee	21965	20997	18304	18462	15693	16981	16492	16188	15243	14619	13878	13010	12163	11452	9885	10085	10294	8531	8221	8041	6655
Chickasaw	20686	19444	17637	17477	15503	16286	15204	14872	14049	12991	13816	12448	11915	11547	9586	9501	9862	8423	8345	7989	6968
Clarke	17484	15564	14307	14882	13387	13980	13587	13564	13093	11700	11980	11355	10490	9432	8974	9105	8667	7825	7054	6778	6074
Clay	23111	22498	20108	19833	16840	17411	16307	16589	16251	15576	14677	13745	12633	11474	10427	10496	10729	9691	9158	8609	8052
Clayton	20175	19116	16996	16591	15502	15947	14797	14926	13888	12183	12814	11957	10882	10764	7837	8267	8484	6726	7046	6886	5735
Clinton	21649	20827	19118	18657	17449	17501	16462	16016	15301	14091	13642	12844	12437	12122	10753	10615	10785	9583	8863	7999	6948
Crawford	20847	20048	18178	18575	16574	16704	15304	14770	13644	12878	12780	12218	11210	10832	9323	9751	10145	7648	7571	7518	5907
Dallas	24666	24150	22258	21703	20165	19756	18399	17902	17417	15990	15516	14563	13621	13282	12347	11922	11566	9797	9386	8394	7348
Davis	18353	17395	15086	15912	15201	15059	13701	13570	12063	10998	10980	10513	9896	9637	8484	8766	8177	7243	6935	6329	5219
Decatur	14808	13880	12417	13874	12840	12938	12348	11997	11622	10099	10665	10109	9540	8455	7293	7540	7047	5970	5832	6060	4801
Delaware	19843	19029	15931	16384	15078	15289	14798	15300	14463	12751	13798	12584	11335	11073	8285	8569	8951	6963	7533	7491	6026
Des Moines	22750	21594	20286	19751	18657	18237	17375	17101	16031	15124	14625	13919	13333	12856	11624	11199	10960	9972	9423	8441	7611
Dickinson	25501	24962	22581	22133	19909	19929	18477	18418	17642	16182	15408	14271	13248	13233	11444	11113	10884	9499	9107	8748	7550
Dubuque	22874	21849	20746	19955	18731	18161	17020	16554	15706	14592	14276	13089	12588	12040	10681	10231	10103	9137	8664	7949	7067
Emmet	21632	20292	18274	18233	15518	16569	15024	15122	14398	13299	13336	12736	12111	11185	10215	10189	10948	9970	8480	8290	7160
Fayette	18995	18118	16345	16407	14372	14897	14172	14278	13530	12018	12668	11618	11099	10931	9004	8779	8870	7499	7768	7260	6086
Floyd	21377	20456	18564	17967	16536	17076	16341	16207	14244	13652	13704	12799	11985	11863	10213	10155	9871	8913	8543	7976	7270
Franklin	21343	21277	18257	18259	14705	17225	14907	15537	14882	13882	14310	13946	12466	11930	9955	9813	10401	8601	8284	8437	6608
Fremont	20180	19952	15872	16875	13576	15767	14476	13860	13870	13725	13011	13844	13064	11308	11750	10744	10876	9613	8845	8405	6522

Table 1. Per Capita Income in Iowa's Counties, 1977-1997 (continued).

County	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977
Greene	21797	22376	19866	19234	16159	18234	16107	15388	15707	13935	14659	13921	12485	11707	11452	11297	11687	10105	9681	9380	6024
Grundy	24214	22225	20971	20320	18501	19863	18017	17365	15704	14855	15271	14138	13315	13035	11873	11854	12197	10401	9954	9236	7982
Guthrie	20624	20141	17524	17786	16020	16742	15883	15760	15326	13342	13834	12674	12134	11205	9608	9978	9900	7899	7878	7589	5860
Hamilton	23428	23106	20338	20587	17267	18409	17546	16839	17084	14312	15067	14602	13852	12866	12232	11913	12146	10307	9745	9096	7442
Hancock	20320	20047	17371	17836	14619	15895	14067	15140	13926	13474	13235	13462	12987	12401	11153	10903	11133	8999	8767	8570	7475
Hardin	22570	22225	20045	19499	17445	18123	16754	16492	15089	13902	14614	14098	13252	12482	11329	10966	11157	9690	9037	8607	7024
Harrison	19162	18965	16189	16758	15119	15843	14186	13666	12909	12138	12088	11948	12028	10868	9664	9788	9832	7837	7832	7505	5892
Henry	21626	20384	18620	18645	17388	17060	16169	16029	14783	13862	13403	12918	12314	11704	10370	10296	10106	8866	8576	8015	7099
Howard	21571	19950	17890	17955	14826	15621	14755	14827	13834	11905	13012	12557	11280	11534	9149	8952	9203	7618	7874	7496	6526
Humboldt	23088	22965	20223	19747	16866	18066	15596	15929	16351	14260	14175	13312	12202	12026	10716	11043	11171	9049	8781	8886	7177
Ida	20958	20210	17285	17508	15439	16708	15338	15475	14923	14456	14071	13105	12715	12132	8970	9680	10070	7342	8073	8470	6413
Iowa	24711	22243	20105	21054	19519	19855	17766	16966	15913	14363	14895	13386	13225	13185	10289	10001	9985	8519	8493	8292	6870
Jackson	18667	17731	16244	16449	15852	15211	14375	14380	13490	12377	12557	11434	11046	10896	8974	9100	9135	7837	7561	7331	6235
Jasper	23707	22362	20622	20516	18728	18670	17813	17381	16496	15513	15432	14517	13936	13525	12101	11458	11311	9765	9143	8558	7177
Jefferson	21703	19991	17947	17855	16175	16597	15599	15600	14573	13540	13443	12846	11641	11093	9096	8832	9177	7866	7839	7168	6287
Johnson	24628	23523	22258	21815	20562	19471	18459	17678	16913	15419	14705	14027	13260	12764	11712	11145	10679	9724	8857	8180	7173
Jones	17784	16932	15108	15415	14501	14608	13815	14033	13394	11956	12266	11320	10902	10691	8679	8784	9002	7582	7590	7396	6103
Keokuk	20418	18641	15981	17022	15239	15871	15251	15151	14777	12883	14560	13209	12497	12142	10077	10158	9652	8124	8116	8047	6628
Kossuth	20694	19911	17271	18286	14725	16648	14345	15584	15429	14459	14354	14051	12514	11961	10724	10253	10512	8825	8168	8335	6953
Lee	20868	19964	18580	18353	17027	16787	16188	15681	14850	13931	13413	13116	12774	12211	11026	10734	10529	9313	8797	8046	6945
Linn	26641	25251	23979	23088	21775	20898	20127	19575	18728	17277	16431	15401	14596	13727	12747	12339	11816	10791	10060	8873	7911
Louisa	18510	17864	16747	17121	15577	16329	15078	15377	14487	13221	13358	12809	11942	11629	9670	10653	10377	8941	7793	7212	6436
Lucas	18597	17544	15992	17083	15580	15945	15157	14868	14277	13528	13163	12569	11490	10869	10065	9991	9679	8675	7882	7627	6177
Lyon	19992	19760	16683	17152	14608	15514	14986	14513	14402	12661	13058	12419	12003	11475	9625	10119	9732	7493	8259	7773	6103
Madison	21468	20408	18061	18530	16630	16587	15774	15437	14885	13534	13604	13063	12352	11481	10235	10334	9720	8624	7972	7789	6627
Mahaska	20954	19157	17556	17735	16446	16405	15622	15473	14605	13456	13876	13199	12366	11574	10250	10504	10273	8743	8526	8210	6867
Marion	22717	21188	19884	19657	18161	17803	16823	16570	15565	14784	14821	13907	13203	12602	11788	11177	10759	9373	9008	8237	6814
Marshall	22769	21441	20862	20487	19163	19166	18328	17641	16968	15203	14980	14088	13587	13034	12214	11756	11549	10403	9528	8828	7618
Mills	24139	22473	20296	21042	19088	19750	18793	18196	17033	16544	15960	14936	13690	12277	10900	10747	10158	8959	8326	8388	6962
Mitchell	23709	22776	20100	19867	17302	18786	17444	17858	16389	14438	15660	14718	13445	12983	10381	10008	9735	7932	7932	7964	6854
Monona	20173	19345	16036	17344	15361	16265	13996	14104	13958	12754	12303	12473	11737	10743	9452	10622	10833	7569	7355	7839	6417
Monroe	19876	18772	17162	17233	16154	16159	15362	14993	13993	12876	12836	11719	11201	10590	9383	9377	8767	8078	7215	6823	5945
Montgomery	22606	21518	18571	19144	17386	17987	17173	16376	15886	14340	13927	13458	12432	11770	10897	11062	10779	9343	9679	8421	7068
Muscatine	24659	23692	22090	21580	20320	19544	18173	17817	16815	15890	15297	14537	14146	13657	12330	12013	11622	10236	9216	8462	7542
O'Brien	22894	21823	18993	18697	16237	17345	16781	16558	15775	15484	14780	14046	13169	12342	10885	10892	10575	8896	8739	8767	7353
Osceola	20946	20930	18327	17981	14313	15983	15830	15177	14319	13514	12968	12293	11213	10804	9420	9441	10165	8616	8415	8631	7232

Table 1. Per Capita Income in Iowa's Counties, 1977-1997 (continued).

County	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977
Page	21360	20117	18453	18698	17120	17610	16456	16082	15423	13823	13667	13705	12392	11134	10499	10100	9741	8516	8523	7746	6752
Palo Alto	21623	21287	17752	17671	14462	16589	14044	15347	14457	13748	13873	13150	12498	10751	9672	10092	10540	9399	8086	8308	6885
Plymouth	20801	20510	18592	18394	17580	17749	16895	16094	15537	13426	14232	12953	12652	11706	9524	9899	9719	7512	8088	8148	6484
Pocahontas	21766	21362	17700	18649	14851	17362	14952	14964	15328	13910	13639	14129	13554	11184	10022	11035	11659	9220	8337	8887	7281
Polk	28271	26889	25705	24568	23415	22698	21585	20775	19660	18514	17255	16359	15700	15037	13981	13372	12634	11604	10762	9488	8528
Pottawattamie	21123	20245	18890	18207	16960	16794	15925	15255	14490	13992	13609	13072	12700	12083	11110	10646	10292	9126	8424	7963	6857
Poweshiek	22774	21122	19655	19652	17978	17987	17094	16724	15931	14673	14802	13897	12615	12483	10770	10661	10408	8810	8690	8278	6889
Ringgold	17768	16405	13721	15828	13355	14240	13371	13029	13239	11497	12492	11850	9819	8763	8329	9085	8377	7320	6902	7194	5584
Sac	20317	20175	16776	17140	14928	15839	15113	14859	14698	13911	13535	13736	12172	11822	10155	10652	11453	8786	9354	8890	6951
Scott	23983	22622	21612	20632	19916	19309	18605	18222	17122	16050	15313	14351	13996	13514	12386	12109	11897	10832	9902	8804	7886
Shelby	21441	20427	17746	17889	15973	16753	16041	15789	14812	13579	13660	12476	12626	11582	9600	10013	10232	7850	8611	8540	6107
Sioux	21180	20270	17921	17422	16320	16698	15752	15167	14526	13130	13289	12529	12461	11942	9713	9238	9812	8155	8310	8179	6359
Story	23206	22069	20769	19488	18082	17675	16708	15761	15081	13823	13441	12650	12111	11487	10459	10064	9536	8711	8010	7295	6230
Tama	20635	19562	18300	18289	16394	16575	15939	15874	14954	14107	14261	13250	12494	11936	10291	10722	10545	8806	8134	7969	6954
Taylor	17110	15408	12892	14283	12497	13571	12893	12225	11683	10673	11673	11470	10651	8942	8489	9135	8471	7280	7472	6906	5983
Union	19748	18276	17075	17064	15681	15665	14872	14532	13921	12959	12673	12277	11716	10829	10179	10223	9365	8372	7668	6992	6082
Van Buren	18746	17023	14554	15397	13793	14392	13442	13249	12356	10950	11227	10546	9887	9154	7982	8246	8041	6945	7069	6898	5924
Wapello	19890	19260	18097	17407	16241	16174	15691	15124	14328	13281	12675	12022	11656	11261	10358	10178	9702	9137	8275	7344	6567
Warren	22097	20746	19710	19308	17986	17681	16693	16036	15267	14453	13681	12909	12488	11818	10901	10544	10084	9215	8665	7976	6784
Washington	22003	20934	19162	18711	17234	17461	16829	16583	15749	14143	14707	13991	13865	13815	11929	11906	11565	9576	9542	8867	7227
Wayne	17112	16172	14089	15385	13233	13491	13095	13013	12839	11708	12663	12265	11253	10111	9146	9223	8863	7655	7358	7046	5300
Webster	22238	21559	20366	19748	17592	17634	16555	15554	15149	13785	13395	13123	12205	11679	11262	11079	11004	10065	9260	8375	7153
Winnebago	22197	21281	20020	20507	17993	18036	16404	17043	16708	16880	15956	15003	14043	13843	11419	10543	10100	8575	8504	8474	7885
Winneshiek	21031	19691	17850	17927	16508	16534	15404	15419	14234	12514	12925	11899	10887	10661	8104	8123	7980	6504	6388	6532	5617
Woodbury	23224	22412	20895	19826	18927	18640	17018	16477	15868	15072	14613	13540	13016	12310	11501	11172	10901	9559	8897	8313	7462
Worth	22264	20578	19072	18640	15022	16626	15543	16465	14854	14017	14082	13161	12508	12331	9919	9512	9511	7580	7775	8259	6983
Wright	22127	21732	19511	18880	15954	17270	15489	15782	16453	14899	14605	14191	13350	13620	12169	11889	11702	10084	9645	9265	7966
State of Iowa	23120	22032	20412	19964	18461	18368	17304	16885	16058	14882	14511	13688	13042	12460	11218	10991	10789	9495	8967	8310	7174
Counties:																					
Range: Low	14808	13880	12417	13874	12497	12938	12348	11997	11622	10099	10665	10109	9540	8455	7293	7540	7047	5970	5832	6060	4801
High	28271	26889	25705	24568	23415	22698	21585	20775	19660	18514	17255	16359	15700	15037	13981	13372	12634	11604	10762	9488	8528
Number Inc.	97	99	50	99	28	99	72	91	98	53	93	97	97	98	56	59	99	78	81	99	
United States	25288	24164	23059	22056	21220	20547	19623	19156	18153	17038	15945	15106	14410	13571	12356	11715	11144	10062	9118	8196	7334

Table 2. Adjusted Per Capita Income (1997 Dollars) in Iowa's Counties, 1977-1997.

County	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977
Adair	20116	19407	16733	19212	16797	18690	17556	18640	18861	17244	18171	18551	16509	15544	13711	15053	15951	13876	16610	18931	15607
Adams	20439	19854	15634	18806	16260	17852	17162	17285	17443	15695	17856	17842	15922	14570	14305	15316	15771	13834	16136	17595	15160
Allamakee	18662	18030	16652	17587	16885	17471	16628	17729	17324	16197	17451	16691	15628	15899	12976	13861	14520	13334	15247	16655	16189
Appanoose	17423	16913	16064	16750	15761	15981	15619	15549	15481	15112	15471	15553	14623	14618	14254	14513	14801	14976	16148	15989	15643
Audubon	21241	20961	18358	19495	17300	19383	18887	18359	19191	17502	19206	17642	17229	15899	13271	14568	16640	14360	16151	18794	15302
Benton	21571	20966	19436	19710	18344	19102	18481	19028	19330	18239	19558	19540	18102	18381	16585	16866	18002	16929	18888	20408	17864
Black Hawk	22456	21596	21310	20889	20071	20073	19373	19743	19785	19406	18946	18210	18172	18444	18251	18569	19480	19555	20387	20142	19842
Boone	22615	22700	21886	22429	20975	21445	20675	20782	21347	20370	21069	20403	19264	18760	18305	18229	19022	18848	19835	20716	17182
Bremer	22518	21605	20448	20810	19853	20172	19018	19441	18870	18183	18563	18084	18046	18053	16523	16746	17716	17182	18356	18981	18263
Buchanan	19980	19502	17904	18565	17189	18136	17763	18123	17838	16927	18018	16544	16074	16235	13774	14725	15866	15042	16700	17561	16243
Buena Vista	22254	21582	19596	20105	18332	19562	19245	19450	19983	19217	19464	19753	19098	17776	16662	17187	19003	17976	19473	20764	19374
Butler	20339	20521	18543	18674	17468	19102	18136	18628	17443	17133	18517	17920	18022	17747	15212	15468	16721	16247	17692	19447	17091
Calhoun	21229	21858	19496	20343	17168	19528	17151	18015	19312	19180	19412	19451	18685	18049	17407	17507	19820	18907	20303	20404	16980
Carroll	23239	22683	20753	21303	19832	21403	19927	19806	20707	20529	21029	20167	19650	19585	18152	18733	20435	19095	20505	21235	17575
Cass	20494	19708	18415	19567	18522	19443	18500	18948	19709	18399	19335	19199	18647	18284	17095	17393	18646	16766	19003	20000	18185
Cedar	22178	21973	19852	20895	19599	20113	19705	20713	20685	19719	20432	19255	19151	19726	16732	17395	18798	17096	19632	21233	18472
Cerro Gordo	22953	22457	21514	21311	20161	20607	20184	20756	20162	20304	20511	19843	19354	19582	18426	18178	18974	18419	19384	20120	19206
Cherokee	21965	21463	19256	19973	17407	19366	19354	19763	19588	19692	19442	18879	17922	17472	15599	16399	17741	16209	17722	19322	17208
Chickasaw	20686	19876	18554	18907	17196	18574	17843	18157	18054	17499	19355	18064	17556	17617	15127	15450	16997	16004	17989	19197	18017
Clarke	17484	15910	15051	16100	14849	15944	15945	16560	16825	15760	16783	16478	15457	14390	14161	14806	14937	14868	15206	16287	15705
Clay	23111	22998	21154	21456	18679	19857	19137	20253	20883	20981	20561	19946	18614	17506	16454	17068	18491	18413	19742	20687	20820
Clayton	20175	19541	17880	17949	17195	18187	17365	18223	17847	16411	17951	17351	16034	16422	12367	13443	14622	12779	15189	16547	14829
Clinton	21649	21290	20112	20184	19354	19959	19319	19553	19663	18981	19111	18638	18326	18494	16968	17261	18588	18208	19106	19221	17965
Crawford	20847	20493	19123	20095	18384	19050	17960	18032	17533	17347	17903	17730	16518	16526	14712	15856	17485	14531	16321	18066	15274
Dallas	24666	24687	23416	23479	22367	22531	21592	21856	22382	21539	21736	21133	20070	20264	19484	19387	19934	18614	20234	20171	19000
Davis	18353	17781	15871	17214	16861	17174	16079	16567	15502	14814	15382	15256	14581	14703	13388	14255	14093	13762	14950	15208	13495
Decatur	14808	14188	13063	15009	14242	14755	14491	14647	14935	13604	14941	14670	14057	12900	11508	12261	12145	11343	12572	14562	12414
Delaware	19843	19452	16760	17725	16724	17437	17366	18679	18586	17176	19330	18261	16702	16894	13074	13934	15427	13230	16239	18001	15581
Des Moines	22750	22074	21341	21367	20694	20799	20390	20878	20601	20372	20488	20198	19646	19614	18343	18211	18889	18947	20313	20283	19680
Dickinson	25501	25517	23755	23944	22083	22728	21684	22486	22671	21797	21585	20709	19521	20189	18059	18071	18758	18048	19632	21021	19522
Dubuque	22874	22334	21825	21588	20776	20712	19974	20210	20183	19656	19999	18994	18548	18369	16855	16637	17412	17360	18677	19101	18273
Emmet	21632	20743	19224	19725	17212	18896	17631	18462	18502	17914	18682	18482	17845	17065	16119	16569	18869	18943	18280	19921	18513
Fayette	18995	18521	17195	17750	15941	16989	16631	17431	17387	16188	17747	16859	16354	16677	14208	14276	15287	14248	16746	17446	15736
Floyd	21377	20910	19529	19437	18342	19475	19177	19787	18304	18389	19198	18573	17660	18099	16116	16513	17012	16935	18416	19166	18798
Franklin	21343	21750	19206	19753	16311	19644	17494	18969	19124	18699	20047	20238	18368	18201	15709	15957	17926	16342	17858	20274	17086
Fremont	20180	20395	16697	18256	15058	17982	16988	16921	17824	18488	18227	20090	19249	17252	18542	17471	18744	18265	19067	20197	16864

Table 2. Adjusted Per Capita Income (1997 Dollars) in Iowa's Counties, 1977-1997 (continued).

County	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977
Greene	21797	22873	20899	20808	17923	20795	18902	18787	20184	18771	20536	20201	18396	17861	18071	18370	20142	19200	20870	22540	15576
Grundy	24214	22719	22062	21983	20521	22653	21144	21200	20180	20010	21393	20516	19619	19887	18736	19276	21021	19762	21458	22194	20639
Guthrie	20624	20588	18435	19242	17769	19094	18639	19241	19695	17972	19380	18392	17879	17095	15162	16225	17062	15008	16983	18236	15152
Hamilton	23428	23619	21396	22272	19152	20995	20591	20558	21954	19278	21107	21190	20410	19629	19302	19372	20933	19583	21007	21857	19243
Hancock	20320	20492	18274	19296	16215	18128	16508	18484	17896	18150	18541	19535	19136	18920	17600	17730	19187	17098	18899	20593	19328
Hardin	22570	22719	21087	21095	19350	20669	19662	20134	19390	18726	20473	20458	19526	19044	17877	17832	19229	18411	19481	20682	18162
Harrison	19162	19386	17031	18129	16770	18068	16648	16684	16589	16350	16934	17338	17723	16581	15250	15917	16945	14890	16884	18034	15235
Henry	21626	20837	19588	20171	19287	19456	18975	19569	18997	18672	18776	18746	18144	17857	16364	16743	17417	16845	18487	19260	18356
Howard	21571	20393	18820	19424	16445	17815	17316	18102	17777	16036	18228	18222	16621	17597	14437	14557	15861	14474	16974	18013	16874
Humboldt	23088	23475	21275	21363	18708	20604	18303	19447	21012	19208	19858	19318	17979	18348	16910	17957	19253	17193	18929	21353	18557
Ida	20958	20659	18184	18941	17125	19055	18000	18893	19177	19472	19712	19017	18735	18510	14155	15741	17355	13950	17403	20353	16582
Iowa	24711	22737	21151	22777	21650	22644	20849	20713	20449	19347	20866	19425	19487	20116	16236	16263	17209	16186	18309	19925	17764
Jackson	18667	18125	17089	17795	17583	17348	16870	17556	17335	16672	17591	16592	16276	16624	14161	14798	15744	14890	16299	17616	16122
Jasper	23707	22859	21694	22195	20773	21292	20904	21220	21198	20896	21619	21066	20534	20635	19095	18632	19494	18554	19710	20565	18557
Jefferson	21703	20435	18880	19316	17941	18928	18306	19045	18727	18239	18832	18641	17153	16924	14354	14362	15816	14945	16899	17224	16256
Johnson	24628	24046	23416	23600	22807	22206	21662	21582	21734	20770	20600	20355	19538	19474	18482	18123	18405	18476	19093	19656	18547
Jones	17784	17308	15894	16676	16084	16660	16213	17132	17212	16105	17183	16427	16064	16311	13696	14284	15515	14406	16362	17772	15780
Keokuk	20418	19055	16812	18415	16903	18100	17898	18497	18989	17354	20397	19168	18414	18525	15902	16518	16635	15436	17496	19337	17138
Kossuth	20694	20353	18169	19782	16333	18986	16834	19026	19827	19476	20108	20390	18439	18249	16923	16673	18117	16768	17608	20029	17978
Lee	20868	20408	19546	19855	18886	19145	18997	19144	19083	18765	18790	19033	18822	18630	17399	17455	18146	17695	18964	19334	17958
Linn	26641	25812	25226	24977	24153	23833	23620	23898	24066	23272	23018	22349	21507	20943	20115	20065	20364	20503	21687	21322	20455
Louisa	18510	18261	17618	18522	17278	18623	17695	18773	18617	17809	18713	18588	17596	17742	15259	17323	17884	16988	16800	17330	16641
Lucas	18597	17934	16824	18481	17281	18185	17787	18152	18347	18222	18440	18239	16930	16583	15883	16247	16681	16483	16991	18327	15972
Lyon	19992	20199	17551	18556	16203	17693	17587	17718	18507	17055	18293	18022	17686	17507	15188	16455	16773	14237	17804	18678	15780
Madison	21468	20861	19000	20046	18446	18917	18511	18846	19128	18231	19058	18956	18200	17516	16151	16804	16752	16386	17185	18717	17135
Mahaska	20954	19583	18469	19186	18242	18709	18333	18890	18768	18125	19439	19154	18221	17658	16175	17081	17705	16612	18380	19728	17756
Marion	22717	21659	20918	21266	20144	20304	19743	20230	20002	19914	20763	20181	19454	19227	18602	18175	18543	17809	19419	19793	17619
Marshall	22769	21917	21947	22164	21255	21858	21509	21537	21805	20479	20985	20444	20020	19886	19274	19117	19904	19766	20540	21213	19698
Mills	24139	22972	21352	22764	21172	22524	22054	22215	21888	22285	22358	21674	20172	18731	17200	17476	17507	17022	17949	20156	18001
Mitchell	23709	23282	21145	21493	19191	21425	20471	21802	21061	19448	21938	21358	19811	19808	16381	16274	16778	15071	17099	19137	17722
Monona	20173	19775	16870	18763	17038	18550	16425	17219	17937	17180	17235	18100	17294	16390	14915	17273	18670	14381	15855	18837	16592
Monroe	19876	19189	18055	18643	17918	18429	18028	18304	17982	17344	17982	17006	16504	16157	14806	15248	15110	15348	15554	16395	15372
Montgomery	22606	21996	19537	20711	19284	20513	20153	19993	20414	19316	19510	19529	18318	17957	17196	17988	18577	17752	20865	20235	18276
Muscatine	24659	24218	23239	23346	22539	22289	21327	21752	21608	21404	21429	21095	20844	20836	19457	19535	20030	19448	19867	20334	19501
O'Brien	22894	22308	19981	20227	18010	19781	19693	20215	20272	20857	20705	20383	19404	18830	17177	17712	18226	16902	18839	21067	19012
Osceola	20946	21395	19280	19452	15876	18228	18577	18529	18401	18204	18167	17839	16522	16483	14865	15352	17519	16370	18140	20740	18700

Table 2. Adjusted Per Capita Income (1997 Dollars) in Iowa's Counties, 1977-1997 (continued).

County	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977
Page	21360	20564	19413	20228	18989	20084	19312	19634	19819	18620	19146	19888	18259	16987	16568	16424	16788	16180	18373	18613	17458
Palo Alto	21623	21760	18675	19117	16041	18919	16481	18737	18578	18519	19435	19083	18415	16403	15263	16411	18165	17858	17431	19964	17802
Plymouth	20801	20966	19559	19899	19500	20242	19827	19649	19966	18085	19938	18797	18642	17860	15029	16097	16750	14273	17435	19579	16766
Pocahontas	21766	21837	18621	20175	16473	19801	17547	18269	19697	18737	19107	20503	19971	17063	15815	17944	20094	17518	17972	21355	18826
Polk	28271	27486	27042	26579	25972	25886	25331	25363	25264	24939	24172	23739	23133	22942	22062	21745	21774	22048	23200	22799	22051
Pottawattamie	21123	20695	19872	19697	18812	19153	18689	18624	18620	18847	19065	18969	18713	18435	17532	17312	17738	17339	18160	19135	17730
Poweshiek	22774	21591	20677	21260	19941	20513	20061	20418	20472	19765	20736	20167	18588	19045	16995	17336	17938	16739	18733	19892	17813
Ringgold	17768	16769	14435	17123	14813	16240	15691	15907	17013	15487	17500	17196	14468	13370	13143	14773	14437	13908	14879	17287	14438
Sac	20317	20623	17648	18543	16558	18064	17736	18141	18888	18738	18961	19933	17935	18037	16025	17321	19739	16693	20165	21362	17973
Scott	23983	23125	22736	22320	22091	22021	21834	22247	22003	21620	21452	20825	20623	20618	19545	19691	20504	20581	21346	21156	20391
Shelby	21441	20881	18669	19353	17717	19106	18825	19276	19034	18291	19136	18104	18604	17670	15149	16282	17635	14915	18563	20521	15791
Sioux	21180	20720	18853	18848	18102	19043	18486	18517	18667	17686	18617	18181	18361	18220	15327	15022	16911	15495	17914	19654	16442
Story	23206	22559	21849	21083	20056	20158	19608	19242	19380	18620	18829	18357	17845	17526	16504	16365	16435	16551	17267	17530	16109
Tama	20635	19997	19252	19786	18184	18903	18705	19380	19217	19002	19978	19228	18410	18211	16239	17435	18174	16731	17535	19149	17981
Taylor	17110	15750	13562	15452	13862	15477	15130	14925	15013	14377	16353	16645	15694	13643	13396	14855	14599	13832	16108	16595	15470
Union	19748	18682	17963	18460	17393	17865	17453	17742	17889	17456	17754	17816	17263	16522	16063	16624	16140	15907	16530	16802	15726
Van Buren	18746	17401	15311	16657	15299	16414	15775	16175	15878	14750	15728	15304	14568	13966	12596	13409	13858	13196	15239	16576	15318
Wapello	19890	19688	19038	18832	18014	18446	18414	18464	18412	17890	17756	17446	17175	17181	16345	16551	16721	17360	17839	17647	16980
Warren	22097	21207	20735	20888	19950	20165	19590	19578	19619	19468	19166	18733	18401	18031	17202	17146	17379	17509	18679	19166	17541
Washington	22003	21399	20159	20242	19116	19914	19750	20246	20238	19051	20603	20303	20430	21077	18824	19361	19932	18194	20570	21307	18687
Wayne	17112	16531	14822	16644	14678	15386	15368	15887	16499	15771	17740	17798	16581	15426	14432	14998	15275	14545	15862	16931	13704
Webster	22238	22038	21425	21364	19513	20111	19428	18989	19467	18569	18765	19043	17984	17818	17772	18016	18965	19124	19962	20125	18495
Winnebago	22197	21754	21061	22185	19958	20569	19251	20807	21471	22738	22353	21772	20692	21120	18019	17144	17407	16293	18332	20363	20388
Winneshiak	21031	20128	18778	19394	18311	18856	18077	18824	18291	16857	18107	17267	16042	16265	12788	13209	13753	12358	13771	15696	14524
Woodbury	23224	22910	21982	21448	20994	21258	19971	20116	20391	20302	20471	19648	19179	18781	18149	18167	18788	18162	19179	19976	19294
Worth	22264	21035	20064	20165	16662	18961	18240	20102	19088	18881	19727	19099	18430	18813	15652	15468	16392	14402	16761	19846	18056
Wright	22127	22215	20526	20425	17696	19696	18177	19268	21143	20069	20460	20593	19671	20780	19203	19333	20168	19160	20792	22264	20597
State of Iowa	23120	22521	21474	21598	20477	20948	20307	20614	20635	20046	20328	19863	19217	19010	17702	17873	18594	18041	19330	19969	18550
Counties:																					
Range: Low	14808	14188	13063	15009	13862	14755	14491	14647	14935	13604	14941	14670	14057	12900	11508	12261	12145	11343	12572	14562	12414
High	28271	27486	27042	26579	25972	25886	25331	25363	25264	24939	24172	23739	23133	22942	22062	21745	21774	22048	23200	22799	22051
Number Inc.	79	98	16	99	7	97	16	47	88	14	78	93	65	97	22	7	86	3	9	97	
United States	25288	24701	24258	23861	23537	23433	23028	23387	23327	22950	22337	21921	21233	20705	19498	19050	19206	19118	19656	19695	18963

Table 3. Change in Per Capita Income and in Adjusted Per Capita Income (1997 dollars) for Iowa's Counties in Selected Periods, 1977-1997.

County	Change in Per Capita Income									Change in Adjusted Per Capita Income								
	1977-1997			1987-1997			1992-1997			1977-1997			1987-1997			1992-1997		
	\$	%	Yrs Inc	\$	%	Yrs Inc	\$	%	Yrs Inc	\$	%	Yrs Inc	\$	%	Yrs Inc	\$	%	Yrs Inc
Adair	14080	233.3	13	7145	55.1	6	3728	22.7	3	4509	28.9	10	1945	10.7	5	1426	7.6	3
Adams	14576	248.6	15	7693	60.4	7	4786	30.6	3	5279	34.8	11	2583	14.5	5	2587	14.5	3
Allamakee	12401	198.1	14	6205	49.8	6	3343	21.8	3	2473	15.3	11	1211	6.9	6	1191	6.8	3
Appanoose	11373	188.0	19	6379	57.8	9	3410	24.3	4	1780	11.4	12	1952	12.6	7	1442	9.0	3
Audubon	15323	258.9	14	7531	54.9	7	4245	25.0	3	5939	38.8	12	2035	10.6	6	1858	9.6	3
Benton	14662	212.2	17	7610	54.5	8	4822	28.8	4	3707	20.8	10	2013	10.3	5	2469	12.9	3
Black Hawk	14782	192.6	20	8932	66.0	10	4855	27.6	5	2614	13.2	12	3510	18.5	7	2383	11.9	4
Boone	15970	240.3	20	7575	50.4	10	3811	20.3	5	5433	31.6	11	1546	7.3	4	1170	5.5	2
Bremer	15455	218.8	20	9267	69.9	10	4830	27.3	5	4255	23.3	11	3955	21.3	6	2346	11.6	3
Buchanan	13698	218.1	15	7118	55.3	7	4078	25.6	3	3737	23.0	11	1962	10.9	6	1844	10.2	3
Buena Vista	14761	197.0	17	8360	60.2	9	5101	29.7	4	2880	14.9	10	2790	14.3	5	2692	13.8	3
Butler	13729	207.7	17	7121	53.9	8	3590	21.4	4	3248	19.0	10	1822	9.8	5	1237	6.5	2
Calhoun	14662	223.3	14	7372	53.2	5	4106	24.0	2	4249	25.0	9	1817	9.4	4	1701	8.7	2
Carroll	16442	241.9	17	8228	54.8	9	4472	23.8	4	5664	32.2	12	2210	10.5	6	1836	8.6	3
Cass	13461	191.4	16	6692	48.5	7	3446	20.2	3	2309	12.7	11	1159	6.0	5	1051	5.4	3
Cedar	15034	210.4	15	7593	52.1	8	4542	25.8	4	3706	20.1	11	1746	8.5	6	2065	10.3	3
Cerro Gordo	15525	209.0	20	8312	56.8	10	4884	27.0	5	3747	19.5	12	2442	11.9	6	2346	11.4	4
Cherokee	15310	230.1	16	8087	58.3	8	4984	29.4	3	4757	27.6	12	2523	13.0	6	2599	13.4	3
Chickasaw	13718	196.9	17	6870	49.7	8	4400	27.0	4	2669	14.8	11	1331	6.9	6	2112	11.4	3
Clarke	11410	187.8	16	5504	45.9	7	3504	25.1	3	1779	11.3	10	701	4.2	4	1540	9.7	3
Clay	15059	187.0	16	8434	57.5	8	5700	32.7	4	2291	11.0	10	2550	12.4	5	3254	16.4	3
Clayton	14440	251.8	14	7361	57.4	7	4228	26.5	4	5346	36.1	11	2224	12.4	6	1988	10.9	3
Clinton	14701	211.6	18	8007	58.7	9	4148	23.7	4	3684	20.5	10	2538	13.3	5	1690	8.5	3
Crawford	14940	252.9	16	8067	63.1	8	4143	24.8	3	5573	36.5	11	2944	16.4	6	1797	9.4	3
Dallas	17318	235.7	20	9150	59.0	10	4910	24.9	5	5666	29.8	11	2930	13.5	4	2135	9.5	2
Davis	13134	251.7	18	7373	67.1	9	3294	21.9	4	4858	36.0	12	2971	19.3	6	1179	6.9	3
Decatur	10007	208.4	15	4143	38.8	7	1870	14.5	3	2394	19.3	12	-133	-0.9	5	53	0.4	3
Delaware	13817	229.3	13	6045	43.8	6	4554	29.8	3	4262	27.4	11	513	2.7	6	2406	13.8	3
Des Moines	15139	198.9	20	8125	55.6	10	4513	24.7	5	3070	15.6	13	2262	11.0	6	1951	9.4	3
Dickinson	17951	237.8	19	10093	65.5	9	5572	28.0	4	5979	30.6	10	3916	18.1	5	2773	12.2	2
Dubuque	15807	223.7	20	8598	60.2	10	4713	26.0	5	4601	25.2	15	2875	14.4	8	2162	10.4	5
Emmet	14472	202.1	16	8296	62.2	7	5063	30.6	4	3119	16.8	11	2950	15.8	5	2736	14.5	3
Fayette	12909	212.1	14	6327	49.9	6	4098	27.5	3	3259	20.7	11	1248	7.0	6	2006	11.8	3

Table 3. Change in Per Capita Income and in Adjusted Per Capita Income (1997 dollars) for Iowa's Counties in Selected Periods, 1977-1997 (continued).

County	Change in Per Capita Income									Change in Adjusted Per Capita Income								
	1977-1997			1987-1997			1992-1997			1977-1997			1987-1997			1992-1997		
	\$	%	Yrs Inc	\$	%	Yrs Inc	\$	%	Yrs Inc	\$	%	Yrs Inc	\$	%	Yrs Inc	\$	%	Yrs Inc
Floyd	14107	194.0	18	7673	56.0	8	4301	25.2	4	2579	13.7	11	2179	11.4	6	1902	9.8	4
Franklin	14735	223.0	14	7033	49.1	6	4118	23.9	3	4257	24.9	9	1296	6.5	4	1699	8.6	2
Fremont	13658	209.4	14	7169	55.1	7	4413	28.0	3	3316	19.7	10	1953	10.7	5	2198	12.2	2
Greene	15773	261.8	15	7138	48.7	6	3563	19.5	3	6221	39.9	11	1261	6.1	6	1002	4.8	3
Grundy	16232	203.4	17	8943	58.6	8	4351	21.9	4	3575	17.3	12	2821	13.2	7	1561	6.9	4
Guthrie	14764	251.9	16	6790	49.1	7	3882	23.2	3	5472	36.1	11	1244	6.4	5	1530	8.0	3
Hamilton	15986	214.8	15	8361	55.5	6	5019	27.3	3	4185	21.7	10	2321	11.0	5	2433	11.6	2
Hancock	12845	171.8	15	7085	53.5	7	4425	27.8	3	992	5.1	9	1779	9.6	4	2192	12.1	2
Hardin	15546	221.3	17	7956	54.4	8	4447	24.5	4	4408	24.3	12	2097	10.2	5	1901	9.2	2
Harrison	13270	225.2	15	7074	58.5	8	3319	20.9	3	3927	25.8	9	2228	13.2	5	1094	6.1	2
Henry	14527	204.6	19	8223	61.4	9	4566	26.8	4	3270	17.8	12	2850	15.2	6	2170	11.2	3
Howard	15045	230.5	13	8559	65.8	6	5950	38.1	3	4697	27.8	11	3343	18.3	6	3756	21.1	3
Humboldt	15911	221.7	14	8913	62.9	7	5022	27.8	4	4531	24.4	9	3230	16.3	4	2484	12.1	2
Ida	14545	226.8	13	6887	48.9	7	4250	25.4	3	4376	26.4	10	1246	6.3	4	1903	10.0	3
Iowa	17841	259.7	17	9816	65.9	7	4856	24.5	3	6947	39.1	11	3845	18.4	7	2067	9.1	3
Jackson	12432	199.4	15	6110	48.7	7	3456	22.7	4	2545	15.8	12	1076	6.1	7	1319	7.6	4
Jasper	16530	230.3	20	8275	53.6	10	5037	27.0	5	5150	27.8	12	2088	9.7	6	2415	11.3	3
Jefferson	15416	245.2	17	8260	61.4	8	5106	30.8	4	5447	33.5	12	2871	15.2	6	2775	14.7	3
Johnson	17455	243.3	20	9923	67.5	10	5157	26.5	5	6081	32.8	14	4028	19.6	8	2422	10.9	4
Jones	11681	191.4	13	5518	45.0	6	3176	21.7	3	2004	12.7	10	601	3.5	5	1124	6.7	3
Keokuk	13790	208.1	16	5858	40.2	7	4547	28.6	3	3280	19.1	10	21	0.1	5	2318	12.8	3
Kossuth	13741	197.6	15	6340	44.2	7	4046	24.3	3	2716	15.1	11	586	2.9	5	1708	9.0	3
Lee	13923	200.5	20	7455	55.6	10	4081	24.3	5	2910	16.2	11	2078	11.1	6	1723	9.0	3
Linn	18730	236.8	20	10210	62.1	10	5743	27.5	5	6186	30.2	15	3623	15.7	8	2808	11.8	5
Louisa	12074	187.6	15	5152	38.6	6	2181	13.4	3	1869	11.2	12	-203	-1.1	6	-113	-0.6	3
Lucas	12420	201.1	18	5434	41.3	8	2652	16.6	3	2625	16.4	11	157	0.9	5	412	2.3	3
Lyon	13889	227.6	15	6934	53.1	7	4478	28.9	3	4212	26.7	10	1699	9.3	4	2299	13.0	2
Madison	14841	223.9	17	7864	57.8	8	4881	29.4	4	4333	25.3	12	2410	12.6	5	2551	13.5	3
Mahaska	14087	205.1	17	7078	51.0	8	4549	27.7	4	3198	18.0	12	1515	7.8	6	2245	12.0	3
Marion	15903	233.4	19	7896	53.3	9	4914	27.6	5	5098	28.9	13	1954	9.4	6	2413	11.9	3
Marshall	15151	198.9	19	7789	52.0	9	3603	18.8	4	3071	15.6	11	1784	8.5	4	911	4.2	2
Mills	17177	246.7	17	8179	51.2	8	4389	22.2	3	6138	34.1	11	1781	8.0	5	1615	7.2	3
Mitchell	16855	245.9	15	8049	51.4	7	4923	26.2	4	5987	33.8	13	1771	8.1	6	2284	10.7	3

Table 3. Change in Per Capita Income and in Adjusted Per Capita Income (1997 dollars) for Iowa's Counties in Selected Periods, 1977-1997 (continued).

County	Change in Per Capita Income									Change in Adjusted Per Capita Income								
	1977-1997			1987-1997			1992-1997			1977-1997			1987-1997			1992-1997		
	\$	%	Yrs Inc	\$	%	Yrs Inc	\$	%	Yrs Inc	\$	%	Yrs Inc	\$	%	Yrs Inc	\$	%	Yrs Inc
Monona	13756	214.4	13	7870	64.0	7	3908	24.0	3	3581	21.6	10	2938	17.0	5	1623	8.7	3
Monroe	13931	234.3	18	7040	54.8	8	3717	23.0	3	4504	29.3	12	1894	10.5	6	1447	7.9	3
Montgomery	15538	219.8	16	8679	62.3	8	4619	25.7	3	4330	23.7	12	3096	15.9	6	2093	10.2	3
Muscatine	17117	227.0	20	9362	61.2	10	5115	26.2	5	5158	26.4	13	3230	15.1	7	2370	10.6	4
O'Brien	15541	211.4	17	8114	54.9	9	5549	32.0	4	3882	20.4	11	2189	10.6	5	3113	15.7	3
Osceola	13714	189.6	16	7978	61.5	9	4963	31.1	4	2246	12.0	12	2779	15.3	6	2718	14.9	2
Page	14608	216.4	16	7693	56.3	8	3750	21.3	3	3902	22.4	11	2214	11.6	5	1276	6.4	3
Palo Alto	14738	214.1	14	7750	55.9	7	5034	30.3	4	3821	21.5	12	2188	11.3	5	2704	14.3	2
Plymouth	14317	220.8	15	6569	46.2	8	3052	17.2	4	4035	24.1	11	863	4.3	5	559	2.8	2
Pocahontas	14485	198.9	12	8127	59.6	6	4404	25.4	3	2940	15.6	9	2659	13.9	4	1965	9.9	2
Polk	19743	231.5	20	11016	63.8	10	5573	24.6	5	6220	28.2	16	4099	17.0	9	2385	9.2	5
Pottawattamie	14266	208.1	20	7514	55.2	10	4329	25.8	5	3393	19.1	14	2058	10.8	7	1970	10.3	4
Poweshiek	15885	230.6	18	7972	53.9	8	4787	26.6	4	4961	27.9	10	2038	9.8	5	2261	11.0	3
Ringgold	12184	218.2	14	5276	42.2	6	3528	24.8	3	3330	23.1	12	268	1.5	5	1528	9.4	3
Sac	13366	192.3	14	6782	50.1	8	4478	28.3	3	2344	13.0	8	1356	7.2	4	2253	12.5	2
Scott	16097	204.1	20	8670	56.6	10	4674	24.2	5	3592	17.6	15	2531	11.8	9	1962	8.9	5
Shelby	15334	251.1	13	7781	57.0	7	4688	28.0	3	5650	35.8	11	2305	12.0	6	2335	12.2	3
Sioux	14821	233.1	16	7891	59.4	8	4482	26.8	4	4738	28.8	12	2563	13.8	6	2137	11.2	4
Story	16976	272.5	20	9765	72.7	10	5531	31.3	5	7097	44.1	13	4377	23.2	7	3048	15.1	4
Tama	13681	196.7	17	6374	44.7	8	4060	24.5	4	2654	14.8	12	657	3.3	6	1732	9.2	3
Taylor	11127	186.0	15	5437	46.6	7	3539	26.1	3	1640	10.6	12	757	4.6	6	1633	10.6	3
Union	13666	224.7	19	7075	55.8	10	4083	26.1	5	4022	25.6	11	1994	11.2	5	1883	10.5	3
Van Buren	12822	216.4	15	7519	67.0	7	4354	30.3	3	3428	22.4	12	3018	19.2	6	2332	14.2	3
Wapello	13323	202.9	20	7215	56.9	10	3716	23.0	5	2910	17.1	13	2134	12.0	8	1444	7.8	4
Warren	15313	225.7	20	8416	61.5	10	4416	25.0	5	4556	26.0	13	2931	15.3	7	1932	9.6	3
Washington	14776	204.5	18	7296	49.6	8	4542	26.0	4	3316	17.7	10	1400	6.8	6	2089	10.5	3
Wayne	11812	222.9	16	4449	35.1	7	3621	26.8	3	3408	24.9	10	-628	-3.5	5	1726	11.2	3
Webster	15085	210.9	19	8843	66.0	9	4604	26.1	4	3743	20.2	11	3473	18.5	7	2127	10.6	4
Winnebago	14312	181.5	16	6241	39.1	6	4161	23.1	3	1809	8.9	10	-156	-0.7	5	1628	7.9	3
Winneshiek	15414	274.4	14	8106	62.7	6	4497	27.2	3	6507	44.8	11	2924	16.1	6	2175	11.5	3
Woodbury	15762	211.2	20	8611	58.9	10	4584	24.6	5	3930	20.4	12	2753	13.4	6	1966	9.2	4
Worth	15281	218.8	15	8182	58.1	7	5638	33.9	4	4208	23.3	12	2537	12.9	6	3303	17.4	3
Wright	14161	177.8	16	7522	51.5	7	4857	28.1	4	1530	7.4	9	1667	8.1	5	2431	12.3	3
State of Iowa	15946	222.3	20	8609	59.3	10	4752	25.9	5	4570	24.6	11	2792	13.7	5	2172	10.4	3
United States	17954	244.8	20	9343	58.6	10	4741	23.1	5	6325	33.4	16	2951	13.2	9	1855	7.9	5

nine times when it declined. The purchasing power of Iowa's residents was greater in 1978 than it was from 1979 through 1986.

County trends for adjusted per capita income show more variation than when the unadjusted figures were examined. Between 1977 and 1997, differences between the highest and lowest counties reached \$8,000-\$9,999 in 7 years, \$10,000-\$11,999 in 10 years, and more than \$12,000 in 4 years. While all counties had increases in adjusted per capita income in at least eight year-to-year comparisons from 1977 to 1997, in no county did the adjusted figures increase every year. Polk increased 16 times, while Dubuque, Linn, and Scott had gains from one year to the next on 15 occasions. Calhoun, Franklin, Hancock, Harrison, Humboldt, Pocahontas, Sac, and Wright increased in fewer than 10 of the 20 comparisons. More counties experienced declines with the adjusted than the unadjusted figures, indicating that some did not always keep up with inflation even though income rose.

For the entire period between 1977 and 1997, Iowa's adjusted per capita income increased by \$4,570; the increase was \$6,325 for the nation. All counties experienced gains (Table 3). Twenty-three increased by at least \$5,000, with Story exceeding \$7,000.

The state's percentage increase in adjusted per capita income from 1977 to 1997 was 24.6 percent. Gains ranged from less than 10 percent in Hancock, Winnebago, and Wright to more than 40 percent in Story and Winneshiek. These percentage changes for adjusted per capita income were much less dramatic than those for the unadjusted figures. The adjusted numbers, however, represent real gains in buying power after the effect of inflation was removed.

When income in 1987 is adjusted for inflation that occurred from that year to 1997, the increase in Iowa is \$2,792 (+13.7%) (Table 3). Ninety-five counties noted adjusted figures higher in 1997 than in 1987, indicating that buying power had increased in nearly all counties. Similar results generally occur when the 1992-1997 period is examined, when 98 counties had higher adjusted per capita income in 1997 than in 1992.

Figure 1. Per capita income, 1997.

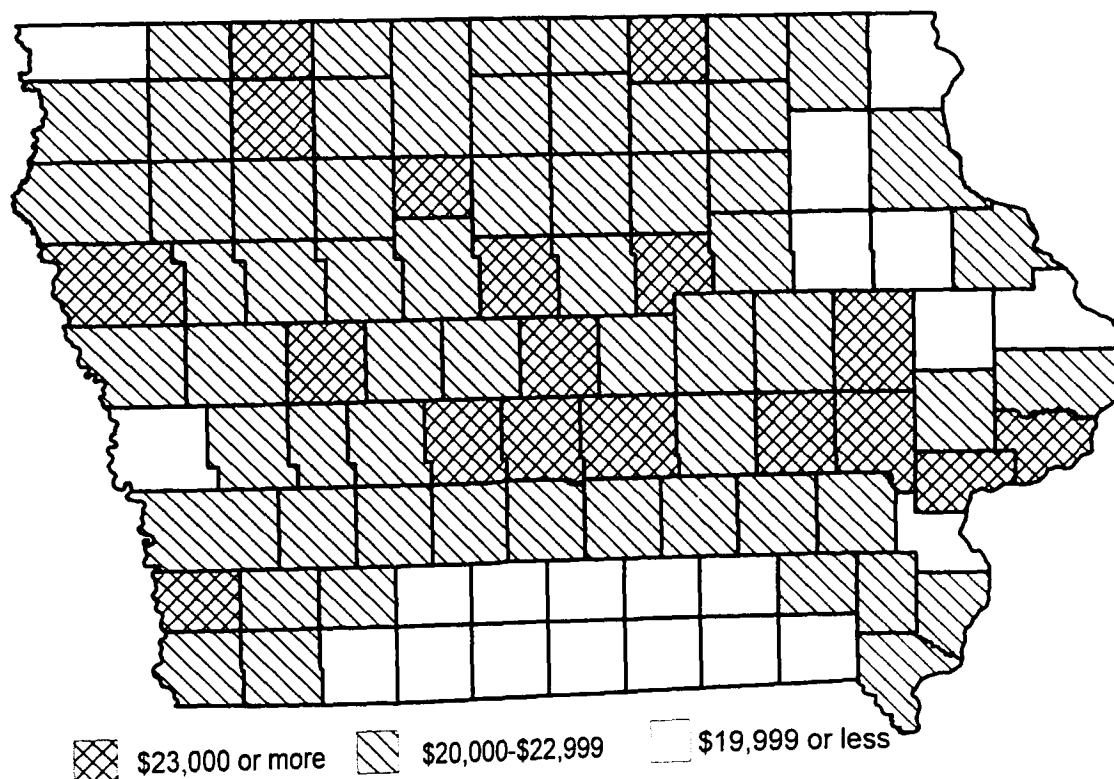


Figure 2. Per capita income in Iowa and the United States, 1977-1997.

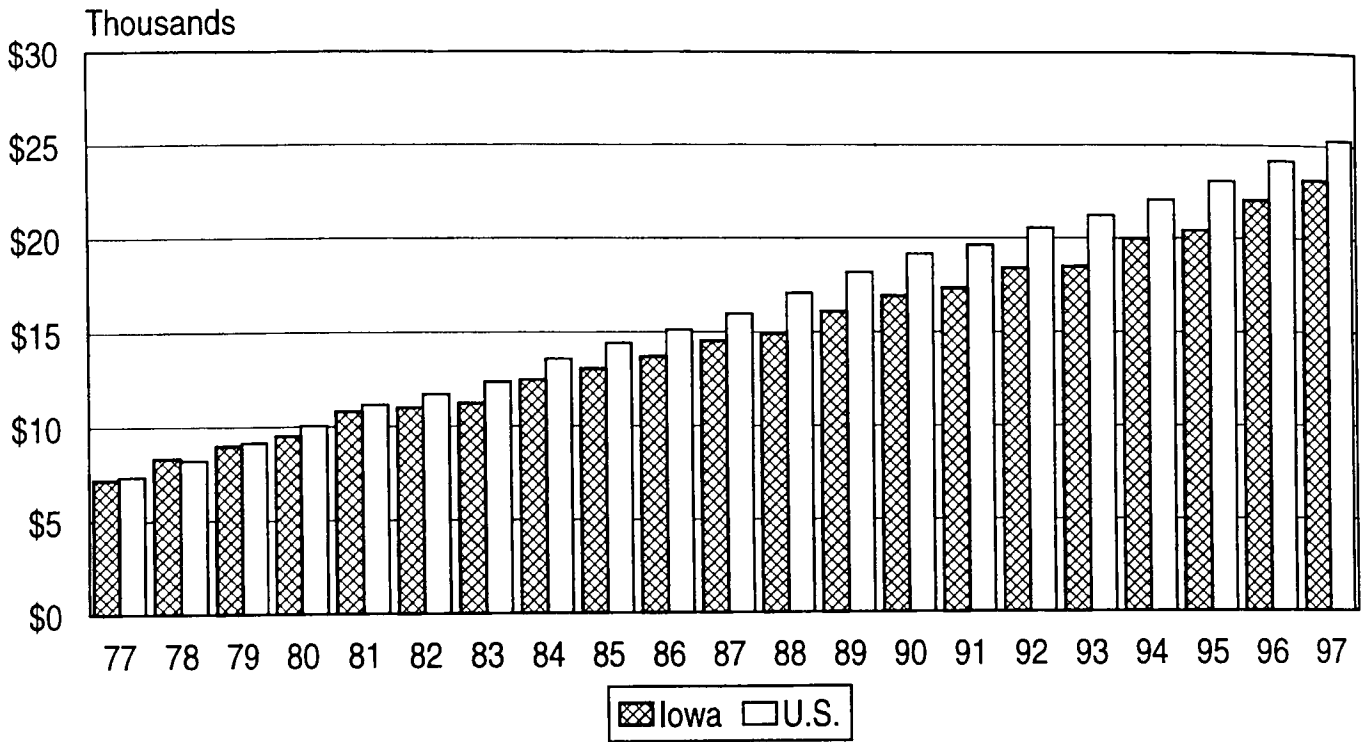
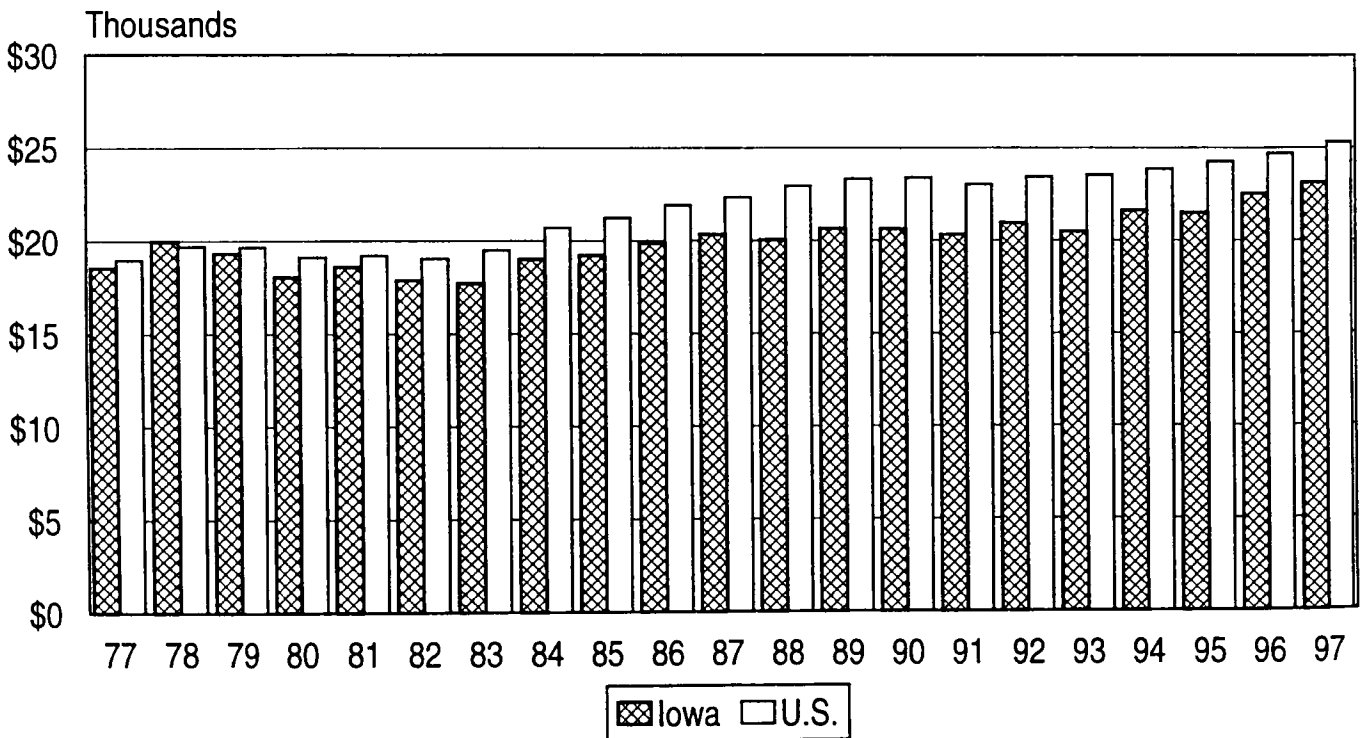


Figure 3. Adjusted per capita income (in 1997 dollars) in Iowa and the United States, 1977-1997.



Personal Income in Iowa's Counties: 1987-1997

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Information related to selected categories of income is estimated annually by the Bureau of Economic Analysis of the U.S. Department of Commerce. Four categories are included in this report. Nonfarm earnings include any income from wages, salaries, and self-employment received from other than farming activities. The second category consists of farm earnings, which refer to wages, salaries, and self-employment earnings received in farming activities. Dividends, interest, and rent constitute the third category. The fourth category includes transfer payments, with Social Security and public assistance benefits the two primary components; also included is the imputed value of non-monetary income or benefits such as Medicare, public housing subsidies, and other "in-kind" resources. The sum of the four categories represents total personal income in Iowa and its counties. Because of the inclusion of the value of non-monetary benefits, the income figures from the Bureau of Economic Analysis will generally be higher than figures produced by the U.S. Bureau of the Census which do not include such "in-kind" benefits. In this report, both initial income figures and data adjusted for inflation (using 1997 dollar values) are presented. The adjusted figures indicate whether income trends were keeping pace with the rising prices of goods and services.

Total Personal Income

Total personal income is derived from broad sources: personal employment, which generates personal earnings from farm or nonfarm sources; dividends, interest, and rents received by individuals, (the returns received for investing money, land, and capital in the production process); and transfer payments to individuals, which include payments for which no goods or services are provided in return.

Personal income totaled \$66.0 billion in 1997, up \$3.2 billion from 1996 and \$25.8 billion from 1987 (Table 1). In 1997, income ranged from less than \$100 million in Adams and Ringgold to \$10.1 billion in Polk. Adams and Ringgold are two of Iowa's least populous counties, while Polk has the highest number of residents; in general, total income tends to follow the ranking on total population. Income increased by 64.4 percent from 1987 to 1997 in Iowa; gains occurred in all counties. Two (Adams, Wayne) increased by less than \$25 million; five others (Black Hawk, Johnson, Linn, Polk, Scott) each gained more than \$1 billion from 1987 to 1997.

When inflation is taken into account, however, increases in total personal income show a somewhat different pattern (Table 2). Adjusted income increased between 1987 and 1997 but not annually. Instead, 6 of the 10 year-to-year comparisons produced gains; the total increase for the period was \$9.7 billion or 17.3 percent. County patterns also differed; 10 counties had lower total personal income in 1997 than in 1987 after inflation was included in the calculations. Gains in adjusted income in the remaining 89 counties were greatest in Polk (\$2.5 billion), Linn (\$1.0 billion), Johnson (\$646 million), and Scott (\$548 million); 12 others increased by at least \$100 million from 1987 to 1997 when the adjusted figures were used.

Nonfarm Earnings

Of the four categories summed to yield total personal income, nonfarm earnings constituted by far the largest share (\$41.0 billion or 62.1% of the total in 1997) (Table 3). Statewide, nonfarm earnings increased each year from 1987 to 1997; the gain was 72.7 percent during this period. All counties reported increases as well. Nonfarm earnings tend to follow the distribution of population; counties with

Table 1. Total Personal Income (in \$1,000s) in Iowa's Counties, 1987-1997.

County	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987
Adair	163989	156111	131179	147133	127320	137449	125664	128101	123746	108930	110898
Adams	90138	86485	67010	79266	67301	72881	69184	68537	67692	59367	66494
Allamakee	261415	247816	223683	227057	213392	214085	197146	200685	189627	170279	176396
Appanoose	235765	225115	207707	210982	196426	193526	182808	174948	166459	156619	155903
Audubon	144819	140419	120263	125128	109229	120974	116437	110255	110574	97568	104263
Benton	539299	506754	449816	434717	387895	383009	356134	349805	337534	301857	310133
Black Hawk	2730462	2583406	2483859	2387319	2249022	2187166	2056064	2004205	1897658	1764148	1674500
Boone	592288	574651	531779	523362	476512	475765	446777	428999	417111	380685	378306
Bremer	524598	492815	450736	444443	414654	407483	371571	363919	333410	303936	300952
Buchanan	423223	404331	360676	365082	327388	333538	316555	309407	289983	260881	267343
Buena Vista	434856	418634	371058	372168	334189	344029	326894	317996	311825	287688	279289
Butler	320115	315656	277305	271135	246920	264282	244565	239850	214816	203088	211332
Calhoun	241992	245672	213549	219443	178165	197337	168170	169724	174290	165638	162973
Carroll	503418	478845	425825	422875	386150	402747	363581	347327	346468	331146	326812
Cass	302332	286982	261493	272819	250930	255910	237066	234449	233511	209366	212762
Cedar	399025	381926	333337	338134	309369	311648	293648	295954	279785	253698	254880
Cerro Gordo	1065211	1019582	953503	915748	846146	845950	809605	794760	734920	711722	693334
Cherokee	293054	282005	249207	255995	218150	237214	231846	228330	215519	208700	201329
Chickasaw	277683	260665	236543	233838	206316	216051	201360	197672	188493	175870	189504
Clarke	143912	128464	116560	121377	111596	116689	112381	112326	109024	98386	100022
Clay	407014	394861	352470	350149	297569	308925	287388	292789	283613	267822	254133
Clayton	379037	359155	318707	311741	291979	299160	279092	284471	266893	235965	248737
Clinton	1084061	1048278	972473	951333	894029	896452	838901	817941	781319	723798	705580
Crawford	343261	329527	299440	306147	273593	278454	255137	247010	232766	225115	225089
Dallas	883008	832638	741693	704512	641829	613670	559620	534804	510558	466536	446974
Davis	154914	146080	127988	134167	127418	125198	113907	112888	100135	92107	93926
Decatur	121205	114191	102679	112811	103288	105235	100504	99489	98673	85468	91274
Delaware	366366	349796	293045	300820	276002	279765	268612	276159	261109	229331	247347
Des Moines	957947	914845	863037	845200	799696	781409	743287	729272	683022	647335	628127
Dickinson	409477	393398	351793	340786	306105	303618	280641	275053	261919	238289	225816
Dubuque	2016259	1930743	1832293	1759236	1646059	1587279	1477880	1430652	1360811	1274640	1243797
Emmet	237371	223967	203827	205978	177065	192379	174355	175129	166055	155253	155366
Fayette	416437	398119	358810	359616	315174	327248	311764	312342	295556	262917	278662
Floyd	352788	338369	307840	300458	277813	289174	275346	276075	246597	237542	240339
Franklin	232836	234446	200939	201501	165354	192451	168601	176311	169624	160090	168789
Fremont	157341	158003	127548	137518	110431	129070	118151	114071	114452	115853	112835
Greene	219601	225082	198596	193670	163802	183943	161974	154111	159696	143687	154224
Grundy	297613	273166	256291	246496	223011	239730	215324	208662	190253	182332	189709
Guthrie	236593	229649	198915	199722	179326	187053	176731	172540	167359	147567	152852
Hamilton	375644	371198	329901	330152	276970	296776	281395	269967	278524	235579	249675
Hancock	244224	243252	210602	214956	177710	196778	175670	190885	178702	173330	170690
Hardin	419232	414482	375801	363701	324566	340484	317429	314708	289924	269518	286984
Harrison	293133	288766	244167	249258	223835	232696	208139	201227	191472	183035	183433
Henry	429477	404659	369784	367754	339907	334097	314665	309198	281684	264939	255410
Howard	209473	194435	174405	175693	146588	154565	145527	145350	137139	119750	131868
Humboldt	238981	238449	209871	205938	176589	190653	166364	171270	175954	154987	155146
Ida	167829	163361	141635	145700	128332	138411	127013	129060	125235	120620	117912
Iowa	382695	341759	304854	314743	290360	293117	262049	247996	233178	211202	218939
Jackson	374234	356920	327120	332572	319104	305441	285999	286242	272344	254764	261255
Jasper	848046	793011	725632	721516	655616	650363	618780	605157	573326	538951	533452

Table 1. Total Personal Income (in \$1,000s) in Iowa's Counties, 1987-1997 (continued).

County	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987
Jefferson	370663	337490	301028	300184	270869	273460	255453	254697	238684	221263	219131
Johnson	2510306	2384856	2250545	2188894	2033596	1906889	1784365	1704754	1596099	1427300	1330771
Jones	360557	344099	307491	307715	287685	288483	270328	273254	259686	228868	233426
Keokuk	235196	214917	185838	196012	177072	184151	177228	175742	172265	152386	173268
Kossuth	370608	357385	312372	332027	267180	303185	262441	289295	290673	275205	274964
Lee	807100	773168	725708	714468	661981	655579	629714	605752	577415	545720	532015
Linn	4829638	4540858	4294342	4083078	3812615	3617797	3434931	3311326	3140660	2867627	2700205
Louisa	219988	213494	197980	201290	183014	186641	175161	178609	167566	153838	155424
Lucas	169571	158421	144359	154057	141046	144188	138175	134541	131016	125732	123533
Lyon	239601	235793	197460	204105	174742	185606	178959	173929	171394	151219	155425
Madison	294976	277834	242897	241521	214040	211943	198289	193268	184643	166763	166744
Mahaska	456375	416964	383296	385428	356327	353041	335331	333514	312693	290101	297859
Marion	709237	659146	616275	603188	552579	537942	507159	496937	467459	441826	438586
Marshall	883861	830059	807687	783679	726119	723844	698718	675345	649435	583869	580681
Mills	346301	314391	280160	285327	255060	263955	249216	239711	225520	220338	210801
Mitchell	262675	252357	222586	219689	190563	203656	190505	195079	180373	160406	174566
Monona	204368	195091	161519	175244	154794	163433	139662	141072	141776	131328	127247
Monroe	160700	151921	140228	140568	131752	132425	125342	121865	113228	104964	105855
Montgomery	268427	255718	221328	229112	209263	214100	205594	197686	192380	172921	168405
Muscatine	1009520	970215	909427	885439	833846	795819	735506	711889	668548	631468	604853
O'Brien	343109	327645	289978	286758	250024	268323	259031	255490	244846	240876	230726
Osceola	147964	147808	129373	128616	102881	115253	115069	110486	103942	99260	95446
Page	366254	347920	307965	313171	284607	293295	277172	271253	259759	231349	231881
Palo Alto	217852	215209	179846	183869	150827	174302	148573	163226	155605	149052	152358
Plymouth	517706	507468	452581	446258	421003	420925	396535	376372	364300	318046	335342
Pocahontas	192152	191060	161195	170075	135889	161445	140372	142034	148879	137239	136563
Polk	10068200	9516511	9014565	8515395	8032551	7675575	7179570	6821591	6339601	5871175	5398245
Pottawattamie	1801656	1714971	1581689	1517500	1416159	1400631	1318584	1261403	1199385	1165943	1140358
Poweshiek	431353	400511	371157	372650	339126	340430	323690	318299	303544	277607	277498
Ringgold	95165	87752	73080	84425	71730	76754	72094	70537	71955	62335	67821
Sac	242440	242054	201763	207578	179926	192654	183804	182926	181524	172220	169960
Scott	3785545	3556610	3383943	3218992	3098489	2993567	2851568	2757208	2569043	2410985	2310809
Shelby	280382	267042	231270	234609	210417	221672	212886	208821	196695	182182	183957
Sioux	657095	629414	559566	544451	504088	507575	473998	453826	433970	393575	393312
Story	1732721	1643112	1540344	1446396	1350757	1311914	1236419	1170705	1111620	1021279	985380
Tama	364585	345329	324914	324587	288628	288843	276923	276654	261505	249340	253921
Taylor	121961	110355	92110	101535	88377	95755	91164	86880	83975	77274	86452
Union	247243	230368	212481	212378	196864	196632	188330	185715	175877	165204	162905
Van Buren	146876	131875	113044	119171	107132	111210	103958	101828	94755	85938	88381
Wapello	706558	686366	644849	626332	585557	580374	560725	540156	511128	472687	459312
Warren	878779	817648	765272	740345	681343	658150	611139	580119	544345	508329	479352
Washington	459843	432661	393149	378916	349132	352380	334669	325488	308572	277706	287038
Wayne	115830	110291	96381	106061	92392	94100	92122	92013	90604	82926	91580
Webster	859358	840100	799778	778887	701524	707130	666048	627135	613613	560914	550672
Winnebago	266670	254986	238739	243952	212997	214808	196388	206837	202650	203282	191951
Winneshiek	438133	412298	373842	376212	346763	346884	323847	321268	299369	263367	270886
Woodbury	2368036	2294410	2130870	2008156	1907669	1861296	1687896	1622036	1551013	1470606	1414561
Worth	173348	161863	149487	146009	119577	130993	122506	131291	120227	114438	115261
Wright	312704	310567	280164	268424	225827	246151	219156	224953	236070	213325	210763
State of Iowa	65992877	62759320	57983165	56484598	52072589	51556485	48294014	46932893	44490221	41199495	40152215

Table 2. Adjusted Total Personal Income (1997 dollars in \$1,000s) in Iowa's Counties, 1987-1997.

County	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987
Adair	163989	159579	138001	159174	141223	156755	147472	156394	159020	146730	155357
Adams	90138	88406	70495	85753	74650	83118	81190	83674	86988	79968	93151
Allamakee	261415	253322	235316	245638	236693	244156	231359	245009	243680	229368	247112
Appanoose	235765	230116	218509	228248	217875	220709	214533	213588	213908	210968	218404
Audubon	144819	143539	126517	135368	121156	137966	136644	134606	142093	131426	146062
Benton	539299	518013	473209	470292	430251	436807	417939	427064	433748	406606	434464
Black Hawk	2730462	2640803	2613035	2582685	2494602	2494379	2412880	2446861	2438584	2376334	2345800
Boone	592288	587418	559435	566191	528544	542592	524312	523749	536008	512788	529967
Bremer	524598	503764	474177	480814	459932	464719	436055	444295	428448	409406	421602
Buchanan	423223	413314	379433	394958	363137	380387	371491	377744	372642	351411	374520
Buena Vista	434856	427935	390355	402624	370680	392352	383624	388230	400710	387520	391255
Butler	320115	322669	291727	293323	273882	301404	287008	292824	276049	273563	296054
Calhoun	241992	251130	224655	237401	197620	225055	197355	207210	223971	223117	228308
Carroll	503418	489484	447971	457481	428315	459318	426678	424039	445228	446059	457829
Cass	302332	293358	275092	295145	278330	291856	278207	286230	300073	282019	298057
Cedar	399025	390411	350673	365805	343150	355423	344609	361319	359538	341735	357060
Cerro Gordo	1065211	1042234	1003091	990688	938540	964774	950107	970294	944408	958700	971288
Cherokee	293054	288270	262167	276944	241971	270533	272081	278760	276953	281122	282041
Chickasaw	277683	266456	248845	252974	228844	246398	236305	241331	242223	236900	265475
Clarke	143912	131318	122622	131310	123782	133079	131884	137135	140101	132527	140120
Clay	407014	403634	370801	378803	330062	352317	337262	357455	364457	360760	356014
Clayton	379037	367134	335282	337252	323861	341181	327527	347300	342971	317848	348455
Clinton	1084061	1071568	1023048	1029185	991652	1022369	984487	998594	1004033	974967	988444
Crawford	343261	336848	315013	331201	303468	317566	299414	301566	299116	303233	315326
Dallas	883008	851137	780266	762166	711913	699867	656738	652923	656092	628431	626164
Davis	154914	149326	134644	145147	141331	142784	133675	137821	128678	124070	131581
Decatur	121205	116728	108019	122043	114566	120016	117946	121463	126800	115127	127865
Delaware	366366	357568	308285	325438	306140	319061	315228	337152	335538	308912	346507
Des Moines	957947	935170	907920	914367	887018	891167	872280	890342	877717	871970	879940
Dickinson	409477	402138	370088	368674	339530	346265	329344	335802	336579	320979	316345
Dubuque	2016259	1973639	1927584	1903203	1825799	1810231	1734356	1746631	1748709	1716959	1742430
Emmet	237371	228943	214427	222834	196399	219401	204613	213809	213389	209128	217652
Fayette	416437	406964	377470	389045	349589	373214	365869	381327	379804	354153	390376
Floyd	352788	345887	323850	325046	308149	329792	323130	337050	316889	319973	336690
Franklin	232836	239655	211389	217991	183410	219483	197861	215252	217975	215644	236456
Fremont	157341	161513	134181	148772	122489	147199	138655	139265	147076	156056	158070
Greene	219601	230083	208924	209519	181688	209780	190084	188149	205217	193549	216052
Grundy	297613	279235	269620	266668	247362	273403	252692	254748	244484	245604	265762
Guthrie	236593	234751	209260	216066	198907	213327	207401	210648	215065	198775	214130
Hamilton	375644	379445	347058	357170	307213	338462	330229	329593	357917	317328	349769
Hancock	244224	248656	221555	232547	197115	224418	206156	233045	229641	233478	239119
Hardin	419232	423691	395345	393464	360007	388309	372517	384216	372567	363045	402035
Harrison	293133	295182	256865	269656	248276	265381	244260	245671	246051	246551	256970
Henry	429477	413649	389015	397849	377023	381025	369273	377489	361978	356877	357803
Howard	209473	198755	183475	190071	162595	176275	170782	177453	176230	161305	184733
Humboldt	238981	243747	220786	222791	195871	217432	195235	209097	226110	208770	217343
Ida	167829	166990	149001	157623	142345	157852	149055	157565	160933	162477	165182
Iowa	382695	349352	320708	340500	322066	334289	307526	302769	299645	284492	306711
Jackson	374234	364850	344132	359788	353948	348344	335632	349462	349975	343171	365991
Jasper	848046	810630	763369	780561	727205	741714	726165	738814	736752	725975	747311

Table 2. Adjusted Total Personal Income (1997 dollars in \$1,000s) in Iowa's Counties, 1987-1997 (continued).

County	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987
Jefferson	370663	344988	316683	324750	300446	311871	299785	310950	306721	298045	306980
Johnson	2510306	2437841	2367587	2368022	2255653	2174734	2094030	2081272	2051066	1922594	1864271
Jones	360557	351744	323482	332897	319098	329004	317242	333606	333709	308289	327005
Keokuk	235196	219692	195503	212053	196407	210017	207985	214557	221369	205266	242730
Kossuth	370608	365325	328617	359198	296354	345771	307986	353190	373529	370705	385196
Lee	807100	790346	763449	772936	734265	747663	738997	739541	742007	735093	745297
Linn	4829638	4641744	4517675	4417216	4228930	4125959	4031041	4042678	4035903	3862736	3782705
Louisa	219988	218237	208276	217763	202998	212857	205559	218057	215331	207222	217733
Lucas	169571	161941	151867	166664	156447	164441	162154	164256	168362	169363	173057
Lyon	239601	241032	207729	220808	193823	211677	210016	212344	220250	203694	217734
Madison	294976	284007	255529	261286	237412	241713	232701	235954	237275	224632	233591
Mahaska	456375	426228	403230	416969	395236	402630	393525	407175	401826	390770	417269
Marion	709237	673790	648325	652550	612917	613502	595173	606692	600708	595146	614413
Marshall	883861	848501	849692	847811	805407	825516	819976	824504	834556	786480	813473
Mills	346301	321376	294730	308677	282911	301031	292466	292654	289804	296799	295310
Mitchell	262675	257964	234162	237667	211371	232262	223566	238165	231788	216069	244549
Monona	204368	199425	169919	189585	171697	186389	163899	172230	182189	176901	178260
Monroe	160700	155296	147521	152071	146139	151026	147094	148781	145504	141388	148292
Montgomery	268427	261399	232838	247861	232113	244173	241273	241348	247218	232927	235918
Muscatine	1009520	991771	956723	957899	924897	907601	863148	869119	859117	850597	847336
O'Brien	343109	334924	305059	310225	277325	306012	303984	311918	314639	324464	323223
Osceola	147964	151092	136101	139141	114115	131442	135038	134888	133571	133705	133710
Page	366254	355650	323981	338799	315684	334492	325273	331163	333803	311631	324841
Palo Alto	217852	219990	189199	198916	167296	198785	174357	199277	199960	200775	213438
Plymouth	517706	518743	476118	482777	466974	480049	465351	459499	468143	428413	469779
Pocahontas	192152	195305	169578	183993	150727	184122	164733	173404	191317	184863	191310
Polk	10068200	9727943	9483379	9212252	8909658	8753700	8425537	8328233	8146700	7908560	7562377
Pottawattamie	1801656	1753073	1663947	1641685	1570795	1597366	1547416	1540001	1541269	1570543	1597522
Poweshiek	431353	409409	390459	403146	376157	388247	379864	388600	390069	373941	388746
Ringgold	95165	89702	76881	91334	79562	87535	84605	86116	92466	83966	95010
Sac	242440	247432	212256	224565	199573	219715	215702	223328	233267	231983	238096
Scott	3785545	3635629	3559929	3482418	3436826	3414049	3346439	3366175	3301347	3247633	3237202
Shelby	280382	272975	243297	253808	233393	252808	249831	254942	252763	245402	257705
Sioux	657095	643398	588667	589006	559131	578870	556257	554060	557673	530151	550989
Story	1732721	1679618	1620452	1564762	1498252	1496188	1450991	1429271	1428486	1375678	1380414
Tama	364585	353001	341812	351150	320144	329414	324981	337757	336047	335865	355717
Taylor	121961	112807	96900	109844	98027	109205	106985	106069	107912	104089	121110
Union	247243	235486	223531	229758	218360	224251	221013	226733	226011	222532	228213
Van Buren	146876	134805	118923	128923	118830	126831	121999	124318	121765	115760	123813
Wapello	706558	701615	678385	677588	649496	661894	658035	659457	656825	636716	643448
Warren	878779	835814	805071	800931	755742	750595	717198	708246	699510	684727	671522
Washington	459843	442274	413595	409925	387255	401876	392749	397376	396530	374074	402110
Wayne	115830	112741	101393	114740	102481	107317	108109	112335	116431	111703	128294
Webster	859358	858765	841371	842627	778126	806455	781636	765646	788523	755560	771434
Winnebago	266670	260651	251155	263916	236255	244980	230470	252520	260415	273824	268903
Winneshiek	438133	421458	393284	406999	384627	395608	380049	392224	384704	354759	379483
Woodbury	2368036	2345386	2241689	2172493	2115975	2122737	1980819	1980285	1993128	1980928	1981652
Worth	173348	165459	157261	157958	132634	149393	143766	160288	154498	154150	161469
Wright	312704	317467	294734	290390	250486	280726	257189	274637	303362	287352	295257
State of Iowa	65992877	64153668	60998654	61107012	57758606	58798198	56675121	57298665	57172127	55496335	56249058

Table 3. Nonfarm Earnings (in \$1,000s) in Iowa's Counties, 1987-1997.

County	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987
Adair	80324	76708	74084	69604	67130	64416	59635	58473	53369	52014	47404
Adams	40025	37589	37501	36895	34137	32570	30885	29434	29348	28516	26960
Allamakee	135210	128226	122826	117999	111089	105614	96911	92064	89814	87194	84362
Appanoose	122059	114319	111419	112911	108163	103616	98000	89025	83719	80120	76214
Audubon	60189	57213	56202	54568	51045	50229	47168	43333	41926	41985	38037
Benton	323599	298749	281925	265144	240776	225866	211844	201499	193120	182034	168280
Black Hawk	1772966	1654512	1618930	1557506	1474996	1423788	1323559	1282776	1223925	1151150	1058411
Boone	335722	323069	301209	287300	269418	258037	242910	232639	222333	210363	196940
Bremer	317774	293132	280747	271927	256846	243819	223405	212229	196652	184183	169333
Buchanan	240889	222759	216440	206668	190735	181635	171178	163957	155811	148924	134577
Buena Vista	216285	205719	200304	191327	182565	174302	165838	155508	154390	144638	135524
Butler	159268	149247	145765	138097	133973	129766	120758	114512	109987	102750	97700
Calhoun	98857	95063	92716	88612	87162	82426	78321	73550	72656	67579	62143
Carroll	259489	242476	226021	218229	212716	197264	180137	168278	162666	159536	151262
Cass	147200	136594	135159	131949	128568	119909	110428	108696	108409	104482	97047
Cedar	220488	208397	199289	191924	183109	176036	167187	162291	151232	143622	133530
Cerro Gordo	636830	606461	581952	553132	521037	504886	484302	462312	444264	432191	403358
Cherokee	137853	132035	127146	122187	118360	113205	109188	104919	97246	94933	90553
Chickasaw	147869	139075	134894	128605	120818	115563	108298	102234	102217	99680	96846
Clarke	82047	74846	69964	68305	64948	65765	64012	62787	62487	55925	52081
Clay	233687	218780	207012	197497	186424	174388	164002	161022	154911	148025	134703
Clayton	184560	171934	165786	147727	141722	137278	126148	121552	115825	111578	103046
Clinton	672672	643312	610466	588452	561328	552907	517522	491154	471027	447163	418129
Crawford	171736	163755	160271	149026	143309	136498	126463	119811	117383	119570	116784
Dallas	615827	560747	511651	478568	438583	410762	372581	352675	329597	317870	288602
Davis	79150	76281	73772	71420	67703	64088	60377	58165	54829	51337	47216
Decatur	61811	56373	55212	56289	53083	50899	49953	50134	50853	45586	46482
Delaware	189789	177852	170753	164502	155388	147166	140666	135561	127207	115264	106337
Des Moines	599355	574538	556043	541413	512513	497433	474714	458650	433937	412650	398754
Dickinson	224440	212533	198700	185875	176811	163523	146929	141174	129384	117048	106472
Dubuque	1255067	1202191	1191501	1141299	1049725	1002124	918653	876623	836064	800029	768760
Emmet	120694	110683	106142	102900	101931	97028	91516	86135	79603	77563	72535
Fayette	201724	190399	188218	180493	164097	156404	146799	142408	137877	133012	126061
Floyd	162644	158094	150097	144151	144989	141830	136112	132157	127360	120839	113625
Franklin	107760	103377	100117	96387	90385	86239	80537	77873	74141	71057	66379
Fremont	68566	65202	64918	63440	59551	56530	53196	52192	51493	51937	50722
Greene	90756	87729	83000	78941	76334	73668	67427	63191	61889	60796	58949
Grundy	154663	140927	137840	134091	126245	122037	112414	106298	98889	92093	87962
Guthrie	121747	114176	109509	102876	98749	93827	89350	85243	79139	73924	68570
Hamilton	202176	192815	182856	179976	164399	157317	154700	146050	142973	136952	125589
Hancock	113788	109422	109128	106717	98350	92248	87753	87642	86359	83968	76428
Hardin	202901	194054	186965	180126	171118	163543	154520	151643	137769	134114	131548
Harrison	161382	153138	143570	136926	128009	122431	113546	109171	102615	97044	92413
Henry	262848	249384	241390	231635	216012	208558	193609	186295	173238	162066	149982
Howard	100436	91582	88856	86762	76377	71199	66009	61661	58019	55912	54483
Humboldt	117722	108345	102484	99473	92526	87258	81693	78164	75743	71910	67505
Ida	84611	80709	75846	74557	70962	67534	62935	60184	56639	55864	50473
Iowa	238064	207037	194630	189640	177799	168685	154142	139654	131641	122722	113918
Jackson	207717	198294	191912	190065	179773	172487	162103	156315	146293	140873	133890
Jasper	526945	493515	464785	447823	409778	392042	378066	367748	351059	334765	313283

Table 3. Nonfarm Earnings (in \$1,000s) in Iowa's Counties, 1987-1997 (continued).

County	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987
Jefferson	224125	203119	185835	176369	165620	163647	152709	147064	140602	138648	128395
Johnson	1823228	1736855	1672482	1598800	1482611	1402952	1315708	1243235	1169550	1063546	972448
Jones	199174	189302	181919	175232	165572	160895	151035	143646	135212	127043	116861
Keokuk	105980	96446	90180	85828	81328	79775	76708	73471	71328	68297	67152
Kossuth	168624	160491	152773	149753	145357	142516	132910	130905	129263	120130	113321
Lee	479421	463545	453683	434246	403326	393798	374347	366930	351326	333317	319670
Linn	3423978	3205508	3069923	2902133	2702108	2544882	2398999	2303949	2184556	2026226	1883011
Louisa	134538	134168	132233	126141	120044	115640	112200	108800	103524	94175	90067
Lucas	87246	81757	77189	85358	81562	81337	78797	74405	73018	69732	66709
Lyon	107550	99934	95698	93177	89074	82953	76281	71715	69774	66124	62018
Madison	193005	179462	165517	156260	143648	133026	123699	118951	110268	105434	97255
Mahaska	257788	236524	226073	216862	203743	196045	181260	179260	165865	159929	150348
Marion	446389	418756	393157	374953	348303	332322	311208	302833	288192	274189	262195
Marshall	528486	497925	499811	488929	452366	441416	429559	408514	388016	362052	343809
Mills	191635	175163	165244	156070	144681	138402	131518	126217	120266	114886	107282
Mitchell	119212	112459	107886	101830	98610	93340	86530	84501	77772	73004	71495
Monona	95036	89308	87076	82628	77859	71196	66930	61720	60612	56081	52727
Monroe	91011	87524	84506	82077	79279	76629	72628	69923	63687	60821	59954
Montgomery	134607	127187	122984	119381	112829	107184	104105	100353	95347	88697	82431
Muscatine	620996	602142	573701	548646	531137	503424	467361	448430	428087	405550	385082
O'Brien	154589	146251	140410	135691	129759	123356	115952	110606	104442	103492	95830
Osceola	63041	61168	58128	55570	52847	50286	47830	44905	40843	39376	37130
Page	191809	181017	177260	170059	156360	149998	137868	133970	127591	117277	108287
Palo Alto	97789	91521	85048	80041	78108	73270	68154	65311	65463	62771	60811
Plymouth	284530	269761	261106	253764	242327	225031	209784	193252	179878	163730	161647
Pocahontas	79951	74897	72241	70910	68939	67575	65088	63903	62066	57809	54405
Polk	7305595	6873790	6524463	6161578	5825581	5549320	5119185	4863248	4520655	4211007	3841359
Pottawattamie	1192558	1124642	1050484	989509	934439	903557	860435	831442	803272	782683	752141
Poweshiek	247267	233410	227995	222066	209741	201441	193675	186714	177008	169556	156406
Ringgold	42454	39889	38063	37042	34980	33691	31583	30635	29875	27543	25984
Sac	101500	93361	90057	87154	81278	78343	74486	69913	67279	63586	60619
Scott	2575836	2394143	2299180	2182496	2081540	2045023	1939494	1863059	1750743	1655137	1588965
Shelby	128077	121687	114542	107899	105734	102539	98654	93059	85836	84455	77864
Sioux	352930	326755	311049	297961	280515	258804	239391	227396	209491	195387	178890
Story	1167033	1100650	1051672	999714	946737	899449	852686	810662	762469	704182	656609
Tama	196803	186156	186025	178779	165080	151844	147706	143243	137651	132379	124606
Taylor	50887	47777	46563	44044	41976	40041	38446	36044	33474	33228	31481
Union	136515	126396	122557	117354	113392	109258	100987	98730	94864	90149	84390
Van Buren	78172	67937	63768	62076	57703	56521	52367	51302	48092	44025	42386
Wapello	414940	405642	397002	380921	357644	346484	335480	325915	307676	285095	269183
Warren	643546	601168	570018	539766	508882	482193	448030	423464	396777	373193	342180
Washington	246409	233020	221915	211796	196599	192360	180850	170651	161680	151441	138309
Wayne	49309	47555	46842	46679	44114	42886	41561	41410	39442	37691	37111
Webster	489390	470177	455185	437207	407200	389077	368385	350713	332446	314582	295410
Winnebago	146807	141814	141286	140166	129235	115648	108563	107613	109575	111703	98628
Winneshiek	248520	233996	227123	215396	203278	195220	181913	168587	156923	146889	137249
Woodbury	1591362	1537554	1449558	1343905	1257725	1196521	1087826	1056951	1009255	952890	896370
Worth	76004	72023	70230	67937	64070	61206	57986	58164	55611	55303	50928
Wright	143471	139323	135966	129470	117388	111524	106915	102439	102910	97787	91678
State of Iowa	40999304	38644422	37011529	35283559	33213792	31750488	29734171	28465184	26948879	25407577	23739248

Table 4. Adjusted Nonfarm Earnings (1997 dollars in \$1,000s) and Percentage of Total Personal Income from Nonfarm Earnings in Iowa's Counties, 1987, 1992, 1996, and 1997.

County	Adjusted Nonfarm Earnings (1997 \$s in \$1,000s)				% of Total Personal Income from Nonfarm Earnings			
	1997	1996	1992	1987	1997	1996	1992	1987
Adair	80324	78412	73464	66408	49.0	49.1	46.9	42.7
Adams	40025	38424	37145	37768	44.4	43.5	44.7	40.5
Allamakee	135210	131075	120449	118182	51.7	51.7	49.3	47.8
Appanoose	122059	116859	118170	106768	51.8	50.8	53.5	48.9
Audubon	60189	58484	57284	53286	41.6	40.7	41.5	36.5
Benton	323599	305386	257592	235743	60.0	59.0	59.0	54.3
Black Hawk	1772966	1691271	1623776	1482723	64.9	64.0	65.1	63.2
Boone	335722	330247	294281	275892	56.7	56.2	54.2	52.1
Bremer	317774	299645	278066	237218	60.6	59.5	59.8	56.3
Buchanan	240889	227708	207148	188528	56.9	55.1	54.5	50.3
Buena Vista	216285	210290	198785	189855	49.7	49.1	50.7	48.5
Butler	159268	152563	147993	136867	49.8	47.3	49.1	46.2
Calhoun	98857	97175	94004	87056	40.9	38.7	41.8	38.1
Carroll	259489	247863	224972	211902	51.5	50.6	49.0	46.3
Cass	147200	139629	136752	135953	48.7	47.6	46.9	45.6
Cedar	220488	213027	200762	187062	55.3	54.6	56.5	52.4
Cerro Gordo	636830	619935	575803	565062	59.8	59.5	59.7	58.2
Cherokee	137853	134968	129106	126855	47.0	46.8	47.7	45.0
Chickasaw	147869	142165	131795	135671	53.3	53.4	53.5	51.1
Clarke	82047	76509	75002	72960	57.0	58.3	56.4	52.1
Clay	233687	223641	198883	188705	57.4	55.4	56.4	53.0
Clayton	184560	175754	156560	144357	48.7	47.9	45.9	41.4
Clinton	672672	657605	630569	585755	62.1	61.4	61.7	59.3
Crawford	171736	167393	155671	163602	50.0	49.7	49.0	51.9
Dallas	615827	573205	468458	404301	69.7	67.3	66.9	64.6
Davis	79150	77976	73090	66145	51.1	52.2	51.2	50.3
Decatur	61811	57625	58048	65116	51.0	49.4	48.4	50.9
Delaware	189789	181803	167837	148967	51.8	50.8	52.6	43.0
Des Moines	599355	587303	567303	558613	62.6	62.8	63.7	63.5
Dickinson	224440	217255	186492	149156	54.8	54.0	53.9	47.1
Dubuque	1255067	1228901	1142884	1076952	62.2	62.3	63.1	61.8
Emmet	120694	113142	110657	101614	50.8	49.4	50.4	46.7
Fayette	201724	194629	178373	176598	48.4	47.8	47.8	45.2
Floyd	162644	161606	161752	159177	46.1	46.7	49.0	47.3
Franklin	107760	105674	98352	92990	46.3	44.1	44.8	39.3
Fremont	68566	66651	64470	71056	43.6	41.3	43.8	45.0
Greene	90756	89678	84016	82581	41.3	39.0	40.0	38.2
Grundy	154663	144058	139179	123226	52.0	51.6	50.9	46.4
Guthrie	121747	116713	107006	96059	51.5	49.7	50.2	44.9
Hamilton	202176	197099	179414	175937	53.8	51.9	53.0	50.3
Hancock	113788	111853	105205	107068	46.6	45.0	46.9	44.8
Hardin	202901	198365	186515	184285	48.4	46.8	48.0	45.8
Harrison	161382	156540	139628	129461	55.1	53.0	52.6	50.4
Henry	262848	254925	237852	210109	61.2	61.6	62.4	58.7
Howard	100436	93617	81200	76325	47.9	47.1	46.1	41.3
Humboldt	117722	110752	99514	94567	49.3	45.4	45.8	43.5
Ida	84611	82502	77020	70707	50.4	49.4	48.8	42.8
Iowa	238064	211637	192379	159587	62.2	60.6	57.5	52.0
Jackson	207717	202700	196715	187566	55.5	55.6	56.5	51.2
Jasper	526945	504480	447109	438877	62.1	62.2	60.3	58.7

Table 4. Adjusted Nonfarm Earnings (1997 dollars in \$1,000s) and Percentage of Total Personal Income from Nonfarm Earnings in Iowa's Counties, 1987, 1992, 1996, and 1997 (continued).

County	Adjusted Nonfarm Earnings (1997 \$s in \$1,000s)				% of Total Personal Income from Nonfarm Earnings			
	1997	1996	1992	1987	1997	1996	1992	1987
Jefferson	224125	207632	186633	179868	60.5	60.2	59.8	58.6
Johnson	1823228	1775443	1600013	1362298	72.6	72.8	73.6	73.1
Jones	199174	193508	183495	163710	55.2	55.0	55.8	50.1
Keokuk	105980	98589	90980	94073	45.1	44.9	43.3	38.8
Kossuth	168624	164057	162534	158751	45.5	44.9	47.0	41.2
Lee	479421	473844	449112	447824	59.4	60.0	60.1	60.1
Linn	3423978	3276726	2902341	2637902	70.9	70.6	70.3	69.7
Louisa	134538	137149	131883	126174	61.2	62.8	62.0	57.9
Lucas	87246	83573	92762	93452	51.5	51.6	56.4	54.0
Lyon	107550	102154	94605	86881	44.9	42.4	44.7	39.9
Madison	193005	183449	151711	136244	65.4	64.6	62.8	58.3
Mahaska	257788	241779	223582	210622	56.5	56.7	55.5	50.5
Marion	446389	428060	379001	367308	62.9	63.5	61.8	59.8
Marshall	528486	508988	503418	481640	59.8	60.0	61.0	59.2
Mills	191635	179055	157842	150291	55.3	55.7	52.4	50.9
Mitchell	119212	114958	106451	100157	45.4	44.6	45.8	41.0
Monona	95036	91292	81196	73865	46.5	45.8	43.6	41.4
Monroe	91011	89469	87392	83989	56.6	57.6	57.9	56.6
Montgomery	134607	130013	122239	115477	50.1	49.7	50.1	48.9
Muscatine	620996	615520	574136	539460	61.5	62.1	63.3	63.7
O'Brien	154589	149500	140683	134248	45.1	44.6	46.0	41.5
Osceola	63041	62527	57349	52015	42.6	41.4	43.6	38.9
Page	191809	185039	171067	151699	52.4	52.0	51.1	46.7
Palo Alto	97789	93554	83562	85190	44.9	42.5	42.0	39.9
Plymouth	284530	275754	256639	226451	55.0	53.2	53.5	48.2
Pocahontas	79951	76561	77067	76216	41.6	39.2	41.9	39.8
Polk	7305595	7026508	6328787	5381343	72.6	72.2	72.3	71.2
Pottawattamie	1192558	1149629	1030472	1053671	66.2	65.6	64.5	66.0
Poweshiek	247267	238596	229736	219108	57.3	58.3	59.2	56.4
Ringgold	42454	40775	38423	36401	44.6	45.5	43.9	38.3
Sac	101500	95435	89347	84921	41.9	38.6	40.7	35.7
Scott	2575836	2447335	2332270	2225974	68.0	67.3	68.3	68.8
Shelby	128077	124391	116942	109079	45.7	45.6	46.3	42.3
Sioux	352930	334015	295156	250606	53.7	51.9	51.0	45.5
Story	1167033	1125104	1025787	919841	67.4	67.0	68.6	66.6
Tama	196803	190292	173172	174560	54.0	53.9	52.6	49.1
Taylor	50887	48838	45665	44102	41.7	43.3	41.8	36.4
Union	136515	129204	124605	118222	55.2	54.9	55.6	51.8
Van Buren	78172	69446	64460	59378	53.2	51.5	50.8	48.0
Wapello	414940	414654	395152	377097	58.7	59.1	59.7	58.6
Warren	643546	614524	549923	479358	73.2	73.5	73.3	71.4
Washington	246409	238197	219379	193756	53.6	53.9	54.6	48.2
Wayne	49309	48612	48910	51989	42.6	43.1	45.6	40.5
Webster	489390	480623	443727	413839	56.9	56.0	55.0	53.6
Winnebago	146807	144965	131892	138168	55.1	55.6	53.8	51.4
Winneshiek	248520	239195	222641	192272	56.7	56.8	56.3	50.7
Woodbury	1591362	1571714	1364586	1255721	67.2	67.0	64.3	63.4
Worth	76004	73623	69803	71345	43.8	44.5	46.7	44.2
Wright	143471	142418	127189	128431	45.9	44.9	45.3	43.5
State of Iowa	40999304	39503000	36210216	33256206	62.1	61.6	61.6	59.1

Table 5. Farm Earnings (in \$1,000s) in Iowa's Counties, 1987-1997.

County	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987
Adair	14973	13784	-6009	17026	158	14798	10086	11468	17280	6736	14710
Adams	13910	14260	-2726	11876	3262	11136	9024	10468	10889	3723	11565
Allamakee	20169	19470	7000	19735	12360	21129	17666	26430	23570	11338	20718
Appanoose	5173	4464	-2418	3808	-2249	2181	-699	3114	3569	764	4349
Audubon	25274	26668	10139	18809	7041	19972	18248	17315	20877	11554	22611
Benton	50887	51395	22425	29019	11451	27249	15913	25700	28781	7273	30730
Black Hawk	34342	38844	21291	27287	6929	27853	16341	24030	14791	7731	27752
Boone	28279	35407	23459	24139	3166	23794	13367	13070	23509	8206	25845
Bremer	31566	32374	15550	22564	5968	22763	13736	19683	10780	2315	14306
Buchanan	31964	37109	9049	24520	4891	26499	20544	27454	21573	7642	30400
Buena Vista	52792	55136	25617	40518	13821	35494	27380	32306	33695	30390	32014
Butler	43036	50933	23258	28303	10238	31756	24826	28452	13318	14184	26449
Calhoun	30454	43322	19701	33642	-4215	26049	8210	15329	26194	26965	28912
Carroll	49616	52343	30107	38890	13351	43809	29394	32005	44957	41694	47855
Cass	14655	15543	-941	17848	-944	19823	12373	14910	20323	8955	18260
Cedar	31315	31883	7013	20930	5744	17806	12500	24701	26379	12858	25090
Cerro Gordo	38090	38796	20860	28928	-2363	22879	14527	28527	11961	21194	29080
Cherokee	38834	39801	18526	35722	3952	29057	29562	30704	32394	32472	30300
Chickasaw	31343	27751	15249	22183	4298	21768	16712	20412	13706	6324	22217
Clarke	5194	-852	-4403	4459	-2405	3044	1327	4161	4457	1642	6943
Clay	34833	42280	20602	32792	-3117	22758	14850	24682	26229	22877	25881
Clayton	41295	41229	16175	32493	22088	39553	35299	49220	42916	21755	43996
Clinton	33894	39246	15832	31461	11026	28696	15086	30128	32564	15242	29573
Crawford	25409	25508	3261	22725	-121	19907	14789	21310	22347	20044	22060
Dallas	30183	45692	18845	23994	8252	20334	14211	15923	24650	5662	17518
Davis	10268	6591	-5701	5232	676	6490	3059	6601	3195	1135	6555
Decatur	5330	6121	-1581	8815	3598	7938	5651	5547	6573	662	5899
Delaware	47802	49172	10317	27812	14672	30118	28453	43911	42974	28053	55033
Des Moines	23047	17991	7511	15203	5782	12093	6890	13996	9740	12019	11993
Dickinson	16620	23614	9232	16234	-5184	11108	9279	13763	18369	15888	18568
Dubuque	42352	42887	14682	28160	15605	30087	28490	37811	45122	24246	43414
Emmet	27862	27757	15104	24926	-5462	16754	7542	16359	18666	14805	17816
Fayette	52784	50808	25165	37679	15331	38719	34959	43774	37017	17038	39266
Floyd	36956	36644	20392	24859	6505	23937	18740	27659	8810	16222	27120
Franklin	31007	44808	18492	26505	-3298	26699	10996	23668	25868	24280	34817
Fremont	25364	31192	3201	16875	-4037	18250	11538	9815	12054	16601	13948
Greene	33606	45270	28720	30527	6296	30477	16626	16326	26606	15504	25753
Grundy	39370	33616	27308	28766	13408	31287	21521	21985	15064	17917	28312
Guthrie	25466	30158	8331	19201	3422	18058	13492	15262	21234	11133	20544
Hamilton	39059	51402	24675	34494	940	28109	18541	19095	37064	6455	28858
Hancock	31474	38791	13331	23704	-5037	21719	6440	21877	17914	19861	23621
Hardin	44758	55211	33940	37277	10640	35433	22096	26638	21179	9289	30999
Harrison	27423	35258	2339	18461	3507	20141	5489	7781	6283	8624	15169
Henry	30273	25579	8313	19008	8651	13948	9652	14752	6937	6860	11291
Howard	31156	28427	13896	19739	1898	13939	12937	19064	18629	5982	20022
Humboldt	29046	41206	23740	23252	-858	21708	5302	15618	27046	16388	20163
Ida	20216	22815	10049	17982	5861	19692	13006	18130	20698	17818	19766
Iowa	28199	24283	6233	24096	7862	21501	13660	19095	19269	5820	23702
Jackson	9534	8832	-3965	9410	-177	6136	1113	15289	15529	7806	21085
Jasper	39944	31779	11475	31154	13892	30720	22036	28264	27195	15452	35280

Table 5. Farm Earnings (in \$1,000s) in Iowa's Counties, 1987-1997 (continued).

County	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987
Jefferson	20129	13524	500	16300	5132	12511	9298	13246	11266	4709	12513
Johnson	27541	24769	3756	22334	6732	18492	14896	24227	22491	6334	21826
Jones	30675	30468	7349	20431	10569	19229	13319	20697	20199	4522	21817
Keokuk	33351	25657	5820	25114	11340	19819	17699	21352	23389	10593	30689
Kossuth	55065	57936	27309	52771	-4618	39953	8500	37074	47136	48858	54624
Lee	27423	20091	2161	15787	4312	14975	8154	11028	6002	7215	12357
Linn	30652	28582	4030	21245	4059	17837	7277	17841	22414	-932	14442
Louisa	16254	13568	3929	16304	3756	12745	4719	13484	9838	7882	12359
Lucas	4329	2021	-3149	2012	-1984	2482	726	2708	2615	1547	4525
Lyon	45887	54279	25985	39897	15603	33556	33208	33926	36049	25130	36063
Madison	14173	13525	-1869	10352	-3284	7909	5327	7292	12165	666	9435
Mahaska	38505	27432	10517	27622	12441	24328	21968	26716	27757	15641	33870
Marion	20900	10236	444	16551	3072	11719	9779	13439	13079	11245	19753
Marshall	37515	35631	24855	25445	10059	27069	20962	23346	26177	10926	31245
Mills	14364	14650	-3407	10028	-6515	10452	7555	7833	7965	10418	15136
Mitchell	38579	40085	23481	30082	6474	25765	23818	32227	27589	16267	30257
Monona	21511	22891	-3070	18574	1068	20549	2469	11229	16031	14230	15534
Monroe	5512	3107	-2927	2497	-2953	1075	-603	1479	2428	-1464	2383
Montgomery	25502	23728	851	16494	4037	18131	13810	12898	15359	9037	12145
Muscatine	19811	17021	6157	17994	2097	12550	4118	11519	13375	5373	9879
O'Brien	55230	55663	31276	36986	10057	35978	37677	41408	44508	47253	44110
Osceola	29289	33373	20468	24157	2403	17207	20767	19464	18998	18550	17556
Page	29469	28394	-977	16135	4180	22149	18062	18893	20228	10696	21301
Palo Alto	35331	42244	18977	29362	-3889	28651	7714	26818	23953	23491	28904
Plymouth	47566	60802	26418	36112	20428	42394	38312	38703	48594	28893	50990
Pocahontas	34957	42084	19096	30960	-1588	26164	8997	13421	25529	20687	20915
Polk	21408	22792	16139	18869	2963	15968	7310	10763	16972	5944	15931
Pottawattamie	34037	37258	9390	34763	8733	39622	30022	25715	16019	13757	28556
Poweshiek	28765	19482	8550	21318	6732	18976	13600	19013	19355	8329	23181
Ringgold	8089	5356	-4361	8636	-1902	6370	4326	5417	10452	3900	10505
Sac	34868	45262	15262	28107	6769	25135	19159	25156	30121	30849	33535
Scott	29710	29892	13471	19089	7142	22032	16282	22071	23276	10523	18674
Shelby	34519	33665	11310	27014	8171	26682	23369	25627	25291	16656	27206
Sioux	83832	93243	53484	58720	43791	73795	65607	72803	79525	57158	76525
Story	36936	42104	27307	29851	4305	27651	17030	19063	29094	10221	29613
Tama	31903	28875	15637	25193	6410	21777	14146	21676	17100	14227	26458
Taylor	20397	13884	-199	12825	1075	10238	6978	6196	8730	3259	13281
Union	9471	6900	-1475	8930	-800	6257	5831	6065	6025	2009	6916
Van Buren	13613	11097	-1439	8482	1955	8113	5507	7428	5163	2745	7966
Wapello	17823	14097	728	12940	2703	10245	6045	7039	7531	2688	6328
Warren	12058	5467	-3715	11399	-5034	8490	2155	6338	7526	3861	11330
Washington	43306	38032	18002	22717	12348	22084	21216	25446	26357	16044	34470
Wayne	11608	8773	-1371	10895	-1553	3271	1967	3089	5631	2362	10339
Webster	32510	45378	34651	45160	3475	35205	20102	20160	41800	15445	26725
Winnebago	27627	25149	13359	22336	-4029	15831	5275	18775	15408	18686	21668
Winneshiek	37139	34180	12493	30782	16175	30533	26030	39648	34956	15466	33179
Woodbury	21961	29653	-223	17796	1203	25180	8861	19575	26914	13281	32074
Worth	35255	30574	23016	24827	2167	16797	11743	20778	17265	13664	18565
Wright	38499	45545	28845	29255	-3120	25736	7084	21087	32259	23808	23161
State of Iowa	2931250	3041017	1189502	2294492	479742	2134845	1450953	2004778	2108648	1348047	2328942

Table 6. Adjusted Farm Earnings (1997 dollars in \$1,000s) and Percentage of Total Personal Income from Farm Earnings in Iowa's Counties, 1987, 1992, 1996, and 1997.

County	Adjusted Farm Earnings (1997 \$s in \$1,000s)				% of Total Personal Income from Farm Earnings			
	1997	1996	1992	1987	1997	1996	1992	1987
Adair	14973	14090	16877	20607	9.1	8.8	10.8	13.3
Adams	13910	14577	12700	16201	15.4	16.5	15.3	17.4
Allamakee	20169	19903	24097	29024	7.7	7.9	9.9	11.7
Appanoose	5173	4563	2487	6092	2.2	2.0	1.1	2.8
Audubon	25274	27260	22777	31676	17.5	19.0	16.5	21.7
Benton	50887	52537	31076	43050	9.4	10.1	7.1	9.9
Black Hawk	34342	39707	31765	38878	1.3	1.5	1.3	1.7
Boone	28279	36194	27136	36206	4.8	6.2	5.0	6.8
Bremer	31566	33093	25960	20041	6.0	6.6	5.6	4.8
Buchanan	31964	37933	30221	42587	7.6	9.2	7.9	11.4
Buena Vista	52792	56361	40480	44848	12.1	13.2	10.3	11.5
Butler	43036	52065	36217	37052	13.4	16.1	12.0	12.5
Calhoun	30454	44285	29708	40503	12.6	17.6	13.2	17.7
Carroll	49616	53506	49962	67040	9.9	10.9	10.9	14.6
Cass	14655	15888	22607	25580	4.8	5.4	7.7	8.6
Cedar	31315	32591	20307	35148	7.8	8.3	5.7	9.8
Cerro Gordo	38090	39658	26093	40738	3.6	3.8	2.7	4.2
Cherokee	38834	40685	33138	42447	13.3	14.1	12.2	15.0
Chickasaw	31343	28368	24826	31124	11.3	10.6	10.1	11.7
Clarke	5194	-871	3472	9726	3.6	-0.7	2.6	6.9
Clay	34833	43219	25955	36257	8.6	10.7	7.4	10.2
Clayton	41295	42145	45109	61634	10.9	11.5	13.2	17.7
Clinton	33894	40118	32727	41429	3.1	3.7	3.2	4.2
Crawford	25409	26075	22703	30904	7.4	7.7	7.1	9.8
Dallas	30183	46707	23190	24541	3.4	5.5	3.3	3.9
Davis	10268	6737	7402	9183	6.6	4.5	5.2	7.0
Decatur	5330	6257	9053	8264	4.4	5.4	7.5	6.5
Delaware	47802	50264	34348	77095	13.0	14.1	10.8	22.2
Des Moines	23047	18391	13792	16801	2.4	2.0	1.5	1.9
Dickinson	16620	24139	12668	26012	4.1	6.0	3.7	8.2
Dubuque	42352	43840	34313	60818	2.1	2.2	1.9	3.5
Emmet	27862	28374	19107	24958	11.7	12.4	8.7	11.5
Fayette	52784	51937	44158	55008	12.7	12.8	11.8	14.1
Floyd	36956	37458	27299	37992	10.5	10.8	8.3	11.3
Franklin	31007	45804	30449	48775	13.3	19.1	13.9	20.6
Fremont	25364	31885	20813	19540	16.1	19.7	14.1	12.4
Greene	33606	46276	34758	36077	15.3	20.1	16.6	16.7
Grundy	39370	34363	35682	39662	13.2	12.3	13.1	14.9
Guthrie	25466	30828	20594	28780	10.8	13.1	9.7	13.4
Hamilton	39059	52544	32057	40427	10.4	13.8	9.5	11.6
Hancock	31474	39653	24770	33091	12.9	15.9	11.0	13.8
Hardin	44758	56438	40410	43426	10.7	13.3	10.4	10.8
Harrison	27423	36041	22970	21250	9.4	12.2	8.7	8.3
Henry	30273	26147	15907	15818	7.0	6.3	4.2	4.4
Howard	31156	29059	15897	28049	14.9	14.6	9.0	15.2
Humboldt	29046	42121	24757	28246	12.2	17.3	11.4	13.0
Ida	20216	23322	22458	27690	12.0	14.0	14.2	16.8
Iowa	28199	24823	24521	33204	7.4	7.1	7.3	10.8
Jackson	9534	9028	6998	29538	2.5	2.5	2.0	8.1
Jasper	39944	32485	35035	49424	4.7	4.0	4.7	6.6

Table 6. Adjusted Farm Earnings (1997 dollars in \$1,000s) and Percentage of Total Personal Income from Farm Earnings in Iowa's Counties, 1987, 1992, 1996, and 1997 (continued).

County	Adjusted Farm Earnings (1997 \$s in \$1,000s)				% of Total Personal Income from Farm Earnings			
	1997	1996	1992	1987	1997	1996	1992	1987
Jefferson	20129	13824	14268	17529	5.4	4.0	4.6	5.7
Johnson	27541	25319	21089	30576	1.1	1.0	1.0	1.6
Jones	30675	31145	21930	30563	8.5	8.9	6.7	9.3
Keokuk	33351	26227	22603	42992	14.2	11.9	10.8	17.7
Kossuth	55065	59223	45565	76523	14.9	16.2	13.2	19.9
Lee	27423	20537	17078	17311	3.4	2.6	2.3	2.3
Linn	30652	29217	20342	20232	0.6	0.6	0.5	0.5
Louisa	16254	13869	14535	17314	7.4	6.4	6.8	8.0
Lucas	4329	2066	2831	6339	2.6	1.3	1.7	3.7
Lyon	45887	55485	38269	50520	19.2	23.0	18.1	23.2
Madison	14173	13825	9020	13217	4.8	4.9	3.7	5.7
Mahaska	38505	28041	27745	47448	8.4	6.6	6.9	11.4
Marion	20900	10463	13365	27672	2.9	1.6	2.2	4.5
Marshall	37515	36423	30871	43771	4.2	4.3	3.7	5.4
Mills	14364	14975	11920	21204	4.1	4.7	4.0	7.2
Mitchell	38579	40976	29384	42387	14.7	15.9	12.7	17.3
Monona	21511	23400	23435	21762	10.5	11.7	12.6	12.2
Monroe	5512	3176	1226	3338	3.4	2.0	0.8	2.3
Montgomery	25502	24255	20678	17014	9.5	9.3	8.5	7.2
Muscatine	19811	17399	14313	13839	2.0	1.8	1.6	1.6
O'Brien	55230	56900	41032	61794	16.1	17.0	13.4	19.1
Osceola	29289	34114	19624	24594	19.8	22.6	14.9	18.4
Page	29469	29025	25260	29840	8.0	8.2	7.6	9.2
Palo Alto	35331	43183	32675	40491	16.2	19.6	16.4	19.0
Plymouth	47566	62153	48349	71432	9.2	12.0	10.1	15.2
Pocahontas	34957	43019	29839	29300	18.2	22.0	16.2	15.3
Polk	21408	23298	18211	22318	0.2	0.2	0.2	0.3
Pottawattamie	34037	38086	45187	40004	1.9	2.2	2.8	2.5
Poweshiek	28765	19915	21641	32474	6.7	4.9	5.6	8.4
Ringgold	8089	5475	7265	14716	8.5	6.1	8.3	15.5
Sac	34868	46268	28666	46979	14.4	18.7	13.0	19.7
Scott	29710	30556	25127	26160	0.8	0.8	0.7	0.8
Shelby	34519	34413	30430	38113	12.3	12.6	12.0	14.8
Sioux	83832	95315	84160	107204	12.8	14.8	14.5	19.5
Story	36936	43039	31535	41485	2.1	2.6	2.1	3.0
Tama	31903	29517	24836	37065	8.8	8.4	7.5	10.4
Taylor	20397	14192	11676	18605	16.7	12.6	10.7	15.4
Union	9471	7053	7136	9689	3.8	3.0	3.2	4.2
Van Buren	13613	11344	9253	11160	9.3	8.4	7.3	9.0
Wapello	17823	14410	11684	8865	2.5	2.1	1.8	1.4
Warren	12058	5588	9683	15872	1.4	0.7	1.3	2.4
Washington	43306	38877	25186	48289	9.4	8.8	6.3	12.0
Wayne	11608	8968	3730	14484	10.0	8.0	3.5	11.3
Webster	32510	46386	40150	37439	3.8	5.4	5.0	4.9
Winnebago	27627	25708	18055	30355	10.4	9.9	7.4	11.3
Winneshiek	37139	34939	34822	46480	8.5	8.3	8.8	12.2
Woodbury	21961	30312	28717	44932	0.9	1.3	1.4	2.3
Worth	35255	31253	19156	26008	20.3	18.9	12.8	16.1
Wright	38499	46557	29351	32446	12.3	14.7	10.5	11.0
State of Iowa	2931250	3108580	2434709	3262604	4.4	4.8	4.1	5.8

Table 7. Dividends, Interest, and Rent (in \$1,000s) in Iowa's Counties, 1987-1997.

County	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987
Adair	38035	35897	35404	33266	33320	34114	33823	37331	34038	31942	30956
Adams	16478	15545	14256	13180	13840	14115	15038	15226	14682	14521	15490
Allamakee	55230	52055	47963	45718	46559	46963	45968	47324	43688	41515	42387
Appanoose	46749	43991	40537	38686	35160	36366	37600	38229	36792	35016	35347
Audubon	32506	30702	28841	27697	26819	28047	29734	29935	29015	27318	27297
Benton	86794	81858	74476	72332	72573	68223	71556	71251	67830	67439	67225
Black Hawk	460606	434191	401944	380212	365201	359508	366407	373570	356371	319839	313773
Boone	100331	94438	89611	82884	82361	81282	82194	83515	79488	72506	72843
Bremer	98618	92977	84141	82586	82081	81326	79379	82016	78603	72579	73342
Buchanan	82296	77606	70159	71065	70949	68565	71635	70031	66352	60493	58872
Buena Vista	88216	83231	74860	71922	73074	72855	76353	77607	73669	65430	66974
Butler	60370	56974	50970	49391	49507	52417	52814	54874	52468	49745	51758
Calhoun	64633	61041	56979	53469	53028	49802	45243	46022	43986	41308	43158
Carroll	112391	105978	95762	95046	92410	97441	94496	92978	87870	83235	83232
Cass	75015	70687	65775	64597	68026	64010	67202	67463	64796	59020	61406
Cedar	93538	88130	76866	77442	73610	73161	72806	71312	67013	64434	64468
Cerro Gordo	202822	191145	176054	163850	162099	162724	168011	171273	158612	144848	153209
Cherokee	60642	57243	51232	49704	49272	51347	52583	54387	49786	47628	47435
Chickasaw	53441	50414	44953	42757	41541	42540	42574	44047	43268	41702	43240
Clarke	23051	21743	20255	19757	19860	21481	22531	23848	21941	21874	22673
Clay	75555	71340	65502	63423	61300	62321	61551	63588	61364	58812	56977
Clayton	82157	77495	71686	71231	69494	66273	64782	65463	63439	60219	61618
Clinton	176766	166568	156095	151051	149036	152052	152064	154639	146039	139571	141938
Crawford	82922	78281	76140	76947	75835	72017	67218	63876	53749	49392	52035
Dallas	129368	121859	112033	107146	103380	97118	95387	95526	89111	80108	80438
Davis	34557	32706	30915	29499	31716	29234	26950	26276	21482	20179	21182
Decatur	20488	19307	17794	17333	17115	18038	19144	20121	19458	18180	18356
Delaware	74535	70320	62759	62177	60479	59408	59658	60257	57026	54427	55549
Des Moines	166868	157136	141184	139417	136154	133038	133139	136082	129323	119552	119303
Dickinson	100793	94861	84537	81144	77677	77372	75814	77441	74379	67874	65031
Dubuque	418591	394477	353031	330842	327019	321022	314090	316424	292424	274820	263577
Emmet	40047	37797	35078	34427	38000	38245	38387	38873	35393	33532	36695
Fayette	79874	75365	67747	67874	66261	66811	68924	69729	67413	63247	64729
Floyd	81521	76844	71398	66980	65477	65823	67012	67115	65484	57692	58773
Franklin	49298	46486	44092	41535	41585	43859	44507	45387	42245	38525	42311
Fremont	30379	28662	27599	26917	26808	27656	28752	29572	28759	25999	27531
Greene	52034	49076	44627	44456	43674	44359	44488	43742	42675	40310	44138
Grundy	63005	59468	53897	49455	49591	53579	50588	51867	48794	45949	47722
Guthrie	43305	40852	38271	37040	36392	37419	38506	39324	36223	33847	35594
Hamilton	74121	69977	65662	60856	57927	60138	62092	62063	59209	54756	59071
Hancock	54576	51496	45990	43780	44629	45564	47587	50213	46594	43835	45893
Hardin	93724	88391	81015	75806	73547	75280	79059	80461	78726	76931	76081
Harrison	41991	39628	38389	39154	38561	39395	41904	42500	42349	40144	39814
Henry	70716	66606	59564	59048	58674	58723	60349	61069	57698	55258	55918
Howard	43831	41379	39221	36865	36820	39348	39017	39430	37058	36345	36763
Humboldt	48956	46163	42847	42421	44990	44842	44820	46048	44428	40187	41913
Ida	35327	33349	30970	29507	27774	29056	30607	31806	29912	28749	30065
Iowa	67356	63498	58809	59400	63247	63413	58605	55303	51186	52950	52723
Jackson	79739	75227	69601	66538	71636	65923	67734	64858	63717	60963	63253
Jasper	147702	139151	128072	127910	121267	123908	123579	122199	115403	113191	112728

Table 7. Dividends, Interest, and Rent (in \$1,000s) in Iowa's Counties, 1987-1997 (continued).

County	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987
Jefferson	71831	67594	63684	60220	55660	55176	53826	57297	52748	45286	46853
Johnson	429456	404850	367872	374550	360570	318443	299276	296691	273596	237050	224485
Jones	72117	68010	63741	62050	61721	62047	63120	68417	65919	61493	59744
Keokuk	48861	46120	45263	42600	43376	44784	46084	46766	45270	42900	45827
Kossuth	81706	77128	72149	70862	69369	67770	71445	75071	71272	65702	67933
Lee	148160	139465	125260	126462	119458	119465	129809	121944	117883	109280	108016
Linn	793305	747085	687055	658194	628792	606290	612225	605043	581381	514323	492973
Louisa	31692	29902	28164	27373	26537	28461	29857	30210	29571	28685	31034
Lucas	39954	37630	34996	32890	29246	29335	28936	30030	29528	29076	27720
Lyon	45855	43315	40902	37878	38342	39200	40134	41433	40928	36902	35442
Madison	41888	39494	36468	35276	35052	35547	36609	36745	34219	33654	33774
Mahaska	80815	76144	72741	68697	70146	66159	68815	69253	65174	64035	65160
Marion	127679	120130	117512	112444	106323	103896	102472	104080	95380	89163	91929
Marshall	156302	147292	139852	135662	136797	136702	137074	141846	140275	121378	118571
Mills	39831	37566	33948	32222	31138	31147	31373	32297	30672	29861	30434
Mitchell	59940	56586	51729	49382	48148	49930	48684	49622	47547	45558	47652
Monona	37570	35441	31802	29576	31124	30593	32264	33541	33574	31396	30208
Monroe	27998	26349	24359	22981	23959	24955	25040	24603	22588	21690	20461
Montgomery	51117	48067	43313	43066	43320	44466	46576	46471	46153	41901	41325
Muscatine	234496	220268	205294	201512	188249	173959	165251	161125	142152	141533	135011
O'Brien	70764	66811	62221	60268	59637	60195	61079	62582	57894	54499	56100
Osceola	31675	29913	28110	26497	25726	27071	27109	28409	26741	25453	25745
Page	73149	68944	65232	64147	63844	62970	65969	67318	64125	58117	58556
Palo Alto	40858	38573	34916	34403	38006	36954	39215	40575	37504	35918	36977
Plymouth	109590	103356	93424	87115	91721	92026	91628	92777	87039	79708	78427
Pocahontas	38245	36151	32949	32619	34286	35600	36650	37286	35986	34820	38029
Polk	1555964	1465599	1379021	1302776	1210399	1183215	1194039	1164725	1082236	977270	899363
Pottawattamie	253711	238968	217288	204873	197542	196245	187260	180594	172891	176698	176526
Poweshiek	88920	83751	73927	71876	68295	68699	69706	69600	66254	61785	61348
Ringgold	19793	18677	16920	17144	18126	16746	17601	17585	16639	16337	17260
Sac	56899	53675	49199	46867	48179	47994	50792	51889	49898	45970	46571
Scott	630584	593941	544766	521467	525570	484594	487976	491936	444175	417095	398062
Shelby	63458	59900	56363	52892	52316	52923	55098	57547	54565	51873	50477
Sioux	133383	125895	115162	111132	105091	104889	104963	94955	89601	89600	87195
Story	325542	306595	275152	243298	232483	230678	220169	207131	196667	191668	188348
Tama	72092	67975	63079	62103	60878	61856	64302	65531	63882	62269	63612
Taylor	22886	21619	20129	19506	20110	21628	22567	23340	21957	21747	23128
Union	47387	44604	40777	40106	38565	38663	41583	43472	40033	39817	38883
Van Buren	23909	22519	21206	20298	20488	21115	21938	20956	20074	19346	19600
Wapello	112778	106305	94824	89585	85965	88655	96258	94839	88960	82003	83583
Warren	105947	99710	92182	92876	84928	83049	83906	81184	75496	70827	68966
Washington	97431	91846	86924	81832	78312	79643	77386	78395	73571	67397	73633
Wayne	24201	22810	21329	19775	21912	21692	24339	24995	24124	22774	23980
Webster	162872	153569	144001	140074	137872	141145	144791	134815	126239	125794	128350
Winnebago	47703	45034	42287	40750	48308	47205	46997	48115	47329	44678	45011
Winneshiek	85759	80820	73650	71838	70618	69764	68469	69356	66131	62347	63486
Woodbury	383464	361241	328861	310414	320771	323752	294063	275407	261911	262414	255215
Worth	33204	31312	28810	26988	26275	27587	28634	29625	27142	26140	27323
Wright	67934	64125	56823	54310	56618	57649	59078	59105	60963	54062	59481
State of Iowa	11812539	11132285	10261199	9847466	9617523	9470048	9486696	9460020	8917185	8317228	8230591

Table 8. Adjusted Dividends, Interest, and Rent (1997 dollars in \$1,000s) and Percentage of Total Personal Income from Dividends, Interest, and Rent in Iowa's Counties, 1987, 1992, 1996, and 1997.

County	Adjusted Dividends, Interest, and Rent (1997 \$s in \$1,000s)				% of Total Personal Income from Dividends, Interest, and Rent			
	1997	1996	1992	1987	1997	1996	1992	1987
Adair	38035	36695	38906	43366	23.2	23.0	24.8	27.9
Adams	16478	15890	16098	21700	18.3	18.0	19.4	23.3
Allamakee	55230	53212	53560	59380	21.1	21.0	21.9	24.0
Appanoose	46749	44968	41474	49517	19.8	19.5	18.8	22.7
Audubon	32506	31384	31987	38240	22.4	21.9	23.2	26.2
Benton	86794	83677	77806	94175	16.1	16.2	17.8	21.7
Black Hawk	460606	443838	410005	439563	16.9	16.8	16.4	18.7
Boone	100331	96536	92699	102045	16.9	16.4	17.1	19.3
Bremer	98618	95043	92749	102744	18.8	18.9	20.0	24.4
Buchanan	82296	79330	78196	82474	19.4	19.2	20.6	22.0
Buena Vista	88216	85080	83088	93824	20.3	19.9	21.2	24.0
Butler	60370	58240	59780	72508	18.9	18.0	19.8	24.5
Calhoun	64633	62397	56797	60460	26.7	24.8	25.2	26.5
Carroll	112391	108333	111128	116599	22.3	22.1	24.2	25.5
Cass	75015	72257	73001	86023	24.8	24.6	25.0	28.9
Cedar	93538	90088	83437	90313	23.4	23.1	23.5	25.3
Cerro Gordo	202822	195392	185580	214630	19.0	18.7	19.2	22.1
Cherokee	60642	58515	58559	66451	20.7	20.3	21.6	23.6
Chickasaw	53441	51534	48515	60575	19.2	19.3	19.7	22.8
Clarke	23051	22226	24498	31763	16.0	16.9	18.4	22.7
Clay	75555	72925	71075	79819	18.6	18.1	20.2	22.4
Clayton	82157	79217	75582	86320	21.7	21.6	22.2	24.8
Clinton	176766	170269	173409	198840	16.3	15.9	17.0	20.1
Crawford	82922	80020	82133	72896	24.2	23.8	25.9	23.1
Dallas	129368	124566	110759	112685	14.7	14.6	15.8	18.0
Davis	34557	33433	33340	29674	22.3	22.4	23.4	22.6
Decatur	20488	19736	20572	25715	16.9	16.9	17.1	20.1
Delaware	74535	71882	67753	77818	20.3	20.1	21.2	22.5
Des Moines	166868	160627	151725	167131	17.4	17.2	17.0	19.0
Dickinson	100793	96969	88240	91102	24.6	24.1	25.5	28.8
Dubuque	418591	403241	366113	369244	20.8	20.4	20.2	21.2
Emmet	40047	38637	43617	51406	16.9	16.9	19.9	23.6
Fayette	79874	77039	76195	90679	19.2	18.9	20.4	23.2
Floyd	81521	78551	75069	82335	23.1	22.7	22.8	24.5
Franklin	49298	47519	50020	59273	21.2	19.8	22.8	25.1
Fremont	30379	29299	31541	38568	19.3	18.1	21.4	24.4
Greene	52034	50166	50590	61833	23.7	21.8	24.1	28.6
Grundy	63005	60789	61105	66854	21.2	21.8	22.3	25.2
Guthrie	43305	41760	42675	49863	18.3	17.8	20.0	23.3
Hamilton	74121	71532	68585	82752	19.7	18.9	20.3	23.7
Hancock	54576	52640	51964	64291	22.3	21.2	23.2	26.9
Hardin	93724	90355	85854	106582	22.4	21.3	22.1	26.5
Harrison	41991	40508	44928	55775	14.3	13.7	16.9	21.7
Henry	70716	68086	66971	78335	16.5	16.5	17.6	21.9
Howard	43831	42298	44875	51501	20.9	21.3	25.5	27.9
Humboldt	48956	47189	51141	58716	20.5	19.4	23.5	27.0
Ida	35327	34090	33137	42118	21.0	20.4	21.0	25.5
Iowa	67356	64909	72320	73859	17.6	18.6	21.6	24.1
Jackson	79739	76898	75183	88611	21.3	21.1	21.6	24.2
Jasper	147702	142243	141312	157920	17.4	17.5	19.1	21.1

Table 8. Adjusted Dividends, Interest, and Rent (1997 dollars in \$1,000s) and Percentage of Total Personal Income from Dividends, Interest, and Rent in Iowa's Counties, 1987, 1992, 1996, and 1997 (cont.).

County	Adjusted Dividends, Interest, and Rent (1997 \$s in \$1,000s)				% of Total Personal Income from Dividends, Interest, and Rent			
	1997	1996	1992	1987	1997	1996	1992	1987
Jefferson	71831	69096	62926	65636	19.4	20.0	20.2	21.4
Johnson	429456	413845	363172	314480	17.1	17.0	16.7	16.9
Jones	72117	69521	70762	83695	20.0	19.8	21.5	25.6
Keokuk	48861	47145	51074	64199	20.8	21.5	24.3	26.4
Kossuth	81706	78842	77289	95167	22.0	21.6	22.4	24.7
Lee	148160	142564	136245	151319	18.4	18.0	18.2	20.3
Linn	793305	763683	691451	690604	16.4	16.5	16.8	18.3
Louisa	31692	30566	32459	43475	14.4	14.0	15.2	20.0
Lucas	39954	38466	33455	38833	23.6	23.8	20.3	22.4
Lyon	45855	44277	44706	49651	19.1	18.4	21.1	22.8
Madison	41888	40371	40540	47314	14.2	14.2	16.8	20.3
Mahaska	80815	77836	75452	91282	17.7	18.3	18.7	21.9
Marion	127679	122799	118489	128783	18.0	18.2	19.3	21.0
Marshall	156302	150564	155903	166106	17.7	17.7	18.9	20.4
Mills	39831	38401	35522	42635	11.5	11.9	11.8	14.4
Mitchell	59940	57843	56943	66755	22.8	22.4	24.5	27.3
Monona	37570	36228	34890	42318	18.4	18.2	18.7	23.7
Monroe	27998	26934	28460	28664	17.4	17.3	18.8	19.3
Montgomery	51117	49135	50712	57892	19.0	18.8	20.8	24.5
Muscatine	234496	225162	198394	189136	23.2	22.7	21.9	22.3
O'Brien	70764	68295	68650	78590	20.6	20.4	22.4	24.3
Osceola	31675	30578	30873	36066	21.4	20.2	23.5	27.0
Page	73149	70476	71815	82031	20.0	19.8	21.5	25.3
Palo Alto	40858	39430	42145	51801	18.8	17.9	21.2	24.3
Plymouth	109590	105652	104952	109868	21.2	20.4	21.9	23.4
Pocahontas	38245	36954	40600	53275	19.9	18.9	22.1	27.8
Polk	1555964	1498161	1349411	1259914	15.5	15.4	15.4	16.7
Pottawattamie	253711	244277	223810	247294	14.1	13.9	14.0	15.5
Poweshiek	88920	85612	78349	85942	20.6	20.9	20.2	22.1
Ringgold	19793	19092	19098	24179	20.8	21.3	21.8	25.4
Sac	56899	54868	54735	65241	23.5	22.2	24.9	27.4
Scott	630584	607137	552661	557643	16.7	16.7	16.2	17.2
Shelby	63458	61231	60357	70713	22.6	22.4	23.9	27.4
Sioux	133383	128692	119622	122151	20.3	20.0	20.7	22.2
Story	325542	313407	263079	263856	18.8	18.7	17.6	19.1
Tama	72092	69485	70544	89114	19.8	19.7	21.4	25.1
Taylor	22886	22099	24666	32400	18.8	19.6	22.6	26.8
Union	47387	45595	44094	54471	19.2	19.4	19.7	23.9
Van Buren	23909	23019	24081	27458	16.3	17.1	19.0	22.2
Wapello	112778	108667	101108	117091	16.0	15.5	15.3	18.2
Warren	105947	101925	94714	96614	12.1	12.2	12.6	14.4
Washington	97431	93887	90830	103152	21.2	21.2	22.6	25.7
Wayne	24201	23317	24739	33593	20.9	20.7	23.1	26.2
Webster	162872	156981	160970	179805	19.0	18.3	20.0	23.3
Winnebago	47703	46035	53835	63056	17.9	17.7	22.0	23.4
Winneshiek	85759	82616	79563	88937	19.6	19.6	20.1	23.4
Woodbury	383464	369267	369227	357530	16.2	15.7	17.4	18.0
Worth	33204	32008	31462	38277	19.2	19.3	21.1	23.7
Wright	67934	65550	65746	83327	21.7	20.6	23.4	28.2
State of Iowa	11812539	11379615	10800227	11530198	17.9	17.7	18.4	20.5

Table 9. Transfer Payments (in \$1,000s) in Iowa's Counties, 1987-1997.

County	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987
Adair	30657	29722	27700	27237	26712	24121	22120	20829	19059	18238	17828
Adams	19725	19091	17979	17315	16062	15060	14237	13409	12773	12607	12479
Allamakee	50806	48065	45894	43605	43384	40379	36601	34867	32555	30232	28929
Appanoose	61784	62341	58169	55577	55352	51363	47907	44580	42379	40719	39993
Audubon	26850	25836	25081	24054	24324	22726	21287	19672	18756	16711	16318
Benton	78019	74752	70990	68222	63095	61671	56821	51355	47803	45111	43898
Black Hawk	462548	455859	441694	422314	401896	376017	349757	323829	302571	285428	274564
Boone	127956	121737	117500	129039	121567	112652	108306	99775	91781	89610	82678
Bremer	76640	74332	70298	67366	69759	59575	55051	49991	47375	44859	43971
Buchanan	68074	66857	65028	62829	60813	56839	53198	47965	46247	43822	43494
Buena Vista	77563	74548	70277	68401	64729	61378	57323	52575	50071	47230	44777
Butler	57441	58502	57312	55344	53202	50343	46167	42012	39043	36409	35425
Calhoun	48048	46246	44153	43720	42190	39060	36396	34823	31454	29786	28760
Carroll	81922	78048	73935	70710	67673	64233	59554	54066	50975	46681	44463
Cass	65462	64158	61500	58425	55280	52168	47063	43380	39983	36909	36049
Cedar	53684	53516	50169	47838	46906	44645	41155	37650	35161	32784	31792
Cerro Gordo	187469	183180	174637	169838	165373	155461	142765	132648	120083	113489	107687
Cherokee	55725	52926	52303	48382	46566	43605	40513	38320	36093	33667	33041
Chickasaw	45030	43425	41447	40293	39659	36180	33776	30979	29302	28164	27201
Clarke	33620	32727	30744	28856	29193	26399	24511	21530	20139	18945	18325
Clay	62939	62461	59354	56437	52962	49458	46985	43497	41109	38108	36572
Clayton	71025	68497	65060	60290	58675	56056	52863	48236	44713	42413	40077
Clinton	200729	199152	190080	180369	172639	162797	154229	142020	131689	121822	115940
Crawford	63194	61983	59768	57449	54570	50032	46667	42013	39287	36109	34210
Dallas	107630	104340	99164	94804	91614	85456	77441	70680	67200	62896	60416
Davis	30939	30502	29002	28016	27323	25386	23521	21846	20629	19456	18973
Decatur	33576	32390	31254	30374	29492	28360	25756	23687	21789	21040	20537
Delaware	54240	52452	49216	46329	45463	43073	39835	36430	33902	31587	30428
Des Moines	168677	165180	158299	149167	145247	138845	128544	120544	110022	103114	98077
Dickinson	67624	62390	59324	57533	56801	51615	48619	42675	39787	37479	35745
Dubuque	300249	291188	273079	258935	253710	234046	216647	199794	187201	175545	168046
Emmet	48768	47730	47503	43725	42596	40352	36910	33762	32393	29353	28320
Fayette	82055	81547	77680	73570	69485	65314	61082	56431	53249	49620	48606
Floyd	71667	66787	65953	64468	60842	57584	53482	49144	44943	42789	40821
Franklin	44771	39775	38238	37074	36682	35654	32561	29383	27370	26228	25282
Fremont	33032	32947	31830	30286	28109	26634	24665	22492	22146	21316	20634
Greene	43205	43007	42249	39746	37498	35439	33433	30852	28526	27077	25384
Grundy	40575	39155	37246	34184	33767	32827	30801	28512	27506	26373	25713
Guthrie	46075	44463	42804	40605	40763	37749	35383	32711	30763	28663	28144
Hamilton	60288	57004	56708	54826	53704	51212	46062	42759	39278	37416	36157
Hancock	44386	43543	42153	40755	39768	37247	33890	31153	27835	25666	24748
Hardin	77849	76826	73881	70492	69261	66228	61754	55966	52250	49184	48356
Harrison	62337	60742	59869	54717	53758	50729	47200	41775	40225	37223	36037
Henry	65640	63090	60517	58063	56570	52868	51055	47082	43811	40755	38219
Howard	34050	33047	32432	32327	31493	30079	27564	25195	23433	21511	20600
Humboldt	43257	42735	40800	40792	39931	36845	34549	31440	28737	26502	25565
Ida	27675	26488	24770	23654	23735	22129	20465	18940	17986	18189	17608
Iowa	49076	46941	45182	41607	41452	39518	35642	33944	31082	29710	28596
Jackson	77244	74567	69572	66559	67872	60895	55049	49780	46805	45122	43027
Jasper	133455	128566	121300	114629	110679	103693	95099	86946	79669	75543	72161

Table 9. Transfer Payments (in \$1,000s) in Iowa's Counties, 1987-1997 (continued).

County	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987
Jefferson	54578	53253	51009	47295	44457	42126	39620	37090	34068	32620	31370
Johnson	230081	218382	206435	193210	183683	167002	154485	140601	130462	120370	112012
Jones	58591	56319	54482	50002	49823	46312	42854	40494	38356	35810	35004
Keokuk	47004	46694	44575	42470	41028	39773	36737	34153	32278	30596	29600
Kossuth	65213	61830	60141	58641	57072	52946	49586	46245	43002	40515	39086
Lee	152096	150067	144604	137973	134885	127341	117404	105850	102204	95908	91972
Linn	581703	559683	533334	501506	477656	448788	416430	384493	352309	328010	309779
Louisa	37504	35856	33654	31472	32677	29795	28385	26115	24633	23096	21964
Lucas	38042	37013	35323	33797	32222	31034	29716	27398	25855	25377	24579
Lyon	40309	38265	34875	33153	31723	29897	29336	26855	24643	23063	21902
Madison	45910	45353	42781	39633	38624	35461	32654	30280	27991	27009	26280
Mahaska	79267	76864	73965	72247	69997	66509	63288	58285	53897	50496	48481
Marion	114269	110024	105162	99240	94881	90005	83700	76585	70808	67229	64709
Marshall	161558	149211	143169	133643	126897	118657	111123	101639	94967	89513	87056
Mills	100471	87012	84375	87007	85756	83954	78770	73364	66617	65173	57949
Mitchell	44944	43227	39490	38395	37331	34621	31473	28729	27465	25577	25162
Monona	50251	47451	45711	44466	44743	41095	37999	34582	31559	29621	28778
Monroe	36179	34941	34290	33013	31467	29766	28277	25860	24525	23917	23057
Montgomery	57201	56736	54180	50171	49077	44319	41103	37964	35521	33286	32504
Muscatine	134217	130784	124275	117287	112363	105886	98776	90815	84934	79012	74881
O'Brien	62526	58920	56071	53813	50571	48794	44323	40894	38002	35632	34686
Osceola	23959	23354	22667	22392	21905	20689	19363	17708	17360	15881	15015
Page	71827	69565	66450	62830	60223	58178	55273	51072	47815	45259	43737
Palo Alto	43874	42871	40905	40063	38602	35427	33490	30522	28685	26872	25666
Plymouth	76020	73549	71633	69267	66527	61474	56811	51640	48789	45715	44278
Pocahontas	38999	37928	36909	35586	34252	32106	29637	27424	25298	23923	23214
Polk	1185233	1154330	1094942	1032172	993608	927072	859036	782855	719738	676954	641592
Pottawattamie	321350	314103	304527	288355	275445	261207	240867	223652	207203	192805	183135
Poweshiek	66401	63868	60685	57390	54358	51314	46709	42972	40927	37937	36563
Ringgold	24829	23830	22458	21603	20526	19947	18584	16900	14989	14555	14072
Sac	49173	49756	47245	45450	43700	41182	39367	35968	34226	31815	29235
Scott	549415	538634	526526	495940	484237	441918	407816	380142	350849	328230	305108
Shelby	54328	51790	49055	46804	44196	39528	35765	32588	31003	29198	28410
Sioux	86950	83521	79871	76638	74691	70087	64037	58672	55353	51430	50702
Story	203210	193763	186213	173533	167232	154136	146534	133849	123390	115208	110810
Tama	63787	62323	60173	58512	56260	53366	50769	46204	42872	40465	39245
Taylor	27791	27075	25617	25160	25216	23848	23173	21300	19814	19040	18562
Union	53870	52468	50622	45988	45707	42454	39929	37448	34955	33229	32716
Van Buren	31182	30322	29509	28315	26986	25461	24146	22142	21426	19822	18429
Wapello	161017	160322	152295	142886	139245	134990	122942	112363	106961	102901	100218
Warren	117228	111303	106787	96304	92567	84418	77048	69133	64546	60448	56876
Washington	72697	69763	66308	62571	61873	58293	55217	50996	46964	42824	40626
Wayne	30712	31153	29581	28712	27919	26251	24255	22519	21407	20099	20150
Webster	174586	170976	165941	156446	152977	141703	132770	121447	113128	105093	100187
Winnebago	44533	42989	41807	40700	39483	36124	35553	32334	30338	28215	26644
Winneshiek	66715	63302	60576	58196	56692	51367	47435	43677	41359	38665	36972
Woodbury	371249	365962	352674	336041	327970	315843	297146	270103	252933	242021	230902
Worth	28885	27954	27431	26257	27065	25403	24143	22724	20209	19331	18445
Wright	62800	61574	58530	55389	54941	51242	46079	42322	39938	37668	36443
State of Iowa	10249784	9941596	9520935	9059081	8761532	8201104	7622194	7002911	6515509	6126643	5853434

Table 10. Adjusted Transfer Payments (1997 dollars in \$1,000s) and Percentage of Total Personal Income from Transfer Payments in Iowa's Counties, 1987, 1992, 1996, and 1997.

County	Adjusted Transfer Payments (1997 \$s in \$1,000s)				% of Total Personal Income from Transfer Payments			
	1997	1996	1992	1987	1997	1996	1992	1987
Adair	30657	30382	27509	24975	18.7	19.0	17.5	16.1
Adams	19725	19515	17175	17482	21.9	22.1	20.7	18.8
Allamakee	50806	49133	46051	40527	19.4	19.4	18.9	16.4
Appanoose	61784	63726	58578	56026	26.2	27.7	26.5	25.7
Audubon	26850	26410	25918	22860	18.5	18.4	18.8	15.7
Benton	78019	76413	70333	61497	14.5	14.8	16.1	14.2
Black Hawk	462548	465987	428833	384635	16.9	17.6	17.2	16.4
Boone	127956	124442	128475	115823	21.6	21.2	23.7	21.9
Bremer	76640	75983	67943	61599	14.6	15.1	14.6	14.6
Buchanan	68074	68342	64823	60931	16.1	16.5	17.0	16.3
Buena Vista	77563	76204	69999	62728	17.8	17.8	17.8	16.0
Butler	57441	59802	57414	49627	17.9	18.5	19.0	16.8
Calhoun	48048	47273	44546	40290	19.9	18.8	19.8	17.6
Carroll	81922	79782	73255	62288	16.3	16.3	15.9	13.6
Cass	65462	65583	59496	50501	21.7	22.4	20.4	16.9
Cedar	53684	54705	50916	44537	13.5	14.0	14.3	12.5
Cerro Gordo	187469	187250	177297	150858	17.6	18.0	18.4	15.5
Cherokee	55725	54102	49730	46287	19.0	18.8	18.4	16.4
Chickasaw	45030	44390	41262	38106	16.2	16.7	16.7	14.4
Clarke	33620	33454	30107	25671	23.4	25.5	22.6	18.3
Clay	62939	63849	56405	51234	15.5	15.8	16.0	14.4
Clayton	71025	70019	63930	56144	18.7	19.1	18.7	16.1
Clinton	200729	203577	185664	162420	18.5	19.0	18.2	16.4
Crawford	63194	63360	57060	47925	18.4	18.8	18.0	15.2
Dallas	107630	106658	97459	84637	12.2	12.5	13.9	13.5
Davis	30939	31180	28952	26579	20.0	20.9	20.3	20.2
Decatur	33576	33110	32343	28770	27.7	28.4	26.9	22.5
Delaware	54240	53617	49123	42626	14.8	15.0	15.4	12.3
Des Moines	168677	168850	158347	137396	17.6	18.1	17.8	15.6
Dickinson	67624	63776	58865	50075	16.5	15.9	17.0	15.8
Dubuque	300249	297657	266921	235415	14.9	15.1	14.7	13.5
Emmet	48768	48790	46020	39673	20.5	21.3	21.0	18.2
Fayette	82055	83359	74488	68092	19.7	20.5	20.0	17.4
Floyd	71667	68271	65672	57186	20.3	19.7	19.9	17.0
Franklin	44771	40659	40662	35417	19.2	17.0	18.5	15.0
Fremont	33032	33679	30375	28906	21.0	20.9	20.6	18.3
Greene	43205	43963	40417	35560	19.7	19.1	19.3	16.5
Grundy	40575	40025	37438	36021	13.6	14.3	13.7	13.6
Guthrie	46075	45451	43051	39427	19.5	19.4	20.2	18.4
Hamilton	60288	58270	58405	50652	16.0	15.4	17.3	14.5
Hancock	44386	44510	42479	34669	18.2	17.9	18.9	14.5
Hardin	77849	78533	75530	67742	18.6	18.5	19.5	16.8
Harrison	62337	62092	57854	50484	21.3	21.0	21.8	19.6
Henry	65640	64492	60294	53541	15.3	15.6	15.8	15.0
Howard	34050	33781	34304	28858	16.3	17.0	19.5	15.6
Humboldt	43257	43684	42020	35814	18.1	17.9	19.3	16.5
Ida	27675	27076	25237	24667	16.5	16.2	16.0	14.9
Iowa	49076	47984	45069	40060	12.8	13.7	13.5	13.1
Jackson	77244	76224	69448	60276	20.6	20.9	19.9	16.5
Jasper	133455	131422	118258	101090	15.7	16.2	15.9	13.5

Table 10. Adjusted Transfer Payments (1997 dollars in \$1,000s) and Percentage of Total Personal Income from Transfer Payments in Iowa's Counties, 1987, 1992, 1996, and 1997 (continued).

County	Adjusted Transfer Payments (1997 \$s in \$1,000s)				% of Total Personal Income from Transfer Payments			
	1997	1996	1992	1987	1997	1996	1992	1987
Jefferson	54578	54436	48043	43946	14.7	15.8	15.4	14.3
Johnson	230081	223234	190459	156917	9.2	9.2	8.8	8.4
Jones	58591	57570	52817	49037	16.3	16.4	16.1	15.0
Keokuk	47004	47731	45360	41467	20.0	21.7	21.6	17.1
Kossuth	65213	63204	60383	54755	17.6	17.3	17.5	14.2
Lee	152096	153401	145228	128843	18.8	19.4	19.4	17.3
Linn	581703	572118	511826	433968	12.0	12.3	12.4	11.5
Louisa	37504	36653	33980	30769	17.0	16.8	16.0	14.1
Lucas	38042	37835	35393	34433	22.4	23.4	21.5	19.9
Lyon	40309	39115	34096	30682	16.8	16.2	16.1	14.1
Madison	45910	46361	40442	36816	15.6	16.3	16.7	15.8
Mahaska	79267	78572	75851	67917	17.4	18.4	18.8	16.3
Marion	114269	112468	102647	90651	16.1	16.7	16.7	14.8
Marshall	161558	152526	135324	121956	18.3	18.0	16.4	15.0
Mills	100471	88945	95746	81180	29.0	27.7	31.8	27.5
Mitchell	44944	44187	39484	35249	17.1	17.1	17.0	14.4
Monona	50251	48505	46867	40315	24.6	24.3	25.1	22.6
Monroe	36179	35717	33947	32300	22.5	23.0	22.5	21.8
Montgomery	57201	57997	50544	45535	21.3	22.2	20.7	19.3
Muscatine	134217	133690	120759	104900	13.3	13.5	13.3	12.4
O'Brien	62526	60229	55648	48591	18.2	18.0	18.2	15.0
Osceola	23959	23873	23595	21034	16.2	15.8	18.0	15.7
Page	71827	71111	66350	61271	19.6	20.0	19.8	18.9
Palo Alto	43874	43823	40403	35955	20.1	19.9	20.3	16.8
Plymouth	76020	75183	70109	62029	14.7	14.5	14.6	13.2
Pocahontas	38999	38771	36616	32520	20.3	19.9	19.9	17.0
Polk	1185233	1179976	1057290	898803	11.8	12.1	12.1	11.9
Pottawattamie	321350	321082	297897	256553	17.8	18.3	18.6	16.1
Poweshiek	66401	65287	58522	51221	15.4	15.9	15.1	13.2
Ringgold	24829	24359	22749	19713	26.1	27.2	26.0	20.7
Sac	49173	50861	46966	40955	20.3	20.6	21.4	17.2
Scott	549415	550601	503991	427424	14.5	15.1	14.8	13.2
Shelby	54328	52941	45080	39799	19.4	19.4	17.8	15.4
Sioux	86950	85377	79932	71028	13.2	13.3	13.8	12.9
Story	203210	198068	175786	155233	11.7	11.8	11.7	11.2
Tama	63787	63708	60862	54978	17.5	18.0	18.5	15.5
Taylor	27791	27677	27198	26003	22.8	24.5	24.9	21.5
Union	53870	53634	48417	45832	21.8	22.8	21.6	20.1
Van Buren	31182	30996	29037	25817	21.2	23.0	22.9	20.9
Wapello	161017	163884	153951	140395	22.8	23.4	23.3	21.8
Warren	117228	113776	96275	79677	13.3	13.6	12.8	11.9
Washington	72697	71313	66481	56913	15.8	16.1	16.5	14.2
Wayne	30712	31845	29938	28228	26.5	28.2	27.9	22.0
Webster	174586	174775	161607	140352	20.3	20.4	20.0	18.2
Winnebago	44533	43944	41198	37325	16.7	16.9	16.8	13.9
Winneshiek	66715	64708	58582	51794	15.2	15.4	14.8	13.6
Woodbury	371249	374093	360207	323470	15.7	16.0	17.0	16.3
Worth	28885	28575	28971	25840	16.7	17.3	19.4	16.0
Wright	62800	62942	58440	51053	20.1	19.8	20.8	17.3
State of Iowa	10249784	10162472	9353045	8200049	15.5	15.8	15.9	14.6

greater numbers of residents generally have higher nonfarm earnings. Polk's nonfarm earnings of \$7.3 billion was more than twice that of Linn's \$3.4 billion; Black Hawk, Dubuque, Johnson, Pottawattamie, Scott, Story, and Woodbury also reported earnings in this category of at least \$1 billion in 1997. Adams, Ringgold, and Wayne were the only counties with nonfarm earnings of less than \$50 million in 1997, although another 18 were under \$100 million that year.

Although the state had an inflation-adjusted increase in nonfarm earnings of \$7.7 billion (23.3%) from 1987 to 1997, four counties had lower nonfarm earnings in the later year after inflation was factored into the calculations (Table 4). The decrease of \$6.2 million in Lucas far surpassed drops of \$3.3 million in Decatur, \$2.7 million in Wayne, and \$2.5 million in Fremont. In the remaining 95 counties, changes in nonfarm earnings exceeded the rate of inflation. Polk's increase of \$1.9 billion was followed by a \$786 million gain in Linn. Ten others reported at least \$100 million more in adjusted nonfarm earnings in 1997 than in 1987. Inflation-adjusted changes in nonfarm earnings across counties ranged from a decline of 6.6 percent in Lucas to gains greater than 50 percent in Dallas and Dickinson when 1987 and 1997 were compared.

In 1987, nonfarm earnings accounted for 59.1 percent of total personal income in Iowa. This percentage increased somewhat between that year and 1997, when the figure was 62.1 percent (Table 4, Figure 1). Substantial differences occurred across counties, however (Figure 2). In 1997, for example, more than 70 percent of total income was derived from nonfarm earnings in Johnson, Linn, Polk, and Warren counties, while this source of income accounted for less than half of the total in 34 counties. Ten years earlier, nonfarm earnings accounted for more than 70 percent of total income in three counties and it was less than half of the total in 50 counties. Overall, nonfarm earnings were a larger portion of total earnings in 1997 than in 1987 in 88 counties.

Farm Earnings

Iowa's farm earnings totaled \$2.9 billion in 1997 (Table 5). Farm earnings declined in 6 of the 10 year-to-year comparisons. Of the 11 years examined, farm earnings were the highest in 1996, although the 1997 figure was only \$110 million below that level. The lowest figure—\$480 million—occurred in 1993, a year when flooding greatly affected farms.

Farm earnings were negative in 27 counties in 1993 (earnings can be negative because losses can exceed gains in a particular year). That didn't occur in any county in 1994 or 1997, although it happened in 21 counties in 1995 and one in 1996. Inflation-adjusted farm earnings (Table 6) also showed significant year-to-year variations.

Farm earnings constituted a relatively small percentage of Iowa's total personal income for the years reported in the 1987-1997 period (Table 6, Figure 1). The 5.8 percent reported for 1987 was the highest. In 1997, farm earnings accounted for 4.4 percent of total income in the state. Earnings from farms were at least 10 percent of total income in 40 counties that year, with Worth the only one in which farm earnings accounted for more than 20 percent of total income (Figure 2).

Dividends, Interest, and Rent

Income from dividends, interest, and rent decreased only from 1991 to 1992 in the 1987-1997 period and increased since then to reach the 1997 figure of \$11.8 billion (Table 7). Over the period, income from this source increased by \$3.6 billion. In 1997, dividends, interest, and rent provided income of nearly \$1.6 billion in Polk and more than \$500 million in Linn and Scott. It was at least \$100 million in another 23 counties. After adjustments were made for inflation, income from dividends, interest, and rent was \$282 million dollars higher in 1997 than 10 years earlier (Table 8).

The percentage that income from this source constituted of total personal income declined during this period. In 1987, 20.5 percent of total personal income came from dividends, interest, and rent (Table 8). The percentage decreased to 17.9 percent in 1997 (Figure 1). This was the trend throughout the state except for Calhoun, Crawford, Johnson, Lucas, and Muscatine counties.

Again, differences occur across counties (Figure 2). In 1997, dividends, interest, and rent accounted for at least 25.0 percent of total personal income in Calhoun but less than 15.0 percent in Dallas, Harrison, Louisa, Madison, Mills, Pottawattamie, and Warren, however.

Transfer Payments

The final category of income includes transfer payments, which increased annually from \$5.9 billion in 1987 to \$10.2 billion 10 years later (Table 9). Twenty-three counties listed at least \$100 million in transfer payments in 1997, although only Polk reported a total greater than \$1 billion. Adams (\$19.7 million) was the only county with less than \$20 million in transfer payments.

Substantial gains occurred among transfer payments even after controlling for inflation (Table 10). These adjusted payments increased 25.0 percent from 1987 to 1997. Although it has fluctuated, the percentage of total personal income that comes from transfer payments also has increased slightly (Table 10). The 1987 figure of 14.6 percent increased to 15.9 percent in 1992 but dropped to 15.5 percent in 1997 (Figure 1).

Only in Johnson (9.2%) did less than 10 percent of total personal income come from transfer payments in 1997 (Figure 2). Appanoose, Decatur, Mills, Ringgold, and Wayne were the only counties with at least 25 percent of income generated by this source. Caution is urged in interpreting these and all numbers and percentages in this report, of course; the location of a state institution in Mills could have influenced these results, for example.

Concluding Comments

In 1997, 62.1 percent of total statewide personal income came from nonfarm earnings; 4.4 percent from farm earnings; 17.9 percent from dividends, interest, and rent; and 15.5 percent from transfer payments (Figure 1). The percentages for 1987 were 59.1, 5.8, 20.5, and 14.6, respectively. While nonfarm earnings and transfer payments increased their shares, the percentages of income derived from farm earnings and dividends, interest, and rent declined.

Note: Additional information on transfer payments received by individuals is reported in the next section in this volume ("Government Payments to Individuals in Iowa's Counties: 1987, 1992, 1996, and 1997").

Figure 1. Percent of personal income from selected sources, 1987-1997.

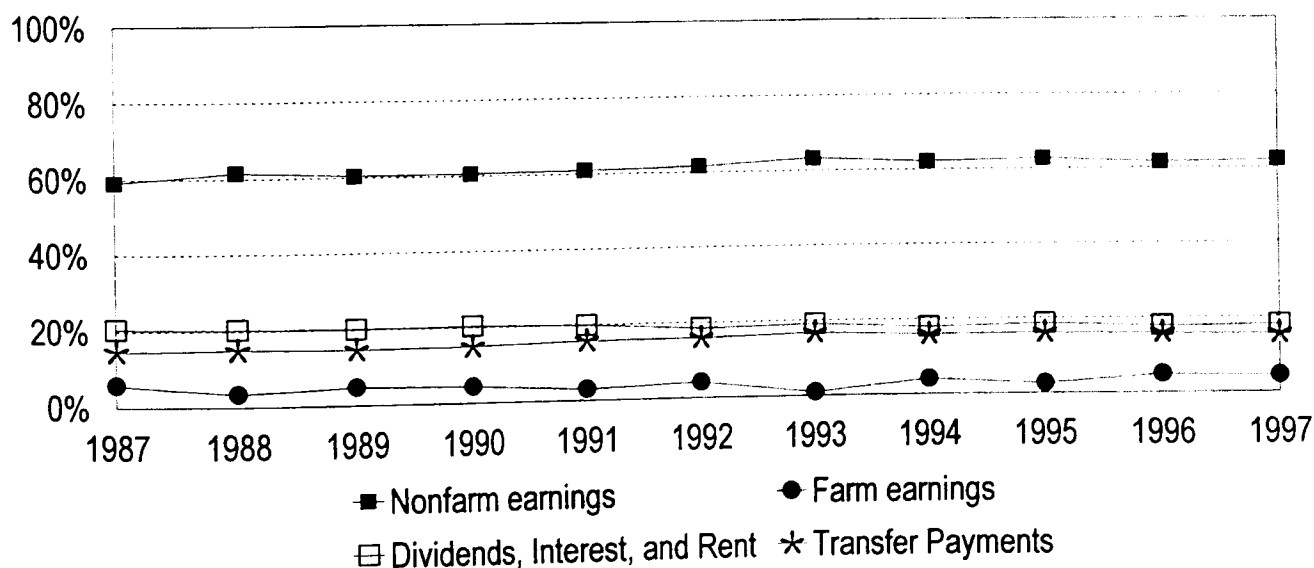
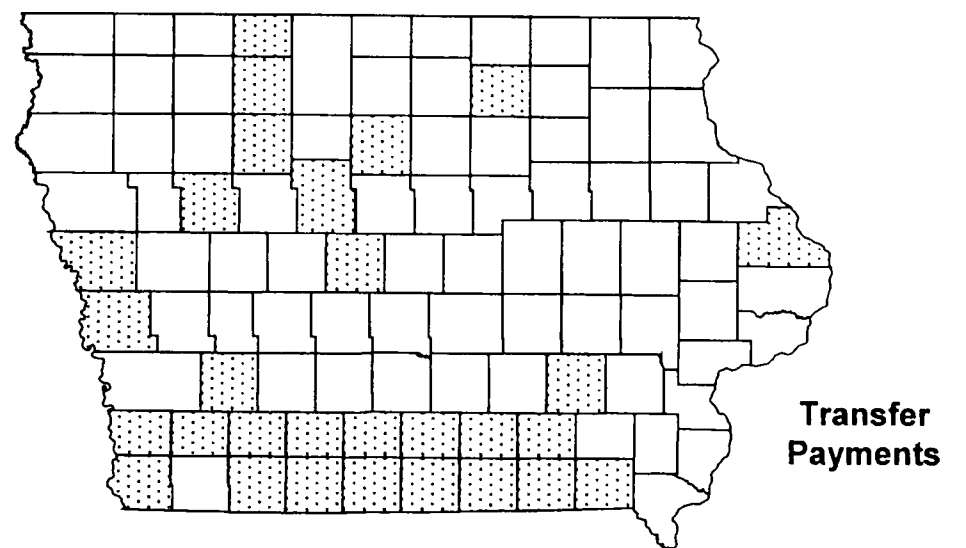
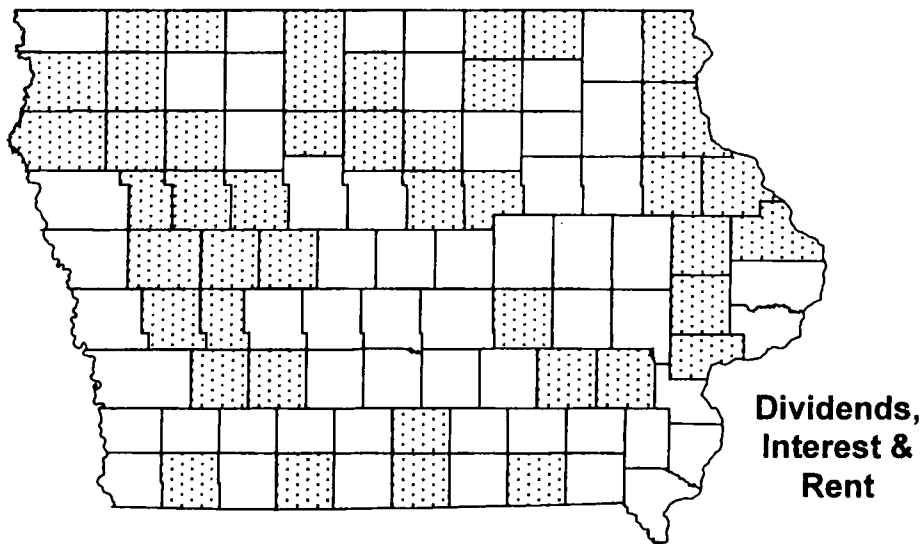
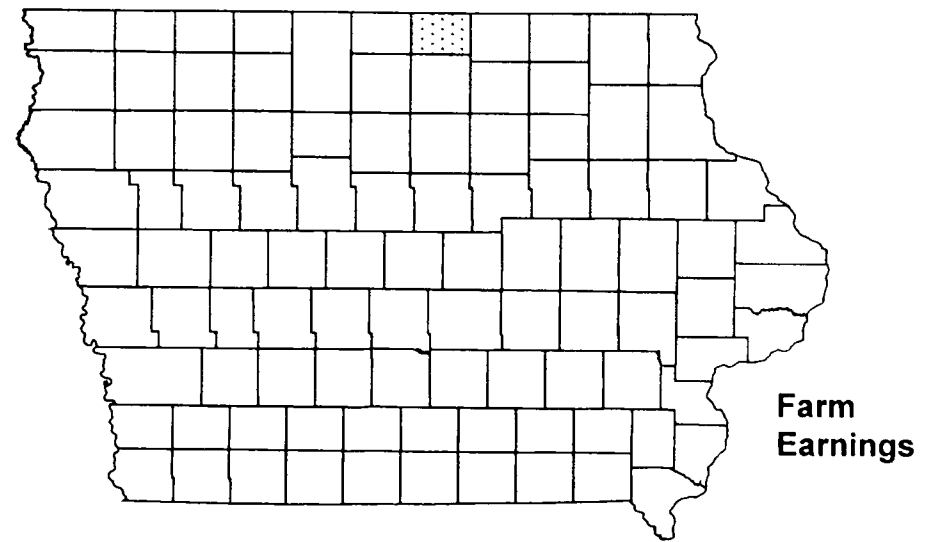
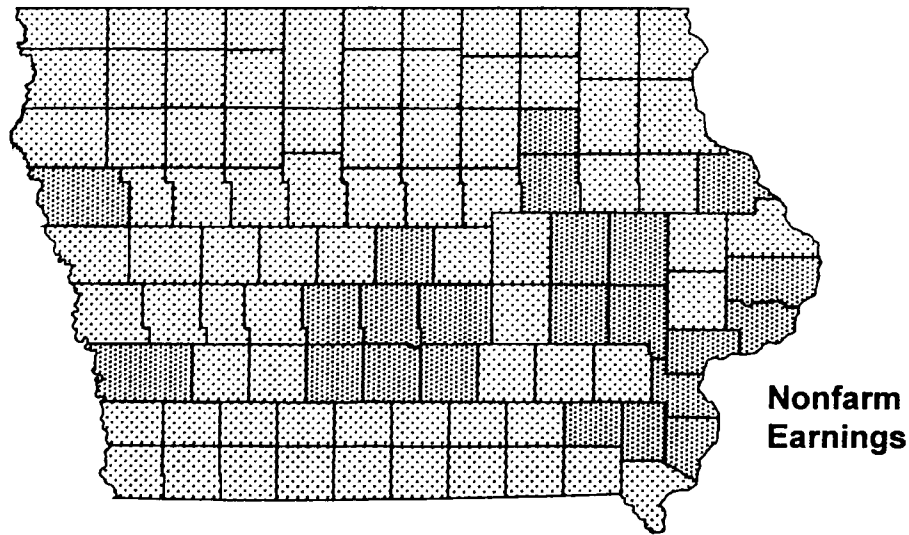


Figure 2. Percent of personal income from selected sources, Iowa, 1997.



60.0% or more
 40.0%–59.9%
 20.0%–39.9%
 Less than 20.0%

Government Payments to Individuals in Iowa's Counties: 1987, 1992, 1996, and 1997

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The Bureau of Economic Analysis of the U.S. Department of Commerce reports annually on income received from a variety of sources. In this section, detailed information is provided on what usually are referred to as transfer payments. These are government payments to individuals. A major portion of these transfer payments come through Old Age, Survivors, and Disability Insurance (OASDI), or what is more commonly known as Social Security (Table 1). Railroad retirement and disability payments, federal civilian employee retirement payments, military retirement payments, state and local government employment retirement payments, and federal and state workers' compensation payments also are available to selected residents; these are labeled other retirement and disability payments in the table. The Bureau of Economic Analysis reports Medicare as a separate category; public assistance medical care and other medical payments also are reported. Income maintenance benefit payments include supplemental security income payments, aid to families with dependent children, food stamps, and other smaller programs. Unemployment insurance benefit payments include state unemployment insurance compensation and unemployment compensation for federal civilian employees, railroad employees, and veterans. Another general category includes veterans benefit payments, which consists of pensions and compensation payments for veterans, life insurance benefit payments for veterans, and educational assistance to veterans, dependents, and survivors. The final category reported in Table 1 includes transfer payments not noted elsewhere, with nearly all for education and training assistance payments.

Total Transfer Payments

Transfer payments totaled \$9.7 billion in 1997 (Table 1), up from \$9.4 billion in 1996 (Table 2), \$7.8 billion in 1992 (Table 3), and \$5.5 billion in 1987 (Table 4). When inflation was taken into account, however, the increases were less substantial. The increase from 1987 to 1997 in unadjusted dollars was \$4.2 billion; after including inflation, the increase was \$2.0 billion.

Total transfer payments generally were correlated with population size; counties with larger numbers of residents received substantially greater amounts than those with smaller populations. Polk, for example, reported \$1.1 billion in government payments to individuals in 1997, while Adams noted \$19 million; these counties have the highest and lowest populations in the state. Twenty-one other counties had at least \$100 million in transfer payments in 1997, with Black Hawk, Linn, and Scott in the \$400-\$550 million range. Totals in 38 counties including Adams were below \$50 million, although Osceola and Ringgold were the only ones joining Adams with less than \$25 million received through transfer payments in 1997. After adjusting for inflation, all counties received higher transfer payments in 1997 than in 1987. In Taylor and Wayne, gains were less than 10 percent; increases exceeded 40 percent in Johnson and Warren.

Retirement and Disability Payments

More than half (56.9%; \$5.3 billion) of total government payments to individuals in Iowa arrived through retirement and disability payments, with OASDI (Social Security) alone accounting for 46.1 percent (\$4.5 billion) of the total in 1997 (Table 1). In 1987, 61.3 percent of the total transfer payments came from the two categories of retirement and disability payments; in that year, half (50.5%) of the total came from OASDI alone (Table 4). Unadjusted OASDI payments increased by 60.5 percent between 1987 and 1997; after adjusting for inflation, however, the increase was 14.5 percent.

Table 1. Government Payments (in \$1,000s) to Individuals in Iowa's Counties, 1997.

County	Total	OASDI*	Other Retirement/ Disability Payments	Medicare	Other Medical Payments	Income Maintenance Benefit Payments	Unemployment Insurance Benefit Payments	Veterans Benefit Payments	Other Payments
Adair	29123	14449	2197	5456	3721	2211	412	488	158
Adams	18902	9256	1630	3525	2356	1429	300	305	85
Allamakee	48197	24883	3226	7669	6901	2855	1251	1090	322
Appanoose	59266	25000	6883	9836	7892	6723	1018	1604	310
Audubon	25580	12458	1754	5530	3496	1263	503	420	131
Benton	73355	36867	6817	14578	7308	4335	1404	1471	575
Black Hawk	439897	192177	37032	81307	62228	41191	7637	7692	10633
Boone	123078	43250	12330	15094	44109	4617	1249	1829	600
Bremer	72295	37258	5877	15444	7231	3200	966	1081	1238
Buchanan	64131	32046	5065	12546	7082	4633	1179	1094	486
Buena Vista	73916	36779	4884	13538	11336	3251	773	1187	2168
Butler	54516	28606	3747	12751	4281	2709	1175	885	362
Calhoun	45917	22712	3150	9628	6541	2112	527	984	220
Carroll	77875	38879	5551	14950	12195	3232	1409	1159	500
Cass	62714	31875	4175	12417	7691	3625	1423	1168	340
Cedar	50332	25285	5182	10034	4833	2749	969	867	413
Cerro Gordo	178823	86832	16258	32585	22937	9691	3527	3184	3809
Cherokee	53223	27988	3659	10003	7213	2342	680	1028	310
Chickasaw	42524	21150	3299	8726	4650	2389	1264	737	309
Clarke	32084	15127	2604	5797	4637	2544	574	612	158
Clay	59657	30166	5459	10685	6971	3313	990	1203	870
Clayton	67521	33009	5382	12271	8769	3819	2581	1259	431
Clinton	191364	86344	20516	37187	24976	13878	4061	3057	1345
Crawford	60138	27364	4273	11804	10007	3974	1270	1069	377
Dallas	100961	49845	12784	19345	9799	4390	1664	2314	820
Davis	29371	13399	2539	4882	4466	2585	617	690	162
Decatur	32048	13470	2197	4844	6258	3220	531	619	878
Delaware	50800	25134	4119	9103	5846	3632	1629	913	424
Des Moines	160825	72236	19150	29734	18157	12306	4431	2930	1881
Dickinson	64643	36577	5309	11222	6410	2323	1187	1247	368
Dubuque	283831	134471	24326	57948	34159	16100	7492	5036	4299
Emmet	46731	22067	3576	8895	7203	2253	770	839	1087
Fayette	77954	36083	7891	15225	9695	5247	1406	1411	996
Floyd	68596	32770	4251	12894	11029	3881	1689	1704	378
Franklin	42744	20390	2822	6823	8581	2296	842	740	209
Fremont	31570	13267	2847	6589	5111	2400	503	671	152
Greene	41332	24089	2595	7040	3453	2500	634	790	193
Grundy	38285	20697	3543	8342	2911	1348	525	637	236
Guthrie	43943	22702	3326	8332	5453	2477	654	736	220
Hamilton	57294	27531	5049	12661	6270	3090	1296	1026	371
Hancock	42141	23798	2866	7468	4110	1886	625	685	658
Hardin	74397	36664	5493	14753	9644	3765	1572	1065	1441
Harrison	59477	24312	6557	12484	9725	4086	832	1128	353
Henry	61921	30507	5965	10520	8398	3563	1250	831	887
Howard	32240	15605	2246	6394	4448	1963	649	711	187
Humboldt	41319	22400	2901	8385	4452	1809	473	659	200
Ida	26195	12818	2286	5550	3082	1527	365	384	153
Iowa	46192	23581	4019	9288	5143	1927	960	919	355
Jackson	73498	33368	7193	14713	9625	4848	1988	1301	462
Jasper	126799	65468	10612	23583	16138	5911	2404	1858	825

*OASDI: Old-Age, Survivors, and Disability Insurance Payments (usually called Social Security)

Table 1. Government Payments (in \$1,000s) to Individuals in Iowa's Counties, 1997 (continued).

County	Total	OASDI*	Other Retirement/ Disability Payments	Medicare	Other Medical Payments	Income Maintenance Benefit Payments	Unemployment Insurance Benefit Payments	Veterans Benefit Payments	Other Payments
Jefferson	51406	24694	4354	8761	6910	3965	1264	783	675
Johnson	211008	91337	34362	32422	22385	12719	3845	4277	9661
Jones	54809	27242	4536	10907	5842	3411	1236	1168	467
Keokuk	44860	21466	2880	9524	5484	3281	1038	923	221
Kossuth	61874	33313	4318	11191	7206	3508	702	1224	412
Lee	144896	64005	15850	28218	17710	11005	4289	2795	1024
Linn	547831	265516	64509	91622	64148	31841	11017	10235	8943
Louisa	35278	16264	3610	6007	4677	2830	934	682	229
Lucas	36351	15605	4040	6956	4773	3271	640	858	175
Lyon	38079	18947	2372	7107	6521	1873	299	685	230
Madison	43348	20275	4128	9142	5201	2204	1146	938	314
Mahaska	75198	35814	6741	13215	9071	5971	1261	1707	1418
Marion	108440	49131	17413	18482	10413	5252	1840	3855	2054
Marshall	154326	68509	13077	22350	29448	9015	2308	7894	1725
Mills	97788	19372	7169	10029	56127	3124	404	1234	329
Mitchell	42882	23518	2854	8993	4561	1685	495	521	213
Monona	48388	22199	3396	10724	7547	2784	551	956	193
Monroe	34679	13561	4357	7247	5170	2352	626	1181	155
Montgomery	54981	27701	4225	11227	6347	3045	1214	948	229
Muscatine	126533	62829	12915	20472	14338	9925	3093	2008	953
O'Brien	59744	31242	3548	11045	9121	2606	700	920	562
Osceola	22655	13198	1474	4517	1153	1237	336	579	135
Page	68633	32878	5875	13123	9635	4523	911	1289	399
Palo Alto	41995	22366	2704	8117	5374	2042	471	689	194
Plymouth	71424	41522	6084	14355	2533	3396	1269	1194	1071
Pocahontas	37352	19558	2446	7603	4575	1908	349	709	171
Polk	1119245	475084	156091	196712	143210	81549	24328	26029	16242
Pottawattamie	305426	121029	54512	57458	34222	24040	3410	6789	3966
Poweshiek	62859	30951	5654	12948	6621	3389	1319	1162	815
Ringgold	23833	10863	1976	4057	3965	2126	242	482	102
Sac	46957	26016	3030	8975	3560	2208	2116	778	229
Scott	520062	209526	97601	79069	59658	48948	9055	8074	8131
Shelby	51882	26029	3173	12679	5352	2699	815	834	252
Sioux	81154	41764	6061	16594	8332	3584	1251	1228	2340
Story	189310	81427	29096	32833	18444	8436	2538	2852	13684
Tama	60499	30426	5076	12223	7021	3297	940	1028	488
Taylor	26458	12397	1784	5263	3438	2173	648	590	138
Union	51546	22851	6049	9078	7138	4052	816	850	665
Van Buren	29724	14976	2181	6091	3056	2199	557	484	150
Wapello	154425	67135	16845	28036	19115	13722	4121	3692	1759
Warren	109823	53582	14624	18382	12617	4600	1829	2685	1504
Washington	68808	33026	5863	13510	9711	4004	1251	963	480
Wayne	29439	13211	2512	6258	3421	2658	532	691	131
Webster	167386	79875	13978	31325	22497	11505	2650	2794	2762
Winnebago	42284	22979	3546	8269	4624	1672	325	592	232
Winneshiek	62820	32323	5388	10700	7129	2961	1238	1024	2057
Woodbury	352215	152386	40523	62708	49918	26478	6882	7325	5995
Worth	27438	14200	2825	5098	2742	1140	713	542	149
Wright	60157	30460	5108	12161	7720	2731	816	835	326
State of Iowa	9718043	4477587	1050145	1764161	1278708	632362	184760	189892	140428

Table 2. Government Payments (in 1996 \$1,000s and adjusted to 1997 \$1,000s) to Individuals in Iowa's Counties, 1996.

County	Total		OASDI*		Other Retirement/ Disability Payments		Medicare		Other Medical Payments		Income Maintenance Benefit Payments		Unemployment Insurance Benefit Payments		Veterans Benefit Payments		Other Payments	
	1996\$	Adj to 1997\$	1996\$	Adj to 1997\$	1996\$	Adj to 1997\$	1996\$	Adj to 1997\$	1996\$	Adj to 1997\$	1996\$	Adj to 1997\$	1996\$	Adj to 1997\$	1996\$	Adj to 1997\$	1996\$	Adj to 1997\$
Adair	28179	28805	14121	14435	2084	2130	5185	5300	3565	3644	2166	2214	437	447	488	499	102	104
Adams	18259	18665	8953	9152	1558	1593	3411	3487	2023	2068	1505	1538	431	441	306	313	55	56
Allamakee	45437	46446	23797	24326	3138	3208	7286	7448	5948	6080	2852	2915	1240	1268	947	968	229	234
Appanoose	59797	61126	24437	24980	7047	7204	9686	9901	8973	9172	6738	6888	1072	1096	1624	1660	220	225
Audubon	24553	25099	11844	12107	1605	1641	5392	5512	3401	3477	1273	1301	482	493	445	455	86	88
Benton	70130	71688	35324	36109	6491	6635	13717	14022	7035	7191	4204	4297	1493	1526	1466	1499	400	409
Black Hawk	432995	442615	186223	190360	34928	35704	77664	79389	67013	68502	42390	43332	7967	8144	7615	7784	9195	9399
Boone	116895	119492	41609	42533	11856	12119	14576	14900	40787	41693	4807	4914	1105	1130	1736	1775	419	428
Bremer	69967	71521	35653	36445	5571	5695	14613	14938	7732	7904	3213	3284	1001	1023	1160	1186	1024	1047
Buchanan	62896	64293	30978	31666	4791	4897	12115	12384	7665	7835	4696	4800	1245	1273	1062	1086	344	352
Buena Vista	70838	72412	36184	36988	4589	4691	13099	13390	9678	9893	3305	3378	820	838	1260	1288	1903	1945
Butler	55563	56797	27625	28239	3480	3557	12232	12504	7069	7226	2698	2758	1350	1380	854	873	255	261
Calhoun	44099	45079	22377	22874	2953	3019	9224	9429	5741	5869	2177	2225	578	591	862	881	143	146
Carroll	74011	75655	37288	38116	5220	5336	14036	14348	11301	11552	3281	3354	1300	1329	1234	1261	351	359
Cass	61376	62740	30975	31663	4014	4103	12125	12394	7838	8012	3688	3770	1377	1408	1117	1142	242	247
Cedar	50188	51303	24444	24987	4849	4957	9700	9916	6248	6387	2696	2756	1087	1111	874	893	290	296
Cerro Gordo	174502	178379	84311	86184	15524	15869	31178	31871	22659	23162	10307	10536	3942	4030	3308	3381	3273	3346
Cherokee	50411	51531	27068	27669	3548	3627	9440	9650	6215	6353	2352	2404	679	694	889	909	220	225
Chickasaw	40913	41822	20375	20828	3181	3252	8342	8527	4385	4482	2280	2331	1364	1394	768	785	218	223
Clarke	31181	31874	14481	14803	2436	2490	5517	5640	4612	4714	2677	2736	648	662	676	691	103	105
Clay	59178	60493	29207	29856	5284	5401	10124	10349	8425	8612	3285	3358	833	852	1307	1336	713	729
Clayton	64978	66422	31829	32536	5201	5317	11957	12223	7813	7987	3746	3829	2954	3020	1173	1199	305	312
Clinton	189724	193939	83862	85725	19594	20029	35540	36330	27357	27965	14572	14896	4679	4783	3126	3195	994	1016
Crawford	58911	60220	26716	27310	4020	4109	11418	11672	10151	10377	4169	4262	1176	1202	994	1016	267	273
Dallas	97886	100061	47907	48971	12207	12478	18273	18679	10517	10751	4575	4677	1571	1606	2279	2330	557	569
Davis	28932	29575	12964	13252	2419	2473	4764	4870	4963	5073	2482	2537	586	599	619	633	104	106
Decatur	30848	31533	12971	13259	2124	2171	4709	4814	5711	5838	3298	3371	600	613	639	653	765	782
Delaware	49015	50104	23753	24281	3874	3960	8602	8793	5883	6014	3707	3789	1879	1921	1018	1041	299	306
Des Moines	157247	160741	70060	71617	18446	18856	28540	29174	18433	18843	12462	12739	4888	4997	2889	2953	1529	1563
Dickinson	59445	60766	34589	35357	5113	5227	10545	10779	4548	4649	2223	2272	978	1000	1193	1220	256	262
Dubuque	274669	280771	128725	131585	22674	23178	54405	55614	34255	35016	16037	16393	9865	10084	5181	5296	3527	3605
Emmet	45666	46681	21571	22050	3449	3526	8575	8766	7175	7334	2269	2319	687	702	955	976	943	964
Fayette	77432	79152	34943	35719	7648	7818	14668	14994	10928	11171	5390	5510	1546	1580	1502	1535	807	825

*OASDI: Old-Age, Survivors, and Disability Insurance Payments (usually called Social Security)

Table 2. Government Payments (in 1996 \$1,000s and adjusted to 1997 \$1,000s) to Individuals in Iowa's Counties, 1996 (continued).

County	Total		OASDI*		Other Retirement/ Disability Payments		Medicare		Other Medical Payments		Income Maintenance Benefit Payments		Unemployment Insurance Benefit Payments		Veterans Benefit Payments		Other Payments	
	1996\$	Adj to 1997\$	1996\$	Adj to 1997\$	1996\$	Adj to 1997\$	1996\$	Adj to 1997\$	1996\$	Adj to 1997\$	1996\$	Adj to 1997\$	1996\$	Adj to 1997\$	1996\$	Adj to 1997\$	1996\$	Adj to 1997\$
Floyd	63694	65109	31746	32451	3924	4011	12532	12810	7981	8158	3927	4014	1701	1739	1614	1650	269	275
Franklin	37715	38553	19895	20337	2706	2766	6611	6758	4608	4710	2245	2295	744	761	727	743	137	140
Fremont	31462	32161	13194	13487	2787	2849	6520	6665	5054	5166	2469	2524	643	657	666	681	100	102
Greene	41123	42037	23485	24007	2566	2623	6867	7020	3926	4013	2512	2568	742	758	861	880	126	129
Grundy	36857	37676	19998	20442	3386	3461	7960	8137	2600	2658	1397	1428	653	668	663	678	153	156
Guthrie	42332	43273	21822	22307	3155	3225	7999	8177	5264	5381	2529	2585	651	665	726	742	142	145
Hamilton	53996	55196	26670	27263	4681	4785	12240	12512	4757	4863	3155	3225	1171	1197	1061	1085	261	267
Hancock	41270	42187	23507	24029	2670	2729	7249	7410	4103	4194	1934	1977	589	602	629	643	544	556
Hardin	73341	74970	35851	36648	5163	5278	14301	14619	10241	10469	3882	3968	1350	1380	1098	1122	1455	1487
Harrison	57894	59180	23467	23988	6106	6242	11834	12097	10213	10440	4070	4160	832	850	1124	1149	248	254
Henry	59364	60683	29517	30173	5546	5669	10153	10379	7537	7704	3621	3701	1387	1418	884	904	719	735
Howard	31225	31919	15111	15447	2035	2080	6347	6488	4305	4401	1860	1901	719	735	688	703	122	125
Humboldt	40790	41696	21758	22241	2683	2743	7997	8175	5141	5255	1866	1907	449	459	727	743	130	133
Ida	24980	25535	12340	12614	2146	2194	5351	5470	2834	2897	1455	1487	307	314	416	425	100	102
Iowa	44069	45048	22775	23281	3735	3818	8794	8989	4690	4794	1966	2010	958	979	901	921	250	256
Jackson	70797	72370	32431	33152	6839	6991	13994	14305	9032	9233	4802	4909	2181	2229	1190	1216	328	335
Jasper	121932	124641	62979	64378	9981	10203	22330	22826	15494	15838	6046	6180	2599	2657	1921	1964	582	595
Jefferson	50102	51215	23868	24398	4208	4301	8490	8679	7117	7275	4017	4106	1050	1073	819	837	533	545
Johnson	199380	203810	86191	88106	31687	32391	30292	30965	22156	22648	12685	12967	3899	3986	4101	4192	8369	8555
Jones	52515	53682	25988	26565	4312	4408	10399	10630	5575	5699	3490	3568	1260	1288	1161	1187	330	337
Keokuk	44536	45525	21145	21615	2794	2856	9242	9447	5971	6104	3316	3390	967	988	913	933	144	147
Kossuth	58471	59770	31748	32453	4001	4090	10770	11009	6193	6331	3432	3508	779	796	1255	1283	293	300
Lee	142824	145997	61871	63246	15170	15507	27595	28208	19187	19613	11063	11309	4326	4422	2855	2918	757	774
Linn	526025	537712	252580	258192	60459	61802	85470	87369	66035	67502	32816	33545	11214	11463	10142	10367	7309	7471
Louisa	33616	34363	15735	16085	3359	3434	5627	5752	4222	4316	2880	2944	922	942	677	692	149	152
Lucas	35326	36111	15128	15464	3798	3882	6585	6731	4837	4944	3299	3372	693	708	839	858	113	116
Lyon	36034	36835	18059	18460	2284	2335	6663	6811	5872	6002	1848	1889	330	337	785	802	148	151
Madison	42809	43760	19621	20057	3829	3914	8797	8992	6114	6250	2254	2304	1068	1092	906	926	220	225
Mahaska	72788	74405	34751	35523	6469	6613	12692	12974	8726	8920	5830	5960	1354	1384	1771	1810	1195	1222
Marion	104202	106517	47271	48321	16151	16510	17529	17918	10312	10541	5485	5607	1841	1882	3879	3965	1734	1773
Marshall	141969	145123	66832	68317	12503	12781	21704	22186	20119	20566	9214	9419	2451	2505	7731	7903	1415	1446
Mills	84395	86270	18425	18834	6681	6829	9577	9790	44800	45795	3124	3193	395	404	1166	1192	227	232
Mitchell	41157	42071	22863	23371	2705	2765	8478	8666	4078	4169	1637	1673	656	671	560	572	138	141

Table 2. Government Payments (in 1996 \$1,000s and adjusted to 1997 \$1,000s) to Individuals in Iowa's Counties, 1996 (continued).

County	Total		OASDI*		Other Retirement/ Disability Payments		Medicare		Other Medical Payments		Income Maintenance Benefit Payments		Unemployment Insurance Benefit Payments		Veterans Benefit Payments		Other Payments	
	1996\$	Adj to 1997\$	1996\$	Adj to 1997\$	1996\$	Adj to 1997\$	1996\$	Adj to 1997\$	1996\$	Adj to 1997\$	1996\$	Adj to 1997\$	1996\$	Adj to 1997\$	1996\$	Adj to 1997\$	1996\$	Adj to 1997\$
Monona	45586	46599	20843	21306	3287	3360	10389	10620	6604	6751	2811	2873	556	568	933	954	125	128
Monroe	33428	34171	13136	13428	4187	4280	7020	7176	4759	4865	2426	2480	583	596	1185	1211	101	103
Montgomery	54511	55722	27227	27832	3996	4085	10902	11144	7077	7234	2972	3038	1349	1379	795	813	148	151
Muscatine	123083	125818	60289	61628	12015	12282	19357	19787	15273	15612	10270	10498	3327	3401	1877	1919	675	690
O'Brien	56109	57356	29842	30505	3436	3512	10732	10970	7521	7688	2535	2591	647	661	950	971	446	456
Osceola	22034	22524	12826	13111	1419	1451	4499	4599	1140	1165	1223	1250	331	338	481	492	88	90
Page	66334	67808	31933	32642	5518	5641	12537	12816	9237	9442	4563	4664	1047	1070	1212	1239	287	293
Palo Alto	40982	41893	22154	22646	2525	2581	7841	8015	5130	5244	1994	2038	513	524	661	676	126	129
Plymouth	68962	70494	40032	40921	5713	5840	13519	13819	2999	3066	3232	3304	1363	1393	1242	1270	862	881
Pocahontas	36253	37058	19159	19585	2365	2418	7535	7702	4018	4107	1866	1907	408	417	756	773	112	114
Polk	1088324	1112504	453920	464005	146656	149914	185016	189127	154860	158301	84904	86790	22855	23363	26909	27507	13204	13497
Pottawattamie	298241	304867	116230	118812	52172	53331	53993	55193	37989	38833	24932	25486	2904	2969	6799	6950	3222	3294
Poweshiek	60318	61658	29777	30439	5301	5419	12251	12523	6053	6187	3451	3528	1568	1603	1259	1287	658	673
Ringgold	22828	23335	10701	10939	1813	1853	3975	4063	3436	3512	2006	2051	283	289	528	540	66	67
Sac	47516	48572	25122	25680	2916	2981	8656	8848	5344	5463	2271	2321	2196	2245	817	835	149	152
Scott	509274	520589	201354	205828	91682	93719	74410	76063	65041	66486	52395	53559	9630	9844	8033	8211	6729	6879
Shelby	49346	50442	25173	25732	2901	2965	11950	12215	4860	4968	2625	2683	848	867	777	794	212	217
Sioux	77710	79437	40097	40988	5657	5783	15703	16052	8116	8296	3561	3640	1308	1337	1267	1295	2001	2045
Story	179823	183818	77781	79509	27124	27727	31506	32206	17144	17525	8640	8832	2438	2492	2990	3056	12200	12471
Tama	59022	60333	29538	30194	4835	4942	11729	11990	7114	7272	3282	3355	1170	1196	945	966	409	418
Taylor	25735	26307	12192	12463	1705	1743	5110	5224	3037	3104	2198	2247	724	740	653	668	89	91
Union	50117	51230	21942	22429	5834	5964	8763	8958	6942	7096	4236	4330	936	957	869	888	548	560
Van Buren	28873	29514	14389	14709	2025	2070	5880	6011	3203	3274	2157	2205	553	565	541	553	96	98
Wapello	153662	157076	65164	66612	16289	16651	27274	27880	22389	22886	14233	14549	3087	3156	3775	3859	1451	1483
Warren	103933	106242	50502	51624	13687	13991	17011	17389	12317	12591	4653	4756	1801	1841	2776	2838	1186	1212
Washington	65892	67356	31246	31940	5447	5568	12934	13221	9676	9891	3907	3994	1388	1419	958	979	336	343
Wayne	29873	30537	13003	13292	2492	2547	6239	6378	4062	4152	2686	2746	577	590	704	720	85	87
Webster	163693	167330	77909	79640	13635	13938	30250	30922	22438	22937	11572	11829	2576	2633	2955	3021	2358	2410
Winnebago	40742	41647	22017	22506	3385	3460	7930	8106	4601	4703	1695	1733	371	379	549	561	149	152
Winneshiak	59383	60702	30629	31309	5117	5231	10218	10445	6310	6450	2912	2977	1334	1364	1074	1098	1789	1829
Woodbury	346795	354500	149194	152509	38489	39344	60341	61682	53502	54691	26810	27406	6417	6560	6957	7112	5085	5198
Worth	26483	27071	13661	13965	2782	2844	5013	5124	2397	2450	1164	1190	812	830	527	539	98	100
Wright	58901	60210	29980	30646	4790	4896	11607	11865	7689	7860	2791	2853	897	917	914	934	233	238
State of Iowa	9408877	9617918	4314748	4410610	992630	1014684	1681737	1719101	1277419	1305800	646619	660985	189538	193749	190690	194927	115496	118062

Table 3. Government Payments (in 1992 \$1,000s and adjusted to 1997 \$1,000s) to Individuals in Iowa's Counties, 1992.

County	Total		OASDI*		Other Retirement/ Disability Payments		Medicare		Other Medical Payments		Income Maintenance Benefit Payments		Unemployment Insurance Benefit Payments		Veterans Benefit Payments		Other Payments	
	1992\$	Adj to 1997\$	1992\$	Adj to 1997\$	1992\$	Adj to 1997\$	1992\$	Adj to 1997\$	1992\$	Adj to 1997\$	1992\$	Adj to 1997\$	1992\$	Adj to 1997\$	1992\$	Adj to 1997\$	1992\$	Adj to 1997\$
Adair	22862	26073	12189	13901	1514	1727	4062	4633	2536	2892	1399	1596	522	595	559	638	65	74
Adams	14361	16378	7596	8663	1149	1310	2566	2926	1348	1537	1144	1305	237	270	276	315	0	0
Allamakee	38292	43671	20943	23885	2590	2954	5816	6633	4298	4902	2013	2296	1731	1974	763	870	110	125
Appanoose	49290	56213	21675	24720	6667	7603	6911	7882	5810	6626	5150	5873	1443	1646	1498	1708	108	123
Audubon	21658	24700	11120	12682	1105	1260	4605	5252	2772	3161	1008	1150	479	546	498	568	56	64
Benton	58253	66435	30799	35125	4993	5694	10502	11977	4998	5700	3592	4097	2013	2296	1133	1292	178	203
Black Hawk	357367	407563	162895	185776	27376	31221	59996	68423	43423	49522	34692	39565	13084	14922	6399	7298	9502	10837
Boone	108852	124142	36887	42068	10391	11851	12264	13987	41159	46940	4296	4899	1866	2128	1741	1986	248	283
Bremer	56116	63998	30584	34880	4249	4846	10901	12432	4268	4867	2356	2687	1859	2120	936	1067	918	1047
Buchanan	53692	61234	27227	31051	3869	4412	9768	11140	5736	6542	4110	4687	1833	2090	942	1074	165	188
Buena Vista	58365	66563	33132	37786	3657	4171	9206	10499	5342	6092	2702	3082	1024	1168	1299	1481	1965	2241
Butler	47975	54714	26018	29673	2534	2890	8362	9537	5462	6229	2396	2733	2051	2339	814	928	338	385
Calhoun	37331	42575	20254	23099	2338	2666	6851	7813	4535	5172	1685	1922	679	774	875	998	91	104
Carroll	61010	69580	33932	38698	3985	4545	10907	12439	6840	7801	2557	2916	1411	1609	1167	1331	168	192
Cass	49916	56927	26848	30619	3052	3481	8311	9478	6032	6879	2822	3218	1692	1930	1009	1151	120	137
Cedar	41995	47894	21911	24989	3607	4114	7472	8522	4720	5383	2175	2481	1255	1431	680	776	140	160
Cerro Gordo	148435	169284	74711	85205	12312	14041	22259	25386	17192	19607	8737	9964	6708	7650	3177	3623	3339	3808
Cherokee	41507	47337	24253	27660	3355	3826	6471	7380	3843	4383	1794	2046	790	901	862	983	111	127
Chickasaw	34189	38991	17934	20453	2206	2516	6496	7408	3029	3454	1746	1991	1874	2137	773	882	104	119
Clarke	25146	28678	12639	14414	1921	2191	4020	4585	2919	3329	1878	2142	1053	1201	635	724	65	74
Clay	46796	53369	24621	28079	3995	4556	7096	8093	4903	5592	3234	3688	1116	1273	1168	1332	628	716
Clayton	53239	60717	26974	30763	4180	4767	9184	10474	5445	6210	2900	3307	3196	3645	1176	1341	148	169
Clinton	155110	176897	75893	86553	15109	17231	24635	28095	16994	19381	12146	13852	6730	7675	2904	3312	699	797
Crawford	47532	54208	23114	26361	3332	3800	8602	9810	6927	7900	2791	3183	1646	1877	955	1089	132	151
Dallas	80816	92168	42617	48603	9104	10383	13374	15253	6791	7745	4183	4771	2622	2990	1823	2079	302	344
Davis	24138	27528	11643	13278	1953	2227	4303	4907	2784	3175	1951	2225	892	1017	531	606	65	74
Decatur	27139	30951	11511	13128	1895	2161	4108	4685	4484	5114	2644	3015	975	1112	685	781	822	937
Delaware	40326	45990	21148	24118	2956	3371	6727	7672	3882	4427	2562	2922	1902	2169	969	1105	144	164
Des Moines	132416	151015	59859	68267	15350	17506	23632	26951	12478	14231	10135	11559	7055	8046	2530	2885	1377	1570
Dickinson	49328	56257	30128	34360	3856	4398	8025	9152	3227	3680	1683	1919	1206	1375	1052	1200	121	138
Dubuque	220948	251983	112281	128052	17539	20003	37283	42520	21757	24813	13622	15535	10928	12463	4290	4893	3248	3704
Emmet	38611	44034	19125	21811	2751	3137	6996	7979	4665	5320	2021	2305	1085	1237	932	1063	1013	1155
Fayette	62018	70729	29654	33819	6402	7301	10672	12171	6620	7550	4201	4791	2394	2730	1344	1533	688	785

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Table 3. Government Payments (in 1992 \$1,000s and adjusted to 1997 \$1,000s) to Individuals in Iowa's Counties, 1992 (continued).

County	Total		OASDI*		Other Retirement/ Disability Payments		Medicare		Other Medical Payments		Income Maintenance Benefit Payments		Unemployment Insurance Benefit Payments		Veterans Benefit Payments		Other Payments	
	1992\$	Adj to 1997\$	1992\$	Adj to 1997\$	1992\$	Adj to 1997\$	1992\$	Adj to 1997\$	1992\$	Adj to 1997\$	1992\$	Adj to 1997\$	1992\$	Adj to 1997\$	1992\$	Adj to 1997\$	1992\$	Adj to 1997\$
Floyd	55041	62772	28377	32363	3202	3652	8319	9488	7425	8468	3276	3736	2973	3391	1301	1484	134	153
Franklin	33977	38749	18633	21250	2179	2485	5330	6079	4124	4703	1780	2030	1109	1265	712	812	89	102
Fremont	25405	28973	11317	12907	2351	2681	5158	5883	3093	3527	1701	1940	1135	1294	548	625	66	75
Greene	33926	38691	20556	23443	2240	2555	4710	5372	2592	2956	1775	2024	1245	1420	708	807	80	91
Grundy	31016	35373	17994	20521	2487	2836	5498	6270	2363	2695	1177	1342	788	899	591	674	95	108
Guthrie	36073	41140	19966	22770	2523	2877	5813	6630	3942	4496	2039	2325	952	1086	729	831	88	100
Hamilton	48792	55645	24633	28093	3741	4266	9029	10297	5304	6049	2709	3090	2226	2539	990	1129	128	146
Hancock	35388	40359	19788	22567	2084	2377	6034	6882	3269	3728	1670	1905	1445	1648	528	602	546	623
Hardin	63409	72316	33955	38724	3972	4530	11698	13341	6225	7099	3143	3584	2090	2384	1073	1224	1217	1388
Harrison	48524	55340	21312	24306	4781	5453	9030	10298	7568	8631	3178	3624	1424	1624	1084	1236	117	133
Henry	49927	56940	26254	29942	4267	4866	7930	9044	4977	5676	2849	3249	2143	2444	865	986	604	689
Howard	28594	32610	14756	16829	1587	1810	5797	6611	3340	3809	1616	1843	865	986	535	610	79	90
Humboldt	35261	40214	20903	23839	2136	2436	5904	6733	3266	3725	1606	1832	723	825	618	705	84	96
Ida	20887	23821	10868	12395	1705	1944	3992	4553	2489	2839	1023	1167	380	433	349	398	65	74
Iowa	37303	42543	20286	23135	2906	3314	7262	8282	3409	3888	1439	1641	1066	1216	787	898	118	135
Jackson	57887	66018	27504	31367	5831	6650	9457	10785	7056	8047	4159	4743	2612	2979	1072	1223	158	180
Jasper	98464	112294	52565	59948	7373	8409	17174	19586	10438	11904	5240	5976	3558	4058	1769	2017	347	396
Jefferson	39653	45223	19520	22262	3517	4011	5901	6730	4482	5112	3060	3490	2004	2285	708	807	429	489
Johnson	152294	173685	69163	78878	22925	26145	20292	23142	13685	15607	9069	10343	5071	5783	3438	3921	8651	9866
Jones	43349	49438	22132	25241	3242	3697	8501	9695	3582	4085	2517	2871	2052	2340	1110	1266	213	243
Keokuk	38030	43372	19797	22578	2391	2727	6656	7591	4146	4728	2648	3020	1414	1613	863	984	92	105
Kossuth	50212	57265	28857	32910	3339	3808	8579	9784	4190	4779	2570	2931	1390	1585	1107	1262	144	164
Lee	121488	138552	54244	61863	13237	15096	20390	23254	14208	16204	9573	10918	6683	7622	2625	2994	528	602
Linn	422841	482234	208888	238229	44571	50832	62285	71034	44463	50708	29715	33889	17765	20260	8455	9643	6699	7640
Louisa	28080	32024	13488	15383	2476	2824	4592	5237	3100	3535	2332	2660	1361	1552	619	706	90	103
Lucas	29677	33845	13675	15596	3314	3779	5015	5719	3245	3701	2323	2649	1188	1355	828	944	72	82
Lyon	28101	32048	16359	18657	1666	1900	5043	5751	2688	3066	1159	1322	402	458	666	760	95	108
Madison	33542	38253	16851	19218	2769	3158	5766	6576	3916	4466	1866	2128	1487	1696	761	868	101	115
Mahaska	63283	72172	31998	36492	5000	5702	8595	9802	8135	9278	4978	5677	1871	2134	1532	1747	1131	1290
Marion	85472	97478	40055	45681	13593	15502	13694	15617	6910	7881	4513	5147	2076	2368	2930	3342	1701	1940
Marshall	112989	128860	58548	66772	8907	10158	17089	19489	9491	10824	7989	9111	3026	3451	6692	7632	1247	1422
Mills	81949	93460	15554	17739	5030	5737	6223	7097	50824	57963	2501	2852	654	746	1031	1176	105	120
Mitchell	32994	37628	19575	22325	2046	2333	5793	6607	2880	3285	1243	1418	886	1010	464	529	86	98

Table 3. Government Payments (in 1992 \$1,000s and adjusted to 1997 \$1,000s) to Individuals in Iowa's Counties, 1992 (continued).

County	Total		OASDI*		Other Retirement/ Disability Payments		Medicare		Other Medical Payments		Income Maintenance Benefit Payments		Unemployment Insurance Benefit Payments		Veterans Benefit Payments		Other Payments	
	1992\$	Adj to 1997\$	1992\$	Adj to 1997\$	1992\$	Adj to 1997\$	1992\$	Adj to 1997\$	1992\$	Adj to 1997\$	1992\$	Adj to 1997\$	1992\$	Adj to 1997\$	1992\$	Adj to 1997\$	1992\$	Adj to 1997\$
Monona	39595	45157	19668	22431	2886	3291	7723	8808	4961	5658	2423	2763	795	907	1039	1185	80	91
Monroe	28536	32544	11965	13646	3903	4451	5128	5848	3712	4233	2008	2290	845	964	895	1021	64	73
Montgomery	42532	48506	22344	25482	3128	3567	7148	8152	5425	6187	2432	2774	1169	1333	769	877	94	107
Muscatine	99760	113772	51205	58397	9349	10662	13896	15848	10396	11856	8507	9702	4371	4985	1628	1857	408	465
O'Brien	46472	53000	26861	30634	2642	3013	7963	9081	4679	5336	1995	2275	1029	1174	920	1049	353	403
Osceola	19608	22362	11790	13446	1099	1253	3140	3581	1870	2133	800	912	460	525	377	430	57	65
Page	55678	63499	28561	32573	4377	4992	9593	10940	6492	7404	3803	4337	1644	1875	1038	1184	132	151
Palo Alto	33851	38606	19208	21906	1886	2151	5608	6396	3957	4513	1822	2078	605	690	661	754	83	95
Plymouth	57925	66061	33485	38188	4328	4936	9725	11091	4756	5424	2239	2553	1520	1734	1109	1265	717	818
Pocahontas	30710	35024	17045	19439	1725	1967	5639	6431	3572	4074	1396	1592	559	638	681	777	74	84
Polk	876423	999527	380103	433493	107898	123054	132964	151640	112772	128612	74154	84570	32923	37547	23725	27057	11884	13553
Pottawattamie	248679	283609	100705	114850	44517	50770	37674	42966	31164	35541	21296	24287	4976	5675	5421	6182	2926	3337
Poweshiek	48472	55280	25184	28721	4062	4633	8622	9833	4802	5476	2655	3028	1673	1908	891	1016	547	624
Ringgold	19139	21827	9628	10980	1411	1609	2988	3408	2676	3052	1469	1675	407	464	506	577	0	0
Sac	39357	44885	22072	25172	2281	2601	6408	7308	4007	4570	1670	1905	2016	2299	784	894	96	109
Scott	418655	477460	167509	191038	72888	83126	56745	64716	48500	55312	43653	49785	16018	18268	7021	8007	6321	7209
Shelby	37543	42816	20087	22908	2185	2492	7410	8451	3739	4264	1839	2097	1439	1641	713	813	104	119
Sioux	65526	74730	37363	42611	3785	4317	11459	13069	5937	6771	2506	2858	1341	1529	1127	1285	2008	2290
Story	142986	163070	65012	74144	20233	23075	21650	24691	10005	11410	6445	7350	3833	4371	2490	2840	13318	15189
Tama	50751	57880	26585	30319	3539	4036	9098	10376	5823	6641	3005	3427	1520	1734	908	1036	273	311
Taylor	22789	25990	11777	13431	1582	1804	4165	4750	2363	2695	1630	1859	590	673	613	699	55	63
Union	40570	46269	19271	21978	4881	5567	6383	7280	4265	4864	3310	3775	1015	1158	874	997	546	623
Van Buren	24302	27716	13229	15087	1647	1878	4673	5329	1855	2116	1595	1819	834	951	394	449	60	68
Wapello	129603	147807	58192	66366	13955	15915	21296	24287	15021	17131	11752	13403	4679	5336	3360	3832	1348	1537
Warren	78831	89904	37923	43250	9935	11330	11700	13343	8745	9973	4368	4982	2914	3323	2256	2573	990	1129
Washington	55262	63024	30237	34484	3704	4224	9709	11073	5779	6591	2916	3326	1661	1894	1058	1207	159	181
Wayne	25204	28744	12193	13906	2143	2444	4757	5425	2659	3032	1955	2230	717	818	711	811	55	63
Webster	135685	154744	68077	77639	10991	12535	20770	23687	16225	18504	10152	11578	4617	5266	2487	2836	2366	2698
Winnebago	34335	39158	20175	23009	2276	2596	5580	6364	3632	4142	1401	1598	625	713	529	603	94	107
Winneshiek	48217	54990	25784	29406	3856	4398	7427	8470	4162	4747	2212	2523	1999	2280	913	1041	1822	2078
Woodbury	300853	343111	135097	154073	30808	35135	46281	52782	43718	49859	24945	28449	8573	9777	6585	7510	4846	5527
Worth	24220	27622	12090	13788	2527	2882	4125	4704	2645	3017	1083	1235	1213	1383	460	525	62	71
Wright	49103	56000	27159	30974	4206	4797	8680	9899	4173	4759	2350	2680	1547	1764	846	965	114	130
State of Iowa	7780029	8872825	3748070	4274530	775313	884215	1241059	1415380	932531	1063516	536547	611911	271542	309683	168272	191908	106695	121682

Table 4. Government Payments (in 1987 \$1,000s and adjusted to 1997 \$1,000s) to Individuals in Iowa's Counties, 1987.

County	Total		OASDI*		Other Retirement/ Disability Payments		Medicare		Other Medical Payments		Income Maintenance Benefit Payments		Unemployment Insurance Benefit Payments		Veterans Benefit Payments		Other Payments	
	1987\$	Adj to 1997\$	1987\$	Adj to 1997\$	1987\$	Adj to 1997\$	1987\$	Adj to 1997\$	1987\$	Adj to 1997\$	1987\$	Adj to 1997\$	1987\$	Adj to 1997\$	1987\$	Adj to 1997\$	1987\$	Adj to 1997\$
	Adair	16800	23535	9696	13583	1114	1561	2907	4072	1117	1565	1154	1617	234	328	528	740	0
Adams	11866	16623	6149	8614	900	1261	2375	3327	950	1331	924	1294	134	188	403	565	0	0
Allamakee	27247	38170	15628	21893	2043	2862	4477	6272	2064	2891	1409	1974	751	1052	792	1110	78	109
Appanoose	38330	53696	16844	23597	6118	8571	5685	7964	3514	4923	3802	5326	746	1045	1540	2157	76	106
Audubon	15412	21591	9194	12880	839	1175	2840	3979	1064	1491	686	961	306	429	439	615	0	0
Benton	41244	57779	23091	32348	3763	5272	7173	10049	2297	3218	2500	3502	1122	1572	1167	1635	123	172
Black Hawk	259573	363635	123528	173050	20864	29228	40139	56231	22748	31868	28825	40381	8703	12192	5799	8124	8920	12496
Boone	79678	111621	27590	38651	8101	11349	8919	12495	29056	40704	2927	4100	1324	1855	1614	2261	138	193
Bremer	41202	57720	24037	33673	3168	4438	6879	9637	1795	2515	1995	2795	1428	2000	1025	1436	867	1215
Buchanan	40996	57431	20820	29167	2902	4065	6776	9492	4950	6934	3308	4634	1071	1500	1046	1465	116	163
Buena Vista	42378	59367	25023	35055	2832	3967	6495	9099	2188	3065	1936	2712	689	965	1291	1809	1917	2686
Butler	33509	46943	19465	27268	1829	2562	6101	8547	2436	3413	1769	2478	974	1364	840	1177	89	125
Calhoun	27360	38329	16241	22752	1657	2321	4629	6485	2149	3011	1372	1922	378	530	865	1212	65	91
Carroll	41895	58691	24650	34532	3095	4336	7008	9817	2924	4096	1859	2604	1038	1454	1195	1674	119	167
Cass	34197	47906	20128	28197	2312	3239	5786	8106	2185	3061	1771	2481	935	1310	988	1384	86	120
Cedar	29691	41594	16960	23759	2783	3899	5000	7004	2025	2837	1511	2117	671	940	638	894	97	136
Cerro Gordo	102086	143012	53898	75505	9522	13339	15463	21662	7158	10028	6493	9096	3094	4334	3306	4631	3135	4392
Cherokee	31301	43849	17035	23864	2715	3803	4903	6869	3373	4725	1444	2023	828	1160	916	1283	81	113
Chickasaw	25545	35786	14334	20080	1635	2290	4976	6971	1354	1897	1435	2010	983	1377	747	1046	76	106
Clarke	17349	24304	8903	12472	1374	1925	2824	3956	1713	2400	1354	1897	510	714	624	874	0	0
Clay	34433	48237	18693	26187	2769	3879	5498	7702	2614	3662	2293	3212	859	1203	1114	1561	586	821
Clayton	37758	52895	20386	28559	3333	4669	6785	9505	2573	3605	2054	2877	1195	1674	1318	1846	107	150
Clinton	109776	153785	56719	79457	12114	16970	18582	26031	7660	10731	8325	11662	3074	4306	2806	3931	477	668
Crawford	32145	45032	17645	24719	2614	3662	5913	8283	2239	3137	2033	2848	664	930	935	1310	96	134
Dallas	56969	79808	29236	40957	7049	9875	10222	14320	3831	5367	3126	4379	1318	1846	2017	2826	160	224
Davis	17950	25146	9318	13054	1518	2127	3004	4208	1335	1870	1519	2128	569	797	638	894	0	0
Decatur	19509	27330	9410	13182	1355	1898	3227	4521	2013	2820	1549	2170	380	532	766	1073	806	1129
Delaware	28246	39570	15304	21439	2096	2936	4520	6332	1988	2785	2373	3324	773	1083	1084	1519	101	141
Des Moines	92975	130248	46648	65349	12006	16819	13583	19028	6375	8931	7206	10095	3150	4413	2806	3931	1185	1660
Dickinson	33986	47611	20698	28996	2653	3717	5900	8265	1470	2059	1316	1844	877	1229	984	1378	82	115
Dubuque	157676	220888	83316	116717	13680	19164	26254	36779	10946	15334	11181	15663	4855	6801	4548	6371	2864	4012
Emmet	26931	37728	13895	19465	2075	2907	4566	6396	2245	3145	1665	2332	624	874	873	1223	984	1378
Fayette	45910	64315	23318	32666	5193	7275	8308	11639	3017	4227	3005	4210	1109	1554	1311	1837	641	898

*OASDI: Old-Age, Survivors, and Disability Insurance Payments (usually called Social Security)

Table 4. Government Payments (in 1987 \$1,000s and adjusted to 1997 \$1,000s) to Individuals in Iowa's Counties, 1987 (continued).

County	Total		OASDI*		Other Retirement/ Disability Payments		Medicare		Other Medical Payments		Income Maintenance Benefit Payments		Unemployment Insurance Benefit Payments		Veterans Benefit Payments		Other Payments	
	1987\$	Adj to 1997\$	1987\$	Adj to 1997\$	1987\$	Adj to 1997\$	1987\$	Adj to 1997\$	1987\$	Adj to 1997\$	1987\$	Adj to 1997\$	1987\$	Adj to 1997\$	1987\$	Adj to 1997\$	1987\$	Adj to 1997\$
Floyd	38732	54259	21911	30695	2426	3399	6317	8849	2815	3944	2732	3827	1145	1604	1283	1797	97	136
Franklin	23878	33451	13679	19163	1698	2379	4167	5838	1532	2146	1140	1597	925	1296	668	936	65	91
Fremont	19615	27479	10178	14258	1807	2531	3984	5581	1514	2121	1259	1764	244	342	579	811	0	0
Greene	24121	33791	15257	21373	1621	2271	3562	4990	1200	1681	1158	1622	479	671	781	1094	59	83
Grundy	24217	33925	14556	20391	1901	2663	4582	6419	1212	1698	786	1101	474	664	633	887	69	97
Guthrie	26816	37566	15258	21375	1918	2687	4429	6205	2256	3160	1525	2136	474	664	890	1247	62	87
Hamilton	34213	47929	18876	26443	2723	3815	6947	9732	1959	2744	1869	2618	757	1060	985	1380	91	127
Hancock	23234	32548	14200	19893	1650	2311	3642	5102	1334	1869	989	1385	417	584	479	671	519	727
Hardin	45981	64415	27022	37855	2984	4180	7395	10360	2518	3527	2082	2917	1633	2288	1162	1628	1178	1650
Harrison	34264	48000	16495	23108	3657	5123	6956	9745	3256	4561	2105	2949	497	696	1210	1695	82	115
Henry	35950	50362	20641	28916	3376	4729	5721	8015	2172	3043	1649	2310	1012	1418	816	1143	556	779
Howard	19394	27169	10938	15323	1230	1723	3710	5197	1264	1771	1183	1657	370	518	638	894	57	80
Humboldt	24253	33976	14766	20686	1545	2164	4036	5654	1732	2426	1137	1593	413	579	559	783	61	85
Ida	16596	23249	9250	12958	1330	1863	3370	4721	1269	1778	720	1009	207	290	401	562	0	0
Iowa	26833	37590	15813	22152	2147	3008	4998	7002	1497	2097	980	1373	488	684	822	1152	82	115
Jackson	40582	56851	20102	28161	4474	6268	7299	10225	2919	4089	3361	4708	1133	1587	1174	1645	113	158
Jasper	68045	95324	37708	52825	5554	7781	11899	16669	5102	7147	3936	5514	1538	2155	2104	2947	190	266
Jefferson	29457	41266	15531	21757	2823	3955	4483	6280	2317	3246	2061	2887	1096	1535	753	1055	387	542
Johnson	101175	141736	47162	66069	16465	23066	13676	19159	4210	5898	5714	8005	2350	3292	3396	4757	8168	11443
Jones	32689	45794	18153	25430	2499	3501	5828	8164	2012	2819	2169	3039	814	1140	1100	1541	107	150
Keokuk	28180	39477	15592	21843	2115	2963	5235	7334	1958	2743	1629	2282	625	876	956	1339	66	92
Kossuth	36795	51546	21945	30743	2458	3443	6586	9226	2019	2828	1711	2397	875	1226	1088	1524	106	148
Lee	87252	122231	41542	58196	10722	15020	14154	19828	6820	9554	7015	9827	4064	5693	2565	3593	355	497
Linn	290080	406372	149738	209767	33103	46374	42619	59705	18939	26532	23493	32911	9568	13404	6704	9392	5916	8288
Louisa	20588	28842	10797	15125	2007	2812	3198	4480	1759	2464	1584	2219	519	727	656	919	64	90
Lucas	23461	32866	11353	15904	2701	3784	4462	6251	1801	2523	1792	2510	494	692	803	1125	52	73
Lyon	20457	28658	12643	17712	1250	1751	3626	5080	1174	1645	807	1131	224	314	662	927	67	94
Madison	24819	34769	13106	18360	2142	3001	4645	6507	2231	3125	1254	1757	593	831	776	1087	68	95
Mahaska	45918	64326	24134	33809	3947	5529	6476	9072	3992	5592	3477	4871	824	1154	1982	2777	1079	1512
Marion	61218	85760	29078	40735	11150	15620	9319	13055	3690	5169	3159	4425	937	1313	2308	3233	1567	2195
Marshall	82408	115445	44244	61981	6908	9677	10876	15236	4879	6835	5579	7816	2531	3546	6290	8812	1086	1521
Mills	56397	79006	12251	17162	3497	4899	4365	6115	33182	46485	2090	2928	272	381	665	932	71	99
Mitchell	23827	33379	14915	20894	1616	2264	3909	5476	1449	2030	872	1222	467	654	533	747	62	87

Table 4. Government Payments (in 1987 \$1,000s and adjusted to 1997 \$1,000s) to Individuals in Iowa's Counties, 1987 (continued).

County	Total		OASDI*		Other Retirement/ Disability Payments		Medicare		Other Medical Payments		Income Maintenance Benefit Payments		Unemployment Insurance Benefit Payments		Veterans Benefit Payments		Other Payments	
	1987\$	Adj to 1997\$	1987\$	Adj to 1997\$	1987\$	Adj to 1997\$	1987\$	Adj to 1997\$	1987\$	Adj to 1997\$	1987\$	Adj to 1997\$	1987\$	Adj to 1997\$	1987\$	Adj to 1997\$	1987\$	Adj to 1997\$
Monona	27547	38590	14081	19726	2358	3303	5486	7685	2293	3212	1738	2435	478	670	1051	1472	58	81
Monroe	22069	30916	9518	13334	3626	5080	3891	5451	1860	2606	1724	2415	511	716	891	1248	0	0
Montgomery	31047	43494	16778	23504	2620	3670	6289	8810	2352	3295	1610	2255	472	661	855	1198	67	94
Muscatine	70147	98269	37151	52045	7213	10105	10623	14882	4355	6101	6572	9207	2021	2831	1978	2771	219	307
O'Brien	32816	45972	19870	27836	1980	2774	5850	8195	1815	2543	1558	2183	603	845	818	1146	316	443
Osceola	14118	19778	9237	12940	729	1021	2290	3208	732	1025	497	696	211	296	378	530	0	0
Page	41677	58385	22428	31419	3404	4769	7492	10496	3706	5192	2730	3824	650	911	1164	1631	96	134
Palo Alto	24341	34099	14363	20121	1429	2002	4401	6165	1676	2348	1429	2002	321	450	656	919	62	87
Plymouth	41502	58140	24125	33797	2978	4172	7275	10192	2674	3746	1840	2578	756	1059	1187	1663	659	923
Pocahontas	22019	30846	13970	19571	1271	1781	3613	5061	1345	1884	865	1212	292	409	603	845	56	78
Polk	604175	846386	273620	383313	82354	115369	97204	136173	53211	74543	49584	69462	16671	23354	21212	29716	10319	14456
Pottawattamie	173231	242679	70647	98969	34950	48961	28299	39644	14220	19921	14092	19741	2909	4075	5528	7744	2554	3578
Poweshiek	34336	48101	19716	27620	3075	4308	6010	8419	1908	2673	1673	2344	699	979	747	1046	501	702
Ringgold	13418	18797	6802	9529	1000	1401	2209	3095	1565	2192	1029	1442	348	488	433	607	0	0
Sac	27730	38847	17131	23999	1731	2425	4847	6790	1406	1970	1133	1587	584	818	825	1156	69	97
Scott	286982	402032	120216	168410	55280	77442	40108	56187	21550	30189	30929	43328	7807	10937	5518	7730	5574	7809
Shelby	26790	37530	15208	21305	1752	2454	5424	7598	1579	2212	1341	1879	669	937	738	1034	75	105
Sioux	47156	66061	27659	38747	2571	3602	7902	11070	2913	4081	1896	2656	1063	1489	1268	1776	1873	2624
Story	102135	143080	47801	66964	14752	20666	13538	18965	4444	6226	4253	5958	1738	2435	2622	3673	12959	18154
Tama	37116	51996	21090	29545	2681	3756	6366	8918	2735	3831	2219	3109	952	1334	956	1339	99	139
Taylor	17678	24765	9851	13800	1223	1713	3331	4666	1170	1639	1170	1639	292	409	598	838	0	0
Union	31167	43662	14842	20792	3769	5280	5119	7171	2605	3649	2510	3516	793	1111	1006	1409	519	727
Van Buren	17505	24523	10021	14038	1193	1671	3404	4769	809	1133	1132	1586	510	714	391	548	0	0
Wapello	95817	134230	44637	62532	10976	15376	15520	21742	7990	11193	8800	12328	3083	4319	3605	5050	1192	1670
Warren	52526	73583	24775	34707	7420	10395	8236	11538	4430	6206	3057	4283	1557	2181	2218	3107	819	1147
Washington	38310	53668	22261	31185	2815	3944	6735	9435	2495	3495	1906	2670	1026	1437	958	1342	107	150
Wayne	19264	26987	9914	13888	1700	2382	3896	5458	1494	2093	1219	1708	359	503	638	894	0	0
Webster	95273	133468	50535	70794	8494	11899	14586	20433	6978	9775	7299	10225	2314	3242	2858	4004	2193	3072
Winnebago	25187	35284	15815	22155	1606	2250	4298	6021	1505	2108	948	1328	368	516	576	807	67	94
Winneshiek	34470	48289	18533	25963	2923	4095	5658	7926	1648	2309	1656	2320	1238	1734	1033	1447	1774	2485
Woodbury	219359	307299	101068	141586	23947	33547	37088	51956	23442	32840	18434	25824	5640	7901	5438	7618	4302	6027
Worth	17473	24478	9611	13464	2031	2845	2997	4198	1071	1500	886	1241	399	559	431	604	0	0
Wright	34695	48604	20507	28728	3251	4554	5458	7646	2238	3135	1600	2241	685	960	869	1217	81	113
State of Iowa	5522444	7736367	2790415	3909080	594567	832926	889631	1246280	459563	643800	388465	544199	141844	198709	163431	228950	94528	132424

At least \$100 million in OASDI payments were received in Black Hawk, Dubuque, Linn, Polk, Pottawattamie, Scott, and Woodbury in 1997. On the other hand, 21 counties reported payments of less than \$20 million, although Adams was the only one of these below \$10 million. While all counties had larger amounts in 1997 than in 1987, payments in 10 counties did not keep up with inflation.

Retirement payments other than OASDI totaled \$1.1 billion in 1997, less than one-fourth the amount from Social Security. These other retirement benefits grew nearly 26.1 percent from the 1987 figures after taking inflation into consideration (Tables 1, 4).

Medical Payments

Medical payments to individuals totaled \$3.0 billion in 1997, with more than half (58.0%, \$1.8 billion) related to Medicare and the remainder (\$1.3 billion) from other medical programs (Table 1). The two medical categories together accounted for 31.4 percent of government payments to individuals in Iowa in 1997. Ten years earlier, 24.4 percent of total transfer payments were from the two medical categories (Table 4). Thus, the percentage of total payments contributed by medical payments increased from 1987 to 1997 while it decreased for the retirement/disability payments. In addition, the two medical categories had the highest growth rates of any type of transfer payment, even after adjusting for inflation.

In 1997, Polk was the only county reporting at least \$100 million in either the Medicare or the other medical payment programs. Residents in Black Hawk, Linn, and Scott received at least \$50 million in each of them. All counties except Plymouth had larger amounts in both medical categories in 1997 than in 1987 and all but Plymouth kept pace with inflation in both of these programs.

The four categories of retirement/disability and medical payments to individuals accounted for \$8.6 billion (or 88.2 %) of the \$9.7 billion of total transfer payments in 1997. For each year reported, at least 85 percent of transfer payments statewide came from these four categories as did more than three-fourths of the transfer payments to any county (Tables 1-4).

Income Maintenance, Unemployment Insurance, Veterans Benefits, and Other Payments

Income maintenance benefit payments exceeded \$632 million in 1997; they represented 6.5 percent of total government payments to individuals that year. Payments of income maintenance benefits increased from \$388 million in 1987 to \$536 million in 1992 and \$647 million in 1996. The statewide percentage gain from 1987 to 1997 was 16.2 percent after inflation was taken into account.

As with previous categories, these payments were higher in counties with larger numbers of residents. Thirteen counties noted income maintenance payments of at least \$10 million in 1997, with Polk highest at \$81.5 million. Payments to residents of less than \$2 million occurred in 14 counties; Worth was lowest at \$1.1 million. The dollar increases between 1987 and 1997 exceeded the effects of inflation in 94 counties.

Unemployment insurance benefit payments increased by nearly \$43 million when 1987 (\$142 million) and 1997 (\$185 million) were compared, although the 1992 figure (\$271 million) was larger than either. Payments related to unemployment tend to change more dramatically than any of the other categories because they reflect annual changes in the economy. Although statewide unemployment benefits were higher in 1997 than in 1987, 11 counties received lower payments of this type in the later year. In only 42 counties did increases match inflation.

Benefit payments for veterans increased when 1987, 1992, and 1996 were compared, although they declined slightly to 1997; this category accounted for only 2.0 percent (\$190 million) of all transfer payments in 1997. Seventy-one counties had higher veteran benefits in 1997 than in 1987, but in only seven of these were payments larger after adjusting for inflation.

In each of the four years reported, the "other payments" category was the smallest, totaling \$140 million in 1997, an increase of \$45.9 million from 1987 (Tables 1-4). While Black Hawk, Polk, and Story each received more than \$10 million in 1997, 20 counties had less than \$200,000 in these payments.

In 1997, unemployment insurance benefit payments, benefit payments for veterans, and "other payments" generally varied across counties in manners similar to those for other payment categories. Some exceptions were evident. For example, Story County had an unusually high amount in the "other payment" category; that's because of federal education and training assistance payments that were received by residents. And Marshall County was relatively high on benefits for veterans, in part because of a facility located in that county. Usually, population size was the key, as counties with larger populations received higher totals in each category.

Note: Information on other categories of income received by individuals is reported in the previous section in this volume ("Personal Income in Iowa's Counties: 1987-1997").

Median Household Income in Iowa's Counties: 1979, 1989, 1993, and 1995

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The U.S. Bureau of the Census provides data on median household income in each decennial census. Estimates are released between censuses as well, with the most recent for 1995. Income is based on responses to questions on amounts reported separately for wage or salary income; net nonfarm self-employment income; net farm self-employment income; interest, dividend, or net rental or royalty income; Social Security or railroad retirement income; public assistance or welfare income; retirement or disability income; and all other income. It does not include money received from the sale of property (unless the recipient was engaged in the business of selling such property); the value of income "in kind" from food stamps, public housing subsidies, medical care, employer contributions for persons, and so on; withdrawal of bank deposits; money borrowed; tax refunds; exchange of money between relatives living in the same household; gifts and lump-sum inheritances, insurance payments, and other types of lump-sum receipts. Income of households includes the income of the householder and all other persons 15 years old and over in the household, whether related to the householder or not. Because many households consist of only one person, average household income usually is less than average family income.

Questions on money income are included in the decennial census. For the 1993 and 1995 estimates, statistical prediction models were developed by the census bureau that rely on administrative data derived from tax returns, data from the Bureau of Economic Analysis on personal and per capita income, decennial census counts, intercensal population estimates, and the March Current Population Survey conducted each year by the census bureau. As the bureau noted, the model-based 1993 and 1995 estimates are not directly comparable to the census results because the methods used to produce the medians differ substantially. Still, they are the only known updates for household income. Another note of caution is in order; the larger the population base for the estimates, generally the smaller the degree of error in calculating the estimate. That means that the figures for counties should be accepted with less confidence than those for the state and that medians for counties with relatively small populations are particularly susceptible to estimation problems. Finally, the state estimate was done in a manner that differed from what occurred with counties, which further complicates comparisons.

In 1995, median household income in Iowa was estimated to be \$33,436 (Table 1); that's the point at which half the households reported more income and half reported less. The 1995 median was nearly \$4,600 higher than that in 1993.

In 1995, medians varied from less than \$25,000 in six counties to more than \$40,000 in three others. The lowest figure was \$21,614 in Wayne, which had the lowest median for 1993 as well. Warren's median of \$42,736 exceeded those for all other counties in 1995; it also had the top figure in 1993.

The manners in which the 1993/1995 and the 1979/1989 medians were calculated differed greatly. Thus, it is not recommended that change between the estimates and the census figures be calculated. Change between either the 1993/1995 estimates alone or the 1979/1989 censuses alone can be examined, however, because they are based on the same methodology.

Table 1. Median Household Income in Iowa's Counties, 1979, 1989, 1993, and 1995.

County	1995 Estimate	1993 Estimate	1989 Census	1979 Census	County	1995 Estimate	1993 Estimate	1989 Census	1979 Census
Adair	27899	26691	21426	12527	Jefferson	29750	27396	22630	14162
Adams	24434	24002	20570	12844	Johnson	37157	35075	27862	16253
Allamakee	27185	25682	21098	13098	Jones	31395	29380	24480	16297
Appanoose	23969	22125	17833	11352	Keokuk	27921	26916	22234	13501
Audubon	27426	26097	21501	13722	Kossuth	30346	28834	23321	15373
Benton	35889	32310	25959	16742	Lee	32263	29498	24671	16590
Black Hawk	34518	30792	25683	19494	Linn	40431	37430	32137	20084
Boone	34616	31307	26110	16471	Louisa	33461	31010	25590	16674
Bremer	37083	33781	27326	18102	Lucas	26706	25975	21316	12073
Buchanan	31882	29538	23386	16066	Lyon	30873	29418	22676	14776
Buena Vista	32482	30452	25311	16222	Madison	34985	32025	26644	15591
Butler	31632	28590	23292	15698	Mahaska	31208	29110	23115	14245
Calhoun	29881	27319	22496	15036	Marion	37594	34431	27991	16549
Carroll	33148	30556	24391	16109	Marshall	35041	31868	28333	17856
Cass	27850	26433	21801	14136	Mills	33848	32703	27420	16417
Cedar	35369	33157	27713	17292	Mitchell	32654	30028	24519	14450
Cerro Gordo	32589	29544	25116	16443	Monona	26081	24572	20714	13438
Cherokee	30943	29305	22967	15609	Monroe	26529	24693	20745	13190
Chickasaw	32778	29992	24656	15541	Montgomery	28851	28055	23312	14830
Clarke	25786	24931	21735	12158	Muscatine	38840	35337	29786	18233
Clay	33304	30404	25028	16222	O'Brien	31280	28983	23125	14718
Clayton	28090	26009	21406	13356	Osceola	30758	27417	23037	15215
Clinton	32639	30156	25410	18516	Page	29966	27904	22050	13805
Crawford	30253	27634	22209	15633	Palo Alto	28228	25916	21223	14590
Dallas	40351	35297	28874	18661	Plymouth	35550	32348	26796	15889
Davis	27195	25441	20054	13015	Pocahontas	30050	28418	23517	14611
Decatur	22144	21644	18105	11074	Polk	39325	37349	31221	18849
Delaware	31773	30754	25757	15991	Pottawattamie	33155	30027	26639	16930
Des Moines	34090	31434	26536	17252	Poweshiek	34068	31505	26063	15566
Dickinson	33779	30197	25211	16032	Ringgold	22860	23324	20761	10011
Dubuque	36436	32804	28276	19396	Sac	27567	26555	21818	14781
Emmet	29615	27642	22790	16338	Scott	38830	35382	29979	20767
Fayette	27564	25945	21109	14815	Shelby	30501	28705	22702	15214
Floyd	30552	27607	23344	16031	Sioux	36248	33105	25692	16163
Franklin	31286	28342	23741	15365	Story	36318	34024	26668	17006
Fremont	29224	27316	22948	13201	Tama	32659	29251	24297	15448
Greene	30143	27427	22320	14464	Taylor	23191	21644	18641	11747
Grundy	36636	32818	26314	18006	Union	26726	25378	21550	13661
Guthrie	30012	27608	23356	13352	Van Buren	25266	23358	19244	11569
Hamilton	33266	30977	25847	16304	Wapello	27618	25577	21060	14915
Hancock	32083	29898	25445	15967	Warren	42736	39356	32452	20087
Hardin	31851	28282	23457	15541	Washington	33248	30894	25822	15043
Harrison	30068	27017	22258	13895	Wayne	21614	20627	17599	10828
Henry	33684	30906	24952	15662	Webster	31127	28431	23692	16369
Howard	28483	25401	21913	13795	Winnebago	30449	28800	23480	14873
Humboldt	33338	29915	24557	15843	Winneshiek	32200	29901	24383	13718
Ida	29832	28642	22859	13632	Woodbury	32959	29977	25186	16054
Iowa	35438	32728	26579	17063	Worth	29919	27230	22902	15617
Jackson	28890	27262	22487	16308	Wright	31940	28814	24582	15633
Jasper	37869	34352	28702	16986					
					State of Iowa	33436	28867	26229	16799

Poverty (Total, Youth) in Iowa's Counties: 1989, 1993, and 1995

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In 1999, the U.S. Bureau of the Census released estimates of poverty in counties as of 1995. Similar information was provided for 1993 previously. These estimates were based on administrative data available at the federal level: income tax returns; food stamps, supplemental security income, and aid to families with dependent children; and regional income estimates. A formula taking these and other factors into account was used to generate the county estimates. The new estimates included information on poverty among youth as well as the total population. Data also are included in this section from the 1990 decennial census, which reported on poverty for the calendar year 1989. The manners in which the 1993/1995 and the 1989 figures were calculated differed greatly. Thus, it is not recommended that change be calculated between the estimates and the census.

Poverty status was determined by comparing a person's or family's income for the calendar year before the census is taken to national poverty thresholds. An individual or family with income below the threshold was classified as below the poverty level. Everyone in a particular family was given the same poverty status. Income levels for determining poverty status are provided by the U.S. Department of Health and Human Services between censuses; they are adjusted for family size. For a one-person unit, the poverty threshold was \$7,763 in 1995; it was \$9,933 for a two-person unit, \$12,158 for a three-person unit, and \$15,569 for a four-person unit. For a unit of eight persons, the guideline was \$26,237. For comparative purposes, the poverty thresholds for one-person units were \$ 6,970 in 1993 and \$6,310 in 1989; they were \$14,350 and \$12,674 for four-person units in 1993 and 1989, respectively.

Poverty in Iowa in 1995

The bureau's estimate suggests that about 276,000 Iowans were classified as poor in 1995 (Table 1). According to the 1995 estimates, percentages in poverty ranged from less than 10 in 49 counties to more than 15 in 5 others. Only Decatur was estimated to have at least 1 of every 5 residents in poverty that year (Figure 1). Fewer than 1,000 residents were estimated to be poor in 12 counties. In Adair, Adams, Audubon, Fremont, and Ringgold, however, these relatively low numbers in poverty translated to percentages higher than the state's 9.8 percent in poverty. That occurred because these counties have relatively low total populations. Numbers in poverty exceeded 10,000 in Black Hawk, Linn, Polk, Scott, and Woodbury. In Linn and Polk, percentages in poverty were below the state's figure, however.

Among the population under 18 years of age, nine counties had fewer than 300 in poverty, while six had more than 3,000 (Table 1). Percentages of youth in poverty ranged from less than 10 in 10 counties to more than 20 percent in 7 others (Figure 2). According to the estimates, more than 1 of every 4 youths in Appanoose and Decatur lived in poverty in 1995. For the state, 13.7 percent of those 17 or younger were in poverty, which was a level substantially above that for the total population. Indeed, those in poverty under the age of 18 accounted for more than a third (36.8%) of all people in poverty in 1995.

In addition to numbers of youth in poverty, the census bureau also provided information on the school-aged population—those 5 through 17 years of age (Table 1). For the state as a whole, 11.5 percent of those in the 5-17 age category were poor in 1995. Polk was the only county with more than 5,000 school-aged children in poverty, although percentages were highest in Appanoose, Decatur, and Wayne, where more than 1 of every 5 children 5-17 years of age lived in poverty in 1995.

Table 1. Numbers and Percentages of Total Persons and Persons 17 or Younger in Poverty in Iowa's Counties, 1989 (census), 1993 (estimate), and 1995 (estimate).

County	Total Persons in Poverty						Persons 17 or Younger in Poverty						Persons 5-17 in Poverty					
	Number			Percentage			Number			Percentage			Number			Percentage		
	1995	1993	1989	1995	1993	1989	1995	1993	1989	1995	1993	1989	1995	1993	1989	1995	1993	1989
Adair	877	1014	1103	10.6	12.1	13.4	296	382	549	14.1	16.3	18.3	184	229	252	11.8	14.6	16.4
Adams	639	706	796	14.3	15.4	16.8	213	279	261	19.6	20.6	23.9	121	147	154	15.6	18.6	19.0
Allamakee	1527	1683	1794	10.9	12.1	13.2	512	516	865	13.2	14.7	13.6	323	389	389	11.3	13.7	14.0
Appanoose	2421	2605	2735	17.7	19.0	20.4	860	959	960	25.2	26.9	28.5	559	629	657	21.8	24.4	26.1
Audubon	724	790	859	10.6	11.4	12.1	249	301	474	14.4	15.1	16.3	160	188	239	12.6	14.5	17.7
Benton	1946	2276	2502	7.8	9.5	11.4	744	890	1015	10.9	13.1	14.8	456	551	593	9.1	11.6	13.5
Black Hawk	14088	17131	17932	11.8	14.1	15.3	5789	6001	4406	18.5	20.4	19.6	3592	4102	3851	15.5	17.6	17.1
Boone	1937	2288	2119	7.6	9.2	8.8	681	690	660	10.7	12.7	11.4	404	486	444	8.7	10.8	10.1
Bremer	1597	1866	1962	7.1	8.4	9.2	544	626	548	9.3	10.4	11.0	328	389	407	7.4	8.8	9.4
Buchanan	2454	2794	3395	11.5	13.1	16.7	1082	1443	1112	16.5	18.0	22.8	655	776	913	13.4	15.9	19.4
Buena Vista	1701	1878	1633	9.0	9.7	8.7	593	533	482	11.5	12.0	10.6	358	405	360	9.5	10.7	9.9
Butler	1411	1544	1649	8.9	9.7	10.7	499	509	517	11.9	12.4	12.4	306	337	334	9.6	10.6	10.7
Calhoun	1131	1262	1317	10.2	11.1	11.9	379	420	439	13.5	14.0	14.8	235	269	291	11.2	12.5	13.6
Carroll	1874	2113	2220	8.6	9.7	10.6	693	705	751	10.6	11.5	11.2	428	490	483	8.9	10.3	10.5
Cass	1697	1795	1693	11.4	11.9	11.5	623	617	608	16.2	16.2	15.9	400	421	422	13.8	14.4	14.4
Cedar	1426	1638	1751	7.9	9.2	10.2	510	603	704	10.7	12.7	13.1	312	382	395	8.7	10.8	11.3
Cerro Gordo	4192	4791	4050	9.0	10.3	8.9	1407	1202	1285	12.2	13.4	10.6	853	955	745	10.1	11.4	9.1
Cherokee	1188	1310	1528	8.8	9.5	11.2	436	540	568	11.9	12.1	14.4	262	293	331	9.5	10.4	11.8
Chickasaw	1153	1276	1402	8.5	9.4	10.7	397	430	606	10.3	11.2	11.5	252	291	320	8.7	10.1	11.3
Clarke	1131	1226	1122	13.5	14.8	13.7	418	445	542	19.1	20.3	20.6	264	293	291	16.2	18.3	18.3
Clay	1462	1742	1722	8.2	9.7	10.0	528	571	514	10.9	12.4	11.7	332	395	394	9.3	11.0	10.9
Clayton	1917	2244	2696	10.1	11.8	14.4	696	890	1033	13.2	14.9	16.9	405	515	561	10.2	13.1	14.3
Clinton	5367	6068	5411	10.6	11.8	10.8	1994	1883	1528	14.7	16.0	13.9	1238	1398	1225	12.3	13.8	12.3
Crawford	2060	2166	2606	12.4	13.0	15.9	774	935	755	16.8	17.2	20.3	474	517	592	14.0	15.5	17.8
Dallas	2142	2539	2222	6.1	7.8	7.6	794	680	720	8.2	9.7	8.3	471	535	412	6.5	8.0	6.8
Davis	1172	1246	1440	13.9	14.7	17.8	464	625	794	20.1	20.8	27.4	287	319	381	17.0	18.9	22.9
Decatur	1531	1597	1598	20.1	21.1	21.0	486	501	524	25.3	25.9	26.0	312	335	334	22.1	24.3	23.7
Delaware	2037	2229	2272	10.9	12.0	12.8	819	905	1113	14.5	15.6	16.3	487	566	557	11.5	13.5	13.5
Des Moines	4606	5069	4748	10.7	11.7	11.3	1848	1933	1244	16.8	17.7	17.7	1137	1256	1222	14.0	15.4	15.3
Dickinson	1243	1297	1338	7.8	8.3	9.2	420	439	418	11.3	11.3	12.8	264	269	301	9.4	9.9	11.6
Dubuque	7543	8901	8528	8.6	10.2	10.3	2820	2988	2664	11.7	13.4	12.8	1663	1995	1852	9.3	11.3	10.8
Emmet	1178	1387	1447	10.8	12.4	13.0	429	479	624	14.7	16.6	16.1	262	318	296	11.8	14.1	13.2
Fayette	2634	2957	3020	12.0	13.5	14.2	963	1044	853	16.4	18.0	18.0	609	702	714	14.1	16.3	16.7
Floyd	1847	2120	2200	11.2	12.7	13.3	681	718	524	16.1	17.6	16.7	453	505	499	14.5	16.0	15.9
Franklin	1069	1223	1259	9.6	11.0	11.3	368	376	559	12.9	14.4	13.2	230	274	268	10.8	12.9	12.7
Fremont	878	998	972	11.1	12.2	12.2	307	319	583	15.0	15.4	15.1	197	225	243	12.5	14.0	15.1
Greene	1030	1122	1203	10.1	11.0	12.2	373	450	554	15.0	15.5	18.4	239	260	318	12.9	14.1	17.6
Grundy	778	907	980	6.3	7.4	8.3	267	307	287	8.4	9.7	10.1	163	193	204	6.8	8.3	9.0
Guthrie	1164	1307	1195	10.2	11.6	11.2	375	330	561	13.2	14.6	12.3	245	272	239	11.2	12.7	11.7
Hamilton	1229	1523	1296	7.6	9.4	8.2	414	367	566	10.0	11.8	9.2	252	305	224	8.2	9.9	7.7
Hancock	1034	1215	1099	8.4	10.0	8.9	388	385	344	11.2	12.9	10.9	241	283	244	9.3	11.0	9.3
Hardin	1915	2132	1961	10.4	11.6	10.8	649	572	763	14.4	15.1	12.7	406	426	343	12.0	12.5	10.1
Harrison	1710	1884	1975	11.2	12.6	13.8	626	683	864	15.2	16.3	17.6	391	434	460	12.8	14.5	16.1
Henry	1789	1971	1784	9.5	10.5	10.1	620	596	472	12.4	12.9	12.6	358	386	322	9.6	10.5	9.3
Howard	1163	1265	1321	11.9	12.9	13.8	384	384	591	14.7	15.4	14.9	229	272	260	11.7	13.9	13.7
Humboldt	813	961	933	7.7	9.1	8.8	286	344	349	10.6	12.0	12.6	182	218	249	9.1	10.9	12.3
Ida	766	821	945	9.5	9.8	11.6	270	293	410	11.8	12.0	12.4	167	188	198	10.0	10.9	11.6
Iowa	1016	1088	1176	6.5	7.2	8.2	336	345	422	8.5	9.0	9.2	205	225	236	7.2	8.1	8.8
Jackson	2394	2651	2811	11.7	13.0	14.3	854	909	1151	14.9	16.5	16.3	564	637	661	13.2	15.0	16.0
Jasper	2437	2938	2367	6.9	8.3	7.0	841	732	1128	9.3	10.9	8.4	485	565	403	7.3	8.6	6.3

Table 1. Numbers and Percentages of Total Persons and Persons 17 or Younger in Poverty in Iowa's Counties, 1989 (census), 1993 (estimate), and 1995 (estimate) (continued).

County	Total Persons in Poverty						Persons 17 or Younger in Poverty						Persons 5-17 in Poverty					
	Number			Percentage			Number			Percentage			Number			Percentage		
	1995	1993	1989	1995	1993	1989	1995	1993	1989	1995	1993	1989	1995	1993	1989	1995	1993	1989
Jefferson	2086	2307	2115	12.8	14.2	13.9	655	613	483	15.9	17.4	15.5	402	444	354	13.3	14.8	12.2
Johnson	8979	9185	14899	9.5	9.7	17.1	2041	2066	1367	9.8	10.4	10.8	1171	1241	1121	8.3	8.9	8.7
Jones	1907	2132	2043	9.9	11.3	11.5	673	686	680	13.0	14.2	13.9	434	475	477	11.3	12.6	13.0
Keokuk	1395	1496	1490	12.0	12.9	13.1	493	514	500	16.4	17.0	17.2	313	352	380	13.8	15.6	17.0
Kossuth	1754	2045	1997	9.7	11.2	11.0	639	646	918	12.7	13.7	12.5	414	484	509	10.8	12.6	13.1
Lee	4422	5047	4783	11.6	13.1	12.9	1708	1840	1376	17.0	18.6	18.8	1062	1211	1190	14.3	16.3	16.5
Linn	14078	16551	14186	7.8	9.3	8.6	5128	4504	3783	11.2	12.9	10.7	3093	3556	2778	9.4	11.1	9.3
Louisa	1212	1382	1328	10.0	11.6	11.7	439	404	570	13.3	14.8	13.1	260	303	250	10.5	12.5	10.9
Lucas	1206	1218	1156	13.3	13.4	13.1	384	365	551	17.2	16.9	16.5	249	251	247	14.8	15.0	15.0
Lyon	1131	1185	1564	9.4	9.8	13.3	465	621	599	12.7	12.8	17.1	284	315	426	10.5	11.7	15.9
Madison	1150	1248	1354	8.4	9.5	11.1	428	562	483	11.3	12.5	16.8	275	300	395	9.6	11.0	15.8
Mahaska	2322	2645	2718	10.7	12.2	13.0	807	847	905	14.0	15.7	15.3	475	561	494	11.3	13.5	12.4
Marion	2513	2750	2762	8.4	9.4	10.0	910	922	949	11.1	12.0	12.1	579	628	648	9.5	10.6	11.4
Marshall	3626	4116	3188	9.5	10.8	8.7	1307	1089	1114	13.4	14.9	11.5	797	904	693	10.9	12.6	9.9
Mills	1260	1345	1270	9.1	10.1	10.2	473	408	409	12.2	12.7	11.5	302	300	262	10.1	10.6	9.7
Mitchell	944	1044	1092	8.6	9.5	10.3	343	380	484	11.8	12.3	13.4	213	239	259	9.8	10.9	12.2
Monona	1293	1394	1436	13.0	13.9	14.8	461	531	555	18.8	19.2	21.4	309	328	396	16.6	17.6	21.2
Monroe	1159	1255	1235	14.3	15.3	15.6	408	447	461	19.5	20.6	21.7	269	295	311	17.0	18.6	20.2
Montgomery	1304	1302	1188	11.0	10.9	10.1	440	368	409	14.9	14.0	12.4	284	277	265	12.8	12.5	11.9
Muscatine	4335	4450	3967	10.4	10.7	10.1	1741	1612	1299	14.8	15.2	14.6	1074	1118	971	12.5	13.1	12.0
O'Brien	1305	1462	1815	8.7	9.5	12.1	486	623	417	11.9	12.4	15.1	308	349	449	10.0	11.3	14.5
Osceola	604	656	699	8.5	9.1	9.8	239	279	291	12.4	12.4	14.0	157	170	215	10.8	11.7	14.6
Page	1902	2069	2222	11.6	12.6	13.8	667	779	515	16.0	16.7	18.8	439	467	549	13.8	14.8	17.5
Palo Alto	1139	1344	1582	11.3	12.9	15.3	419	560	521	15.5	17.0	20.2	269	324	395	13.0	15.3	18.8
Plymouth	1677	1834	2045	6.8	7.6	9.0	604	649	1083	8.4	9.0	9.7	379	430	500	7.0	8.1	10.1
Pocahontas	846	971	969	9.4	10.6	10.4	306	351	477	13.1	13.9	14.3	196	224	250	11.4	12.8	13.8
Polk	30617	36018	29364	8.6	10.3	9.2	11874	10140	8802	13.3	15.7	12.6	6944	7876	6049	11.1	13.0	10.9
Pottawattamie	9250	10601	8524	10.8	12.5	10.5	3794	3269	3275	16.3	18.3	14.7	2317	2640	1978	13.8	16.1	12.4
Poweshiek	1612	1797	1839	8.9	9.9	10.4	553	588	696	11.7	12.5	12.7	359	387	416	10.2	11.0	12.0
Ringgold	852	910	906	15.9	17.1	17.2	270	293	464	21.1	22.3	22.6	175	198	209	17.8	20.3	20.8
Sac	1270	1334	1419	10.6	10.9	11.8	466	502	523	14.7	14.4	15.5	303	309	347	12.7	12.8	14.4
Scott	18285	19987	17914	11.6	12.7	12.1	7787	7096	4688	17.6	19.2	17.1	4646	5049	4087	14.6	16.2	13.8
Shelby	1182	1340	1205	9.0	10.2	9.4	422	401	731	11.7	12.9	11.1	265	308	277	9.7	11.2	10.2
Sioux	2094	2119	2240	7.0	7.1	8.1	787	803	1224	8.4	8.3	9.0	466	504	537	6.7	7.3	8.2
Story	6425	6896	10515	9.6	10.4	16.5	1507	1583	1271	9.8	10.3	10.9	876	915	839	8.2	8.7	8.3
Tama	1564	1878	1789	8.9	10.5	10.6	537	515	652	11.8	13.4	11.7	347	398	351	10.3	11.8	10.8
Taylor	1086	1140	1265	15.2	16.0	18.3	370	425	510	20.2	20.9	23.6	240	262	291	17.1	18.7	21.3
Union	1686	1788	1930	13.3	14.2	15.5	631	714	506	19.2	19.7	21.8	434	446	538	17.4	18.1	21.7
Van Buren	1024	1091	1271	13.0	13.8	16.8	377	476	569	18.4	19.0	24.2	245	265	323	16.5	18.0	23.0
Wapello	5030	5492	5344	14.0	15.1	15.3	1793	1825	1370	20.7	21.3	21.5	1176	1248	1259	18.6	19.6	20.6
Warren	2330	2770	2174	6.0	7.3	6.3	856	705	759	7.7	9.0	7.0	541	599	451	6.5	7.4	6.0
Washington	1880	1975	1797	9.1	9.8	9.5	729	676	1039	13.1	13.5	13.3	455	497	484	11.3	12.6	13.2
Wayne	1142	1160	1323	16.6	16.7	19.1	369	432	435	22.8	22.3	26.6	242	255	318	20.4	21.6	27.2
Webster	4649	5234	4600	12.1	13.3	11.8	1760	1719	1509	17.4	18.5	16.6	1118	1242	1142	15.3	16.8	15.6
Winnebago	1018	1119	1346	8.7	9.6	11.7	347	432	262	11.2	11.6	14.1	201	215	227	8.9	9.6	10.0
Winneshiek	1873	2142	2477	9.7	11.1	13.2	597	754	1014	11.5	12.9	14.7	380	446	525	10.0	11.8	14.2
Woodbury	10996	13309	12858	10.7	13.0	13.4	4557	4932	4333	15.8	18.9	18.4	2729	3375	3088	13.1	16.4	16.0
Worth	661	805	777	8.3	10.2	9.9	214	208	269	11.0	12.8	10.6	144	173	170	9.8	11.9	11.6
Wright	1251	1492	1353	8.7	10.4	9.7	430	433	542	12.2	14.0	12.5	271	320	293	10.5	12.6	11.7
State of Iowa	276364	312380	307420	9.8	11.1	11.5	101690	101661	96906	13.7	15.1	14.3	62281	70282	65066	11.5	13.1	12.6

Note: See a section on "Poverty in Iowa's Counties: 1969, 1979, 1989, and 1993" in the 1997 edition of this volume for additional information on poverty for the total population.

Figure 1. Estimated percent of the total population in poverty, 1995.

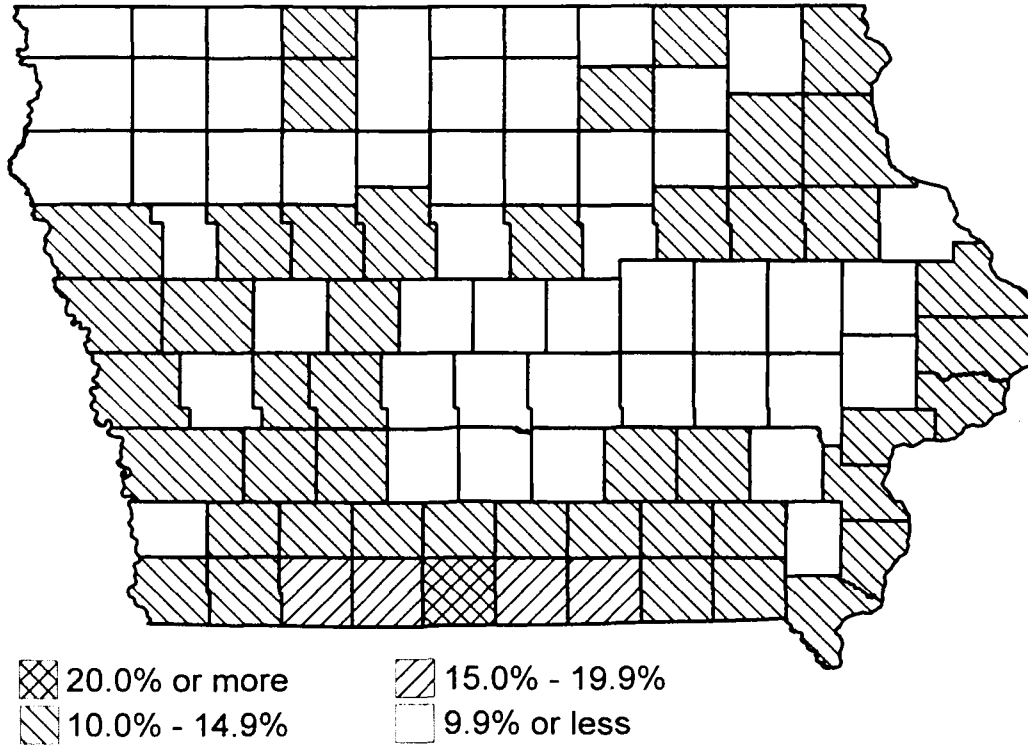
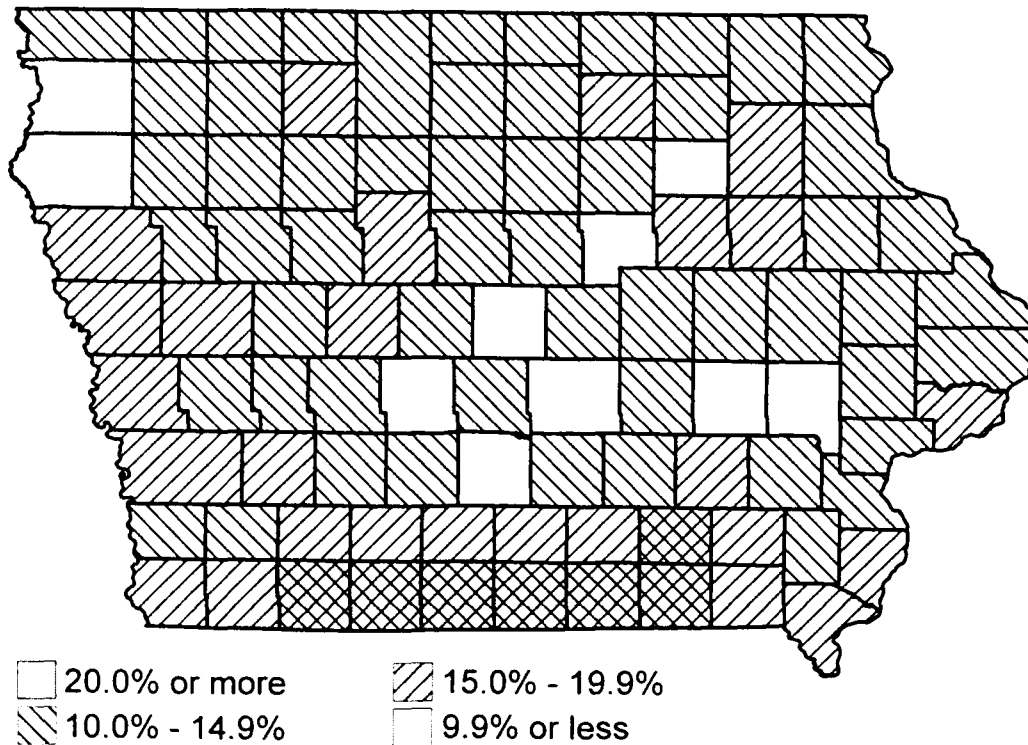


Figure 2. Estimated percent of the population under age 18 in poverty, 1995.



State Personal Income Tax in Iowa's Counties: 1987, 1992, 1996, and 1997

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Each year, individuals file personal income tax returns with the State of Iowa. The Iowa Department of Revenue and Finance summarizes some of the information provided on tax returns and reports it for the state and its counties. In this section, details on the number of returns and the credits claimed are noted along with adjusted gross income, net taxable income, and tax paid. Four points in an 11-year period were selected for examination: 1987, 1992, 1996, and 1997. The 1997 data, which were filed in 1998, are the most recent that are available. In the analysis that follows, discussion will be limited to returns filed by residents of Iowa. Information for nonresident returns is included at the end of each table as well as data on the total returns (returns from Iowa residents plus returns from nonresidents).

Returns and Credits

In 1997, nearly 1,643,000 returns were received from Iowans (Table 1), while about 1,615,000 were filed in 1996. In 1992, 1,601,000 were submitted (Table 3); the 1987 figure was 1,535,000 (Table 4). Credits claimed on returns, which represent those for filers, spouses, and dependents, increased from 1987 to 1997 as well.

The number of returns varied substantially across Iowa's counties, with population size the primary cause of differences. Polk had nearly 214,000 returns in 1997; Linn's 112,000 was the only other county with at least 100,000 returns. Black Hawk, Dubuque, Johnson, Scott, and Woodbury had at least 50,000 tax returns filed that year. More than half (54) of the counties reported fewer than 10,000 returns, with Adams and Ringgold below 3,000.

Returns from Iowa residents increased by nearly 108,000 when 1987 and 1997 were compared. Higher numbers of returns occurred in 1997 than in 1987 in two-thirds (65) of Iowa's 99 counties as well. Gains between 1987 and 1997 exceeded 10,000 returns in Linn and Polk. Another 18 counties reported increases of 1,000 to 9,999 returns. No county decreased by at least 1,000 among the 34 counties with fewer tax returns in 1997 than in 1987; only Kossuth and Pocahontas declined by at least 500 returns. Claims of personal credits dropped in 42 counties in this period; this trend was even more pronounced for the dependent credits, which were lower in 62 counties in 1997 than 10 years earlier.

Income and Tax Paid

On personal income tax forms for the state, income first is requested in a variety of categories. Then adjustments are allowed (for example, certain types of retirement savings, health insurance, alimony, moving expenses) for those qualified, the sum of which is subtracted from gross income. The result of these calculations generally is called adjusted gross income, which totaled \$43.9 billion on state tax forms returned by Iowa filers for 1997. This represented an increase of \$17.4 billion from the 1987 figure of \$26.5 billion. When inflation was taken into account, however, the \$6.8 billion change from 1987 (\$37.1 billion when adjusted to 1997 dollars) to 1997 (\$43.9 billion) reflected substantially smaller real growth in adjusted gross income.

Table 1. Personal Income Tax for 1997 (Filed in 1998) in Iowa's Counties.

County	Number of Returns	Adjusted Gross Income (in \$1,000s)	Net Taxable Income (in \$1,000s)	Tax Paid (in \$1,000s)	Person Credits	Dependent Credits
Adair	4643	95782	73199	3580	6796	2119
Adams	2441	45113	35085	1658	3601	1140
Allamakee	8096	155073	117965	5069	11386	4143
Appanoose	7027	134045	102828	4905	10096	3400
Audubon	3857	74156	57105	2767	5689	1908
Benton	14191	344137	262449	14163	18837	6972
Black Hawk	68040	1872576	1394246	79718	90777	31513
Boone	14680	364100	274031	14860	19868	6759
Bremer	13959	358773	270544	14862	18599	6690
Buchanan	11399	272898	209402	11352	15434	6371
Buena Vista	11325	264337	200582	10492	15978	6162
Butler	9128	195087	150685	7637	12780	4277
Calhoun	6572	137494	104391	5256	9512	2984
Carroll	13510	303631	228964	11929	18225	6974
Cass	8742	181978	137118	6879	12645	4108
Cedar	10799	277808	213393	12120	14590	4931
Cerro Gordo	26807	670693	504229	27669	36468	12096
Cherokee	7969	173124	133800	6865	11118	3747
Chickasaw	7977	171497	131474	6608	10887	4052
Clarke	4855	95484	73679	3525	6757	2391
Clay	10970	260656	197742	10548	14713	5068
Clayton	10779	212256	161211	7365	15085	5380
Clinton	28274	679079	514908	27487	38457	13801
Crawford	9607	189736	145593	7126	13218	4839
Dallas	21988	668730	488299	28442	28480	11422
Davis	4201	83772	64799	3183	6034	2337
Decatur	3841	68363	52059	2268	5668	2040
Delaware	10558	220954	168886	8485	14242	6058
Des Moines	24172	637598	481698	26487	33078	11380
Dickinson	10399	276753	202552	11022	14258	4012
Dubuque	52198	1378715	1018864	55959	68233	26389
Emmet	6315	137391	104418	4988	8802	3026
Fayette	12071	245044	189147	9315	16972	6189
Floyd	9742	211344	160312	8138	13451	4646
Franklin	6324	140126	106811	5649	9001	2981
Fremont	4377	95076	73619	3314	6235	2115
Greene	6083	131188	99618	5042	8785	2977
Grundy	7261	179612	137369	7412	10094	3378
Guthrie	6549	145866	110364	5731	9344	2953
Hamilton	9738	242137	181438	9960	13416	4521
Hancock	7119	147994	114474	5709	9810	3495
Hardin	11306	253440	193898	10203	15935	5008
Harrison	8216	188005	141899	5685	11313	4116
Henry	11195	263893	200969	10505	15141	5371
Howard	5968	117735	90027	4073	8473	3147
Humboldt	6435	152792	117072	6360	9034	3057
Ida	4648	103086	77578	4018	6578	2306
Iowa	9656	291690	220721	11928	13012	4586
Jackson	11557	238805	182977	9073	16088	5785
Jasper	21470	558269	420344	23079	28829	9816

Table 1. Personal Income Tax for 1997 (Filed in 1998) in Iowa's Counties (continued).

County	Number of Returns	Adjusted Gross Income (in \$1,000s)	Net Taxable Income (in \$1,000s)	Tax Paid (in \$1,000s)	Person Credits	Dependent Credits
Jefferson	8613	287259	207220	12231	11782	4035
Johnson	56367	1881518	1391460	79347	70103	22745
Jones	11097	251652	192101	10051	15041	5223
Keokuk	6542	129878	99632	4900	9379	3220
Kossuth	10360	214695	162232	8010	14504	5127
Lee	21054	501877	381530	20006	28976	10324
Linn	111521	3442689	2524067	148483	144082	50531
Louisa	6547	152296	117712	6078	8982	3662
Lucas	4810	115574	87275	4956	6890	2358
Lyon	6971	141578	108652	5216	9630	3810
Madison	7767	183591	138703	7303	10509	3897
Mahaska	12258	281124	213525	11159	16708	6030
Marion	18384	464829	348040	18770	24471	8985
Marshall	22669	571446	432995	23435	30918	11323
Mills	7320	185454	138192	5624	9784	3694
Mitchell	6383	140552	107538	5393	9011	3110
Monona	5512	117897	89994	4550	7988	2502
Monroe	4251	85678	66612	3266	6150	2171
Montgomery	6834	147499	112261	5569	9838	3204
Muscatine	23900	666932	499790	28390	31760	12200
O'Brien	9406	203360	154200	7684	13212	4743
Osceola	3887	81011	62261	2892	5370	1954
Page	9187	213207	163170	8428	13052	4149
Palo Alto	5814	118339	90881	4549	8274	2833
Plymouth	14674	379372	281331	14736	19904	7966
Pocahontas	5054	108161	83001	4198	7285	2482
Polk	213516	7226125	5209366	312847	272687	96533
Pottawattamie	46978	1183459	868858	32375	63015	22947
Poweshiek	10904	263985	197321	10472	15011	4818
Ringgold	2762	49807	38102	1707	4267	1308
Sac	6906	146917	112758	5752	10060	3371
Scott	87377	2810247	2068767	123179	116664	43756
Shelby	7993	166140	126698	6108	11223	3835
Sioux	17722	442611	328810	18232	23724	10185
Story	39799	1183111	867660	50133	51310	16560
Tama	10222	223912	173077	8926	14463	4842
Taylor	3551	65583	51266	2389	5366	1774
Union	7121	145850	112166	5743	10001	3292
Van Buren	4189	79904	62095	2923	6040	2114
Wapello	19021	438968	330414	17415	26851	9074
Warren	22841	619594	461173	25401	29126	11443
Washington	12136	272444	205755	10594	16616	5870
Wayne	3485	64369	49722	2169	5370	1685
Webster	21979	534332	403682	21815	30419	10601
Winnebago	7407	158189	121205	5922	10222	3511
Winneshiek	11239	246787	186352	9400	15303	5556
Woodbury	56513	1521216	1118678	58215	75609	31170
Worth	4533	100757	77785	3961	6310	1989
Wright	8386	194696	148735	7942	11967	3898
IA Resident Returns	1642796	43914357	32669655	1789310	2207049	787346
Nonresident Returns	137988	14425035	9737963	88927	195641	70195
Total Returns	1780784	58339392	42407618	1878237	2402690	857541

Table 2. Personal Income Tax for 1996 (Filed in 1997) (in 1996 \$1,000s and in 1997 \$1,000s after accounting for inflation) in Iowa's Counties.

County	Number of Returns	Adjusted Gross Income (in \$1,000s)		Net Taxable Income (in \$1,000s)		Tax Paid (in \$1,000s)		Person Credits	Dependent Credits
		1996 \$s	1997 \$s	1996 \$s	1997 \$s	1996 \$s	1997 \$s		
Adair	4591	88471	90437	67613	69115	3216	3287	6786	2163
Adams	2443	42057	42991	32163	32878	1472	1505	3628	1156
Allamakee	7939	143062	146240	113090	115603	4663	4767	11171	4122
Appanoose	6798	120932	123619	92907	94971	4282	4377	9885	3381
Audubon	3811	68875	70405	52984	54161	2510	2566	5663	1856
Benton	13730	308204	315051	237368	242642	12384	12659	18215	6819
Black Hawk	66005	1709721	1747707	1270220	1298441	71179	72760	88634	30949
Boone	14501	340606	348173	258031	263764	13811	14118	19605	6828
Bremer	13746	329402	336720	249711	255259	13536	13837	18477	6813
Buchanan	11090	241173	246531	184535	188635	9580	9793	15212	6432
Buena Vista	11140	246698	252179	186494	190637	9581	9794	15778	6099
Butler	8987	179144	183124	138925	142012	6888	7041	12694	4328
Calhoun	6449	131259	134175	100988	103232	5095	5208	9379	2996
Carroll	13286	283139	289430	215182	219963	11050	11296	17972	7014
Cass	8609	172849	176689	130461	133360	6313	6453	12566	4153
Cedar	10592	238780	244085	183507	187584	9657	9872	14444	4923
Cerro Gordo	26436	622734	636570	465004	475335	24804	25355	36144	12143
Cherokee	7958	165077	168745	128002	130846	6458	6601	11171	3847
Chickasaw	7877	157375	160871	121810	124516	6032	6166	10801	4047
Clarke	4680	84370	86244	64865	66306	2996	3063	6573	2298
Clay	10744	239774	245101	180580	184592	9460	9670	14540	5073
Clayton	10560	195324	199664	147997	151285	6621	6768	14870	5415
Clinton	27687	639648	653859	486383	497189	25905	26481	37900	13793
Crawford	9542	186427	190569	143826	147021	7243	7404	13251	4955
Dallas	21223	605024	618466	444417	454291	25191	25751	27682	11255
Davis	4062	75760	77443	58233	59527	2793	2855	5926	2319
Decatur	3723	61473	62839	46882	47924	2019	2064	5489	2007
Delaware	10299	205127	209684	157289	160784	7795	7968	13920	6097
Des Moines	23987	592611	605777	450273	460277	24353	24894	32859	11450
Dickinson	10175	253554	259187	185422	189542	10010	10232	13989	3978
Dubuque	51274	1276029	1304379	941411	962327	51653	52801	67029	26252
Emmet	6276	128601	131458	98235	100418	4719	4824	8757	3021
Fayette	11910	228945	234032	177162	181098	8464	8652	16836	6261
Floyd	9631	201396	205870	154172	157597	7817	7991	13398	4648
Franklin	6290	137343	140394	104726	107053	5615	5740	8962	3022
Fremont	4353	88467	90433	68665	70191	3021	3088	6245	2138
Greene	5967	123075	125809	93617	95697	4713	4818	8656	2934
Grundy	7281	165762	169445	126993	129814	6755	6905	10181	3427
Guthrie	6524	135849	138867	103642	105945	5171	5286	9304	2925
Hamilton	9685	235475	240707	176879	180809	9587	9800	13419	4527
Hancock	6969	138524	141602	107334	109719	5221	5337	9745	3545
Hardin	11207	236299	241549	180995	185016	9221	9426	15852	5050
Harrison	8128	173569	177425	132074	135008	5239	5355	11285	4134
Henry	11008	246796	252279	188566	192755	9741	9957	14925	5379
Howard	5770	105608	107954	81380	83188	3622	3702	8371	3072
Humboldt	6329	141615	144761	109086	111510	5822	5951	8803	2960
Ida	4642	100599	102834	76722	78427	4082	4173	6604	2363
Iowa	9416	237849	243133	183129	187198	10491	10724	12785	4557
Jackson	11357	221773	226700	171152	174955	8367	8553	15769	5749
Jasper	21134	525740	537421	398353	407203	21740	22223	28358	9754

Table 2. Personal Income Tax for 1996 (Filed in 1997) (in 1996 \$1,000s and in 1997 \$1,000s after accounting for inflation) in Iowa's Counties (continued).

County	Number of Returns	Adjusted Gross Income (in \$1,000s)		Net Taxable Income (in \$1,000s)		Tax Paid (in \$1,000s)		Person Credits	Dependent Credits
		1996 \$s	1997 \$s	1996 \$s	1997 \$s	1996 \$s	1997 \$s		
Jefferson	8537	264493	270369	181475	185507	10668	10905	11672	4082
Johnson	55084	1655745	1692531	1203947	1230696	70490	72056	68538	22436
Jones	10937	230624	235748	176945	180876	9083	9285	14934	5252
Keokuk	6513	123885	126637	95909	98040	4641	4744	9391	3257
Kossuth	10238	205168	209726	155850	159313	7628	7797	14382	5229
Lee	20827	472120	482609	360595	368606	18911	19331	28743	10422
Linn	108845	3205579	3276799	2345144	2397247	136214	139240	140906	50351
Louisa	6480	141310	144450	109734	112172	5616	5741	8888	3644
Lucas	4664	104359	106678	78897	80650	4409	4507	6792	2299
Lyon	6808	131531	134453	101294	103544	4722	4827	9432	3835
Madison	7645	168836	172587	127913	130755	6594	6741	10421	3933
Mahaska	12015	261748	267563	199807	204246	10387	10618	16434	6008
Marion	17997	427394	436890	320778	327905	17066	17445	24131	9019
Marshall	22567	538488	550452	406992	416034	21621	22101	30869	11357
Mills	7160	169406	173170	127331	130160	5044	5156	9582	3620
Mitchell	6309	130036	132925	100628	102864	4920	5029	8918	3185
Monona	5447	110458	112912	84038	85905	4128	4220	7973	2547
Monroe	4143	78709	80458	60502	61846	2940	3005	6043	2160
Montgomery	6765	139658	142761	107329	109714	5325	5443	9770	3205
Muscatine	23463	612544	626153	462255	472525	25678	26248	31245	12256
O'Brien	9219	190448	194679	144955	148176	7302	7464	13056	4739
Osceola	3802	75585	77264	58233	59527	2671	2730	5262	1968
Page	9154	197281	201664	150841	154192	7629	7798	13106	4257
Palo Alto	5741	111034	113501	85391	87288	4148	4240	8303	2881
Plymouth	14368	347058	354769	259342	265104	13715	14020	19511	7880
Pocahontas	5006	101499	103754	79129	80887	3988	4077	7298	2492
Polk	210342	6579921	6726110	4737546	4842802	278758	284951	268875	95831
Pottawattamie	46561	1095268	1119602	806823	824748	28803	29443	62533	23033
Poweshiek	10703	245062	250507	185049	189160	9701	9917	14854	4876
Ringgold	2733	44703	45696	34289	35051	1502	1535	4248	1331
Sac	6778	136469	139501	104960	107292	5265	5382	9961	3378
Scott	85647	2570499	2627609	1883008	1924844	108032	110432	114589	43435
Shelby	7864	153714	157129	117465	120075	5474	5596	11125	3913
Sioux	17364	381625	390104	284501	290822	14695	15021	23278	10244
Story	39241	1089658	1113867	803819	821678	45823	46841	50683	16566
Tama	10162	209895	214558	161615	165206	8103	8283	14448	4958
Taylor	3548	57782	59066	44648	45640	1888	1930	5406	1813
Union	6969	132668	135616	101423	103676	4942	5052	9912	3244
Van Buren	4028	72431	74040	55814	57054	2577	2634	5917	2117
Wapello	18746	416396	425647	312219	319156	16372	16736	26545	9025
Warren	22388	571782	584485	426818	436301	22992	23503	28645	11330
Washington	11885	251908	257505	190821	195061	9602	9815	16368	5939
Wayne	3423	59487	60809	45305	46312	2041	2086	5364	1678
Webster	21465	497046	508089	372680	380960	19777	20216	29864	10570
Winnebago	7393	153781	157198	117780	120397	5789	5918	10238	3563
Winneshiek	11085	230508	235629	174805	178689	8672	8865	15214	5582
Woodbury	56103	1425117	1456779	1057547	1081043	54460	55670	75216	31211
Worth	4393	89084	91063	68966	70498	3300	3373	6147	1991
Wright	8357	179696	183688	137343	140394	7074	7231	12053	3983
IA Resident Returns	1614733	40417461	41315431	30079952	30748250	1619136	1655109	2177591	786352
Nonresident Returns	138745	14398517	14718414	10159218	10384929	86573	88496	197183	72209
Total Returns	1753478	54815978	56033846	40239170	41133179	1705709	1743605	2374774	858561

Table 3. Personal Income Tax for 1992 (Filed in 1993) (in 1992 \$1,000s and in 1997 \$1,000s after accounting for inflation) in Iowa's Counties.

County	Number of Returns	Adjusted Gross Income (in \$1,000s)		Net Taxable Income (in \$1,000s)		Tax Paid (in \$1,000s)		Person Credits	Dependent Credits
		1992 \$s	1997 \$s	1992 \$s	1997 \$s	1992 \$s	1997 \$s		
Adair	4501	75363	85949	58208	66384	2709	3090	6695	2067
Adams	2468	36796	41964	28360	32343	1237	1411	3675	1170
Allamakee	7996	127268	145144	96274	109797	4077	4650	11156	4194
Appanoose	6937	112924	128785	86498	98648	3996	4557	10159	3442
Audubon	3925	61148	69737	46512	53045	2110	2406	5833	1814
Benton	13085	246715	281369	190693	217478	9400	10720	17642	6536
Black Hawk	66831	1526424	1740828	1142585	1303074	62684	71489	89845	31733
Boone	14168	285235	325300	217276	247795	11067	12621	19280	6477
Bremer	14323	297134	338870	226405	258206	11814	13473	19238	7250
Buchanan	10965	212294	242113	162890	185770	8435	9620	15180	6440
Buena Vista	11514	216418	246816	163497	186462	8064	9197	16158	5956
Butler	9026	152545	173972	117308	133785	5584	6368	12837	4336
Calhoun	6909	116436	132791	87935	100287	4175	4761	10078	3283
Carroll	13242	244191	278490	183852	209676	9197	10489	17860	7172
Cass	8990	156492	178473	118350	134974	5624	6414	12829	4212
Cedar	10651	207080	236167	159419	181811	8079	9214	14544	5091
Cerro Gordo	26661	547801	624746	410893	468608	21249	24234	36259	11998
Cherokee	8271	150059	171137	114847	130979	5632	6423	11554	4142
Chickasaw	7962	136341	155492	105320	120113	5022	5727	10902	4079
Clarke	4703	76036	86716	58300	66489	2618	2986	6727	2343
Clay	10523	202657	231123	153862	175474	7850	8953	14310	5148
Clayton	10559	168287	191925	127613	145538	5606	6393	14799	5523
Clinton	28773	575967	656868	442547	504708	22616	25793	39320	14140
Crawford	9743	161040	183660	122246	139417	5714	6517	13468	5053
Dallas	19514	445373	507931	333220	380025	18009	20539	25786	10025
Davis	4233	68079	77641	52386	59744	2416	2755	6135	2345
Decatur	3672	55282	63047	42116	48032	1822	2078	5377	1884
Delaware	10215	179151	204315	136502	155675	6585	7510	13729	5957
Des Moines	24151	529595	603983	403917	460652	21409	24416	32985	11494
Dickinson	9804	206924	235989	152486	173904	7964	9083	13507	4002
Dubuque	51850	1195993	1363984	888619	1013436	49851	56853	67200	26701
Emmet	6485	112967	128835	85681	97716	4081	4654	8982	3213
Fayette	12241	205590	234468	157470	179589	7407	8447	17170	6296
Floyd	9992	181220	206674	137964	157343	6796	7751	13900	4666
Franklin	6365	113341	129261	86514	98666	4347	4958	8979	2997
Fremont	4463	80266	91540	62255	70999	2731	3115	6478	2312
Greene	6020	104343	118999	79877	91097	3814	4350	8669	2743
Grundy	7540	147429	168137	113488	129429	5855	6677	10512	3573
Guthrie	6787	120357	137263	91927	104839	4476	5105	9751	3018
Hamilton	9849	195127	222535	149229	170190	7735	8821	13565	4444
Hancock	7051	117744	134283	89323	101869	4164	4749	9897	3651
Hardin	11316	199416	227426	151681	172986	7318	8346	16009	5094
Harrison	7991	144789	165126	110283	125774	4395	5012	11260	4002
Henry	11035	212158	241958	161617	184318	7937	9052	15047	5391
Howard	5925	92999	106062	70934	80898	3102	3538	8558	3069
Humboldt	6261	120655	137602	92153	105097	4704	5365	9026	2971
Ida	4699	86596	98759	66515	75858	3408	3887	6775	2620
Iowa	9590	203627	232229	157127	179197	8598	9806	12904	4311
Jackson	11274	193042	220157	148211	169029	7033	8021	15697	5759
Jasper	21174	436339	497628	332778	379521	17320	19753	28398	9570

Table 3. Personal Income Tax for 1992 (Filed in 1993) (in 1992 \$1,000s and in 1997 \$1,000s after accounting for inflation) in Iowa's Counties (continued).

County	Number of Returns	Adjusted Gross Income (in \$1,000s)		Net Taxable Income (in \$1,000s)		Tax Paid (in \$1,000s)		Person Credits	Dependent Credits
		1992 \$s	1997 \$s	1992 \$s	1997 \$s	1992 \$s	1997 \$s		
Jefferson	8389	191150	217999	140619	160371	7780	8873	11588	3860
Johnson	51757	1332039	1519139	980457	1118174	55219	62975	64418	21342
Jones	10678	193328	220483	149178	170132	7325	8354	14804	5427
Keokuk	6758	112146	127898	86348	98477	4060	4630	9687	3249
Kossuth	10530	173279	197618	129957	148211	6039	6887	14667	5359
Lee	20846	419359	478263	321779	366977	16413	18718	28787	10229
Linn	105303	2625778	2994599	1951374	2225467	109307	124660	135982	47797
Louisa	6615	127603	145526	99311	113260	4960	5657	9101	3777
Lucas	4887	95419	108822	72365	82530	3808	4343	7044	2290
Lyon	6904	116843	133255	90385	103081	4075	4647	9499	3965
Madison	7365	138677	158156	106272	121199	5229	5963	10189	3764
Mahaska	11691	217700	248279	165440	188678	8222	9377	16220	5842
Marion	17359	359325	409796	272102	310322	14079	16057	23250	8592
Marshall	22624	483258	551137	367372	418974	19312	22025	30657	10604
Mills	6862	140065	159739	105935	120815	4311	4917	9282	3503
Mitchell	6451	115127	131298	87858	100199	4165	4750	9132	3180
Monona	5416	98459	112289	75032	85571	3741	4266	8045	2499
Monroe	4239	71717	81790	54765	62457	2563	2923	6194	2064
Montgomery	6940	126167	143889	96408	109950	4586	5230	10009	3232
Muscatine	23117	533349	608264	402761	459334	22137	25246	30752	12340
O'Brien	9542	167276	190772	125895	143578	6081	6935	13430	4772
Osceola	3881	68719	78371	52252	59591	2400	2737	5452	1954
Page	9199	173556	197934	131822	150338	6503	7416	13128	4286
Palo Alto	5953	95932	109407	72826	83055	3352	3823	8553	2982
Plymouth	14029	281299	320811	213810	243842	10937	12473	18918	7542
Pocahontas	5331	90937	103710	69219	78942	3315	3781	7786	2648
Polk	202591	5430408	6193172	3970732	4528468	229144	261330	258613	90345
Pottawattamie	44548	909076	1036766	676083	771047	24234	27638	59857	22239
Poweshiek	10872	225127	256749	167149	190627	8580	9785	14954	4844
Ringgold	2931	39899	45503	30420	34693	1276	1455	4322	1309
Sac	6873	116104	132412	88514	100947	4213	4805	10033	3475
Scott	86117	2197552	2506224	1634764	1864386	91840	104740	114124	43209
Shelby	8028	134289	153151	100782	114938	4512	5146	11387	3969
Sioux	17033	318606	363358	236258	269443	11690	13332	22965	10068
Story	37959	885415	1009782	659719	752384	35915	40960	48956	16122
Tama	10152	177732	202697	136777	155989	6615	7544	14471	4961
Taylor	3765	54446	62094	41914	47801	1749	1995	5642	1860
Union	7247	124008	141426	94397	107656	4433	5056	10010	3343
Van Buren	4158	64707	73796	50397	57476	2247	2563	6040	1998
Wapello	19037	369943	421906	281735	321308	14261	16264	27019	8917
Warren	21488	468735	534574	354884	404732	18551	21157	27296	11183
Washington	11951	226710	258554	171082	195112	8537	9736	16338	6001
Wayne	3633	54341	61974	41161	46943	1782	2032	5718	1684
Webster	22320	452009	515499	341045	388949	17767	20263	30816	10781
Winnebago	7535	129405	147581	99179	113110	4545	5183	10423	3641
Winneshiek	11035	198020	225834	149031	169964	7113	8112	15072	5668
Woodbury	54478	1227875	1400344	917418	1046280	47102	53718	73254	30065
Worth	4380	74802	85309	57016	65025	2548	2906	6276	1976
Wright	8465	149781	170819	112933	128796	5458	6225	12224	4065
IA Resident Returns	1601485	34418555	39253045	25810896	29436339	1351867	1541753	2159028	774529
Nonresident Returns	99508	7726252	8811495	5237663	5973354	51149	58333	147274	54768
Total Returns	1700993	42144807	48064539	31048559	35409693	1403016	1600086	2306302	829297

Table 4. Personal Income Tax for 1987 (Filed in 1988) (in 1987 \$1,000s and in 1997 \$1,000s after accounting for inflation) in Iowa's Counties.

County	Number of Returns	Adjusted Gross Income (in \$1,000s)		Net Taxable Income (in \$1,000s)		Tax Paid (in \$1,000s)		Person Credits	Dependent Credits
		1987 \$s	1997 \$s	1987 \$s	1997 \$s	1987 \$s	1997 \$s		
Adair	4503	61461	86100	47063	65930	2121	2971	6759	2107
Adams	2670	34513	48349	26621	37293	1171	1640	4086	1241
Allamakee	7985	106919	149782	82053	114948	3478	4872	10955	4238
Appanoose	6533	88108	123430	65908	92330	2877	4030	9802	3362
Audubon	4167	55609	77902	42834	60006	1936	2712	6113	1946
Benton	12326	192363	269480	147176	206178	6972	9767	16968	6242
Black Hawk	62618	1152571	1614632	846300	1185578	42891	60086	85359	31834
Boone	14068	227217	318307	169306	237180	8055	11284	19257	6568
Bremer	13252	217558	304776	163089	228471	7847	10993	18273	7151
Buchanan	10307	162345	227428	123543	173071	5952	8338	14589	6447
Buena Vista	11094	172144	241156	128077	179422	6043	8466	15806	5520
Butler	8680	121498	170206	92647	129789	4191	5871	12529	4541
Calhoun	6852	96807	135616	72907	102135	3360	4707	10134	3404
Carroll	12733	195941	274493	146589	205356	6935	9715	17189	7395
Cass	9010	136195	190795	103256	144651	4809	6737	12980	4467
Cedar	9997	157725	220956	119819	167854	5642	7904	13811	4942
Cerro Gordo	27134	452421	633795	333221	466808	16017	22438	36879	12680
Cherokee	8144	122810	172044	93642	131183	4428	6203	11555	4231
Chickasaw	7633	109272	153079	83627	117153	3799	5322	10600	4228
Clarke	4613	61918	86741	47207	66132	2075	2907	6598	2331
Clay	10073	162511	227661	120966	169461	5907	8275	13842	5068
Clayton	10357	141452	198159	108712	152294	4740	6640	14539	5676
Clinton	28044	470479	659092	353288	494920	17048	23882	38856	14709
Crawford	9801	142309	199360	108074	151400	4964	6954	13627	5492
Dallas	17735	307548	430843	226692	317572	11061	15495	23725	9265
Davis	4058	54868	76864	41586	58258	1861	2607	6038	2379
Decatur	3788	47949	67172	36181	50686	1505	2108	5541	2048
Delaware	9429	142291	199335	109609	153551	5209	7297	12910	5762
Des Moines	24223	424980	595353	316528	443423	15677	21962	33121	11968
Dickinson	8894	143720	201337	104421	146283	4965	6955	12589	3885
Dubuque	49437	861766	1207244	635589	890394	31715	44429	64595	27923
Emmet	6388	93098	130421	70078	98172	3195	4476	8947	3278
Fayette	11830	165805	232275	126290	176919	5688	7968	16715	6390
Floyd	9925	149027	208771	111653	156414	5222	7315	13928	4943
Franklin	6443	101060	141575	76465	107119	3745	5246	9290	3164
Fremont	4399	67169	94097	50653	70960	2249	3151	6465	2256
Greene	6035	89449	125309	67379	94391	3118	4368	8703	2875
Grundy	7340	116154	162720	87612	122735	4256	5962	10393	3494
Guthrie	6613	91977	128850	69348	97149	3112	4360	9676	3194
Hamilton	9864	163917	229631	122180	171161	6170	8644	13763	4612
Hancock	7213	107427	150494	81694	114445	3825	5358	10172	3817
Hardin	11689	175992	246546	131998	184915	6205	8693	16690	5400
Harrison	7871	118882	166541	89859	125883	3656	5122	11295	4192
Henry	10608	166364	233059	124782	174807	5803	8129	14710	5365
Howard	5787	77310	108303	59356	83152	2605	3649	8413	3050
Humboldt	6241	98709	138281	74582	104482	3579	5014	9115	3104
Ida	4748	75148	105274	57014	79871	2829	3963	6961	2539
Iowa	9228	146979	205902	112227	157218	5531	7748	12607	4105
Jackson	11187	160274	224527	121833	170675	5603	7849	15558	6181
Jasper	20722	365947	512654	273974	383809	13656	19131	28211	9905

Table 4. Personal Income Tax for 1987 (Filed in 1988) (in 1987 \$1,000s and in 1997 \$1,000s after accounting for inflation) in Iowa's Counties (continued).

County	Number of Returns	Adjusted Gross Income (in \$1,000s)		Net Taxable Income (in \$1,000s)		Tax Paid (in \$1,000s)		Person Credits	Dependent Credits
		1987 \$s	1997 \$s	1987 \$s	1997 \$s	1987 \$s	1997 \$s		
Jefferson	8133	145157	203350	103740	145329	5211	7300	11420	3868
Johnson	47093	921768	1291301	671744	941043	34033	47677	59040	20079
Jones	10249	154428	216337	116926	163801	5488	7688	14330	5415
Keokuk	6775	93835	131453	71927	100762	3251	4554	9986	3320
Kossuth	11267	163254	228702	123258	172672	5678	7954	15651	5932
Lee	20488	340509	477018	253008	354438	12041	16868	28666	10526
Linn	97587	1943986	2723321	1420420	1989860	73707	103256	127234	47232
Louisa	6097	97821	137037	74084	103784	3546	4968	8557	3258
Lucas	4967	75981	106441	56622	79322	2757	3862	7275	2378
Lyon	6580	91694	128454	70574	98867	3145	4406	9308	3956
Madison	6955	103044	144354	77381	108403	3520	4931	9767	3716
Mahaska	11373	172333	241421	129171	180955	6064	8495	15986	5682
Marion	16616	280542	393010	209185	293046	10054	14085	22491	8565
Marshall	22090	391245	548093	290182	406515	14599	20452	29974	10961
Mills	6612	109457	153338	82400	115434	3355	4700	9081	3669
Mitchell	6365	94981	133058	72901	102127	3384	4741	9108	3171
Monona	5394	77552	108642	58850	82443	2736	3833	8206	2649
Monroe	4049	56477	79118	42145	59041	1890	2648	5959	2118
Montgomery	6919	107107	150046	80859	113275	3777	5291	10054	3312
Muscatine	22317	415142	581571	306291	429082	15562	21801	29870	11997
O'Brien	9291	137009	191935	103813	145431	4815	6745	13181	4761
Osceola	4036	56861	79656	43257	60599	1822	2552	5752	2065
Page	9206	143057	200408	106966	149848	5020	7032	13342	4460
Palo Alto	6012	85575	119882	65026	91095	3003	4207	8672	3140
Plymouth	13181	218426	305992	163776	229433	8189	11472	18361	7546
Pocahontas	5595	83094	116406	62942	88175	2974	4166	8347	2834
Polk	187208	3906708	5472890	2806410	3931487	150297	210550	240280	85608
Pottawattamie	44013	738938	1035175	538052	753755	18744	26258	59146	22555
Poweshiek	10904	176516	247280	132870	186137	6369	8922	14876	5012
Ringgold	2788	34299	48049	26063	36512	1083	1517	4319	1352
Sac	6860	96629	135367	73034	102313	3379	4734	10201	3514
Scott	81811	1662790	2329395	1213855	1700484	63020	88284	109036	43123
Shelby	7976	116370	163022	87939	123193	3941	5521	11286	4112
Sioux	15742	236767	331686	176622	247429	8239	11542	21604	9829
Story	35705	656275	919373	481392	674380	24051	33693	46556	16016
Tama	10060	146951	205863	111543	156260	5174	7248	14480	4962
Taylor	3806	46318	64887	35523	49764	1461	2047	5872	1900
Union	6985	101078	141600	75931	106371	3416	4785	9921	3546
Van Buren	4083	52078	72956	39802	55758	1682	2356	6062	2092
Wapello	18009	290175	406505	215039	301247	10243	14349	26087	8875
Warren	19639	342746	480151	254631	356711	12385	17350	25291	10726
Washington	11655	178078	249469	133035	186368	6237	8737	16136	5733
Wayne	3680	47216	66145	35855	50229	1549	2170	5798	1682
Webster	22340	357599	500959	263550	369206	12591	17639	31031	10758
Winnebago	7504	118409	165879	88805	124407	4140	5800	10420	3777
Winneshiek	10848	161814	226685	123622	173182	5764	8075	14668	5823
Woodbury	50735	893953	1252335	648747	908827	31347	43914	68584	27899
Worth	4633	67014	93880	51331	71909	2297	3218	6603	2139
Wright	8457	130301	182538	97360	136391	4611	6460	12309	3929
IA Resident Returns	1534977	26475312	37089146	19573972	27421090	956936	1340567	2091421	772486
Nonresident Returns	80549	3751330	5255221	2502609	3505894	34552	48404	118822	48286
Total Returns	1615526	30226641	42344366	22076581	30926983	991488	1388971	2210243	820772

Table 5. Average State Gross Personal Income Per Return, Average State Personal Income Tax Paid Per Return, and Average Percentage State Tax Rate in Iowa's Counties, 1987, 1992, 1996, and 1997.

County	Adjusted Gross Personal Income Per Return							Average Personal Income Tax Paid Per Return						Average Tax Rate (Tax Paid/Net Taxable Income)				
	Current \$s				Adjusted to 1997 \$s			Current \$s				Adjusted to 1997 \$s		1997	1996	1992	1987	
	1997	1996	1992	1987	1996	1992	1987	1997	1996	1992	1987	1996	1992					1987
Adair	20629	19271	16744	13649	19699	19096	19121	771	700	602	471	716	687	660	4.9	4.8	4.7	4.5
Adams	18481	17215	14909	12926	17597	17003	18108	679	603	501	438	616	571	614	4.7	4.6	4.4	4.4
Allamakee	19154	18020	15916	13390	18420	18152	18758	626	587	510	436	600	582	611	4.3	4.1	4.2	4.2
Appanoose	19076	17789	16278	13487	18184	18564	18894	698	630	576	440	644	657	616	4.8	4.6	4.6	4.4
Audubon	19226	18073	15579	13345	18475	17767	18695	717	659	538	465	674	614	651	4.8	4.7	4.5	4.5
Benton	24250	22447	18855	15606	22946	21503	21862	998	902	718	566	922	819	793	5.4	5.2	4.9	4.7
Black Hawk	27522	25903	22840	18406	26478	26048	25785	1172	1078	938	685	1102	1070	960	5.7	5.6	5.5	5.1
Boone	24802	23488	20132	16151	24010	22960	22626	1012	952	781	573	973	891	803	5.4	5.4	5.1	4.8
Bremer	25702	23964	20745	16417	24496	23659	22999	1065	985	825	592	1007	941	829	5.5	5.4	5.2	4.8
Buchanan	23941	21747	19361	15751	22230	22080	22066	996	864	769	577	883	877	808	5.4	5.2	5.2	4.8
Buena Vista	23341	22145	18796	15517	22637	21436	21738	926	860	700	545	879	798	763	5.2	5.1	4.9	4.7
Butler	21372	19934	16901	13997	20377	19275	19608	837	766	619	483	783	706	677	5.1	5.0	4.8	4.5
Calhoun	20921	20353	16853	14128	20805	19220	19792	800	790	604	490	808	689	686	5.0	5.0	4.7	4.6
Carroll	22475	21311	18441	15388	21784	21031	21557	883	832	695	545	850	793	763	5.2	5.1	5.0	4.7
Cass	20817	20078	17407	15116	20524	19852	21176	787	733	626	534	749	714	748	5.0	4.8	4.8	4.7
Cedar	25725	22543	19442	15777	23044	22173	22102	1122	912	758	564	932	864	790	5.7	5.3	5.1	4.7
Cerro Gordo	25019	23556	20547	16674	24079	23433	23359	1032	938	797	590	959	909	827	5.5	5.3	5.2	4.8
Cherokee	21725	20744	18143	15080	21205	20691	21126	862	811	681	544	829	777	762	5.1	5.0	4.9	4.7
Chickasaw	21499	19979	17124	14316	20423	19529	20055	828	766	631	498	783	720	698	5.0	5.0	4.8	4.5
Clarke	19667	18028	16168	13422	18429	18439	18803	726	640	557	450	654	635	630	4.8	4.6	4.5	4.4
Clay	23761	22317	19258	16133	22813	21963	22601	962	881	746	586	901	851	821	5.3	5.2	5.1	4.9
Clayton	19692	18497	15938	13658	18908	18177	19133	683	627	531	458	641	606	642	4.6	4.5	4.4	4.4
Clinton	24018	23103	20018	16776	23616	22830	23501	972	936	786	608	957	896	852	5.3	5.3	5.1	4.8
Crawford	19750	19538	16529	14520	19972	18851	20341	742	759	586	506	776	668	709	4.9	5.0	4.7	4.6
Dallas	30413	28508	22823	17341	29141	26029	24293	1294	1187	923	624	1213	1053	874	5.8	5.7	5.4	4.9
Davis	19941	18651	16083	13521	19065	18342	18942	758	687	571	459	702	651	643	4.9	4.8	4.6	4.5
Decatur	17798	16512	15055	12658	16879	17170	17733	591	542	496	397	554	566	556	4.4	4.3	4.3	4.2
Delaware	20928	19917	17538	15091	20360	20001	21141	804	757	645	552	774	736	773	5.0	5.0	4.8	4.8
Des Moines	26378	24706	21928	17544	25255	25008	24577	1096	1015	886	647	1038	1010	906	5.5	5.4	5.3	5.0
Dickinson	26613	24919	21106	16159	25473	24071	22637	1060	984	812	558	1006	926	782	5.4	5.4	5.2	4.8
Dubuque	26413	24886	23066	17432	25439	26306	24420	1072	1007	961	642	1029	1096	899	5.5	5.5	5.6	5.0
Emmet	21756	20491	17420	14574	20946	19867	20417	790	752	629	500	769	717	700	4.8	4.8	4.8	4.6
Fayette	20300	19223	16795	14016	19650	19154	19635	772	711	605	481	727	690	674	4.9	4.8	4.7	4.5

Table 5. Average State Gross Personal Income Per Return, Average State Personal Income Tax Paid Per Return, and Average Percentage State Tax Rate in Iowa's Counties, 1987, 1992, 1996, and 1997 (continued).

County	Adjusted Gross Personal Income Per Return							Average Personal Income Tax Paid Per Return						Average Tax Rate (Tax Paid/Net Taxable Income)				
	Current \$s				Adjusted to 1997 \$s			Current \$s				Adjusted to 1997 \$s		1997	1996	1992	1987	
	1997	1996	1992	1987	1996	1992	1987	1997	1996	1992	1987	1996	1992					1987
Floyd	21694	20911	18137	15015	21376	20685	21034	835	812	680	526	830	776	737	5.1	5.1	4.9	4.7
Franklin	22158	21835	17807	15685	22320	20308	21973	893	893	683	581	913	779	814	5.3	5.4	5.0	4.9
Fremont	21722	20323	17985	15269	20775	20511	21390	757	694	612	511	709	698	716	4.5	4.4	4.4	4.4
Greene	21566	20626	17333	14822	21084	19768	20764	829	790	634	517	808	723	724	5.1	5.0	4.8	4.6
Grundy	24737	22766	19553	15825	23272	22299	22169	1021	928	776	580	949	885	813	5.4	5.3	5.2	4.9
Guthrie	22273	20823	17733	13909	21286	20224	19485	875	793	660	471	811	753	660	5.2	5.0	4.9	4.5
Hamilton	24865	24313	19812	16618	24853	22595	23280	1023	990	785	626	1012	895	877	5.5	5.4	5.2	5.1
Hancock	20789	19877	16699	14894	20319	19045	20865	802	749	591	530	766	674	742	5.0	4.9	4.7	4.7
Hardin	22416	21085	17622	15056	21553	20097	21092	902	823	647	531	841	738	744	5.3	5.1	4.8	4.7
Harrison	22883	21354	18119	15104	21828	20664	21159	692	645	550	464	659	627	650	4.0	4.0	4.0	4.1
Henry	23572	22420	19226	15683	22918	21927	21970	938	885	719	547	905	820	766	5.2	5.2	4.9	4.7
Howard	19728	18303	15696	13359	18710	17901	18715	682	628	524	450	642	598	630	4.5	4.5	4.4	4.4
Humboldt	23744	22376	19271	15816	22873	21978	22157	988	920	751	573	940	856	803	5.4	5.3	5.1	4.8
Ida	22179	21672	18429	15827	22153	21018	22172	864	879	725	596	899	827	835	5.2	5.3	5.1	5.0
Iowa	30208	25260	21233	15927	25821	24215	22312	1235	1114	897	599	1139	1023	839	5.4	5.7	5.5	4.9
Jackson	20663	19527	17123	14327	19961	19528	20071	785	737	624	501	753	712	702	5.0	4.9	4.7	4.6
Jasper	26002	24876	20607	17660	25429	23501	24740	1075	1029	818	659	1052	933	923	5.5	5.5	5.2	5.0
Jefferson	33352	30982	22786	17848	31670	25987	25003	1420	1250	927	641	1278	1057	898	5.9	5.9	5.5	5.0
Johnson	33380	30059	25736	19573	30727	29351	27420	1408	1280	1067	723	1308	1217	1013	5.7	5.9	5.6	5.1
Jones	22677	21087	18105	15068	21555	20648	21109	906	830	686	535	848	782	749	5.2	5.1	4.9	4.7
Keokuk	19853	19021	16594	13850	19444	18925	19402	749	713	601	480	729	685	672	4.9	4.8	4.7	4.5
Kossuth	20723	20040	16456	14490	20485	18767	20299	773	745	573	504	762	653	706	4.9	4.9	4.6	4.6
Lee	23838	22669	20117	16620	23173	22943	23283	950	908	787	588	928	898	824	5.2	5.2	5.1	4.8
Linn	30870	29451	24935	19921	30105	28437	27907	1331	1251	1038	755	1279	1184	1058	5.9	5.8	5.6	5.2
Louisa	23262	21807	19290	16044	22291	22000	22476	928	867	750	582	886	855	815	5.2	5.1	5.0	4.8
Lucas	24028	22375	19525	15297	22872	22268	21429	1030	945	779	555	966	888	777	5.7	5.6	5.3	4.9
Lyon	20310	19320	16924	13935	19749	19301	19521	748	694	590	478	709	673	670	4.8	4.7	4.5	4.5
Madison	23637	22085	18829	14816	22576	21474	20756	940	862	710	506	881	810	709	5.3	5.2	4.9	4.5
Mahaska	22934	21785	18621	15153	22269	21237	21228	910	864	703	533	883	802	747	5.2	5.2	5.0	4.7
Marion	25284	23748	20700	16884	24276	23608	23653	1021	948	811	605	969	925	848	5.4	5.3	5.2	4.8
Marshall	25208	23862	21360	17711	24392	24360	24811	1034	958	854	661	979	974	926	5.4	5.3	5.3	5.0
Mills	25335	23660	20412	16554	24186	23279	23190	768	704	628	507	720	716	710	4.1	4.0	4.1	4.1
Mitchell	22020	20611	17846	14922	21069	20353	20904	845	780	646	532	797	737	745	5.0	4.9	4.7	4.6

Table 5. Average State Gross Personal Income Per Return, Average State Personal Income Tax Paid Per Return, and Average Percentage State Tax Rate in Iowa's Counties, 1987, 1992, 1996, and 1997 (continued).

County	Adjusted Gross Personal Income Per Return							Average Personal Income Tax Paid Per Return						Average Tax Rate (Tax Paid/Net Taxable Income)				
	Current \$s				Adjusted to 1997 \$s			Current \$s				Adjusted to 1997 \$s		1997	1996	1992	1987	
	1997	1996	1992	1987	1996	1992	1987	1997	1996	1992	1987	1996	1992					1987
Monona	21389	20279	18179	14377	20730	20732	20141	825	758	691	507	775	788	710	5.1	4.9	5.0	4.6
Monroe	20155	18998	16918	13948	19420	19294	19540	768	710	605	467	726	690	654	4.9	4.9	4.7	4.5
Montgomery	21583	20644	18180	15480	21103	20734	21686	815	787	661	546	804	754	765	5.0	5.0	4.8	4.7
Muscatine	27905	26107	23072	18602	26687	26313	26059	1188	1094	958	697	1118	1093	976	5.7	5.6	5.5	5.1
O'Brien	21620	20658	17531	14746	21117	19993	20658	817	792	637	518	810	726	726	5.0	5.0	4.8	4.6
Osceola	20842	19880	17707	14088	20322	20194	19736	744	702	618	451	718	705	632	4.6	4.6	4.6	4.2
Page	23208	21551	18867	15540	22030	21517	21770	917	833	707	545	852	806	763	5.2	5.1	4.9	4.7
Palo Alto	20354	19340	16115	14234	19770	18379	19940	782	723	563	499	739	642	699	5.0	4.9	4.6	4.6
Plymouth	25853	24155	20051	16571	24692	22867	23214	1004	955	780	621	976	890	870	5.2	5.3	5.1	5.0
Pocahontas	21401	20275	17058	14851	20725	19454	20805	831	797	622	532	815	709	745	5.1	5.0	4.8	4.7
Polk	33843	31282	26805	20868	31977	30570	29234	1465	1325	1131	803	1354	1290	1125	6.0	5.9	5.8	5.4
Pottawattamie	25192	23523	20407	16789	24046	23273	23520	689	619	544	426	633	620	597	3.7	3.6	3.6	3.5
Poweshiek	24210	22897	20707	16188	23406	23616	22678	960	906	789	584	926	900	818	5.3	5.2	5.1	4.8
Ringgold	18033	16357	13613	12302	16720	15525	17234	618	550	435	389	562	496	545	4.5	4.4	4.2	4.2
Sac	21274	20134	16893	14086	20581	19266	19733	833	777	613	492	794	699	689	5.1	5.0	4.8	4.6
Scott	32162	30013	25518	20325	30680	29102	28473	1410	1261	1066	770	1289	1216	1079	6.0	5.7	5.6	5.2
Shelby	20786	19547	16728	14590	19981	19078	20439	764	696	562	494	711	641	692	4.8	4.7	4.5	4.5
Sioux	24975	21978	18705	15040	22466	21332	21069	1029	846	686	523	865	782	733	5.5	5.2	4.9	4.7
Story	29727	27768	23326	18380	28385	26602	25748	1260	1168	946	674	1194	1079	944	5.8	5.7	5.4	5.0
Tama	21905	20655	17507	14607	21114	19966	20463	873	797	652	514	815	744	720	5.2	5.0	4.8	4.6
Taylor	18469	16286	14461	12170	16648	16492	17049	673	532	464	384	544	529	538	4.7	4.2	4.2	4.1
Union	20482	19037	17112	14471	19460	19516	20272	806	709	612	489	725	698	685	5.1	4.9	4.7	4.5
Van Buren	19075	17982	15562	12755	18382	17748	17868	698	640	540	412	654	616	577	4.7	4.6	4.5	4.2
Wapello	23078	22213	19433	16113	22707	22163	22573	916	873	749	569	892	854	797	5.3	5.2	5.1	4.8
Warren	27126	25540	21814	17452	26107	24878	24448	1112	1027	863	631	1050	984	884	5.5	5.4	5.2	4.9
Washington	22449	21195	18970	15279	21666	21635	21404	873	808	714	535	826	814	749	5.1	5.0	5.0	4.7
Wayne	18470	17379	14958	12830	17765	17059	17973	622	596	490	421	609	559	590	4.4	4.5	4.3	4.3
Webster	24311	23156	20251	16007	23670	23095	22424	993	921	796	564	941	908	790	5.4	5.3	5.2	4.8
Winnebago	21357	20801	17174	15779	21263	19586	22105	800	783	603	552	800	688	773	4.9	4.9	4.6	4.7
Winneshiek	21958	20795	17945	14916	21257	20466	20896	836	782	645	531	799	736	744	5.0	5.0	4.8	4.7
Woodbury	26918	25402	22539	17620	25966	25705	24684	1030	971	865	618	993	986	866	5.2	5.1	5.1	4.8
Worth	22227	20279	17078	14465	20730	19477	20264	874	751	582	496	768	664	695	5.1	4.8	4.5	4.5
Wright	23217	21502	17694	15407	21980	20179	21584	947	846	645	545	865	736	763	5.3	5.2	4.8	4.7
IA Resident Returns	26731	25030	21492	17248	25586	24511	24163	1089	1003	844	623	1025	963	873	5.5	5.4	5.2	4.9
Nonresident Returns	104538	103777	77645	46572	106083	88551	65243	644	624	514	429	638	586	601	0.9	0.9	1.0	1.4
Total Returns	32761	31261	24777	18710	31956	28257	26211	1055	973	825	614	995	941	860	4.4	4.2	4.5	4.5

Adjusted gross income totaled \$7.2 billion in Polk County in 1997; others above \$1 billion included Black Hawk, Dubuque, Johnson, Linn, Pottawattamie, Scott, Story, and Woodbury. Less than \$100 million in adjusted gross income was noted in 13 counties, although only Adams and Ringgold were below \$50 million. From 1987 to 1997, adjusted gross income increased in every county. When inflation was taken into account, all but 14 counties continued to have higher gross income at the end of the period than at the beginning; the magnitude of the increases were much lower after inflation was accounted for, however. Increases after inflation greater than \$50 million occurred in 21 counties, with Polk's gain exceeding \$1.7 billion.

When deductions authorized by the tax code are removed from adjusted gross income, the result is net taxable income. This is the amount on which tax is calculated. In 1997, net taxable income totaled \$32.7 billion for Iowa residents, which was substantially more than the \$19.6 billion reported in 1987. Net taxable income varied across Iowa's counties in a manner similar to that observed for adjusted gross income, with Black Hawk, Dubuque, Johnson, Linn, Polk, Scott, and Woodbury reporting more than \$1 billion in net taxable income in 1997. Net taxable income increased in every county from 1987 to 1997, with gains varying from less than \$20 million in Adams, Audubon, Decatur, Osceola, Ringgold, Taylor, and Wayne to \$2.4 billion in Polk. Controlling for inflation reduced the gains in net taxable income, although increases still occurred in most (86) counties. Gains were greater than \$100 million in 11 counties (Black Hawk, Dallas, Dubuque, Johnson, Linn, Polk, Pottawattamie, Scott, Story, Warren, Woodbury) even after inflation was included in the calculations.

State taxes paid in 1997 varied from less than \$5 million in 23 counties to more than \$20 million in 19 others. The total paid by Iowa residents was more than \$1.7 billion. Polk was the only county in which filers paid more than \$200 million in state taxes, while the totals in Linn and Scott were the only others greater than \$100 million. State taxes ranged from \$50 million to \$99 million in Black Hawk, Dubuque, Johnson, Story, and Woodbury. Adams and Ringgold each recorded less than \$2 million in state taxes paid in 1997.

When 1987 and 1997 were compared, state personal income taxes paid by Iowans at least doubled in 13 counties, with increases of at least 125 percent in Dallas, Jefferson, and Johnson. All counties gained at least 40 percent. When inflation was included in the calculations of change in state personal income taxes paid between 1987 and 1997, all but Wayne still had gains in taxes paid. Increases after inflation exceeded \$10 million in Black Hawk, Dallas, Dubuque, Johnson, Linn, Polk, Scott, Story, and Woodbury.

Averages and Rates

Information available in Tables 1-4 allows the calculation of averages and rates related to state personal income taxes. For example, adjusted gross personal income per tax return for Iowa residents averaged \$26,731 in 1997 (Table 5). That figure increased steadily from 1987 (\$17,248) to that point. When inflation was included, however, then a much smaller change occurred in average adjusted gross personal income per return (+\$2,568) from 1987 to 1997. While counties tended to follow the state pattern, differences in averages were evident. For example, average adjusted gross personal income per 1997 return varied from less than \$20,000 in 15 counties to more than \$25,000 in 24 others. The highest was \$33,843 in Polk, which was nearly double the \$17,798 reported in Decatur, which was the lowest figure for the state.

The average state personal income tax paid per return for Iowa residents was \$1,089 in 1997 (Table 5). This average increased steadily from \$623 in 1987. Even when inflation was controlled, the average increased by \$216 between 1987 and 1997. In 1997, the average paid varied from \$591 in Decatur to \$1,465 in Polk (Figure 1).

The average state tax rate, which was calculated by dividing state taxes paid by net taxable income in Iowa, was 5.5 percent in 1997 for Iowans (Table 5). It was 4.9 percent in 1987, 5.2 percent in 1992, and 5.4 percent in 1996. In 1997, the average Iowa tax rate varied from 4.0 percent or less in Harrison and Pottawattamie to 6.0 percent in Polk and Scott. Those in which the rate was relatively high generally were urban counties in which incomes also were relatively high; these higher averages reflect

the progressive nature of Iowa's personal income tax. The average was lowest in three counties on Iowa's western border, which indicates that some individuals work in another state and pay some taxes to both.

Note: Additional information is available in reports available from the Iowa Department of Revenue and Finance, Hoover Building, 1305 E. Walnut, State Capitol Complex, Des Moines, IA 50319.

Property Tax Valuations in Iowa's Counties: 1995, 1997, and 1999

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Real properties in Iowa are taxed by local governments. Land, homes, farmland and farm buildings, commercial and industrial properties, utility infrastructure, and some manufacturing machinery and equipment are the real properties that are taxed. Taxable valuations are based originally upon assessed or market valuations of properties or, in the case of agricultural land, a measure of the relative productive potential of the property. The assessed value of property is determined by city or county assessors who base their determinations on actual sales of similar properties in their jurisdictions or, in the case of new property development, the total investment in land and buildings. If interjurisdictional distortions are evident, as in the case where properties are assessed significantly below an amount that they would fetch in the market, the State of Iowa issues equalization orders to offset the distortions. Equalizations are done during odd-numbered years; during even-numbered years, local assessors determine values solely on local sales experiences. In this section, figures are reported for 1995, 1997, and 1999, the three most recent years during which equalization occurred.

State law determines the proportion of assessed value that will be taxed and the appropriate property classifications for all properties. State law also constrains allowable annual growth. Residential, agricultural land, commercial, and industrial values are limited to no more than 4 percent growth in taxable values per year. When assessed valuation growth for a class of property exceeds the allowable growth rate, the values are rolled-back for tax purposes. The difference between the taxable value of property and the assessed value can be substantial. For fiscal year 1999, for example, the roll-back for determining taxable residential values was 54.9 percent of assessed residential value; the roll-back was 56.8 percent as of 1997. Currently, there are no roll-backs for commercial and industrial properties.

The accompanying tables represent the major property classifications in Iowa. Residential properties include all single-family homes and duplexes. Valuations of land and buildings used for agricultural purposes are reported. Commercial properties include retail, wholesale, and service firms, while industrial properties include the land and the buildings of manufacturing firms. Manufacturing machinery and equipment is reported separately. The "all other" category includes utility properties and other minor property values that do not fit into the previous classifications.

Net taxable property in Iowa in 1999 was valued at \$85.4 billion (Table 1), an increase from the \$82.1 billion reported in 1997 (Table 2) and the \$78.4 noted in 1995 (Table 3). Total valuation available for property taxes varied from less than \$500 million in 46 counties to more than \$1 billion in 17 others. Polk's total of \$10.4 billion was substantially greater than the \$5.8 billion in Linn, which was the second highest total. Adams, Davis, Decatur, Ringgold, Taylor, Van Buren, and Wayne were the only counties with net taxable property valuations below \$200 million.

While residential properties constituted the largest fraction of taxable values statewide, 66 counties had combined agricultural land and buildings values that exceeded values for either residential property, the combination of commercial and industrial property, or other types of property (Table 4). Agricultural land and buildings accounted for at least 50 percent of total valuations in 35 counties. In 32 counties, residential property was a greater proportion than any of the three other categories; in Dickinson, Dubuque, Johnson, and Warren, residential property accounted for at least 50 percent of the total taxable valuation in 1999.

Diversity among counties in 1999 was evident when specific categories of property were examined. On residential property, for example, nearly a fourth (23) of the counties reported values of less than \$100 million (Table 1); Adams, Ringgold, Taylor, and Wayne were below \$50 million. Black

Table 1. Fiscal 1999 Taxable Valuations (in \$1,000,000s) by Property Type in Iowa's Counties.

County	Residential	Agricultural Land	Agricultural Buildings	Commercial	Industrial	Machinery/Equipment	All Other	Gross Valuation	Military Exempt	Net Taxable Valuation
Adair	69.6	171.0	15.6	24.9	6.1	3.7	45.4	336.1	1.4	334.7
Adams	30.8	99.3	11.8	9.8	2.9	3.9	31.7	190.3	0.8	189.5
Allamakee	137.4	148.7	35.2	43.1	9.1	5.7	87.8	467.1	1.9	465.2
Appanoose	104.4	69.0	8.2	32.2	14.3	12.5	44.9	285.5	2.2	283.3
Audubon	54.3	157.3	17.9	14.7	2.2	0.0	30.3	276.8	1.2	275.6
Benton	273.7	285.9	31.8	52.7	5.0	2.6	74.1	725.8	3.4	722.4
Black Hawk	1350.5	211.7	33.0	657.7	132.4	97.0	225.4	2707.7	17.6	2690.1
Boone	278.7	254.4	19.6	76.6	18.8	6.9	94.7	749.8	3.9	745.9
Bremer	312.8	169.0	36.5	81.8	16.3	11.7	38.8	667.0	3.1	663.8
Buchanan	210.7	237.1	26.8	53.7	12.9	5.6	44.5	591.3	3.0	588.3
Buena Vista	189.7	264.1	27.4	92.9	17.6	8.2	55.0	655.0	2.8	652.1
Butler	151.2	234.1	18.1	30.0	6.8	2.6	43.7	486.5	2.5	484.0
Calhoun	104.6	293.3	8.1	41.5	2.6	0.7	42.1	492.8	2.0	490.8
Carroll	243.3	218.1	53.9	120.0	28.8	16.6	64.9	745.7	3.1	742.6
Cass	141.8	188.3	20.2	42.8	7.9	8.6	55.8	465.5	2.4	463.1
Cedar	228.0	265.9	20.4	57.0	20.5	5.6	56.1	653.5	2.4	651.2
Cerro Gordo	623.2	246.4	1.1	230.1	93.4	42.9	135.4	1372.5	7.6	1364.9
Cherokee	134.2	234.0	36.7	52.3	13.2	3.5	38.3	512.3	2.4	509.9
Chickasaw	132.2	198.8	17.6	38.9	11.9	10.2	29.5	439.2	1.9	437.3
Clarke	75.3	62.5	9.1	30.0	10.9	4.1	36.1	228.1	1.3	226.7
Clay	201.1	230.6	19.6	115.3	20.2	10.9	46.2	643.9	2.5	641.3
Clayton	179.1	214.1	39.7	55.1	9.5	6.1	55.1	558.7	2.6	556.1
Clinton	497.9	308.5	35.1	197.5	97.8	159.7	156.7	1453.2	8.0	1445.2
Crawford	117.8	255.2	34.4	46.9	11.7	6.2	49.0	521.2	2.3	518.9
Dallas	546.2	212.1	26.5	196.0	22.4	22.7	157.5	1183.5	4.6	1178.9
Davis	69.6	70.2	12.4	14.9	1.0	1.5	14.3	183.8	1.2	182.6
Decatur	51.2	71.8	9.6	17.6	3.9	1.3	23.1	178.6	1.1	177.4
Delaware	206.0	222.7	47.1	44.8	18.4	9.6	57.0	605.7	2.3	603.4
Des Moines	464.8	121.5	24.1	204.9	66.8	54.2	119.1	1055.5	7.0	1048.4
Dickinson	501.4	136.3	6.5	126.3	20.1	2.9	52.7	846.2	2.9	843.3
Dubuque	1232.5	155.6	67.2	531.8	128.9	55.9	159.1	2331.0	12.1	2318.9
Emmet	87.0	170.9	6.9	30.4	9.3	6.0	25.7	336.1	1.9	334.2
Fayette	172.3	300.1	41.2	61.9	10.8	7.5	55.5	649.3	3.4	646.0

Table 1. Fiscal 1999 Taxable Valuations (in \$1,000,000s) by Property Type in Iowa's Counties (continued).

County	Residential	Agricultural Land	Agricultural Buildings	Commercial	Industrial	Machinery/ Equipment	All Other	Gross Valuation	Military Exempt	Net Taxable Valuation
Floyd	159.0	198.5	19.6	44.2	16.9	1.0	48.9	488.1	2.7	485.3
Franklin	88.7	260.4	19.6	26.4	13.3	3.7	75.3	487.5	1.7	485.8
Fremont	66.2	180.4	15.0	23.9	12.3	20.3	42.2	360.3	1.4	358.9
Greene	80.3	281.3	11.8	34.0	5.5	6.6	41.1	460.7	1.7	459.0
Grundy	139.8	270.6	18.5	27.4	12.7	4.5	40.8	514.3	2.0	512.3
Guthrie	143.1	177.3	14.2	32.5	4.4	1.1	44.5	417.1	2.0	415.1
Hamilton	178.5	256.6	39.5	70.0	37.2	9.2	51.3	642.4	2.5	639.8
Hancock	104.9	237.7	15.4	33.2	19.8	18.0	100.0	529.0	1.8	527.2
Hardin	166.9	269.0	19.6	67.7	12.8	13.1	76.1	625.4	3.2	622.1
Harrison	164.6	237.0	22.6	32.8	3.9	1.5	75.3	537.8	2.2	535.6
Henry	180.0	146.7	15.8	86.6	25.2	17.3	30.7	502.3	2.5	499.8
Howard	81.4	162.9	17.2	27.0	5.1	2.1	21.8	317.7	1.4	316.3
Humboldt	112.6	208.4	13.7	41.8	9.6	3.3	47.7	437.1	2.0	435.2
Ida	56.8	193.1	18.5	23.9	11.8	4.4	24.6	333.1	1.4	331.7
Iowa	192.6	184.9	25.9	49.8	43.7	55.7	62.6	615.1	2.1	613.0
Jackson	221.0	165.0	25.3	63.1	9.3	4.6	51.1	539.2	2.8	536.4
Jasper	460.0	252.8	44.8	121.5	40.7	44.3	99.9	1064.0	5.2	1058.9
Jefferson	177.8	122.8	12.4	78.1	13.7	17.8	46.7	469.3	1.8	467.4
Johnson	1606.5	170.8	28.0	924.6	55.8	63.0	203.6	3052.3	7.8	3044.5
Jones	207.2	216.1	28.9	39.7	10.5	9.0	57.0	568.2	2.7	565.5
Keokuk	101.3	179.5	32.1	24.7	10.3	3.0	57.8	408.7	2.0	406.7
Kossuth	141.5	455.3	25.0	52.1	43.1	13.5	89.3	819.8	2.9	817.0
Lee	373.3	134.9	20.7	124.8	71.7	74.4	134.4	934.3	6.2	928.1
Linn	2920.8	217.4	14.1	1591.8	311.3	230.9	580.5	5866.8	25.5	5841.3
Louisa	100.8	143.9	12.2	23.0	12.2	8.2	129.8	430.1	1.6	428.5
Lucas	70.1	55.5	10.5	34.5	2.2	1.0	31.6	205.5	1.4	204.0
Lyon	102.2	248.5	24.9	26.0	4.7	1.1	37.1	444.6	1.6	443.0
Madison	167.8	116.0	22.8	33.7	0.9	0.8	66.2	408.2	1.8	406.4
Mahaska	214.5	183.5	32.9	68.1	20.1	6.9	91.1	617.2	2.8	614.3
Marion	343.9	140.6	12.5	109.4	49.1	47.2	74.6	777.3	3.7	773.6
Marshall	419.2	230.5	22.5	147.8	43.5	27.1	150.0	1040.6	6.2	1034.4
Mills	166.9	155.1	15.5	35.0	3.3	0.7	87.4	463.9	1.9	462.0
Mitchell	102.1	194.0	17.8	25.4	4.6	5.3	24.0	373.2	1.8	371.4

Table 1. Fiscal 1999 Taxable Valuations (in \$1,000,000s) by Property Type in Iowa's Counties (continued).

County	Residential	Agricultural Land	Agricultural Buildings	Commercial	Industrial	Machinery/ Equipment	All Other	Gross Valuation	Military Exempt	Net Taxable Valuation
Monona	80.1	219.3	17.7	27.6	2.3	0.8	58.8	406.7	1.8	404.9
Monroe	72.2	64.1	8.8	17.4	77.0	108.2	30.2	377.9	1.3	376.6
Montgomery	107.8	131.4	13.7	34.4	8.9	5.8	55.4	357.5	1.9	355.5
Muscatine	486.1	152.2	14.5	161.8	129.0	129.8	86.2	1159.8	5.2	1154.6
O'Brien	131.0	259.7	21.0	50.3	7.1	2.4	41.8	513.2	2.6	510.6
Osceola	50.5	168.3	15.7	17.5	5.6	6.8	25.0	289.5	1.2	288.3
Page	148.3	163.8	9.2	51.5	11.2	11.8	47.4	443.1	2.7	440.4
Palo Alto	85.5	217.9	24.0	31.1	3.5	1.3	33.3	396.6	1.8	394.8
Plymouth	331.3	365.2	39.5	89.5	11.8	12.4	93.8	943.5	3.3	940.1
Pocahontas	56.7	290.6	14.0	28.2	3.4	1.3	42.1	436.2	1.7	434.5
Polk	5100.3	155.4	10.3	3872.2	282.0	207.2	796.1	10423.7	42.0	10381.7
Pottawattamie	1045.6	364.3	47.4	530.2	58.4	3.5	348.8	2398.2	12.2	2385.9
Poweshiek	222.8	205.5	26.2	66.2	19.6	16.5	77.5	634.2	2.7	631.5
Ringgold	49.8	74.5	20.2	9.4	1.3	0.9	21.9	177.9	1.0	176.9
Sac	106.3	263.9	27.4	30.6	4.3	1.6	34.2	468.4	2.1	466.2
Scott	2155.8	188.5	27.7	1208.9	248.1	256.0	390.4	4475.5	21.3	4454.1
Shelby	120.3	243.0	25.3	27.5	3.4	1.5	41.6	462.7	2.0	460.6
Sioux	314.2	371.2	52.0	80.8	33.3	16.2	79.1	946.8	3.7	943.1
Story	960.0	263.3	18.3	613.4	47.3	31.2	100.5	2034.0	6.9	2027.1
Tama	165.6	284.8	13.9	43.8	15.5	6.2	65.9	595.8	2.9	592.9
Taylor	39.0	106.8	9.8	10.1	0.7	0.3	20.3	186.9	1.3	185.7
Union	105.7	81.9	7.2	45.1	10.3	10.2	47.9	308.2	1.8	306.4
Van Buren	55.6	86.5	9.6	9.6	3.4	2.1	18.5	185.4	1.3	184.1
Wapello	329.4	96.0	12.4	123.9	35.7	15.7	134.2	747.4	6.5	740.9
Warren	530.1	124.9	16.3	115.6	4.6	1.9	103.2	896.6	4.9	891.8
Washington	216.5	201.4	20.3	66.2	16.3	10.8	60.0	591.6	2.7	589.0
Wayne	44.7	87.9	9.6	10.7	0.7	0.7	37.6	191.9	1.1	190.8
Webster	385.8	338.2	15.6	200.3	39.6	26.5	118.7	1124.6	6.2	1118.5
Winnebago	102.9	181.7	11.4	34.4	9.1	4.9	27.1	371.5	1.8	369.7
Winneshiek	196.7	202.2	30.4	74.1	10.4	9.5	41.8	565.1	2.5	562.6
Woodbury	1189.3	276.2	19.8	408.8	93.0	46.7	493.7	2527.5	13.8	2513.7
Worth	57.2	163.0	8.3	17.7	0.6	0.4	45.1	292.4	1.3	291.1
Wright	121.2	262.0	26.1	43.4	22.6	21.8	60.5	557.4	2.3	555.2
State of Iowa	34149.9	19781.9	2152.8	15723.4	3016.2	2290.1	8719.2	85833.6	397.1	85436.5

Table 2. Fiscal 1997 Taxable Valuations (in \$1,000,000s) by Property Type in Iowa's Counties.

County	Residential	Agricultural Land	Agricultural Buildings	Commercial	Industrial	Machinery/ Equipment	All Other	Gross Valuation	Military Exempt	Net Taxable Valuation
Adair	69.6	177.4	15.1	24.6	4.7	3.9	46.6	342.0	1.4	340.6
Adams	33.2	103.0	11.6	10.2	3.1	4.1	39.2	204.3	0.8	203.5
Allamakee	133.5	154.8	37.7	43.7	9.5	7.6	85.0	471.8	2.0	469.8
Appanoose	99.8	72.4	8.5	28.5	10.9	16.6	44.4	281.1	2.3	278.8
Audubon	53.1	163.2	12.4	14.1	2.1	0.0	21.5	266.4	1.2	265.2
Benton	259.2	263.5	29.0	49.7	5.2	3.9	68.5	679.1	3.5	675.6
Black Hawk	1223.7	183.7	26.1	569.3	127.5	131.0	182.4	2443.6	8.9	2424.7
Boone	248.0	227.6	16.6	81.0	18.4	8.3	90.3	690.1	4.0	686.0
Bremer	287.6	153.4	31.0	76.3	20.8	24.2	34.7	628.0	3.3	624.7
Buchanan	196.9	246.2	26.2	45.2	12.6	8.5	40.3	575.8	3.1	572.7
Buena Vista	182.6	250.1	25.6	84.3	17.0	9.6	49.9	619.1	3.0	616.1
Butler	139.5	211.7	17.3	31.5	5.0	3.8	39.3	448.0	2.6	445.4
Calhoun	98.0	275.9	7.7	36.5	2.7	1.3	37.9	460.0	2.1	458.0
Carroll	225.8	204.1	45.6	124.0	33.5	21.8	55.8	710.5	3.1	707.4
Cass	130.0	195.1	21.5	48.9	8.3	8.9	52.1	464.7	2.5	462.3
Cedar	219.8	249.1	34.4	51.3	17.9	6.6	54.5	633.6	2.5	631.1
Cerro Gordo	557.5	230.3	1.0	271.7	90.8	61.8	121.0	1334.1	7.9	1326.1
Cherokee	119.6	242.9	34.5	43.6	17.0	5.1	32.3	495.0	2.5	492.5
Chickasaw	125.2	178.3	16.8	34.7	14.8	13.4	28.5	411.7	2.0	409.7
Clarke	64.9	65.0	9.0	27.2	10.7	4.9	36.9	218.5	1.3	217.2
Clay	190.8	233.0	16.8	98.7	20.1	14.9	44.9	621.2	2.6	618.6
Clayton	164.7	222.4	40.0	48.0	10.1	6.3	49.2	540.7	2.8	537.9
Clinton	483.0	296.5	33.2	185.8	104.3	177.4	138.9	1419.1	8.5	1410.6
Crawford	114.2	252.8	34.4	46.9	11.6	7.7	48.4	516.0	2.4	513.6
Dallas	506.6	210.8	23.6	211.7	25.4	26.5	137.1	1141.6	4.7	1136.9
Davis	57.3	69.7	11.8	13.4	2.4	2.3	13.9	170.8	1.2	169.5
Decatur	44.0	67.7	8.2	17.8	4.2	1.7	25.8	169.4	1.2	168.2
Delaware	207.7	216.2	45.0	48.0	15.3	10.9	48.2	591.4	2.4	589.0
Des Moines	455.4	109.1	21.0	195.6	72.8	59.7	113.3	1026.8	7.3	1019.5
Dickinson	505.0	142.8	6.5	127.6	22.9	6.1	50.5	861.3	3.0	858.4
Dubuque	1166.1	150.6	64.2	483.3	142.7	92.8	132.0	2231.7	12.5	2219.2
Emmet	80.6	165.9	6.8	30.1	9.6	6.3	25.4	324.7	2.0	322.6
Fayette	169.0	285.9	43.2	49.0	13.8	8.4	51.0	620.3	3.5	616.8

Table 2. Fiscal 1997 Taxable Valuations (in \$1,000,000s) by Property Type in Iowa's Counties (continued).

County	Residential	Agricultural Land	Agricultural Buildings	Commercial	Industrial	Machinery/ Equipment	All Other	Gross Valuation	Military Exempt	Net Taxable Valuation
Floyd	153.6	179.9	19.1	47.5	31.2	9.6	40.9	481.7	2.8	478.9
Franklin	79.9	249.4	19.1	27.2	20.2	4.7	71.8	472.4	1.7	470.6
Fremont	62.1	187.3	15.3	25.5	17.2	26.0	37.7	371.0	1.4	369.6
Greene	80.3	260.7	11.8	36.7	8.0	8.7	40.4	446.6	1.7	444.8
Grundy	114.0	245.7	20.7	30.2	16.3	5.8	39.2	471.9	2.0	469.9
Guthrie	143.1	184.3	12.6	29.2	4.6	1.2	42.4	417.4	2.0	415.3
Hamilton	152.5	240.2	36.6	68.0	40.1	36.6	49.3	623.5	2.6	620.9
Hancock	93.6	246.8	14.3	28.7	29.1	20.8	98.1	531.3	1.9	529.4
Hardin	154.6	249.4	21.6	63.5	15.7	15.5	71.5	591.8	3.3	588.5
Harrison	133.2	219.6	23.2	28.7	3.9	1.7	75.0	485.3	2.3	483.0
Henry	181.7	123.2	13.5	86.3	27.9	22.4	33.0	488.2	2.5	485.7
Howard	76.6	167.9	15.6	26.8	11.8	3.8	20.8	323.3	1.5	321.8
Humboldt	98.5	204.0	13.4	36.4	10.6	3.5	44.6	410.9	2.0	408.9
Ida	64.1	187.3	17.2	23.0	11.9	4.7	23.4	331.5	1.4	330.0
Iowa	173.6	169.7	26.4	65.9	43.3	62.7	62.5	604.0	2.2	601.8
Jackson	200.5	172.0	25.9	53.8	12.2	10.6	42.5	517.6	2.9	514.7
Jasper	410.6	222.9	36.1	128.9	47.3	55.0	90.0	990.8	5.3	985.4
Jefferson	177.8	108.7	12.9	62.0	14.4	20.9	55.5	452.1	1.9	450.2
Johnson	1513.3	158.0	25.8	877.9	60.4	80.4	199.5	2915.4	8.0	2907.3
Jones	187.7	187.0	29.8	42.8	10.1	11.8	49.2	518.4	2.7	515.7
Keokuk	82.9	175.7	30.1	25.0	8.7	3.7	63.9	389.9	2.0	387.9
Kossuth	144.5	439.6	24.1	46.8	36.8	12.2	90.6	794.6	2.9	791.7
Lee	340.6	107.2	17.5	111.1	80.5	93.1	138.3	888.3	6.4	882.0
Linn	2722.7	207.0	14.4	1379.7	300.9	391.2	514.4	5530.3	26.0	5504.3
Louisa	87.9	134.1	11.3	24.6	12.2	8.6	127.9	406.6	1.6	405.0
Lucas	66.4	57.8	10.6	39.3	2.2	2.6	34.0	212.9	1.5	211.4
Lyon	106.6	224.3	18.8	25.3	4.6	1.2	36.0	416.7	1.7	415.1
Madison	147.5	120.6	23.6	30.9	8.2	3.1	62.0	395.9	1.8	394.1
Mahaska	208.7	172.1	32.6	76.3	20.3	8.5	77.8	596.3	3.0	593.3
Marion	325.3	132.8	12.5	95.3	49.7	63.6	69.1	748.3	3.8	744.5
Marshall	399.0	215.6	23.1	144.9	47.8	37.6	142.3	1010.2	6.4	1003.8
Mills	157.6	149.4	15.9	28.0	1.6	1.6	85.7	439.8	1.9	437.9
Mitchell	94.1	191.6	16.4	24.7	12.7	12.0	22.5	373.9	1.8	372.1

Table 2. Fiscal 1997 Taxable Valuations (in \$1,000,000s) by Property Type in Iowa's Counties (continued).

County	Residential	Agricultural Land	Agricultural Buildings	Commercial	Industrial	Machinery/ Equipment	All Other	Gross Valuation	Military Exempt	Net Taxable Valuation
Monona	77.8	211.7	18.4	23.5	2.1	2.3	56.7	392.5	1.9	390.7
Monroe	52.8	66.7	9.3	16.2	65.4	119.2	34.0	363.6	1.4	362.2
Montgomery	111.0	136.6	19.5	29.9	10.2	11.1	58.7	376.8	2.0	374.8
Muscatine	476.6	141.9	15.0	145.4	129.1	149.6	85.2	1142.9	5.3	1137.6
O'Brien	133.9	269.3	19.1	53.2	9.4	4.0	36.6	525.4	2.6	522.8
Osceola	57.4	174.5	13.0	18.2	6.7	7.3	26.6	303.7	1.3	302.5
Page	125.9	170.1	9.2	50.9	19.4	31.7	39.2	446.3	2.7	443.6
Palo Alto	75.9	232.4	19.5	30.7	3.2	2.4	32.3	396.4	1.8	394.6
Plymouth	297.5	333.0	38.1	95.7	20.2	19.0	80.8	884.3	3.4	880.9
Pocahontas	58.7	269.2	13.8	29.2	3.7	2.3	42.8	419.7	1.8	417.9
Polk	4813.1	139.3	8.1	3853.5	261.6	275.2	647.1	9997.9	43.8	9954.1
Pottawattamie	888.2	338.2	41.9	422.0	60.6	3.4	305.6	2060.0	12.6	2047.4
Poweshiek	205.7	185.6	26.7	69.4	23.4	20.7	71.1	602.6	2.7	599.9
Ringgold	45.1	86.7	14.7	8.7	1.4	1.0	20.6	178.3	1.0	177.3
Sac	100.5	248.9	25.7	25.9	3.5	1.7	32.2	438.4	2.2	436.2
Scott	2065.0	176.6	27.8	1094.0	263.4	303.0	431.1	4360.9	21.9	4338.9
Shelby	125.6	229.5	23.5	33.4	4.2	2.4	39.4	458.0	2.1	455.9
Sioux	319.9	328.2	54.3	95.9	38.4	18.3	72.5	927.6	3.8	923.8
Story	914.6	232.5	15.5	539.1	46.1	36.9	95.8	1880.6	7.1	1873.5
Tama	151.6	268.4	14.1	49.6	17.2	6.4	64.6	572.0	2.9	569.1
Taylor	34.4	110.8	11.8	9.0	2.6	1.9	17.8	188.5	1.3	187.2
Union	96.7	82.1	6.9	44.4	10.2	11.6	52.1	303.8	1.8	302.0
Van Buren	55.4	79.7	9.9	9.0	3.4	2.6	18.6	178.6	1.3	177.2
Wapello	319.9	99.9	12.8	111.7	35.4	22.8	133.6	736.2	6.7	729.4
Warren	497.0	118.4	15.5	93.5	6.1	3.6	94.1	828.2	5.0	823.2
Washington	228.1	191.2	17.1	70.9	15.6	12.0	62.2	597.2	2.7	594.5
Wayne	39.6	86.5	10.4	12.4	5.5	5.7	45.8	205.9	1.1	204.7
Webster	370.4	302.8	12.1	207.0	44.6	34.6	134.0	1105.5	6.5	1099.0
Winnebago	98.3	171.5	11.4	33.8	10.0	9.1	27.2	361.3	1.8	359.5
Winneshiek	197.2	204.1	36.1	65.5	9.4	11.2	36.5	560.0	2.6	557.5
Woodbury	1056.1	258.7	17.7	626.7	89.5	77.7	434.6	2561.0	14.7	2546.3
Worth	65.3	161.3	8.5	17.0	3.3	2.4	41.6	299.4	1.3	298.1
Wright	118.6	271.3	20.4	49.8	22.9	22.6	60.1	565.7	2.4	563.3
State of Iowa	32020.8	18940.5	2063.9	15128.2	3157.8	3047.4	8122.6	82480.4	410.5	82069.3

Table 3. Fiscal 1995 Taxable Valuations (in \$1,000,000s) by Property Type in Iowa's Counties.

County	Residential	Agricultural Land	Agricultural Buildings	Commercial	Industrial	Machinery/ Equipment	All Other	Gross Valuation	Military Exempt	Net Taxable Valuation
Adair	67.1	177.6	14.2	23.3	4.2	3.5	41.2	331.0	1.4	329.6
Adams	32.0	103.1	10.8	8.1	6.4	0.0	33.4	193.8	0.8	192.9
Allamakee	125.7	133.1	37.7	40.3	8.2	6.7	84.0	435.7	2.0	433.7
Appanoose	96.4	68.5	7.8	29.0	10.7	15.9	34.8	263.2	2.4	260.8
Audubon	49.1	175.5	12.1	13.7	1.9	0.0	23.2	275.6	1.3	274.3
Benton	230.4	263.9	28.8	46.9	5.4	5.4	59.8	640.6	3.5	637.1
Black Hawk	1301.1	193.7	28.4	468.9	111.5	125.7	177.4	2406.6	19.7	2386.8
Boone	251.7	227.9	16.6	79.7	18.2	8.2	90.3	692.7	4.2	688.5
Bremer	264.5	141.2	28.3	66.8	18.8	24.8	32.7	577.1	3.5	573.6
Buchanan	178.0	246.4	23.4	45.4	10.9	8.0	38.9	551.1	3.2	547.9
Buena Vista	180.8	272.0	28.8	85.4	15.7	10.6	45.2	638.5	3.1	635.4
Butler	126.2	223.8	18.0	26.9	4.2	3.6	34.3	437.1	2.6	434.4
Calhoun	92.0	293.6	7.3	36.9	2.6	1.3	35.4	469.1	2.1	467.0
Carroll	218.5	238.7	39.8	122.0	29.0	20.1	46.4	714.5	3.2	711.3
Cass	126.7	195.3	21.8	44.5	8.7	8.4	50.2	455.6	2.5	453.1
Cedar	191.3	249.5	33.2	46.0	17.9	6.4	42.9	587.3	2.5	584.8
Cerro Gordo	556.3	248.3	1.0	263.3	137.9	0.0	111.1	1317.8	8.1	1309.7
Cherokee	117.0	258.6	33.7	43.1	15.1	5.8	32.2	505.5	2.5	503.0
Chickasaw	119.4	178.7	15.4	32.2	14.2	12.7	25.9	398.3	2.0	396.3
Clarke	63.1	62.2	7.6	26.7	10.4	4.6	30.6	205.2	1.4	203.8
Clay	173.1	255.7	17.4	85.6	17.0	16.0	43.4	608.2	2.6	605.6
Clayton	162.9	222.7	37.9	41.4	9.2	6.2	49.9	530.1	2.8	527.3
Clinton	482.3	280.6	31.0	166.0	93.4	146.0	129.8	1329.1	8.6	1320.5
Crawford	124.3	253.0	33.4	49.6	12.4	8.3	37.5	518.5	2.5	516.1
Dallas	434.6	211.8	21.5	142.3	20.5	17.8	152.4	1001.1	4.7	996.4
Davis	55.2	67.3	11.5	12.0	2.3	2.3	13.1	163.7	1.2	162.5
Decatur	45.2	68.1	7.9	17.6	4.0	1.7	21.2	165.7	1.2	164.5
Delaware	193.7	216.6	44.5	41.1	13.5	14.2	45.8	569.3	2.4	566.9
Des Moines	432.3	101.2	19.1	206.8	68.7	74.9	98.7	1001.7	7.5	994.2
Dickinson	455.1	162.0	6.9	115.8	22.0	6.8	46.6	815.2	3.0	812.2
Dubuque	1074.0	141.4	59.4	414.2	138.0	86.0	129.1	2042.2	12.8	2029.4
Emmet	76.7	200.1	5.5	28.4	8.1	5.9	21.2	345.9	2.1	343.8
Fayette	159.9	286.5	44.3	52.5	12.1	9.2	48.2	612.5	3.6	609.0

Table 3. Fiscal 1995 Taxable Valuations (in \$1,000,000s) by Property Type in Iowa's Counties (continued).

County	Residential	Agricultural Land	Agricultural Buildings	Commercial	Industrial	Machinery/ Equipment	All Other	Gross Valuation	Military Exempt	Net Taxable Valuation
Floyd	142.7	191.4	18.0	45.0	18.6	9.6	39.0	464.3	2.9	461.4
Franklin	86.5	278.8	24.9	24.2	14.5	5.7	63.0	497.5	1.8	495.7
Fremont	60.8	187.5	15.2	25.8	15.1	21.9	32.2	358.4	1.4	357.0
Greene	81.8	261.1	10.6	34.7	7.8	8.1	34.9	439.0	1.8	437.2
Grundy	112.1	234.5	19.9	30.5	14.9	5.5	38.5	456.0	2.0	454.0
Guthrie	121.0	184.3	10.8	29.3	4.4	2.0	40.2	392.0	2.1	389.9
Hamilton	152.4	260.6	28.1	57.9	31.0	34.7	47.4	612.1	2.7	609.3
Hancock	107.4	277.6	14.6	31.3	26.9	17.6	103.9	579.4	1.9	577.4
Hardin	138.5	259.9	19.2	57.0	14.2	16.1	62.2	567.1	3.5	563.7
Harrison	128.6	219.9	22.7	29.4	3.1	1.7	50.4	455.8	2.3	453.5
Henry	180.3	123.4	13.1	83.1	28.6	18.2	26.1	472.7	2.6	470.2
Howard	75.4	167.3	16.5	25.5	6.3	4.5	18.3	313.8	1.5	312.3
Humboldt	97.0	226.8	12.1	36.5	8.4	3.2	40.1	423.9	2.0	421.9
Ida	62.6	197.2	17.8	23.7	11.9	4.1	22.6	339.8	1.5	338.4
Iowa	162.7	170.3	26.1	51.4	39.6	59.2	56.0	565.4	2.3	563.1
Jackson	178.4	150.4	25.3	52.5	10.5	9.5	39.1	465.7	3.0	462.7
Jasper	411.8	223.5	34.5	106.8	43.7	41.7	73.9	935.9	5.5	930.4
Jefferson	176.6	109.0	12.4	58.9	13.0	22.8	42.1	434.9	1.9	433.0
Johnson	1386.1	159.2	25.7	757.7	56.4	69.1	183.7	2638.1	8.1	2630.0
Jones	169.7	187.4	29.4	41.1	9.8	11.0	48.7	497.2	2.8	494.4
Keokuk	84.4	176.1	29.3	21.2	8.1	3.9	59.5	382.5	2.0	380.4
Kossuth	137.9	503.0	26.3	46.5	36.1	11.3	81.4	842.5	3.0	839.5
Lee	307.0	91.3	14.3	127.3	77.8	91.8	119.4	829.0	6.5	822.4
Linn	2606.3	206.3	6.1	1192.6	264.7	380.1	464.0	5120.2	26.7	5093.5
Louisa	91.4	126.4	10.5	20.8	11.1	8.1	135.9	404.1	1.7	402.4
Lucas	66.0	54.6	10.0	37.7	2.6	2.6	23.1	196.6	1.5	195.1
Lyon	91.4	224.4	16.8	26.8	4.2	1.3	28.9	394.0	1.7	392.3
Madison	129.1	120.7	23.2	25.2	6.2	2.6	63.9	370.9	1.8	369.1
Mahaska	190.3	172.9	29.6	67.1	18.4	8.6	71.2	558.2	3.1	555.2
Marion	306.3	133.3	12.3	85.4	40.4	52.9	56.0	686.7	3.9	682.8
Marshall	365.7	216.4	23.1	121.1	46.7	37.9	120.9	931.7	6.7	925.1
Mills	139.9	149.5	15.5	27.6	1.0	1.6	89.8	424.7	1.9	422.8
Mitchell	89.7	199.5	15.2	24.3	10.3	10.1	23.3	372.4	1.8	370.5

Table 3. Fiscal 1995 Taxable Valuations (in \$1,000,000s) by Property Type in Iowa's Counties (continued).

County	Residential	Agricultural Land	Agricultural Buildings	Commercial	Industrial	Machinery/ Equipment	All Other	Gross Valuation	Military Exempt	Net Taxable Valuation
Monona	74.4	211.9	17.7	23.4	2.1	2.1	50.9	382.5	1.9	380.6
Monroe	55.4	62.6	8.5	16.3	49.2	104.6	21.1	317.7	1.4	316.3
Montgomery	98.0	136.7	17.9	29.2	10.1	10.1	51.8	353.8	2.0	351.8
Muscatine	459.1	143.2	15.0	154.5	126.1	141.4	86.4	1125.7	5.5	1120.2
O'Brien	124.6	301.0	19.5	52.0	8.9	3.7	34.5	544.2	2.7	541.5
Osceola	52.0	199.0	15.3	18.6	6.0	8.1	20.3	319.2	1.3	318.0
Page	125.7	157.3	9.1	51.2	15.1	28.0	36.5	423.0	2.8	420.2
Palo Alto	75.1	273.8	17.1	30.4	2.8	2.2	26.3	427.7	1.8	425.8
Plymouth	274.0	310.5	47.7	85.5	14.8	14.5	65.5	812.5	3.4	809.1
Pocahontas	60.4	290.0	14.9	31.4	3.6	2.9	36.5	439.7	1.8	437.9
Polk	4552.7	142.9	6.9	3485.3	253.7	323.9	567.6	9333.0	45.4	9287.7
Pottawattamie	853.3	338.9	41.2	382.9	62.0	6.9	268.9	1954.2	13.1	1941.0
Poweshiek	186.3	185.8	26.3	62.1	19.2	18.7	56.9	555.3	2.8	552.6
Ringgold	41.9	86.7	13.6	7.7	1.4	1.0	17.7	170.1	1.0	169.1
Sac	97.1	249.2	36.4	31.1	4.0	1.9	29.2	448.8	2.2	446.6
Scott	2029.8	164.4	27.1	921.5	237.4	283.8	366.6	4030.6	22.6	4008.1
Shelby	124.8	229.8	23.7	36.1	4.5	2.8	31.4	453.1	2.1	451.0
Sioux	279.1	348.8	45.5	94.9	42.1	19.9	58.5	888.9	3.8	885.1
Story	879.7	233.4	14.9	460.2	42.3	35.8	75.5	1741.7	7.3	1734.4
Tama	132.8	269.2	23.2	48.9	16.9	8.2	58.4	557.5	3.0	554.6
Taylor	38.6	110.9	11.7	8.6	1.8	1.7	15.2	188.5	1.4	187.1
Union	94.4	82.4	6.9	44.5	7.5	6.6	40.7	283.0	1.9	281.1
Van Buren	48.4	76.2	9.1	7.9	2.7	2.4	16.7	163.4	1.3	162.1
Wapello	291.0	94.8	12.1	102.8	36.8	27.2	123.4	688.2	6.9	681.4
Warren	481.6	119.1	15.2	98.9	3.8	3.7	94.9	817.2	5.0	812.1
Washington	199.7	191.5	15.8	56.2	15.1	11.1	56.6	546.1	2.8	543.3
Wayne	42.6	86.6	10.2	12.0	3.3	2.9	34.9	192.5	1.2	191.3
Webster	382.1	318.9	11.5	209.3	43.2	32.8	119.8	1117.6	6.7	1110.9
Winnebago	105.4	194.5	10.6	33.1	10.4	8.8	22.7	385.5	1.8	383.7
Winneshiek	185.4	194.8	37.9	65.7	8.2	9.0	37.4	538.4	2.6	535.8
Woodbury	1007.8	257.9	17.2	611.4	82.4	80.1	406.9	2463.8	14.8	2449.0
Worth	64.7	173.6	8.4	16.3	2.8	2.2	38.9	306.8	1.4	305.5
Wright	124.9	304.6	15.9	43.7	22.9	24.2	47.5	583.9	2.5	581.4
State of Iowa	30537.6	19403.7	2007.9	13682.3	2942.5	2879.5	7322.8	78776.3	421.4	78354.9

Table 4. Percent of Total Taxable Valuations for Selected Types of Property in Iowa's Counties, 1995, 1997, and 1999.

County	1999				1997				1995			
	Residential	Agricultural*	Commercial/ Industrial	Other	Residential	Agricultural*	Commercial/ Industrial	Other	Residential	Agricultural*	Commercial/ Industrial	Other
Adair	20.7	55.5	9.2	14.6	20.4	56.3	8.6	14.8	20.3	57.9	8.3	13.5
Adams	16.2	58.4	6.7	18.7	16.2	56.1	6.5	21.2	16.5	58.8	7.5	17.2
Allamakee	29.4	39.4	11.2	20.0	28.3	40.8	11.3	19.6	28.9	39.2	11.1	20.8
Appanoose	36.6	27.1	16.3	20.1	35.5	28.8	14.0	21.7	36.6	29.0	15.1	19.3
Audubon	19.6	63.3	6.1	10.9	19.9	65.9	6.1	8.1	17.8	68.1	5.7	8.4
Benton	37.7	43.8	8.0	10.6	38.2	43.1	8.1	10.7	36.0	45.7	8.2	10.2
Black Hawk	49.9	9.0	29.2	11.9	50.1	8.6	28.5	12.8	54.1	9.2	24.1	12.6
Boone	37.2	36.5	12.7	13.6	35.9	35.4	14.4	14.3	36.3	35.3	14.1	14.2
Bremer	46.9	30.8	14.7	7.6	45.8	29.4	15.5	9.4	45.8	29.4	14.8	10.0
Buchanan	35.6	44.6	11.3	8.5	34.2	47.3	10.0	8.5	32.3	49.0	10.2	8.5
Buena Vista	29.0	44.5	16.9	9.6	29.5	44.5	16.4	9.6	28.3	47.1	15.8	8.7
Butler	31.1	51.8	7.6	9.5	31.1	51.1	8.1	9.6	28.9	55.3	7.1	8.7
Calhoun	21.2	61.2	8.9	8.7	21.3	61.7	8.5	8.5	19.6	64.1	8.4	7.8
Carroll	32.6	36.5	20.0	10.9	31.8	35.1	22.2	10.9	30.6	39.0	21.1	9.3
Cass	30.5	44.8	10.9	13.8	28.0	46.6	12.3	13.1	27.8	47.7	11.7	12.9
Cedar	34.9	43.8	11.9	9.4	34.7	44.7	10.9	9.6	32.6	48.1	10.9	8.4
Cerro Gordo	45.4	18.0	23.6	13.0	41.8	17.3	27.2	13.7	42.2	18.9	30.4	8.4
Cherokee	26.2	52.9	12.8	8.2	24.2	56.0	12.2	7.6	23.1	57.8	11.5	7.5
Chickasaw	30.1	49.3	11.6	9.0	30.4	47.4	12.0	10.2	30.0	48.7	11.6	9.7
Clarke	33.0	31.4	17.9	17.6	29.7	33.9	17.3	19.1	30.8	34.0	18.1	17.2
Clay	31.2	38.9	21.0	8.9	30.7	40.5	19.1	9.6	28.5	44.9	16.9	9.8
Clayton	32.1	45.4	11.6	11.0	30.5	48.5	10.7	10.3	30.7	49.2	9.5	10.6
Clinton	34.3	23.6	20.3	21.8	34.0	23.2	20.4	22.3	36.3	23.4	19.5	20.8
Crawford	22.6	55.6	11.2	10.6	22.1	55.7	11.3	10.9	24.0	55.2	12.0	8.8
Dallas	46.1	20.2	18.5	15.2	44.4	20.5	20.8	14.3	43.4	23.3	16.3	17.0
Davis	37.9	44.9	8.7	8.6	33.5	47.7	9.3	9.5	33.7	48.1	8.7	9.4
Decatur	28.7	45.6	12.1	13.7	26.0	44.8	13.0	16.2	27.3	45.9	13.0	13.8
Delaware	34.0	44.5	10.4	11.0	35.1	44.2	10.7	10.0	34.0	45.9	9.6	10.5
Des Moines	44.0	13.8	25.7	16.4	44.3	12.7	26.1	16.8	43.2	12.0	27.5	17.3
Dickinson	59.2	16.9	17.3	6.6	58.6	17.3	17.5	6.6	55.8	20.7	16.9	6.6
Dubuque	52.9	9.6	28.3	9.2	52.3	9.6	28.1	10.1	52.6	9.8	27.0	10.5
Emmet	25.9	52.9	11.8	9.4	24.8	53.2	12.2	9.8	22.2	59.4	10.6	7.8
Fayette	26.5	52.6	11.2	9.7	27.2	53.1	10.1	9.6	26.1	54.0	10.5	9.4

*Includes both agricultural land and buildings.

Table 4. Percent of Total Taxable Valuations for Selected Types of Property in Iowa's Counties, 1995, 1997, and 1999 (continued).

County	1999				1997				1995			
	Residential	Agricultural*	Commercial/ Industrial	Other	Residential	Agricultural*	Commercial/ Industrial	Other	Residential	Agricultural*	Commercial/ Industrial	Other
Floyd	32.6	44.7	12.5	10.2	31.9	41.3	16.3	10.5	30.7	45.1	13.7	10.5
Franklin	18.2	57.4	8.1	16.2	16.9	56.8	10.0	16.2	17.4	61.0	7.8	13.8
Fremont	18.4	54.2	10.0	17.3	16.7	54.6	11.5	17.2	17.0	56.5	11.4	15.1
Greene	17.4	63.6	8.6	10.4	18.0	61.0	10.0	11.0	18.6	61.9	9.7	9.8
Grundy	27.2	56.2	7.8	8.8	24.2	56.5	9.9	9.5	24.6	55.8	10.0	9.7
Guthrie	34.3	45.9	8.8	10.9	34.3	47.2	8.1	10.4	30.9	49.8	8.6	10.8
Hamilton	27.8	46.1	16.7	9.4	24.5	44.4	17.3	13.8	24.9	47.2	14.5	13.4
Hancock	19.8	47.8	10.0	22.3	17.6	49.1	10.9	22.4	18.5	50.4	10.0	21.0
Hardin	26.7	46.2	12.9	14.3	26.1	45.8	13.4	14.7	24.4	49.2	12.6	13.8
Harrison	30.6	48.3	6.8	14.3	27.4	50.0	6.7	15.8	28.2	53.2	7.1	11.4
Henry	35.8	32.3	22.3	9.6	37.2	28.0	23.4	11.4	38.1	28.9	23.6	9.4
Howard	25.6	56.7	10.1	7.5	23.7	56.8	11.9	7.6	24.0	58.6	10.1	7.3
Humboldt	25.7	50.8	11.8	11.7	24.0	52.9	11.4	11.7	22.9	56.3	10.6	10.2
Ida	17.1	63.5	10.7	8.7	19.3	61.7	10.5	8.5	18.4	63.3	10.5	7.9
Iowa	31.3	34.3	15.2	19.2	28.7	32.5	18.1	20.7	28.8	34.7	16.1	20.4
Jackson	41.0	35.3	13.4	10.3	38.7	38.2	12.8	10.3	38.3	37.7	13.5	10.4
Jasper	43.2	28.0	15.2	13.5	41.4	26.1	17.8	14.6	44.0	27.6	16.1	12.4
Jefferson	37.9	28.8	19.6	13.7	39.3	26.9	16.9	16.9	40.6	27.9	16.5	14.9
Johnson	52.6	6.5	32.1	8.7	51.9	6.3	32.2	9.6	52.5	7.0	30.9	9.6
Jones	36.5	43.1	8.8	11.6	36.2	41.8	10.2	11.8	34.1	43.6	10.2	12.0
Keokuk	24.8	51.8	8.5	14.9	21.3	52.8	8.6	17.3	22.1	53.7	7.7	16.6
Kossuth	17.3	58.6	11.6	12.5	18.2	58.4	10.5	12.9	16.4	62.8	9.8	11.0
Lee	40.0	16.7	21.0	22.4	38.3	14.0	21.6	26.0	37.0	12.7	24.7	25.5
Linn	49.8	3.9	32.4	13.8	49.2	4.0	30.4	16.4	50.9	4.1	28.5	16.5
Louisa	23.4	36.3	8.2	32.1	21.6	35.8	9.1	33.6	22.6	33.9	7.9	35.6
Lucas	34.1	32.1	17.9	15.9	31.2	32.1	19.5	17.2	33.6	32.9	20.5	13.1
Lyon	23.0	61.5	6.9	8.6	25.6	58.3	7.2	8.9	23.2	61.2	7.9	7.7
Madison	41.1	34.0	8.5	16.4	37.3	36.4	9.9	16.4	34.8	38.8	8.5	17.9
Mahaska	34.8	35.1	14.3	15.9	35.0	34.3	16.2	14.5	34.1	36.3	15.3	14.3
Marion	44.2	19.7	20.4	15.7	43.5	19.4	19.4	17.7	44.6	21.2	18.3	15.9
Marshall	40.3	24.3	18.4	17.0	39.5	23.6	19.1	17.8	39.2	25.7	18.0	17.0
Mills	36.0	36.8	8.3	19.0	35.8	37.6	6.7	19.8	32.9	38.8	6.7	21.5
Mitchell	27.4	56.7	8.0	7.9	25.2	55.6	10.0	9.2	24.1	57.7	9.3	9.0

Table 4. Percent of Total Taxable Valuations for Selected Types of Property in Iowa's Counties, 1995, 1997, and 1999 (continued).

County	1999				1997				1995			
	Residential	Agricultural*	Commercial/ Industrial	Other	Residential	Agricultural*	Commercial/ Industrial	Other	Residential	Agricultural*	Commercial/ Industrial	Other
Monona	19.7	58.3	7.4	14.7	19.8	58.6	6.5	15.0	19.5	60.0	6.7	13.9
Monroe	19.1	19.3	25.0	36.6	14.5	20.9	22.4	42.1	17.4	22.4	20.6	39.6
Montgomery	30.2	40.6	12.1	17.1	29.4	41.4	10.6	18.5	27.7	43.7	11.1	17.5
Muscatine	41.9	14.4	25.1	18.6	41.7	13.7	24.0	20.5	40.8	14.1	24.9	20.2
O'Brien	25.5	54.7	11.2	8.6	25.5	54.9	11.9	7.7	22.9	58.9	11.2	7.0
Osceola	17.5	63.5	8.0	11.0	18.9	61.7	8.2	11.2	16.3	67.1	7.7	8.9
Page	33.5	39.0	14.1	13.4	28.2	40.2	15.7	15.9	29.7	39.3	15.7	15.3
Palo Alto	21.6	61.0	8.7	8.7	19.1	63.5	8.6	8.8	17.6	68.0	7.8	6.7
Plymouth	35.1	42.9	10.7	11.3	33.6	42.0	13.1	11.3	33.7	44.1	12.3	9.8
Pocahontas	13.0	69.8	7.2	9.9	14.0	67.4	7.8	10.7	13.7	69.3	8.0	9.0
Polk	48.9	1.6	39.9	9.6	48.1	1.5	41.2	9.2	48.8	1.6	40.1	9.6
Pottawattamie	43.6	17.2	24.5	14.7	43.1	18.5	23.4	15.0	43.7	19.5	22.8	14.1
Poweshiek	35.1	36.5	13.5	14.8	34.1	35.2	15.4	15.2	33.5	38.2	14.6	13.6
Ringgold	28.0	53.2	6.0	12.8	25.3	56.9	5.7	12.1	24.6	59.0	5.4	11.0
Sac	22.7	62.2	7.5	7.7	22.9	62.6	6.7	7.7	21.6	63.6	7.8	6.9
Scott	48.2	4.8	32.6	14.4	47.4	4.7	31.1	16.8	50.4	4.8	28.8	16.1
Shelby	26.0	58.0	6.7	9.3	27.4	55.2	8.2	9.1	27.5	55.9	9.0	7.5
Sioux	33.2	44.7	12.0	10.1	34.5	41.2	14.5	9.8	31.4	44.4	15.4	8.8
Story	47.2	13.8	32.5	6.5	48.6	13.2	31.1	7.1	50.5	14.3	28.8	6.4
Tama	27.8	50.1	10.0	12.1	26.5	49.4	11.7	12.4	23.8	52.4	11.8	11.9
Taylor	20.9	62.4	5.8	11.0	18.3	65.1	6.2	10.5	20.5	65.0	5.5	9.0
Union	34.3	28.9	18.0	18.8	31.8	29.3	18.0	21.0	33.4	31.6	18.4	16.7
Van Buren	30.0	51.9	7.0	11.1	31.0	50.2	6.9	11.9	29.6	52.2	6.5	11.7
Wapello	44.1	14.5	21.4	20.1	43.5	15.3	20.0	21.2	42.3	15.5	20.3	21.9
Warren	59.1	15.8	13.4	11.7	60.0	16.2	12.0	11.8	58.9	16.4	12.6	12.1
Washington	36.6	37.5	13.9	12.0	38.2	34.9	14.5	12.4	36.6	38.0	13.1	12.4
Wayne	23.3	50.8	5.9	20.0	19.2	47.1	8.7	25.0	22.1	50.3	7.9	19.6
Webster	34.3	31.5	21.3	12.9	33.5	28.5	22.8	15.3	34.2	29.6	22.6	13.7
Winnebago	27.7	52.0	11.7	8.6	27.2	50.6	12.1	10.0	27.3	53.2	11.3	8.2
Winneshiek	34.8	41.2	15.0	9.1	35.2	42.9	13.4	8.5	34.4	43.2	13.7	8.6
Woodbury	47.1	11.7	19.9	21.4	41.2	10.8	28.0	20.0	40.9	11.2	28.2	19.8
Worth	19.6	58.6	6.3	15.6	21.8	56.7	6.8	14.7	21.1	59.3	6.2	13.4
Wright	21.7	51.7	11.8	14.8	21.0	51.6	12.9	14.6	21.4	54.9	11.4	12.3
State of Iowa	39.8	25.6	21.8	12.8	38.8	25.5	22.2	13.5	38.8	27.2	21.1	13.0

Hawk, Dubuque, Johnson, Linn, Polk, Pottawattamie, Scott, and Woodbury, on the other hand, had at least \$1 billion in residential property. These differences obviously are related to the rural and urban natures of the counties. The range on the valuations of agricultural land and buildings was not as great as that for residential property, however. For example, 12 counties had less than \$100 million in agricultural land while only Clinton, Fayette, Kossuth, Plymouth, Pottawattamie, Sioux, and Webster exceeded \$300 million; these tend to have substantially more land in agriculture than many others so the high figures would be expected.

Commercial property valuations vary substantially, with those in Adams, Ringgold, and Van Buren less than \$10 million while they top \$1 billion in Linn, Polk, and Scott. Similar variations exist on industrial property. Machinery and equipment valuations also differ across counties; legislative changes now exempt machinery and equipment from the tax base, so this category will erode in coming years.

Although the state had an increase in gross property valuations of \$7.1 billion from 1995 to 1999, 15 counties reported lower numbers in the latter year. These declines tended to be rather small; only in Hancock was the drop greater than \$50 million. Gains, on the other hand, exceeded \$50 million in 34 counties. In Polk, gross valuations jumped by nearly \$1.1 billion; Linn's increase of \$747 million was the only other one greater than \$500 million.

From 1995 to 1999, residential property valuations increased by \$3.6 billion. Eighty-seven counties followed the statewide trend, led by gains greater than \$100 million in Dallas, Dubuque, Johnson, Linn, Polk, Pottawattamie, Scott, and Woodbury. Of the 12 counties with residential property valuations lower in 1999 than in 1995, none declined by \$10 million.

When valuations for agricultural land and buildings were summed and compared for 1995 and 1999, increases occurred in about two-thirds (64) of Iowa's 99 counties. For the state as a whole, valuations of agricultural land and buildings gained by \$523 million in that period.

The state (+\$2.1 billion) and most counties (67) had higher figures on the combined commercial and industrial property valuations in 1999 than four years earlier. Those with declines generally had only marginally lower figures than in 1995, although the figures in Cerro Gordo (-\$78 million) and Woodbury (-\$192 million) decreased substantially. Woodbury's decline in the commercial/industrial sector (-\$192 million) slightly outdistanced the gain that occurred in the resident valuation (+\$182 million) in that county. Although this may be the most dramatic change across the counties, many others had gains in some and declines in other categories of property tax valuation.

Notes: The values reported in this report are compiled from the annual tax district summaries data collected by the Iowa Department of Revenue and Finance and maintained for public use by the Iowa Department of Management. The values reported in these tables are higher than the values reported in other common compilations of the state's tax base. The values in these tables do not reflect any locally-determined abatements for commercial, residential, or industrial properties, which effectively lower the tax base available for general taxation. The base in this report also includes all valuations, including those in special urban renewal, urban revitalization, municipal improvement, or community college job training districts for which portions of the tax base are not available for general levies by all authorized local governments in the taxing district. Consequently, the value of property available for general taxation purposes locally often is lower than amounts reported in these tables.

Additional information about the state's property tax base is summarized annually in "The Data Book," a catalogue of government statistics compiled by the Legislative Fiscal Bureau, State Capitol, Des Moines, IA 50319. Data on the state's tax base also can be obtained from the Iowa Department of Management, Local Budgets Management Division, State Capitol, Des Moines, IA 50319. These data are not compiled into reports for public consumption on a regular basis but generally are available on request in data set form.

Federal Funds in Iowa's Counties: 1988, 1993, 1997, and 1998

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In the middle of the 1980s, the U.S. Bureau of the Census initiated a series of annual publications that summarized federal funds that were provided to counties and subcounty areas. These documents attempt to capture the major categories of federal expenditures for the specified geographic units. The data for these reports are gathered from a variety of sources within the federal government; although these data represent major expenditures in counties, not every dollar is included. In addition, some federal programs allow the State of Iowa to distribute them to counties according to decisions made within the state; these distributions may not be included in the county totals other than Polk, the location of the state capitol. This may inflate the actual totals for Polk and decrease them in other counties. The county totals include amounts to places within them as well as directly to the counties themselves.

Two general areas are listed, the first of which includes direct federal expenditures or obligations. These totaled \$14.5 billion in Iowa for 1998 (Table 1). The second area includes other federal assistance, which amounted to \$6.1 billion. Both of these general areas include subcategories that provide more detailed breakdowns of expenditures.

Direct Federal Expenditures or Obligations

In 1998, direct federal expenditures or obligations exceeded \$100 million in 24 counties. Polk was the leader with \$2.7 billion; no other county exceeded \$1 billion. In 12 counties, the amount of federal funds received through direct federal expenditures or obligations was less than \$40 million in 1998; they were under \$30 million in Adams and Ringgold. In 1988, \$9.7 billion came to Iowa through direct federal expenditures or obligations (Table 4); this increased to approximately \$12.2 billion in 1993 (Table 3) and \$13.5 billion in 1997 (Table 2). From 1988 to 1998, these expenditures increased by 50.3 percent.

The \$2.4 billion for grants awarded within counties in 1998 accounted for 16.7 percent of the total direct federal expenditures or obligations in Iowa. These funds increased \$514 million from 1993 and \$1.2 billion from 1988 (Tables 1-4). This subcategory includes a large number of federal programs in several areas (see notes at the end of this section). In 1998, 29 counties received at least \$10 million in grant awards from federal sources. Polk (\$733 million) and Johnson (\$154 million) had the largest shares in this subcategory. Adams, Grundy, and Osceola received less than \$3 million in grant awards. Six counties (Black Hawk, Johnson, Linn, Polk, Scott, Story) had more than half (51.3%) of all grant awards for the state. Polk alone received nearly a third (30.2%) of the total.

Salaries and wages totaled \$941 million in 1998. These were generated by the Department of Defense, the Postal Service, and other federal agencies for employees in Iowa. The percentage increase in salaries and wages from 1988 to 1998 was 41.2. Salaries and wages paid by federal funds in 1998 exceeded \$10 million in 11 counties, topped by Polk with \$302 million, which accounted for 32.1 percent of all salaries and wages paid by the federal government in Iowa. Polk and three others (Johnson, Linn, Scott) received half (50.4%) of all federal funds in this category. On the other hand, 22 counties each received less than \$2 million in federally paid salaries and wages.

Nearly two-fifths (38.3%) of the total direct federal expenditures or obligations went for retirement and disability payments; \$5.6 billion was received by individuals in Iowa in 1998. This includes federal employee retirement and disability benefits, Social Security payments of all types, selected Veterans Administration programs, and selected other federal programs. The increase in the amount in this

Table 1. Federal Funds (in \$1,000s) Received from Selected Programs in Iowa's Counties, 1998.

County	Direct Federal Expenditures or Obligations							Other Federal Assistance	
	Total	Grant Awards	Salaries/Wages	Retirement/Disability Payments	Other Payments to Individ.	Procurement Contract Awards	Other	Direct Loans	Guaranteed Loans and Insurance
Adair	35853	3995	1292	15921	6679	273	7693	7560	23684
Adams	23621	1955	1280	10175	4403	273	5535	4301	12032
Allamakee	55463	6737	2912	27929	9396	837	7652	4230	10645
Appanoose	65941	9801	3534	34751	13435	614	3806	3778	7553
Audubon	35946	4049	1541	15711	6529	335	7780	8457	32632
Benton	83038	8735	3156	43618	16920	865	9744	17827	65021
Black Hawk	488686	81326	29955	243564	115659	7162	11020	39251	92362
Boone	126646	36522	6726	53612	19039	1005	9742	3817	48976
Bremer	81470	6380	2638	43903	18852	969	8728	13481	36612
Buchanan	78803	9875	2769	37726	15301	658	12474	14894	46371
Buena Vista	88951	7368	5573	40333	19038	5484	11156	25447	51867
Butler	69947	6840	2117	33755	14859	519	11857	8900	35834
Calhoun	58160	5160	2119	28157	11453	533	10738	4896	51784
Carroll	94753	14945	4697	44907	19332	1017	9855	7844	49951
Cass	71573	7561	3564	35095	15657	645	9051	9800	36553
Cedar	67252	5606	4289	30766	12163	590	13838	13320	47826
Cerro Gordo	218012	43901	8650	103916	42880	5683	12981	19980	61259
Cherokee	61930	6425	2553	30959	11692	553	9748	8871	48174
Chickasaw	74650	5165	2290	25908	10436	21246	9605	14640	30969
Clarke	34982	4546	1460	16354	6985	379	5258	2879	8299
Clay	85478	7449	3833	35207	13469	756	24764	13296	50296
Clayton	78594	7362	4346	38222	14900	819	12945	10124	24190
Clinton	207128	28421	6677	107174	46797	1612	16448	17433	61417
Crawford	79466	10696	4225	32145	14713	6942	10744	15845	68299
Dallas	115188	16396	4693	60887	22772	1034	9406	18739	50609
Davis	34638	4976	1506	15993	6266	335	5562	4336	27779
Decatur	39833	7688	1777	17342	7451	411	5164	4418	8138
Delaware	66980	6026	2554	28541	10660	5734	13465	12979	37843
Des Moines	230704	28143	9241	94865	39315	52612	6528	5103	34438
Dickinson	66755	4721	2326	39262	12906	583	6956	6181	31046
Dubuque	317393	46811	15716	165574	75126	4208	9957	5967	29703
Emmet	58594	7196	2239	26117	11715	2716	8611	12978	36565
Fayette	96183	10146	4576	45656	19782	1229	14794	15451	47043
Floyd	80927	10013	2753	40302	16880	608	10371	16250	38587
Franklin	51064	4785	1891	22695	8388	440	12865	16783	49022
Fremont	42491	5043	1546	18865	8858	965	7214	7577	43295
Greene	50483	3518	2232	25125	8690	496	10422	4572	51357
Grundy	51066	2780	1788	25493	9456	446	11103	8074	36228
Guthrie	53380	5408	2543	26451	9705	614	8658	5067	31285
Hamilton	70343	5920	2487	34760	14965	632	11579	10704	53559
Hancock	52993	4125	2190	24584	9239	512	12343	13762	50894
Hardin	93760	8308	4032	46592	18174	4631	12023	12477	48637
Harrison	73634	9409	4024	33844	15369	966	10023	8291	54450
Henry	73537	9255	3351	37864	13742	752	8573	5722	22889
Howard	43116	4287	1483	19556	8149	530	9111	11982	29263
Humboldt	53484	7268	2640	24795	9504	558	8718	6807	44352
Ida	42754	8754	1548	17592	6609	335	7916	9331	41834
Iowa	60817	4715	3069	29853	10551	694	11935	6111	30250
Jackson	83444	8374	3514	41193	18689	755	10918	5742	20214
Jasper	137930	14298	4999	71890	28350	5781	12612	13669	49469

Table 1. Federal Funds (in \$1,000s) Received from Selected Programs in Iowa's Counties, 1998 (continued).

County	Direct Federal Expenditures or Obligations							Other Federal Assistance	
	Total	Grant Awards	Salaries/Wages	Retirement/Disability Payments	Other Payments to Indiv.	Procurement Contract Awards	Other	Direct Loans	Guaranteed Loans and Insurance
Jefferson	56854	7176	4193	26325	11560	655	6945	6160	19997
Johnson	562998	153670	63113	115679	51435	168267	10834	48239	77715
Jones	69668	6349	2482	35101	12911	1353	11472	12409	35971
Keokuk	60183	4862	2763	27727	11262	682	12887	9936	30689
Kossuth	84410	6708	3810	37785	14158	931	21017	27633	96641
Lee	157397	24942	6544	81409	36361	1634	6507	5852	31341
Linn	976164	95208	51785	320034	117422	379014	12701	21951	138867
Louisa	49559	6962	2260	21503	7708	2961	8165	6004	26445
Lucas	43417	5174	1865	22464	8773	429	4712	2067	7151
Lyon	45514	3707	1705	21985	8403	741	8973	10883	47091
Madison	49239	5327	2106	24746	10703	508	5848	4069	20561
Mahaska	100520	22016	3659	42989	19220	1833	10804	6677	30673
Marion	147253	11993	31644	71080	23542	2362	6632	17962	23294
Marshall	183283	36721	6346	86182	30278	11878	11878	15495	49531
Mills	89546	38411	2646	29498	12089	613	6289	4786	37338
Mitchell	50603	3339	1883	25735	9909	484	9253	12886	39843
Monona	57956	6066	2295	25830	12790	674	10301	5980	39874
Monroe	40017	4808	1463	19875	10052	285	3534	922	8038
Montgomery	58364	6579	2708	28184	13703	537	6654	5701	29329
Muscatine	139378	15790	5557	73562	27393	9098	7978	8159	42250
O'Brien	67950	5510	3106	34322	13704	675	10633	11069	44694
Osceola	30997	1557	1305	14754	5682	298	7401	6108	36105
Page	76960	9234	3314	40128	16112	769	7404	4345	27320
Palo Alto	55903	7326	2018	24427	9987	524	11621	11806	45637
Plymouth	91382	9034	4672	43345	17168	3088	14075	12435	80462
Pocahontas	49685	3991	1983	22258	9446	409	11598	6057	51316
Polk	2663608	733055	301679	622060	274441	79788	652585	11734	341356
Pottawattamie	650873	52238	11453	179278	72523	2699	332682	11573	163162
Poweshiek	77052	7661	2583	38392	15894	805	11717	10282	29536
Ringgold	29463	3055	1423	12726	4937	347	6974	2894	12773
Sac	56269	4727	2269	28383	10751	508	9631	9431	58492
Scott	632863	97883	57878	316125	110696	39255	11026	13565	162234
Shelby	65700	7992	2529	28170	15628	558	10824	7334	52516
Sioux	101643	8376	4561	49106	21061	3226	15314	12231	68673
Story	332209	82697	40685	106618	48968	42134	11107	13122	83246
Tama	79577	9758	3529	36714	14551	744	14281	13165	42954
Taylor	36507	4506	1768	15906	6578	413	7335	4800	16668
Union	62564	8502	3860	29370	14819	1102	4911	7284	11687
Van Buren	36467	3724	1952	17651	7361	434	5345	2932	14568
Wapello	175447	31920	6697	90196	39325	1896	5414	5913	24570
Warren	110690	17112	5091	58683	22139	1070	6595	14859	28249
Washington	83799	8412	3287	43659	15781	670	11990	8655	35105
Wayne	39269	4601	1879	16928	8260	448	7154	2038	13409
Webster	186788	22756	14945	91228	42549	2365	12946	11657	68692
Winnebago	52483	4323	2176	25443	10037	572	9931	105397	36456
Winneshiek	76084	10335	4177	33528	15245	769	12030	84086	19268
Woodbury	426166	78431	41015	194115	87744	9590	15272	16336	117444
Worth	36946	3364	1562	16767	6399	397	8457	13047	36590
Wright	74236	6471	3571	36214	14655	781	12543	8166	52983
Undistributed	545181	130524	0	1294	312832	0	100531	0	241157
State of Iowa	14534928	2424071	940707	5570979	2616847	929624	2052700	1216037	4851314

Table 2. Federal Funds (in \$1,000s) Received from Selected Programs in Iowa's Counties, 1997.

County	Direct Federal Expenditures or Obligations							Other Federal Assistance	
	Total	Grant Awards	Salaries/Wages	Retirement/Disability Payments	Other Payments to Individ.	Procurement Contract Awards	Other	Direct Loans	Guaranteed Loans and Insurance
Adair	33233	4186	1313	15777	6807	300	4850	4439	23168
Adams	22500	2692	1158	9919	4380	264	4088	3421	9733
Allamakee	50966	5837	2743	27041	9490	677	5177	3822	8526
Appanoose	65684	9103	5025	34285	13467	630	3174	5262	6154
Audubon	32079	3299	1397	14964	7143	321	4956	6711	27642
Benton	77857	7862	2871	42272	16740	753	7359	13711	59133
Black Hawk	477840	80523	26719	239704	118727	6222	5946	37020	82193
Boone	117209	34878	4760	51907	18977	1467	5220	3179	39577
Bremer	77170	6587	2768	42818	18351	2120	4525	9642	28393
Buchanan	71115	9392	2819	37309	15319	642	5635	12121	31480
Buena Vista	89026	12293	4801	40085	19496	6826	5526	23161	44772
Butler	64594	6740	2331	33104	14653	538	7228	8924	33226
Calhoun	52382	4769	2007	28070	11689	481	5366	4470	46605
Carroll	84078	10724	4388	44288	18741	949	4989	6167	43705
Cass	67299	6717	3760	35485	15585	616	5136	5929	32063
Cedar	60078	5607	4083	29930	12646	545	7267	11682	40351
Cerro Gordo	204406	32248	8819	102614	43233	10414	7079	18231	51840
Cherokee	55546	6039	2312	30429	11417	511	4838	8363	47487
Chickasaw	76568	5280	2123	25345	10341	27928	5552	10817	27976
Clarke	33397	4370	1434	15813	6954	264	4564	1999	9442
Clay	71713	8680	3581	35136	13300	749	10266	10439	39239
Clayton	74846	7274	4044	37379	14506	2905	8738	8484	22489
Clinton	209057	39279	6803	104748	46952	1654	9621	15847	53133
Crawford	73254	12257	4409	31661	14569	3006	7352	10364	64091
Dallas	103970	12714	4562	57857	22474	1118	5244	14546	42985
Davis	32283	3488	1487	15774	6396	333	4804	2648	9042
Decatur	38262	7040	1773	16708	7815	440	4486	3474	9597
Delaware	54549	5901	2958	27351	10478	861	7000	11602	30614
Des Moines	238693	21989	9338	91872	54958	56620	3915	5102	32961
Dickinson	62333	4468	2453	37616	13114	550	4131	5566	24644
Dubuque	303629	39795	15507	162216	75116	4622	6374	6777	28522
Emmet	55295	7321	1894	25442	12204	3519	4915	11945	30773
Fayette	89427	10505	4422	45370	19667	1470	7994	11781	40523
Floyd	85038	19419	2834	39532	17013	561	5680	12626	30927
Franklin	44294	4441	1827	22654	8342	475	6555	15268	38875
Fremont	40057	5610	1452	18766	8704	1087	4438	5093	37474
Greene	44980	3869	1955	24885	8626	476	5170	3776	47999
Grundy	45011	2557	1674	25293	9400	401	5686	6488	33981
Guthrie	49600	5491	2518	25467	9656	549	5920	3998	28343
Hamilton	63782	6779	2570	33420	14840	607	5566	9098	42414
Hancock	46346	4006	2418	24257	8917	458	6289	11583	42337
Hardin	87371	7885	4840	46113	18238	3729	6566	10786	42562
Harrison	67435	9478	3823	33025	14903	619	5587	7504	44466
Henry	65920	6274	2877	36486	14119	697	5466	5175	22003
Howard	39981	4620	1402	19457	7976	819	5708	8704	26887
Humboldt	46254	4436	2913	24669	9635	504	4097	5882	43865
Ida	32309	2182	1606	17484	6492	309	4237	9708	41396
Iowa	71843	20668	2934	28444	11225	648	7924	4870	25577
Jackson	67135	-2719 ^a	3582	40171	17940	842	7319	6111	16321
Jasper	127668	17384	4705	68851	27921	1044	7763	10161	45750

^aA negative sign indicates an initial amount obligated adjusted at a later date to a deobligation.

Table 2. Federal Funds (in \$1,000s) Received from Selected Programs in Iowa's Counties, 1997 (continued).

County	Direct Federal Expenditures or Obligations							Other Federal Assistance	
	Total	Grant Awards	Salaries/Wages	Retirement/Disability Payments	Other Payments to Indiv.	Procurement Contract Awards	Other	Direct Loans	Guaranteed Loans and Insurance
Jefferson	54023	6701	3797	25715	11378	1363	5070	4586	18412
Johnson	447571	138178	56892	109910	51210	84383	6997	46836	71281
Jones	64042	5609	2612	34286	12628	2609	6299	9544	28996
Keokuk	57611	6033	2812	27175	11438	659	9494	6830	27839
Kossuth	71687	6324	3338	37526	13623	710	10165	25021	91581
Lee	147999	19601	6801	79636	35795	1525	4641	3637	27888
Linn	920638	95529	49257	307048	118848	341845	8111	19883	91260
Louisa	47491	4736	2434	20691	8015	6436	5180	4766	25000
Lucas	42649	5933	1730	21637	9005	348	3996	1215	6423
Lyon	40551	3934	1633	21805	8134	378	4667	9112	41291
Madison	46697	5201	2143	24294	10845	458	3756	2280	15616
Mahaska	90098	14665	3236	41360	18549	5339	6949	5110	28877
Marion	141193	10265	33655	64647	22946	5212	4469	15354	19257
Marshall	170148	31354	6054	85158	30308	9819	7457	14854	41297
Mills	80330	34949	2073	27361	11912	458	3577	4209	32602
Mitchell	46031	3647	1884	25151	10011	447	4892	10616	35739
Monona	54724	7353	2419	25324	12736	670	6221	4910	30839
Monroe	37757	4842	1338	18911	8512	261	2894	635	5558
Montgomery	56789	6949	2908	28466	13987	496	3982	4206	24856
Muscatine	133032	19944	5503	72045	27536	3431	4574	7011	35586
O'Brien	61780	5341	2984	34296	13706	619	4835	12014	39596
Osceola	27226	1691	1287	14731	5652	277	3588	6368	30211
Page	73132	8506	3393	39729	15796	745	4963	2933	22095
Palo Alto	50972	7162	1947	24739	9882	453	6789	12368	38805
Plymouth	80984	7924	4328	42877	16855	1391	7609	10968	66598
Pocahontas	42793	3821	1585	21685	9490	646	5567	6541	49088
Polk	2391883	528788	304172	598743	263560	73556	623064	8602	313205
Pottawattamie	585430	47686	9721	171799	73663	2429	280131	9649	144001
Poweshiek	71408	6310	2577	37613	16333	619	7957	9820	25000
Ringgold	28412	3013	1472	12602	5059	333	5933	1605	10925
Sac	50230	4446	2124	27764	10667	471	4759	7908	51896
Scott	639496	106709	77048	304749	110973	32088	7930	10948	156173
Shelby	57173	6748	2514	27429	14461	531	5489	6200	46620
Sioux	97599	7268	4504	48157	20816	10237	6617	9649	56401
Story	314345	81562	38949	103204	51637	33042	5951	11525	75266
Tama	75374	11049	4267	36341	14207	949	8563	11279	36154
Taylor	36970	5233	2197	15874	6321	1152	6193	5329	13110
Union	59386	7787	3826	28367	14932	642	3832	6645	9712
Van Buren	34495	3474	1848	17033	7255	390	4496	2179	12164
Wapello	165801	23970	8191	88293	39754	1395	4199	7024	20882
Warren	99888	12279	5579	54416	22087	997	4531	8026	23636
Washington	83799	15335	3211	41469	15456	645	7683	6863	29552
Wayne	37966	3835	1868	17236	8441	420	6166	1765	11351
Webster	180137	22743	14210	89984	41981	4872	6347	10407	56647
Winnebago	47556	4422	2181	24870	10004	568	5510	101223	32338
Winneshiek	69945	8302	3645	32140	16825	1293	7740	82026	14832
Woodbury	407236	65722	39315	192225	86917	12682	10373	13740	107544
Worth	33729	4241	1539	16393	6382	367	4807	10685	32182
Wright	65847	5829	3316	35533	14073	733	6363	6930	48380
Undistributed	575033	114059	0	1262	365826	0	93887	0	236393
State of Iowa	13542447	2129240	943091	5418964	2677077	805527	1568549	1056306	4244212

Table 3. Federal Funds (in \$1,000s) Received from Selected Programs in Iowa's Counties, 1993.

County	Direct Federal Expenditures or Obligations							Other Federal Assistance	
	Total	Grant Awards	Salaries/Wages	Retirement/Disability Payments	Other Payments to Individ.	Procurement Contract Awards	Other	Direct Loans	Guaranteed Loans and Insurance
Adair	35891	4498	1260	14336	6818	196	8783	5799	13994
Adams	23074	1750	1437	8920	4828	339	5802	4952	6851
Allamakee	52822	6422	2581	23814	11402	526	8077	3786	3667
Appanoose	65571	11052	3858	31384	13993	1509	3775	4276	4098
Audubon	34877	2007	1587	13501	7594	250	9938	8860	14487
Benton	77015	5710	3120	35159	15365	639	17022	16056	34087
Black Hawk	453124	77296	30223	211923	107932	10739	15011	17633	52787
Boone	94743	7044	5415	46256	22687	802	12539	8928	25258
Bremer	78766	11795	2738	36184	14084	3525	10439	13333	15876
Buchanan	72194	6518	3231	32651	13548	556	15690	15521	11031
Buena Vista	84633	5282	5007	35988	15739	8345	14272	11481	27932
Butler	65105	5439	2379	29002	13148	436	14701	14207	12546
Calhoun	59586	8034	2088	24840	10832	391	13400	8246	22054
Carroll	81491	8943	4634	38197	17467	778	11472	11417	21727
Cass	66455	6537	3268	30940	14563	620	10526	9330	17967
Cedar	63734	3941	4037	26368	11366	697	17326	14856	28712
Cerro Gordo	180752	21629	8702	89646	37927	6321	16527	21558	29272
Cherokee	57715	4167	2572	26560	11684	469	12262	14600	28739
Chickasaw	54839	3608	2322	22373	10598	3498	12440	13226	7059
Clarke	31597	3420	1420	14062	7365	311	5020	2909	4364
Clay	78385	15419	3818	30751	12858	556	14983	11949	23912
Clayton	74263	8068	4075	32444	14978	863	13833	9900	6353
Clinton	182627	15642	7230	92877	45811	1372	19696	16483	36459
Crawford	74921	7536	4082	27239	14841	7572	13651	17236	31534
Dallas	97990	7681	4370	49646	24159	931	11202	13093	31177
Davis	32197	3859	1611	13613	7363	260	5492	2927	7716
Decatur	41853	8994	2043	14785	10468	421	5142	2699	4771
Delaware	58621	5930	2644	23390	10018	1349	15290	11839	10552
Des Moines	192221	17099	9089	82447	38743	37410	7432	9737	17049
Dickinson	63350	3572	2344	32216	11784	4928	8506	9548	9691
Dubuque	278488	30951	16549	140708	73987	6984	9308	5924	16942
Emmet	54782	4870	2253	22342	11930	2415	10971	14340	14175
Fayette	92742	7983	4494	39494	22315	676	17780	15584	8029
Floyd	76940	8623	2641	35407	14014	3226	13029	18438	12572
Franklin	58437	6339	2110	20847	7972	4148	17021	24282	17820
Fremont	43314	6236	1715	16734	8880	853	8896	9260	20923
Greene	51196	4832	2141	21825	8637	416	13344	9597	24794
Grundy	50614	2243	1874	22175	8848	352	15123	12924	19721
Guthrie	49919	4488	2424	22271	10615	407	9714	7484	14920
Hamilton	68797	5658	2534	29349	15436	473	15348	16521	26959
Hancock	50958	2484	2388	21625	7726	1041	15693	17259	22105
Hardin	87339	5925	3652	39552	19097	747	18365	21019	24079
Harrison	73516	12411	3598	28356	16181	1188	11782	10176	24552
Henry	64101	6139	3159	31356	13452	544	9451	9117	17073
Howard	48477	8055	1527	17291	9557	720	11327	10480	9861
Humboldt	48527	3463	2320	21927	9118	400	11300	9392	21743
Ida	35226	2677	1647	14910	5768	260	9964	9402	22682
Iowa	53945	3315	2862	24870	9336	491	13071	9152	18138
Jackson	76451	8471	3360	34892	18292	528	10908	6385	11678
Jasper	123193	15935	4812	59901	26656	897	14991	13622	31141

Table 3. Federal Funds (in \$1,000s) Received from Selected Programs in Iowa's Counties, 1993 (continued).

County	Direct Federal Expenditures or Obligations						Other Federal Assistance		
	Total	Grant Awards	Salaries/Wages	Retirement/Disability Payments	Other Payments to Indiv.	Procurement Contract Awards	Other	Direct Loans	Guaranteed Loans and Insurance
Jefferson	50304	5427	3895	22534	10114	909	7426	7310	16620
Johnson	384669	130175	54007	89483	42824	55292	12887	10263	52428
Jones	64900	5107	2752	29286	12983	522	14250	10730	20850
Keokuk	58246	4802	3056	23875	11595	603	14315	9982	20975
Kossuth	86391	10336	3470	32800	13880	624	25281	34577	52376
Lee	131089	15814	6474	69041	30285	2391	7084	6473	13066
Linn	731196	62997	51348	258482	103974	239426	14968	11849	72066
Louisa	42810	4627	2503	17963	6829	1053	9835	8722	24905
Lucas	41403	5633	2156	18460	10595	298	4261	3114	4339
Lyon	42401	2884	1833	18614	7352	364	11355	10321	24673
Madison	46663	5135	2196	20665	12010	361	6294	4972	9899
Mahaska	81312	10379	3424	37107	17265	872	12267	8208	19822
Marion	142080	11437	36351	55562	24562	7309	6860	6031	10990
Marshall	154278	22484	5901	73585	26375	11500	14433	12628	25207
Mills	51309	6521	2074	23323	10819	343	8229	7729	19870
Mitchell	46750	3356	1885	21320	8423	352	11413	11890	18956
Monona	55495	6165	2622	22495	11705	838	11670	7443	13694
Monroe	37201	5663	1336	17119	9524	213	3346	1851	5039
Montgomery	55248	4379	2382	24737	15530	394	7827	7994	16176
Muscatine	141034	13484	5826	61921	26487	22988	10328	10317	28752
O'Brien	67853	7444	3165	30210	12631	525	13879	15508	17899
Osceola	37130	1915	1301	12868	5319	6202	9524	9559	14810
Page	73148	8466	3458	35177	17666	663	7718	5927	12876
Palo Alto	59601	10952	2146	21516	9755	414	14818	16925	16039
Plymouth	80850	6647	4115	36736	15716	572	17063	12758	41684
Pocahontas	47269	2885	2234	19629	7096	343	15082	10638	25735
Polk	1933601	592609	259944	493139	276499	76898	234511	36305	177544
Pottawattamie	410395	57545	12429	148372	72919	2014	117117	12309	96192
Poweshiek	71631	7327	2586	31556	14552	482	15128	11412	17706
Ringgold	27505	3111	1497	10736	5099	329	6733	3200	8605
Sac	55317	5539	2421	24552	10300	387	12118	12332	28223
Scott	519577	70597	26028	262076	112640	31143	17093	12667	111431
Shelby	59042	7997	2568	23859	10909	417	13292	11044	24708
Sioux	99849	11241	4414	41301	19281	4767	18845	16428	30516
Story	296299	66531	41596	86168	46241	39783	15978	15119	42764
Tama	74763	7210	3893	32046	13016	1313	17285	17396	25650
Taylor	36219	3752	2000	14136	7248	1540	7543	4114	7845
Union	65997	11821	4101	25795	18428	601	5251	4727	7589
Van Buren	32793	3584	1904	14621	6748	335	5602	3828	8637
Wapello	159373	25941	6725	78347	41321	1156	5882	8026	16835
Warren	85038	7221	5072	44112	20678	916	7039	14239	14829
Washington	72038	5499	3533	35509	12583	844	14070	13269	23858
Wayne	40910	4949	1935	15603	10693	363	7367	2665	8362
Webster	177337	22402	15971	79855	40173	2308	16628	13843	37887
Winnebago	50035	4282	2262	21369	9407	426	12289	17438	17662
Winneshiek	69868	6027	4064	28880	17309	696	12892	4998	4144
Woodbury	392288	48545	41115	172151	99859	12109	18511	14304	73157
Worth	36634	2287	1498	15237	5949	287	11375	14162	17462
Wright	67920	4312	3223	31866	12016	519	15985	17062	25370
Undistributed	487059	104722	0	1113	314250	0	66973	0	334293
State of Iowa	12249490	1910156	863937	4684252	2557211	658384	1575550	1121349	2702645

Table 4. Federal Funds (in \$1,000s) Received from Selected Programs in Iowa's Counties, 1988.

County	Direct Federal Expenditures or Obligations							Other Federal Assistance	
	Total	Grant Awards	Salaries/Wages	Retirement/Disability Payments	Other Payments to Individ.	Procurement Contract Awards	Other	Direct Loans	Guaranteed Loans and Insurance
Adair	37278	5142	1081	11444	4115	131	15365	15827	2367
Adams	21520	1403	1355	7235	2743	122	8662	7491	1314
Allamakee	40739	2671	1851	18289	6041	569	11318	7444	1923
Appanoose	47543	5695	2810	25258	7527	736	5517	5403	3775
Audubon	33104	1331	1529	10618	3767	116	15743	18509	1838
Benton	66788	3253	2396	27633	8761	243	24502	36009	3435
Black Hawk	376395	72395	21295	161571	57987	40822	22325	26916	35413
Boone	77353	3771	5238	36638	12162	465	19079	23067	7334
Bremer	76944	3302	2165	27990	8875	19205	15407	20147	4808
Buchanan	66229	3629	2605	25251	8829	247	25668	25866	5770
Buena Vista	67919	2950	3999	27998	9644	1950	21378	23168	2533
Butler	51766	3251	1864	22271	7696	187	16497	24758	3541
Calhoun	52055	2498	1922	19817	6027	274	21517	28329	1049
Carroll	65922	4423	3533	28602	9265	317	19782	24015	2019
Cass	61392	9253	2561	23808	7843	249	17678	15152	2248
Cedar	59938	4472	2981	19810	6127	241	26307	24674	2251
Cerro Gordo	141196	10559	7528	67273	20323	3417	32096	31786	6197
Cherokee	53785	4173	1953	20662	6431	494	20072	21720	2721
Chickasaw	112050	1973	1835	17542	6290	5452	78958	20942	2074
Clarke	58494	2369	1280	10697	4085	86	39977	5179	1495
Clay	57256	3124	2958	22439	7008	282	21445	26489	3166
Clayton	63319	4381	3186	25671	8874	334	20873	18582	4984
Clinton	143624	11522	6154	71236	24054	658	30000	26756	6127
Crawford	59707	4395	3596	21095	8015	1822	20784	26359	2640
Dallas	100377	27489	3677	36911	13480	307	18513	25031	4586
Davis	27332	2353	1227	11480	4329	112	7831	4089	899
Decatur	32068	5388	1381	11853	6262	271	6913	5495	1240
Delaware	52575	3044	2113	18132	5985	191	23110	23184	4962
Des Moines	168966	26101	7558	61407	17506	44247	12147	10234	3671
Dickinson	47406	2407	1783	23326	6328	325	13237	16645	1500
Dubuque	209900	22968	14057	107121	39738	10007	16009	9825	9554
Emmet	46623	2779	1780	17264	6833	1404	16563	21682	1537
Fayette	90420	5837	3473	30757	12727	671	36955	32562	3570
Floyd	62385	4906	2072	27785	7407	206	20009	25603	2539
Franklin	59330	4528	1890	16063	4463	4875	27511	33975	3594
Fremont	36983	2454	1301	13488	4828	127	14785	16369	1957
Greene	47314	2795	1700	17319	4777	153	20570	27336	1290
Grundy	68248	1158	1638	17439	5084	165	42764	28608	1953
Guthrie	42360	2109	1839	17647	5983	194	14588	16956	2701
Hamilton	62168	4214	2323	22714	8600	249	24068	30288	2153
Hancock	46903	1201	1890	15552	4438	363	23459	29089	1982
Hardin	73936	4335	2838	30860	10838	277	24788	32988	5061
Harrison	58802	6748	2831	21903	8744	226	18350	26064	5586
Henry	52779	2995	2753	24654	7494	362	14521	11313	2279
Howard	40530	2927	1162	13494	5546	526	16875	18178	1064
Humboldt	43599	2518	1871	16669	5110	168	17263	21065	1380
Ida	35159	2008	1302	12103	3309	100	16337	15320	851
Iowa	51892	5824	2254	19164	5091	220	19339	18447	2279
Jackson	61790	4710	2856	26967	10105	1072	16080	11824	3441
Jasper	93436	8599	3525	44287	14178	299	22548	30660	7086

Table 4. Federal Funds (in \$1,000s) Received from Selected Programs in Iowa's Counties, 1988 (continued).

County	Direct Federal Expenditures or Obligations							Other Federal Assistance	
	Total	Grant Awards	Salaries/Wages	Retirement/Disability Payments	Other Payments to Individ.	Procurement Contract Awards	Other	Direct Loans	Guaranteed Loans and Insurance
Jefferson	40565	2928	3172	18232	5773	168	10292	9584	4334
Johnson	257594	86068	37134	62566	22959	31191	17676	11790	20278
Jones	56311	3071	2145	22325	7293	218	21259	19644	3200
Keokuk	53497	3958	2337	19297	6476	228	21201	17722	4573
Kossuth	90054	4735	2935	25682	8109	251	48342	55885	3254
Lee	95530	8249	5160	54964	16563	488	10106	7083	4665
Linn	682564	35643	40240	184421	57262	308353	56645	9696	58895
Louisa	38823	3539	1963	13916	3796	135	15474	15583	1028
Lucas	31976	3131	1580	15046	5661	678	5880	3844	2033
Lyon	69103	2251	1552	14425	4054	180	46641	20028	1247
Madison	38067	3025	1612	16164	6656	175	10435	9881	1637
Mahaska	63402	5368	2949	28851	9124	255	16855	15794	5722
Marion	106534	6079	27201	42359	14131	5561	11203	11553	4636
Marshall	109957	11214	4589	56343	13916	529	23366	22036	4618
Mills	42844	4453	1785	17224	5873	159	13350	14546	4565
Mitchell	42790	1548	1579	16702	4994	236	17731	20501	473
Monona	50967	4210	2070	17703	6545	298	20141	25846	791
Monroe	28789	3098	973	14177	5293	86	5162	3265	2637
Montgomery	45393	2880	1981	19613	8165	156	12598	12868	1700
Muscatine	96360	7951	4527	46835	13364	9150	14533	11747	7690
O'Brien	60587	4923	2736	23231	7305	254	22138	30393	2683
Osceola	46784	1042	968	10146	3132	86	31410	25185	914
Page	57110	4230	3047	27823	9717	399	11894	11537	1946
Palo Alto	78252	3453	1636	16797	5636	162	50568	28614	2850
Plymouth	69938	3450	3886	27782	9251	268	25301	23659	4192
Pocahontas	47155	2286	1782	15449	4114	228	23296	25436	951
Polk	1176240	301434	199983	367376	144833	60279	102335	23324	109885
Pottawattamie	289201	30037	9484	110103	36766	52518	50293	34981	42462
Poweshiek	56623	3244	1870	23884	7813	187	19625	19106	2600
Ringgold	23988	2186	1467	8059	2836	134	9306	6772	1512
Sac	49458	2381	2088	19506	5795	195	19493	25624	2392
Scott	362997	37068	20599	182041	60688	42379	20222	20482	53355
Shelby	56368	8773	2096	17848	6206	180	21265	17885	3031
Sioux	83225	6658	3327	31013	11569	1502	29156	30417	3731
Story	222762	53742	29808	62550	28783	25340	22539	28799	12608
Tama	65815	4709	3053	24584	7473	1386	24610	27811	2427
Taylor	32138	2595	1605	11800	4103	162	11873	9783	774
Union	43799	3926	3147	20300	8100	328	7998	7426	1475
Van Buren	28813	3550	1466	11576	3781	169	8271	5361	1451
Wapello	116244	14048	6056	61610	23825	1970	8735	9295	3383
Warren	96782	7731	3703	32189	11442	329	41388	12603	7238
Washington	61989	3752	2977	26529	7269	245	21217	18186	2018
Wayne	35165	3568	1674	12620	5910	157	11236	7858	931
Webster	131204	10620	10855	61463	20922	1649	25695	28858	3546
Winnebago	48911	3502	1620	16691	5350	202	21546	24578	2242
Winneshiek	57861	4109	3136	21726	10618	236	18036	9199	2447
Woodbury	277702	28701	30127	132885	51838	3863	30288	57214	37535
Worth	37240	1362	1069	12278	3421	112	18998	19362	1953
Wright	60687	2441	2636	24611	6833	425	23741	34421	1755
Undistributed	250816	161972	0	670	54814	0	33360	0	988419
State of Iowa	9672570	1259225	666149	3549192	1277822	699373	2220809	1990481	1630417

Table 5. Percentage of Total Direct Federal Funds Received as Retirement and Disability Payments in Iowa's Counties, 1988, 1993, 1997, and 1998.

County	1998	1997	1993	1988	County	1998	1997	1993	1988
Adair	44.4	47.5	39.9	30.7	Jefferson	46.3	47.6	44.8	44.9
Adams	43.1	44.1	38.7	33.6	Johnson	20.5	24.6	23.3	24.3
Allamakee	50.4	53.1	45.1	44.9	Jones	50.4	53.5	45.1	39.6
Appanoose	52.7	52.2	47.9	53.1	Keokuk	46.1	47.2	41.0	36.1
Audubon	43.7	46.6	38.7	32.1	Kossuth	44.8	52.3	38.0	28.5
Benton	52.5	54.3	45.7	41.4	Lee	51.7	53.8	52.7	57.5
Black Hawk	49.8	50.2	46.8	42.9	Linn	32.8	33.4	35.4	27.0
Boone	42.3	44.3	48.8	47.4	Louisa	43.4	43.6	42.0	35.8
Bremer	53.9	55.5	45.9	36.4	Lucas	51.7	50.7	44.6	47.1
Buchanan	47.9	52.5	45.2	38.1	Lyon	48.3	53.8	43.9	20.9
Buena Vista	45.3	45.0	42.5	41.2	Madison	50.3	52.0	44.3	42.5
Butler	48.3	51.2	44.5	43.0	Mahaska	42.8	45.9	45.6	45.5
Calhoun	48.4	53.6	41.7	38.1	Marion	48.3	45.8	39.1	39.8
Carroll	47.4	52.7	46.9	43.4	Marshall	47.0	50.0	47.7	51.2
Cass	49.0	52.7	46.6	38.8	Mills	32.9	34.1	45.5	40.2
Cedar	45.7	49.8	41.4	33.1	Mitchell	50.9	54.6	45.6	39.0
Cerro Gordo	47.7	50.2	49.6	47.6	Monona	44.6	46.3	40.5	34.7
Cherokee	50.0	54.8	46.0	38.4	Monroe	49.7	50.1	46.0	49.2
Chickasaw	34.7	33.1	40.8	15.7	Montgomery	48.3	50.1	44.8	43.2
Clarke	46.7	47.3	44.5	18.3	Muscatine	52.8	54.2	43.9	48.6
Clay	41.2	49.0	39.2	39.2	O'Brien	50.5	55.5	44.5	38.3
Clayton	48.6	49.9	43.7	40.5	Osceola	47.6	54.1	34.7	21.7
Clinton	51.7	50.1	50.9	49.6	Page	52.1	54.3	48.1	48.7
Crawford	40.5	43.2	36.4	35.3	Palo Alto	43.7	48.5	36.1	21.5
Dallas	52.9	55.6	50.7	36.8	Plymouth	47.4	52.9	45.4	39.7
Davis	46.2	48.9	42.3	42.0	Pocahontas	44.8	50.7	41.5	32.8
Decatur	43.5	43.7	35.3	37.0	Polk	23.4	25.0	25.5	31.2
Delaware	42.6	50.1	39.9	34.5	Pottawattamie	27.5	29.3	36.2	38.1
Des Moines	41.1	38.5	42.9	36.3	Poweshiek	49.8	52.7	44.1	42.2
Dickinson	58.8	60.3	50.9	49.2	Ringgold	43.2	44.4	39.0	33.6
Dubuque	52.2	53.4	50.5	51.0	Sac	50.4	55.3	44.4	39.4
Emmet	44.6	46.0	40.8	37.0	Scott	50.0	47.7	50.4	50.1
Fayette	47.5	50.7	42.6	34.0	Shelby	42.9	48.0	40.4	31.7
Floyd	49.8	46.5	46.0	44.5	Sioux	48.3	49.3	41.4	37.3
Franklin	44.4	51.1	35.7	27.1	Story	32.1	32.8	29.1	28.1
Fremont	44.4	46.8	38.6	36.5	Tama	46.1	48.2	42.9	37.4
Greene	49.8	55.3	42.6	36.6	Taylor	43.6	42.9	39.0	36.7
Grundy	49.9	56.2	43.8	25.6	Union	46.9	47.8	39.1	46.3
Guthrie	49.6	51.3	44.6	41.7	Van Buren	48.4	49.4	44.6	40.2
Hamilton	49.4	52.4	42.7	36.5	Wapello	51.4	53.3	49.2	53.0
Hancock	46.4	52.3	42.4	33.2	Warren	53.0	54.5	51.9	33.3
Hardin	49.7	52.8	45.3	41.7	Washington	52.1	49.5	49.3	42.8
Harrison	46.0	49.0	38.6	37.2	Wayne	43.1	45.4	38.1	35.9
Henry	51.5	55.3	48.9	46.7	Webster	48.8	50.0	45.0	46.8
Howard	45.4	48.7	35.7	33.3	Winnebago	48.5	52.3	42.7	34.1
Humboldt	46.4	53.3	45.2	38.2	Winneshiek	44.1	46.0	41.3	37.5
Ida	41.1	54.1	42.3	34.4	Woodbury	45.5	47.2	43.9	47.9
Iowa	49.1	39.6	46.1	36.9	Worth	45.4	48.6	41.6	33.0
Jackson	49.4	a	45.6	43.6	Wright	48.8	54.0	46.9	40.6
Jasper	52.1	53.9	48.6	47.4	Undistributed	0.2	0.2	0.2	0.3
					State of Iowa	38.3	40.0	38.2	36.7

^aA percentage in this instance is not appropriate because of data anomalies in other categories

subcategory was \$2.0 billion (57.0%) from 1988 to 1998. Retirement or disability payments constituted the largest part of direct federal expenditures and obligations in all but five Iowa counties. Johnson, Linn, Mills, Polk, and Pottawattamie, which were the exceptions, received more federal funds in grant or procurement contract awards or in the "other" category than in any others listed. Twenty-two counties received at least \$50 million in the retirement/disability category in 1998, with 11 above \$100 million. Only Adams, Osceola, and Ringgold noted less than \$15 million in this subcategory of payments to individuals.

Another 18.0 percent (\$2.6 billion) of the total direct federal expenditures or obligations were in the form of other payments to individuals. Included here would be federal payments for Medicare, unemployment compensation, some types of veterans compensation, supplemental security income payments, and food stamps, for example. In 1998, other payments received by individuals ranged from \$4.4 million in Adams to \$274 million in Polk. Black Hawk, Linn, and Scott also had more than \$100 million in other payments to individuals from federal sources.

Procurement contract awards totaled nearly \$930 million in 1998. These are contracts with the Department of Defense, Postal Service, and other federal agencies. This subcategory was the most unevenly distributed across counties among the data reported in Tables 1 through 4. In 1998, four counties (Des Moines, Johnson, Linn, Polk) received nearly three-quarters (73.1%) of all dollars for procurement contract awards in the state, with Linn alone (\$379 million) accounting for 40.8 percent of the total.

The "other" subcategory among direct federal expenditures or obligations amounted to \$2 billion in 1998. This subcategory included a variety of federal programs (National Science Foundation, National Aeronautics and Space Administration, National Endowments for the Arts and for the Humanities, additional Department of Agriculture programs, and National Flood Insurance Claim Payments, among others). Most of these funds in Iowa were related to agriculture (feed grain production stabilization payments, conservation reserve program, crop insurance claims and payments), although none of these were direct payments to individuals. In 1998, Polk (\$653 million) and Pottawattamie (\$333 million) exceeded \$100 million in this subcategory; Clay and Kossuth were the only other counties receiving at least \$20 million.

Other Federal Assistance

Data for two other kinds of federal assistance were available. Direct loans from federal sources (commodity loans-price supports, farmers home administration-rural housing loans, water and waste disposal system loans, housing for the elderly or handicapped) accounted for \$1.2 billion of the \$6.1 billion total for other federal assistance. These figures tend to vary by huge amounts from year to year, primarily because direct loans related to agriculture were much greater some years than others. In Iowa, \$771 million of the \$1.2 billion in this subcategory was related to commodity loans in 1998. Direct loans were at least \$10 million in 47 counties in 1998; in 1997, 36 counties exceeded that level. Eighteen counties received less than \$5 million in direct loans in 1998.

Guaranteed loans and insurance totaled \$4.8 billion in 1998. This subcategory included several loan programs (mortgage insurance for homes, higher education act insured loans, veterans housing loans, small-business loans, for example) and two types of insurance (flood, crop). Figures for these expenditures also vary substantially from one year to the next. About \$3.3 billion of the \$4.8 billion for guaranteed loans and insurance was related to crop insurance in 1998. Totals from all the guaranteed loan and insurance programs exceeded \$50 million in 28 counties, led by Polk with \$341 million. Five others received less than \$10 million in guaranteed loans and insurance from federal sources.

Percentage of Total Direct Funds Received as Retirement and Disability Payments

In 1998, retirement and disability payments accounted for nearly \$2 of every \$5 of total direct federal funds sent to Iowa (Table 5). The 1998 figure (38.3%) was slightly lower than that for 1997 (40.0%) but a little higher than those for 1993 (38.2%) and 1988 (36.7%). In 1998, retirement or disability payments accounted for at least 50 percent of all the funds from direct federal expenditures or obligations

payments were compared with total federal funds disbursed. The percentage that retirement and disability payments constituted of all federal funds increased in most counties when 1988 and 1998 were compared.

Notes: The source of this information is an annual CONSOLIDATED FEDERAL FUNDS REPORT: FISCAL YEAR, Volume 1: County Areas (Washington, DC: U.S. Department of Commerce, Bureau of the Census). See also a companion report on subcounty areas (Volume II) and a state report (FEDERAL EXPENDITURES BY STATE FOR FISCAL YEAR). Information by county for other years 1983-1987, 1989-1992, 1994-1996) were presented in previous editions of our data book.

As an example of the type of programs included, expenditures on grants were accumulated from the following federal sources: Department of Agriculture, Department of Commerce, Department of Defense, Department of Education, Department of Energy, Environmental Protection Agency, Equal Employment Opportunity Commission, Federal Emergency Management Agency, Department of Health and Human Services, Department of Housing and Urban Development, Department of Interior, Department of Justice, Department of Labor, National Foundation on the Arts and the Humanities, Department of Transportation, Department of Treasury, and Department of Veterans Affairs. Each of these has many subdivisions, of course; in agriculture, for example, 22 areas are noted, including the Agricultural Marketing Service, Extension Service, Farmers Home Administration, Food and Nutrition Service, Food Safety and Inspection Service, Forest Service, and Soil Conservation Service. Although these subdivisions contribute to the total figures, information by county is not included on each one of them.

Some negative signs may be included in the tables. That's because initial amounts obligated may be adjusted at a later date, either through enhancements or deobligations. These deobligations appear as negative amounts.

Chapter 7 Bankruptcy Cases Filed in Iowa's Counties: 1993-1998

Margaret Hanson, Iowa State University

Willis Goudy, Iowa State University

George Prentice, Clerk, U.S. Bankruptcy Court (Northern District of Iowa)

Mary M. Weibel, Clerk, U.S. Bankruptcy Court (Southern District of Iowa)

Filing for bankruptcy can be done in several manners, although Chapter 7 filings are the most common. An individual can file; joint spouse filings are permitted as well. Nonindividuals (for example, corporations and partnerships) also can file for Chapter 7 bankruptcy. Chapter 7 is designed for debtors in financial difficulty who do not have the ability to pay their existing debts. The purpose of filing a Chapter 7 case is to obtain a discharge of those existing debts; however, some debts (for example, certain taxes, student loans, alimony) may not be discharged under the law. The Northern and Southern Federal District Courts handle records of Chapter 7 filings in the State of Iowa. Cases are recorded according to the county of residence of persons filing them.

In 1998, 8,579 Chapter 7 bankruptcy cases were filed in Iowa. Generally, the higher the population in a county, the greater the number of cases (Table 1). Polk had 1,363, while Linn and Scott were the only others with at least 500 that year. These three counties accounted for nearly 3 of every 10 (29.8%) of Chapter 7 cases. Another 14 counties had at least 100 filings that year. Fewer than 40 cases were listed in more than half (54) of Iowa's counties; Adams, Howard, Ringgold, and Taylor were the only counties reporting fewer than 10 in 1998, however. In 1993, 18 counties had fewer than 10 cases, while 11 noted at least 100.

Chapter 7 bankruptcy cases in Iowa increased dramatically from 1993 to 1997. The gain was more than 4,000, which represented nearly an 84.8 percent increase in that relatively brief period. A particularly large gain occurred from 1995 to 1996. From 1997 to 1998, however, a decline occurred, although it was relatively small (-280).

More Chapter 7 bankruptcy cases were filed in 1998 than in 1993 for all counties except Howard, Kossuth, Ringgold, and Taylor. Increases exceeded 100 in Black Hawk, Des Moines, Linn, Polk, Pottawattamie, Scott, and Woodbury, with the gain of 476 in Polk the only one greater than 300.

Notes: The numbers in Table 1 differ from those published in the 1998 edition of this volume. Only Chapter 7 personal bankruptcies were included then, while all under Chapter 7 are counted in this 1999 edition. Personal bankruptcies greatly outnumber other Chapter 7 types, however.

Information also is available on cases filed under other chapters of the bankruptcy code. County-by-county numbers are not provided here because these chapters are used much less frequently than is Chapter 7. Chapter 11 of the bankruptcy code generally provides the debtor a chance to restructure business finances so that the operation can continue; in 1998, 85 counties did not have any Chapter 11 filings, in part because only 17 such cases were filed in Iowa, down from a high of 51 in 1993. Chapter 12 of the code covers family farm operators; again the intent is to give them a chance to keep farming while reorganizing their debts. In 1998, 10 cases were filed, with 90 counties not having any of this type; the number of Chapter 12 cases fluctuated little between 1993 and the most recent year. Chapter 13 is designed for individuals with regular income who desire to pay their debts but currently are not able to do so; a three-year period of repayment is allowed, with creditors prohibited from collection efforts during that time. A total of 581 Chapter 13 cases were filed in 1998; a third (33) of the counties did not have any filings in this category that year, although Polk (84) and Scott (160) each had at least 40. Filings under Chapter 13 increased annually from 1993, when there were 345 cases, to 1998.

Table 1. Chapter 7 Bankruptcy Filings in Iowa's Counties, 1993-1998.

County	1998	1997	1996	1995	1994	1993	County	1998	1997	1996	1995	1994	1993
Adair	14	28	12	5	4	10	Jefferson	59	61	73	50	46	33
Adams	9	16	5	3	2	3	Johnson	192	193	170	94	90	102
Allamakee	25	26	24	18	12	4	Jones	31	52	43	26	21	16
Appanoose	42	33	32	19	14	15	Keokuk	35	28	20	21	9	12
Audubon	13	13	12	18	8	8	Kossuth	21	23	30	19	13	23
Benton	72	68	56	35	42	30	Lee	143	136	109	86	67	53
Black Hawk	399	380	375	243	225	198	Linn	596	616	458	339	305	312
Boone	67	94	97	65	51	40	Louisa	52	19	25	18	23	16
Bremer	35	36	33	31	22	21	Lucas	22	22	18	9	14	16
Buchanan	66	57	50	37	26	30	Lyon	11	17	13	9	9	5
Buena Vista	48	47	35	28	33	28	Madison	31	34	38	27	25	21
Butler	36	40	29	24	11	15	Mahaska	75	14	18	8	13	8
Calhoun	32	34	34	18	15	15	Marion	70	92	77	53	53	46
Carroll	37	44	33	24	19	34	Marshall	92	125	109	83	64	62
Cass	45	40	30	23	25	11	Mills	58	55	48	32	25	24
Cedar	46	41	29	21	12	16	Mitchell	15	10	13	7	9	10
Cerro Gordo	122	143	127	89	74	81	Monona	39	36	30	20	27	23
Cherokee	31	31	39	28	16	26	Monroe	22	34	24	9	15	11
Chickasaw	23	28	24	12	17	19	Montgomery	30	41	34	23	16	23
Clarke	27	28	24	9	16	17	Muscatine	148	149	151	104	111	102
Clay	49	43	35	23	22	32	O'Brien	31	24	20	20	17	23
Clayton	40	31	40	27	15	13	Osceola	10	13	10	16	5	4
Clinton	206	172	164	160	114	120	Page	38	36	40	21	24	11
Crawford	38	49	37	30	26	19	Palo Alto	22	10	14	8	11	8
Dallas	112	113	87	65	45	47	Plymouth	62	67	46	38	24	20
Davis	11	21	17	12	8	7	Pocahontas	14	11	23	20	12	6
Decatur	18	22	22	11	12	6	Polk	1363	1524	1286	1006	813	887
Delaware	31	33	34	25	15	11	Pottawattamie	378	400	395	232	243	251
Des Moines	239	228	222	178	122	132	Poweshiek	40	35	34	26	18	21
Dickinson	46	52	34	25	29	30	Ringgold	7	14	8	7	5	8
Dubuque	203	211	151	142	106	121	Sac	26	20	25	17	21	20
Emmet	23	36	27	25	19	19	Scott	600	577	533	487	331	344
Fayette	43	57	21	30	21	21	Shelby	29	25	21	24	19	8
Floyd	58	46	39	24	20	24	Sioux	36	36	37	29	18	15
Franklin	23	13	21	17	18	18	Story	164	157	125	74	83	65
Fremont	25	34	19	14	10	14	Tama	35	39	41	25	22	23
Greene	30	24	15	19	14	10	Taylor	8	20	11	5	11	11
Grundy	23	22	18	26	10	9	Union	33	32	38	23	16	20
Guthrie	34	14	27	19	20	21	Van Buren	25	23	20	8	10	5
Hamilton	34	41	42	32	28	29	Wapello	108	138	145	97	82	63
Hancock	16	26	39	21	14	14	Warren	99	109	124	79	69	65
Hardin	42	38	44	39	33	20	Washington	55	50	36	45	23	23
Harrison	51	49	47	34	33	22	Wayne	29	23	21	11	21	7
Henry	97	88	59	55	45	42	Webster	131	180	143	119	84	84
Howard	6	19	16	11	4	10	Winnebago	30	24	26	18	14	17
Humboldt	36	34	26	24	10	20	Winneshiek	23	27	18	16	10	6
Ida	11	16	22	14	7	8	Woodbury	493	500	378	328	301	274
Iowa	41	22	31	17	21	15	Worth	17	24	16	8	9	7
Jackson	40	45	45	24	24	20	Wright	35	34	57	24	20	20
Jasper	81	104	103	65	60	66							
State of Iowa								8579	8859	7796	5826	4860	4795

County Business Patterns in Iowa: 1987, 1992, 1997, and 1998

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Each year, the U.S. Bureau of the Census publishes reports on business patterns for counties in every state. Most of the economic divisions of the economy are covered in these reports, including agricultural services, mining, construction, manufacturing, transportation, public utilities, wholesale trade, retail trade, finance, insurance, real estate, and service industries. The data generally represent the types of employment covered by the Federal Insurance Contributions Act (FICA). This includes all covered wage and salary employment of private nonfarm employers and of nonprofit organizations and all religious organizations covered under the elective provisions of FICA. Data for employees of establishments totally exempt from FICA are excluded, as are self-employed persons, domestic service workers, railroad employees, agricultural production workers, most government employees, and employees in foreign countries.

The number of establishments, number of employees, and annual payroll are reported. An establishment is a single physical location where business is conducted or where services or industrial operations are performed. Paid employment consists of full- and part-time employees who were on the payroll in the pay period including March 12. This includes salaried officers and executives of corporations and employees on paid sick leave, holidays, or vacations. Total annual payroll is the combined amount of wages, salaries, tips reported, commissions, bonuses, vacation allowances, sick-leave pay, and the value of payments in kind paid to employees before deductions for social security, income tax, insurance, and so on.

Number of Establishments

Iowa had 80,608 of these establishments in 1997, 4,600 more than were reported in 1992 and 9,100 more than the 1987 figure (Table 1). Iowa's most populous counties had the largest number of establishments; Polk's total of 11,265 in 1997 was more than double those of Linn or Scott. Eight counties had fewer than 200. In the span from 1987 to 1997, only Calhoun, Marshall, and Pocahontas declined by more than 20 businesses, although four others also had fewer establishments in 1997 than in 1987. Polk had nearly 1,700 more firms in 1997 than in 1987. Three others (Johnson, Linn, Scott) increased by at least 500. Eighty-seven other counties registered increases over the 10 years.

Number of Employees

Employees in these establishments numbered nearly 1.2 million in 1997 (Table 1). The gain in employees between 1992 and 1997 was 141,000. The period of 1987 to 1997 saw Iowa's employees increase by 305,000. Not surprisingly, Polk had the most employees in 1997, followed by Linn, Scott, and Black Hawk, respectively. Twelve counties reported fewer than 2,000 workers in their establishments; Ringgold was the only one with fewer than 1,000. Even though there were substantial statewide gains in employees between 1987 and 1997, Adams and Taylor had fewer at the end of the period than at the beginning. Black Hawk, Dubuque, Johnson, Linn, Polk, Scott, and Woodbury had gains of at least 10,000 employees when 1987 and 1997 were compared.

Table 1. Business Establishments and Employees in Iowa's Counties, 1987, 1992, 1996, and 1997.

County	Number of Business Establishments				Number of Employees				Average No. of Employees Per Business Establishment			
	1997	1996	1992	1987	1997	1996	1992	1987	1997	1996	1992	1987
Adair	223	228	213	225	2075	2092	1771	1717	9.3	9.2	8.3	7.6
Adams	126	118	120	118	1009	996	1016	1309	8.0	8.4	8.5	11.1
Allamakee	434	414	400	391	4378	4311	4083	3393	10.1	10.4	10.2	8.7
Appanoose	347	360	332	305	3406	3329	3185	2702	9.8	9.2	9.6	8.9
Audubon	230	214	211	195	1424	1495	1506	1123	6.2	7.0	7.1	5.8
Benton	610	578	536	539	4330	4254	3531	3059	7.1	7.4	6.6	5.7
Black Hawk	3222	3183	3096	2956	57646	56371	49937	40117	17.9	17.7	16.1	13.6
Boone	556	550	516	531	6781	7193	5933	4572	12.2	13.1	11.5	8.6
Bremer	637	629	615	564	7584	7412	7015	5882	11.9	11.8	11.4	10.4
Buchanan	536	522	493	434	4857	4734	4044	3028	9.1	9.1	8.2	7.0
Buena Vista	625	625	623	623	7977	8161	7180	6392	12.8	13.1	11.5	10.3
Butler	390	395	375	362	2482	2466	2200	1936	6.4	6.2	5.9	5.3
Calhoun	317	327	330	339	2379	2611	2340	2026	7.5	8.0	7.1	6.0
Carroll	861	814	774	727	9660	9440	8465	6564	11.2	11.6	10.9	9.0
Cass	497	502	496	489	5351	5352	4967	4553	10.8	10.7	10.0	9.3
Cedar	491	480	439	437	4036	4150	3249	2711	8.2	8.6	7.4	6.2
Cerro Gordo	1484	1488	1448	1434	22195	21714	18227	16848	15.0	14.6	12.6	11.7
Cherokee	390	387	377	389	4270	4434	4522	3689	10.9	11.5	12.0	9.5
Chickasaw	401	402	391	357	4056	4019	3837	3066	10.1	10.0	9.8	8.6
Clarke	224	216	208	208	2754	2912	2764	2197	12.3	13.5	13.3	10.6
Clay	633	628	607	605	8268	7569	6674	5207	13.1	12.1	11.0	8.6
Clayton	571	548	520	504	5726	5459	4168	3829	10.0	10.0	8.0	7.6
Clinton	1326	1283	1271	1193	18770	18028	18346	15003	14.2	14.1	14.4	12.6
Crawford	479	478	493	456	5542	5389	4953	4909	11.6	11.3	10.0	10.8
Dallas	818	783	681	591	8739	8390	6931	4887	10.7	10.7	10.2	8.3
Davis	180	187	175	175	1663	1687	1265	1059	9.2	9.0	7.2	6.1
Decatur	176	167	175	163	2262	2279	2152	2122	12.9	13.6	12.3	13.0
Delaware	451	444	420	400	4177	3998	3331	2465	9.3	9.0	7.9	6.2
Des Moines	1212	1219	1220	1189	20736	20770	18851	17327	17.1	17.0	15.5	14.6
Dickinson	725	696	641	551	7364	7238	5543	4282	10.2	10.4	8.6	7.8
Dubuque	2621	2595	2440	2217	48464	47701	42939	36620	18.5	18.4	17.6	16.5
Emmet	309	308	299	288	3405	3041	2969	2675	11.0	9.9	9.9	9.3
Fayette	659	646	639	608	7141	6695	5628	4365	10.8	10.4	8.8	7.2
Floyd	473	469	460	441	4435	4538	5045	4213	9.4	9.7	11.0	9.6
Franklin	341	340	318	328	2930	2827	2293	2278	8.6	8.3	7.2	6.9
Fremont	193	193	196	179	1428	1521	1276	1239	7.4	7.9	6.5	6.9
Greene	314	308	278	294	2519	2402	2093	2075	8.0	7.8	7.5	7.1
Grundy	317	321	339	323	2492	2396	2256	1937	7.9	7.5	6.7	6.0
Guthrie	293	275	272	257	1914	1915	1631	1609	6.5	7.0	6.0	6.3
Hamilton	447	443	438	441	6803	6247	5730	5352	15.2	14.1	13.1	12.1
Hancock	332	350	356	331	3004	3080	3207	2609	9.0	8.8	9.0	7.9
Hardin	660	652	640	630	6933	7169	5629	5332	10.5	11.0	8.8	8.5
Harrison	379	363	349	325	2952	2821	2398	2124	7.8	7.8	6.9	6.5
Henry	536	506	496	470	11515	10799	8706	6707	21.5	21.3	17.6	14.3
Howard	290	284	266	248	3198	2900	2309	1842	11.0	10.2	8.7	7.4
Humboldt	317	305	317	311	3767	3207	2547	2225	11.9	10.5	8.0	7.2
Ida	280	273	255	240	3309	3223	2671	2120	11.8	11.8	10.5	8.8
Iowa	521	508	458	405	8515	9180	7549	6178	16.3	18.1	16.5	15.3
Jackson	574	580	526	501	5128	5024	4324	3365	8.9	8.7	8.2	6.7
Jasper	844	825	804	754	11427	11217	9535	9969	13.5	13.6	11.9	13.2

Table 1. Business Establishments and Employees in Iowa's Counties, 1987, 1992, 1996, and 1997 (continued).

County	Number of Business Establishments				Number of Employees				Average No. of Employees Per Business Establishment			
	1997	1996	1992	1987	1997	1996	1992	1987	1997	1996	1992	1987
Jefferson	688	666	614	535	7798	7678	6577	5162	11.3	11.5	10.7	9.6
Johnson	2549	2454	2221	1984	43385	42746	38519	24398	17.0	17.4	17.3	12.3
Jones	494	474	446	441	4097	4062	3399	3123	8.3	8.6	7.6	7.1
Keokuk	275	278	279	284	1946	1916	1787	1766	7.1	6.9	6.4	6.2
Kossuth	567	562	541	526	5442	5226	4559	4481	9.6	9.3	8.4	8.5
Lee	1073	1074	1039	1032	16527	16143	14595	12482	15.4	15.0	14.0	12.1
Linn	5278	5144	4737	4348	101393	101250	91908	76662	19.2	19.7	19.4	17.6
Louisa	227	221	225	226	2794	3223	2898	1974	12.3	14.6	12.9	8.7
Lucas	208	203	192	189	2423	2500	2596	2416	11.6	12.3	13.5	12.8
Lyon	349	338	333	288	2446	2287	2115	1598	7.0	6.8	6.4	5.5
Madison	347	339	300	276	2561	2553	1953	1746	7.4	7.5	6.5	6.3
Mahaska	594	577	569	558	6353	5955	5444	4958	10.7	10.3	9.6	8.9
Marion	768	748	700	641	15170	14595	11857	9429	19.8	19.5	16.9	14.7
Marshall	916	909	942	951	15194	14610	13814	12731	16.6	16.1	14.7	13.4
Mills	243	246	229	218	2778	2883	2943	1686	11.4	11.7	12.9	7.7
Mitchell	349	356	321	314	3135	3057	2497	2162	9.0	8.6	7.8	6.9
Monona	291	292	281	291	2691	2949	2207	1920	9.2	10.1	7.9	6.6
Monroe	211	214	192	179	2460	2410	1968	1333	11.7	11.3	10.3	7.4
Montgomery	357	352	345	321	4299	4396	3907	3524	12.0	12.5	11.3	11.0
Muscatine	983	966	999	976	17804	18394	17860	15925	18.1	19.0	17.9	16.3
O'Brien	551	552	534	510	5119	5100	4766	4082	9.3	9.2	8.9	8.0
Osceola	211	218	209	199	1756	1792	1667	1273	8.3	8.2	8.0	6.4
Page	513	522	511	504	6594	6656	5609	5163	12.9	12.8	11.0	10.2
Palo Alto	330	326	337	308	2798	2662	2199	1898	8.5	8.2	6.5	6.2
Plymouth	669	642	628	633	7949	7816	6957	5716	11.9	12.2	11.1	9.0
Pocahontas	287	284	275	309	2522	2655	2448	2013	8.8	9.3	8.9	6.5
Polk	11265	11094	10569	9583	225576	222908	202542	171945	20.0	20.1	19.2	17.9
Pottawattamie	1895	1844	1843	1776	27225	27838	23049	20629	14.4	15.1	12.5	11.6
Poweshiek	571	556	557	524	9086	8528	8030	6339	15.9	15.3	14.4	12.1
Ringgold	129	132	131	124	996	1034	864	719	7.7	7.8	6.6	5.8
Sac	385	380	384	382	2537	2477	2598	2098	6.6	6.5	6.8	5.5
Scott	4458	4435	4198	3903	74535	72105	63789	57854	16.7	16.3	15.2	14.8
Shelby	414	405	403	381	4417	4059	3546	3216	10.7	10.0	8.8	8.4
Sioux	1089	1061	961	791	14410	14286	12259	8762	13.2	13.5	12.8	11.1
Story	1842	1814	1735	1548	26207	25438	22802	18386	14.2	14.0	13.1	11.9
Tama	395	407	393	365	4373	4533	3189	2979	11.1	11.1	8.1	8.2
Taylor	178	174	179	179	1090	1269	1271	1111	6.1	7.3	7.1	6.2
Union	354	359	342	337	4432	4273	3942	3406	12.5	11.9	11.5	10.1
Van Buren	180	185	175	165	1516	1417	1095	990	8.4	7.7	6.3	6.0
Wapello	881	865	850	797	12587	13097	11418	9451	14.3	15.1	13.4	11.9
Warren	730	740	640	574	6849	6015	5657	4737	9.4	8.1	8.8	8.3
Washington	670	649	613	557	5994	5644	5313	4082	8.9	8.7	8.7	7.3
Wayne	205	194	193	167	1596	1753	1432	1140	7.8	9.0	7.4	6.8
Webster	1246	1233	1177	1149	16218	16073	15099	13093	13.0	13.0	12.8	11.4
Winnebago	352	350	329	319	7187	7538	6139	5504	20.4	21.5	18.7	17.3
Winneshiek	596	593	572	542	8780	8519	7046	5652	14.7	14.4	12.3	10.4
Woodbury	2921	2861	2751	2655	47114	46813	41415	34692	16.1	16.4	15.1	13.1
Worth	187	187	185	176	1479	1451	1426	1085	7.9	7.8	7.7	6.2
Wright	457	451	439	433	4723	4641	4399	3895	10.3	10.3	10.0	9.0
County Unknown	8	13	11	26	123	180	237	494	15.4	13.8	21.5	19.0
State of Iowa	80608	79348	75971	71535	1179660	1163559	1038327	874688	14.6	14.7	13.7	12.2

Table 2. Payrolls from Business Establishments in Iowa's Counties, 1987, 1992, 1996, and 1997.

County	Annual Payroll (in \$1,000s)				Adjusted Annual Payroll (in 1997 \$1,000s)			Average Annual Payroll Per Employee for Business Establishments				Adj. Avg. Annual Payroll Per Emp. for Bus. Estab. (in 1997 \$1,000s)		
	1997	1996	1992	1987	1996	1992	1987	1997	1996	1992	1987	1996	1992	1987
Adair	42709	41659	29074	23304	42585	33158	32646	20583	19913	16417	13573	20355	18723	19014
Adams	17953	17287	13805	16692	17671	15744	23384	17793	17356	13588	12752	17742	15497	17864
Allamakee	73570	69035	53450	39402	70569	60958	55198	16804	16014	13091	11613	16370	14930	16269
Appanoose	63788	59994	53704	38271	61327	61247	53614	18728	18022	16862	14164	18422	19230	19842
Audubon	24156	22360	19649	11815	22857	22409	16552	16963	14957	13047	10521	15289	14880	14739
Benton	88533	79313	53805	42351	81075	61363	59329	20446	18644	15238	13845	19058	17378	19395
Black Hawk	1453852	1367298	1077229	752675	1397676	1228538	1054419	25220	24255	21572	18762	24794	24602	26284
Boone	140249	138525	112140	62450	141603	127891	87486	20683	19258	18901	13659	19686	21556	19135
Bremer	167341	159404	135594	97510	162946	154640	136601	22065	21506	19329	16578	21984	22044	23224
Buchanan	110058	96064	72369	39315	98198	82534	55076	22660	20292	17895	12984	20743	20409	18189
Buena Vista	153168	144639	111783	84419	147852	127484	118262	19201	17723	15569	13207	18117	17756	18502
Butler	44678	38150	30802	21658	38998	35129	30341	18001	15470	14001	11187	15814	15968	15672
Calhoun	38608	38674	33866	24724	39533	38623	34636	16229	14812	14473	12203	15141	16506	17095
Carroll	182538	173121	143540	97095	176967	163702	136020	18896	18339	16957	14792	18746	19339	20722
Cass	102656	93217	70785	60739	95288	80728	85089	19184	17417	14251	13340	17804	16253	18688
Cedar	69770	70271	47771	34078	71832	54481	47740	17287	16933	14703	12570	17309	16768	17609
Cerro Gordo	470967	439850	346095	250277	449622	394708	350612	21220	20257	18988	14855	20707	21655	20810
Cherokee	91991	88601	75518	58288	90569	86125	81655	21544	19982	16700	15800	20426	19046	22134
Chickasaw	83953	78680	63028	45439	80428	71881	63655	20698	19577	16426	14820	20012	18733	20761
Clarke	48725	44789	40322	31265	45784	45986	43799	17692	15381	14588	14231	15723	16637	19936
Clay	169063	144691	108950	73711	147906	124253	103261	20448	19116	16325	14156	19541	18618	19831
Clayton	108209	98616	67522	49533	100807	77006	69391	18898	18065	16200	12936	18466	18475	18122
Clinton	421770	391874	334296	233156	400580	381252	326627	22470	21737	18222	15541	22220	20781	21771
Crawford	107763	99565	79119	76026	101777	90232	106504	19445	18476	15974	15487	18886	18218	21696
Dallas	204452	182094	121895	73972	186140	139017	103627	23395	21704	17587	15136	22186	20057	21204
Davis	29231	26573	18124	13261	27163	20670	18577	17577	15752	14327	12522	16102	16339	17542
Decatur	30478	27869	23571	18983	28488	26882	26593	13474	12229	10953	8946	12501	12491	12532
Delaware	89046	81296	54239	36869	83102	61858	51650	21318	20334	16283	14957	20786	18570	20953
Des Moines	493373	472287	393819	314558	482780	449135	440663	23793	22739	20891	18154	23244	23825	25432
Dickinson	148936	148460	97279	58748	151758	110943	82300	20225	20511	17550	13720	20967	20015	19220
Dubuque	1154844	1094916	884106	672956	1119242	1008289	942741	23829	22954	20590	18377	23464	23482	25744
Emmet	68244	57253	47754	32664	58525	54462	45759	20042	18827	16084	12211	19245	18343	17106
Fayette	124981	120148	88845	57493	122817	101324	80542	17502	17946	15786	13171	18345	18003	18451
Floyd	84309	85644	84791	59351	87547	96701	83145	19010	18873	16807	14088	19292	19168	19736
Franklin	58275	60084	37311	33859	61419	42552	47433	19889	21254	16272	14863	21726	18558	20822
Fremont	27654	25172	19834	13821	25731	22620	19362	19366	16550	15544	11155	16918	17727	15627
Greene	48873	44438	32123	26249	45425	36635	36772	19402	18500	15348	12650	18911	17504	17721
Grundy	58362	50824	40161	26514	51953	45802	37143	23420	21212	17802	13688	21683	20302	19175
Guthrie	29935	28341	19777	17537	28971	22555	24568	15640	14799	12126	10899	15128	13829	15268
Hamilton	151305	130228	98440	79960	133121	112267	112016	22241	20846	17180	14940	21309	19593	20929
Hancock	58954	57906	54242	36525	59193	61861	51168	19625	18801	16914	14000	19219	19290	19613
Hardin	137036	135732	93834	72328	138748	107014	101324	19766	18933	16670	13565	19354	19011	19003
Harrison	49300	44724	32734	24947	45718	37332	34948	16701	15854	13651	11745	16206	15568	16454
Henry	245301	202176	148590	107028	206668	169461	149935	21303	18722	17068	15958	19138	19465	22355
Howard	64575	55352	32057	21662	56582	36560	30346	20192	19087	13883	11760	19511	15833	16475
Humboldt	73191	63579	40472	31470	64992	46157	44086	19430	19825	15890	14144	20265	18122	19814
Ida	70873	67205	48163	33458	68698	54928	46871	21418	20852	18032	15782	21315	20565	22109
Iowa	214766	221657	157809	90786	226582	179975	127182	25222	24146	20905	14695	24682	23841	20586
Jackson	82140	77293	57822	39504	79010	65944	55341	16018	15385	13372	11740	15727	15250	16447
Jasper	340290	277945	215960	192935	284120	246294	270282	29779	24779	22649	19353	25330	25830	27112

Table 2. Payrolls from Business Establishments in Iowa's Counties, 1987, 1992, 1996, and 1997 (continued).

County	Annual Payroll (in \$1,000s)				Adjusted Annual Payroll (in 1997 \$1,000s)			Average Annual Payroll Per Employee for Business Establishments				Adj. Avg. Annual Payroll Per Emp. for Bus. Estab. (in 1997 \$1,000s)		
	1997	1996	1992	1987	1996	1992	1987	1997	1996	1992	1987	1996	1992	1987
Jefferson	218726	180800	126405	77075	184817	144160	107974	28049	23548	19219	14931	24071	21919	20917
Johnson	986703	917270	716361	360928	937649	816982	505622	22743	21459	18598	14793	21936	21210	20723
Jones	74780	69240	54455	42071	70778	62104	58937	18252	17046	16021	13471	17425	18271	18871
Keokuk	35935	33840	26140	22232	34592	29812	31145	18466	17662	14628	12589	18054	16683	17636
Kossuth	99567	93980	70549	61939	96068	80458	86770	18296	17983	15475	13823	18383	17649	19365
Lee	386909	363076	295026	219692	371143	336466	307766	23411	22491	20214	17601	22991	23053	24657
Linn	2858965	2775477	2155569	1511187	2837141	2458344	2117015	28197	27412	23454	19712	28021	26748	27614
Louisa	51248	55843	47757	27393	57084	54465	38375	18342	17326	16479	13877	17711	18794	19440
Lucas	53962	49522	49377	43305	50622	56313	60666	22271	19809	19020	17924	20249	21692	25110
Lyon	41397	36116	29135	18645	36918	33227	26120	16924	15792	13775	11668	16143	15710	16346
Madison	43997	40971	27459	20051	41881	31316	28089	17180	16048	14060	11484	16405	16035	16088
Mahaska	123055	113936	90453	63374	116467	103158	88780	19370	19133	16615	12782	19558	18949	17906
Marion	381851	352235	269689	172293	360061	307570	241364	25171	24134	22745	18273	24670	25940	25599
Marshall	356490	342683	309324	239401	350297	352772	335376	23463	23455	22392	18805	23976	25537	26344
Mills	60841	60038	57712	19123	61372	65818	26789	21901	20825	19610	11342	21288	22364	15889
Mitchell	60344	56028	37377	25835	57273	42627	36192	19248	18328	14969	11950	18735	17072	16741
Monona	43507	48795	32004	22435	49879	36499	31429	16168	16546	14501	11685	16914	16538	16369
Monroe	56066	50902	31535	16040	52033	35964	22470	22791	21121	16024	12033	21590	18275	16857
Montgomery	84485	81406	65743	50523	83215	74977	70777	19652	18518	16827	14337	18929	19191	20085
Muscatine	526210	485924	446009	327587	496720	508656	458915	29556	26418	24973	20571	27005	28481	28818
O'Brien	89542	84975	65561	47527	86863	74770	66580	17492	16662	13756	11643	17032	15688	16311
Osceola	33447	32466	27523	17321	33187	31389	24265	19047	18117	16510	13606	18520	18829	19061
Page	145546	133008	90989	74808	135963	103769	104798	22072	19983	16222	14489	20427	18501	20298
Palo Alto	45980	43494	31357	21099	44460	35761	29557	16433	16339	14260	11116	16702	16263	15572
Plymouth	183424	171808	126517	84510	175625	144288	118390	23075	21982	18186	14785	22470	20740	20712
Pocahontas	45375	50152	37961	27585	51266	43293	38644	17992	18890	15507	13703	19310	17685	19196
Polk	6506222	6069907	4701569	3335786	6204764	5361959	4673088	28843	27231	23213	19400	27836	26474	27177
Pottawattamie	561909	548366	393227	305655	560549	448460	428191	20639	19698	17060	14817	20136	19456	20757
Poweshiek	187459	184200	156167	112442	188292	178102	157519	20632	21599	19448	17738	22079	22180	24849
Ringgold	17588	16413	10900	7603	16778	12431	10651	17659	15873	12616	10574	16226	14388	14813
Sac	41110	38802	31704	22016	39664	36157	30842	16204	15665	12203	10494	16013	13917	14701
Scott	1891629	1749892	1403321	1113791	1788770	1600434	1560305	25379	24269	21999	19252	24808	25089	26970
Shelby	76274	68947	52314	38264	70479	59662	53604	17268	16986	14753	11898	17363	16825	16668
Sioux	269868	239870	185008	108767	245199	210995	152371	18728	16791	15092	12413	17164	17212	17389
Story	516480	482408	360073	232284	493126	410649	325406	19708	18964	15791	12634	19385	18009	17699
Tama	84218	80897	47865	39732	82694	54588	55660	19259	17846	15009	13337	18242	17117	18684
Taylor	16833	19087	16175	11142	19511	18447	15609	15443	15041	12726	10029	15375	14514	14050
Union	80550	75011	59790	43494	76678	68188	60931	18175	17555	15167	12770	17945	17297	17889
Van Buren	30611	26571	17849	12465	27161	20356	17462	20192	18752	16300	12591	19169	18590	17639
Wapello	262983	262800	225576	161703	268639	257261	226529	20893	20066	19756	17110	20512	22531	23969
Warren	115997	106132	79809	55677	108490	91019	77998	16936	17645	14108	11754	18037	16090	16466
Washington	115408	106314	84889	55353	108676	96813	77544	19254	18837	15978	13560	19256	18222	18996
Wayne	26064	26379	20086	12933	26965	22907	18118	16331	15048	14027	11345	15382	15997	15893
Webster	379635	347637	297453	190798	355361	339234	267288	23408	21629	19700	14573	22110	22467	20415
Winnebago	158264	159976	111727	86818	163530	127420	121623	22021	21223	18200	15774	21695	20756	22098
Winneshiak	165582	149142	109686	76353	152456	125093	106963	18859	17507	15567	13509	17896	17754	18925
Woodbury	1058771	1028557	809379	557121	1051409	923066	780468	22473	21972	19543	16059	22460	22288	22497
Worth	26489	24256	19877	13870	24795	22669	19430	17910	16717	13939	12783	17088	15897	17908
Wright	96024	94536	74145	57865	96636	84560	81063	20331	20370	16855	14856	20823	19222	20812
County Unknown	2983	4349	4811	10069	4446	5487	14106	24252	24161	20300	20383	24698	23151	28554
State of Iowa	28192095	26469307	20709355	14727611	27057386	23618227	20631844	23898	22749	19945	16838	23254	22747	23588

Employees Per Establishment

Iowa's establishments averaged 14.6 employees each in 1997, up one employee on average from 1992 and two from 1987 (Table 1). While there was considerable range in the average number of employees per establishment, 39 counties averaged fewer than 10 in 1997. In contrast, Henry, Polk, and Winnebago had averages of at least 20. All but Adams, Decatur, Floyd, Lucas, and Taylor averaged more employees per firm in 1997 than in 1987.

Annual Payroll

Iowa's payroll from these establishments was more than \$28 billion in 1997, more than \$7.4 billion higher than in 1992 (Table 1). The total in 1997 was \$13.5 billion more than the amount 10 years earlier. While the three counties with the lowest payrolls in 1997 (Adams, Ringgold, Taylor) were below \$20 million, the majority (51) of Iowa's 99 counties ranged from \$20 million to \$99 million. Payrolls exceeded \$1 billion in Black Hawk, Dubuque, Linn, Polk, Scott, and Woodbury, with Polk's \$6.5 billion the highest. No county reported a lower payroll in 1997 than in 1987.

Because inflation has affected the value of a dollar from year to year, comparisons of the 1997 payroll data with those for earlier years are somewhat limited. To determine whether pay was keeping pace with inflation, the figures for previous years were adjusted to 1997 dollars based on the consumer price index for each year. After adjusting for inflation, the payroll in Iowa still was \$4.6 billion higher in 1997 than in 1992. Annual payroll figures increased nearly \$7.6 billion after inflation was taken into account from 1987 to 1997. County adjusted and unadjusted payroll figures also differ. Before adjusting for inflation, no county had a lower payroll in 1997 than in 1987. After adjustment, Adams and Lucas had lower payrolls in 1997 than in 1987. In Polk, the total was nearly \$1.8 billion higher in 1997 than in 1987 even after adjusting for inflation.

Pay Per Employee

Payrolls may be going up because wages and salaries are higher or because there are more workers (Table 1). Dividing the annual payroll by the number of employees results in the average pay per employee. Statewide in 1997, employees averaged nearly \$23,900, up about \$4,000 from the 1992 figure. The average pay per person gained more than \$7,000 across the 10 years noted.

In 1997, pay per employee varied from less than \$15,000 in Decatur to nearly \$30,000 in Jasper and Muscatine. All counties had higher average pay in 1997 than in 1987, with the increase less than \$4,000 in four counties and greater than \$8,000 in 15 others. As with total payroll, the average pay per worker for 1987 and 1992 was adjusted to 1997 dollars to account for the effects of inflation. When that was done, the state figure in 1997 was \$310 higher than that for 1987, which means pay slightly outdistanced inflation. Adjusted pay per employee declined between 1987 and 1992, so the 1997 figure indicates that gains were made in recent years after declines in the late 1980s.

Among counties, the pattern of change in average pay per employee between 1987 and 1997 differed substantially when adjusted figures were compared. With the unadjusted numbers, all the counties had higher average pay in 1997 than in 1987. With adjustment for inflation, 39 counties were lower in the more recent year. Eighteen of these 39 decreased by more than \$1,000 in adjusted average pay over the period, with two (Poweshiek, Wapello) down more than \$3,000. Sixty counties had higher adjusted average pay in 1997 than in 1987; 34 increased by at least \$1,000. Gains exceeded \$3,000 in eight counties (Buchanan, Fremont, Grundy, Howard, Iowa, Jefferson, Mills, Monroe) even after inflation was taken into consideration.

Note: These data are published in annual reports entitled COUNTY BUSINESS PATTERNS: IOWA (Washington, D.C.: U.S. Bureau of the Census; the 1997 volume was published in 1999 under CBP-97-17). More detailed data are available for each county, incorporated places with at least 2,500 residents, and the state in these reports.

Retail Sales in Iowa's Counties:

1980-1998

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The Iowa Department of Revenue and Finance annually reports retail sales tax receipts by the location of sales. Because these taxes are a set percentage of sales, they can be used to generate the actual dollars received from those sales. These data have been aggregated by county in this report. Adjustments have been made in the figures for counties in which additional sales taxes have been generated through local options approved by voters. Receipts are reported from the department's fiscal year of 1 April through 30 March; thus, the numbers in the tables under 1998 cover the period from 1 April 1997 through 30 March 1998.

Retail Sales

In 1980, more than \$15 billion in retail sales were reported in Iowa (Table 1). These figures cover all retail sales; estimates are included for the small portion for which sales tax is not paid. By 1998, this figure had increased to more than \$29 billion. Increases of more than \$1 billion from 1988 to 1989, from 1989 to 1990, and each year from 1992 to 1997 were the largest reported between 1980 and 1998. Minor decreases occurred between 1980 and 1981 and between 1985 and 1986.

Sales varied greatly among Iowa's counties. In 1998, for example, Polk had retail sales of \$6.4 billion, which was more than a fifth (21.8%) of all retail sales in the state. Five other counties (Black Hawk, Johnson, Linn, Scott, Woodbury) reported at least a billion dollars in sales. Half (51.3%) of all sales in the state were generated in these six counties in 1998. Sales were less than \$50 million in 18 counties; four of them (Adams, Ringgold, Taylor, Van Buren) had receipts from sales of less than \$25 million in 1998.

When 1988 and 1998 were compared, 96 counties had sales that were greater at the end of the period than the beginning (Figure 1). The greatest increase was in Polk (+\$2.6 billion); Linn's \$1.3 billion gain was the second highest. Another 14 counties reported at least \$100 million more in sales in 1998 than in 1988. Three counties declined in sales, Keokuk by less than \$5 million and Calhoun (-\$23.1 million) and Lucas (-\$11.3 million) by somewhat higher figures.

The state's increase in retail sales from 1988 to 1998 was 56.5 percent, a level exceeded by 20 counties. These sales more than doubled in Iowa County and increased by 75-99 percent in Dickinson, Johnson, Linn, and Union. Three deserve special mention. Iowa County began the period at \$93 million; it was \$129 million higher by 1998, with much of the increase due to a major shopping center constructed near an interstate highway. Sales in Dickinson gained \$98 million by 1998 from its base of \$110 million in 1988; this is related to its status as a recreational center. For Union, a major change occurred in the manner in which data were reported in 1997, which greatly added to sales in that county and decreased totals in others. Receipts of one firm covering a large geographic area were credited to Union alone unlike previous years. Unfortunately, information is not available to reapportion sales among the affected counties; those counties would have had somewhat higher figures if sales from this firm had been attributed to them as they were in previous years.

Table 1. Retail Sales (in \$1,000s) in Iowa's Counties, 1980-1998*.

County	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	52111	54452	51431	47615	47085	44794	44158	41630	40683	40798	41626	42847	43041	42748	44944	48603	47299	45732	46122
Adams	24127	23407	23113	22899	22261	21142	20202	19390	19600	19780	20205	20149	18471	19139	20044	22426	21147	19710	20544
Allamakee	89408	89431	88453	86950	80958	79335	76400	76268	68683	68593	70415	68834	65866	66158	66812	67298	67098	61841	61787
Appanoose	85616	85220	80982	81773	83133	84566	79520	71767	66834	68339	66703	71046	64235	62429	63322	64160	62947	65866	65428
Audubon	33291	34495	33324	31544	33009	33361	33898	32634	28740	28482	29768	28980	30633	33449	34900	37079	33906	33939	38407
Benton	122711	122107	111402	102923	99719	95356	92304	90474	85157	83217	82078	80411	76461	83023	84497	87937	86707	87513	89725
Black Hawk	1460874	1378924	1319854	1259540	1199518	1159371	1099887	1063237	1005436	940556	854311	817100	791059	822513	811969	790325	807585	789589	772710
Boone	165327	160518	154169	148923	145523	140752	136507	132792	127000	117378	112314	106344	106351	108035	108428	103032	95100	98033	101264
Bremer	169224	140951	137423	131954	134048	126414	124219	120756	113444	109543	107662	103908	98188	104160	107199	108042	110078	108326	105713
Buchanan	108605	104169	107284	109990	107471	103393	98632	93557	92402	86499	84045	79745	76597	81744	81323	86940	80862	77594	81309
Buena Vista	168474	163791	157696	152603	150104	146352	142910	142795	133518	131636	131353	135676	121581	130724	135402	130199	123003	122209	127355
Butler	59517	57784	55527	59340	57534	57101	54690	53557	51979	53334	54099	54114	55383	56147	59521	63417	62111	58905	61055
Calhoun	48954	49496	45723	44288	46734	45074	42033	42986	46649	62068	72101	56649	47478	49059	53035	56397	55578	56799	59779
Carroll	230619	219656	206239	198360	196771	182835	171669	165652	160253	155566	151356	146098	133510	138373	145997	145810	135468	131918	138155
Cass	111814	112914	106159	103713	101806	99442	99613	97058	93991	92502	91466	91176	90453	99347	99477	100620	95004	97155	96427
Cedar	84949	81070	76532	74095	72715	71584	66862	64865	62519	62293	61762	66642	61449	64041	65441	75801	71742	71293	72972
Cerro Gordo	615887	602761	568991	534815	501078	474966	457949	450533	430451	410350	383790	374668	350064	346906	334994	324798	303631	292656	286525
Cherokee	101339	96549	92970	91890	88924	84406	82744	81155	76089	78368	75565	75319	75924	78129	81172	84826	77383	77344	79824
Chickasaw	72534	77493	70723	69606	66468	63453	61055	57772	55368	56659	57575	62371	55401	59103	61607	64650	65488	63330	67894
Clarke	52706	51422	48825	46218	47843	49833	50298	48344	45941	44588	43367	41534	40363	38561	39612	38831	41525	42492	40470
Clay	198526	193033	181456	172511	164434	152634	146960	146136	141888	138520	129794	128404	119482	130165	136207	136110	136788	137205	136717
Clayton	87484	90328	87940	83671	81083	78309	78141	73662	70078	70007	73354	72332	67995	72654	78598	81423	80203	80647	87199
Clinton	393229	399807	387172	368345	359805	351560	340329	333187	319160	316064	296565	282351	279952	275889	277727	274440	275239	269954	260690
Crawford	107531	108440	104733	103324	99678	97598	95067	88688	84819	83143	83294	83713	79601	81903	82604	83005	77920	78913	80950
Dallas	175921	164126	157618	145980	139815	133466	129483	127506	119478	115311	110024	111437	111967	123929	125069	120607	119091	117625	116938
Davis	41422	40424	36051	34921	34904	34490	33915	33206	30791	31157	30452	30529	30395	28688	28422	29812	30876	29798	29333
Decatur	28950	26692	25888	26467	33149	26239	26259	25956	24149	24668	24262	24037	24583	24871	25147	25550	26367	25971	24699
Delaware	104690	101079	97930	97376	95003	90454	89378	85243	74415	72518	80114	73093	70176	73033	73519	76392	73610	72574	75055
Des Moines	471265	463805	440530	429853	421306	394399	385059	361824	340744	335287	317488	298971	284125	276396	266705	267579	260038	254610	252944
Dickinson	208139	200181	189909	185595	169777	168501	153482	148070	136452	120573	110234	101287	92539	94166	92911	86185	81572	79391	81664
Dubuque	957033	936663	920570	895062	818488	788170	745005	703878	668050	635491	612932	575734	551085	538324	528239	507296	499035	497984	496155
Emmet	93458	92528	88369	83397	82752	79685	76437	74725	73993	71815	67935	69253	61522	61893	67385	64646	67868	69271	67281
Fayette	139612	138483	133657	131721	128311	125474	122307	120073	114107	111876	111273	116063	112668	113015	117588	120125	121387	119314	122679

*The fiscal year for these data runs from 1 April through 30 March; thus, 1998 refers to the period from 1 April 1997 through 30 March 1998.

Table 1. Retail Sales (in \$1,000s) in Iowa's Counties, 1980-1998* (continued).

County	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Floyd	116018	113504	103069	94625	96646	98589	95646	90844	89561	88823	84161	82582	79681	86301	88630	88137	88986	83998	85736
Franklin	64325	63193	60744	57930	56413	54793	56306	53104	50283	54094	56102	62215	52931	57200	57593	67425	66187	67370	68697
Fremont	46756	46818	47165	41014	44834	42349	36287	30904	30549	31573	31947	33648	32322	35844	34468	34197	32951	30393	28359
Greene	68732	67558	64937	63183	63833	61487	56691	52327	52089	51318	50701	51754	50322	53954	57158	57829	54525	56523	59423
Grundy	55027	54620	52841	51599	50052	48782	46818	44610	41951	43334	46217	49093	46656	52791	53636	58373	57640	55654	56226
Guthrie	56601	56563	55670	53937	50852	47796	48638	46637	45106	44591	41138	40133	39004	41808	43702	44011	41238	40488	43751
Hamilton	98737	98082	101340	97075	94948	92022	90087	93027	88007	86618	84391	81930	79727	83581	85720	87310	84114	83164	87868
Hancock	60396	61207	60690	58787	56937	55084	53407	53380	52951	55864	55545	56306	54241	57127	60703	62488	59728	60842	65778
Hardin	165913	159577	150040	147087	134712	127418	125287	121269	114617	113661	116399	114209	115277	120061	125928	126560	123838	124053	128964
Harrison	64963	63867	60805	59290	56663	60525	57011	53677	51358	50229	50925	56228	53227	54147	57513	57228	53888	57502	58310
Henry	133811	127007	129776	122683	120015	136446	132010	126527	117024	116959	112340	110256	98335	96785	93046	94097	87927	87928	89433
Howard	57789	55426	52647	55211	53338	52079	49973	47472	43960	43774	46009	49438	45171	44870	48219	50810	50358	47783	49418
Humboldt	73321	70105	66124	64101	63376	62787	60039	59530	60935	59778	59135	56735	54634	58218	60688	61498	62531	60815	62396
Ida	55594	53509	50458	47014	47653	44822	45335	43658	45565	45270	46455	45619	43352	45025	47134	47047	41097	39781	42423
Iowa	221690	199092	181811	178728	174072	160638	151840	112269	101882	97437	92812	91992	86416	88467	88903	86181	84776	85495	83459
Jackson	108297	110166	104953	103088	103107	100184	96596	94149	85880	84868	83579	84608	83105	83106	84821	84828	82866	82175	82451
Jasper	226280	228313	212353	210481	205045	219770	227739	224584	211708	189793	188372	182496	180102	184622	180871	170856	164412	162003	167233
Jefferson	145269	136100	130884	121207	111587	106444	98528	95047	94566	100221	94971	89634	84911	82374	77579	74412	72195	71759	71203
Johnson	1071528	1042787	990928	947020	888226	825557	774419	738389	705148	656467	597298	578282	528083	518157	497889	459339	415822	387711	366750
Jones	135357	131621	128566	126388	123460	116655	112303	112409	105949	108813	102412	100147	91482	92454	89342	89620	88015	84458	91639
Keokuk	34585	35800	33840	34101	36883	38334	37380	36145	35445	35652	37943	39859	39294	40714	40782	45875	45873	45019	48967
Kossuth	124037	119668	120377	118822	112712	109526	105949	104626	103791	98556	99967	108226	106751	113328	121174	123847	127761	121319	128373
Lee	315725	324003	315634	311386	300336	284046	274242	263718	251736	245632	239793	241840	229971	230595	222663	223988	218822	215502	209094
Linn	2786340	2575164	2545158	2390230	2217771	2031936	1907676	1834635	1737351	1631777	1516450	1439992	1361418	1334752	1246837	1169591	1132107	1106281	1109708
Louisa	30880	29254	30244	30379	30338	31488	30483	29605	29806	30783	29888	31010	33557	33083	32968	36593	35565	36072	34548
Lucas	44901	41307	36868	42027	38177	62960	62463	62313	55286	59295	56229	50918	38541	39960	39997	39632	41618	40424	39551
Lyon	55664	51926	48835	48822	49347	47457	46263	44680	40657	40654	40907	41952	37061	39205	41662	44469	41085	42977	48149
Madison	70687	67730	64123	61355	56897	56209	52047	49925	46773	42930	41419	39102	34230	34359	36101	38461	37487	38359	39185
Mahaska	174445	169918	160253	159174	164390	160278	155131	145140	133378	130331	130564	128008	123531	123501	118403	119015	111827	111709	117659
Marion	220718	213265	204039	192734	184628	172626	165384	161591	156081	153508	148284	141318	135236	131088	126509	122319	119283	114955	118698
Marshall	377590	366384	363306	352792	350465	313405	301437	297446	280758	268442	251609	234886	234918	240047	232617	227858	218573	216640	210844
Mills	40609	40530	40034	39250	39670	42245	42767	42203	40956	39596	39210	41294	39201	39816	40204	40748	38588	37664	37416
Mitchell	62973	62833	59861	58786	56292	54365	52766	51710	47986	46859	49373	49318	44722	47349	49949	51808	50221	49078	52790

Table 1. Retail Sales (in \$1,000s) in Iowa's Counties, 1980-1998* (continued).

County	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Monona	53893	55569	51243	48686	48161	48763	45525	45416	44440	45389	44972	47540	46697	45692	50602	50872	49872	51069	56761
Monroe	38451	40944	42651	42339	39615	38608	34915	36810	35468	33854	32752	32884	32103	31983	32531	30907	31496	30683	31009
Montgomery	88289	93637	91439	96583	95943	93309	87408	87705	86810	85279	79231	73427	68593	71589	72701	67219	67734	67604	67045
Muscatine	361894	342598	324487	322694	314481	302688	283404	272409	261989	249746	233345	220120	220037	230943	225050	216307	212491	197822	186131
O'Brien	104643	101315	96469	92637	92254	89599	86581	86453	86120	88484	90297	85916	75044	77701	81619	83799	80234	77940	83884
Osceola	36945	36454	34727	34175	32206	32215	30862	30326	30639	28905	28885	28410	27739	29411	33807	34031	32469	33167	35583
Page	106448	105613	108146	102513	99411	94002	91498	92622	91696	93088	90483	92594	89286	93216	94414	94741	92808	95825	100857
Palo Alto	64806	57946	53708	50920	48943	43950	42558	42691	41576	41056	40860	43389	41834	43766	48570	51476	49188	49792	51980
Plymouth	160212	152481	142261	137331	135414	131779	127175	119529	112889	109781	107755	105145	97563	99411	99433	97457	92418	91142	96470
Pocahontas	44863	42585	41077	39933	39484	38671	39297	37076	36087	36309	37130	36999	40681	47066	48838	51013	48543	49264	51667
Polk	6356493	6205982	5942471	5646934	5360643	5007727	4720949	4502306	4358547	4111700	3765168	3513382	3254482	3070912	2906398	2608614	2466204	2376725	2370263
Pottawattamie	817467	771384	722846	658474	592235	559849	539073	521820	516367	498007	471803	444704	407113	413236	404873	384239	355209	350131	331083
Poweshiek	130894	134429	134308	121707	127026	171640	172050	165222	151782	149521	128647	124048	117415	116584	111770	109707	102023	91512	91625
Ringgold	23068	22253	21376	20304	21556	21870	22082	21318	20106	20100	19984	20260	19745	19047	19758	21107	22428	21279	23230
Sac	65034	63283	59038	57106	55836	53600	55204	53239	50086	49432	48747	49668	47783	52836	55206	61277	57532	59094	65781
Scott	2057550	1958299	1913996	1807408	1716910	1638392	1616729	1497100	1481015	1294922	1252558	1188962	1164155	1155406	1078089	1019768	1009623	975293	947266
Shelby	80400	79561	73879	72597	72384	70762	67303	67623	64635	65548	64526	65588	64131	64640	67773	71355	66797	66608	69731
Sioux	236723	221950	206073	198590	195676	182904	175896	167023	151036	139978	136838	133378	125073	132152	139892	140755	134004	131772	144055
Story	737787	672914	627577	614286	578424	560705	527998	514331	478348	450646	428724	414177	396356	382423	370258	355057	335070	323558	311719
Tama	95878	88387	86395	85103	82526	78979	78062	74844	73588	72919	71343	79626	76870	75440	80291	82725	82449	81227	86014
Taylor	22663	21612	21011	21038	20798	19994	19263	18782	17669	17514	17964	19563	18824	19580	21649	23229	23800	23175	25781
Union	141223	226724	110097	101190	96527	89581	86036	85367	75755	71149	71173	70111	68371	66582	67832	68050	65517	64792	67752
Van Buren	24677	25171	23325	22738	23887	20842	21538	19147	18889	16667	16448	16265	17301	18128	17141	17923	19060	21068	22356
Wapello	339780	322735	310418	289523	305815	288355	272987	263945	247915	215842	201028	197748	201279	202055	193091	188781	179792	185458	178592
Warren	157919	151252	148693	141207	134492	125687	121462	117155	103684	98670	92747	88740	87098	86648	84468	81136	79895	76172	78876
Washington	127998	128540	121786	117997	120843	116882	114654	112964	104245	101002	105772	103420	99414	103264	101910	107640	101395	99450	103438
Wayne	26097	27575	27071	25236	23511	23318	22154	22066	21005	20549	20307	21015	21308	20856	21075	23491	25248	24556	27062
Webster	481106	462345	452117	445459	418014	398339	386136	374260	377872	317645	298096	306071	295336	304707	301798	297795	288763	290808	298213
Winnebago	70930	71417	72733	71728	66364	63060	61681	61605	60232	59411	56784	57722	55101	57501	59349	56281	54153	54685	56870
Winneshiek	155725	152878	142369	139072	135092	130892	127748	123919	116184	110092	107402	102934	91806	91095	89734	91174	89851	85230	83811
Woodbury	1217928	1157918	1140375	1089725	1033068	963271	909134	868587	847458	810994	763298	725923	695572	697824	684745	660299	632564	611872	594253
Worth	27341	25952	25165	24451	23668	22040	22137	21766	21090	21978	22302	27722	31579	24061	26370	29524	27631	30134	33565
Wright	94421	99339	95519	89836	87611	83669	81799	78197	73896	71520	72469	72790	73763	79513	86141	89211	91243	85481	87188
State of Iowa	28208303		25830411		23471508		21509747		19620270		17927124		17058024		16201576		15357655		
	29132661	27064108	24641528	22429291	20646143	18615486	17007366	16712989	15730689	15380853									

Table 2. Retail Sales (in 1998 dollars in \$1,000s) in Iowa's Counties, 1980-1998*.

County	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	52111	55424	53914	51289	52079	50847	51632	50356	51787	54483	57928	62069	63171	64844	70510	78585	80322	84873	96472
Adams	24127	23826	24229	24666	24622	23999	23621	23454	24949	26415	28118	29187	27110	29032	31447	36260	35912	36580	42971
Allamakee	89408	91028	92723	93659	89544	90055	89331	92253	87429	91602	97992	99712	96670	100356	104818	108811	113945	114768	129238
Appanoose	85616	86743	84892	88083	91950	95994	92979	86809	85075	91263	92827	102918	94276	94699	99344	103738	106897	122238	136854
Audubon	33291	35111	34932	33978	36509	37869	39635	39474	36584	38036	41426	41981	44959	50740	54753	59951	57578	62986	80334
Benton	122711	124288	116780	110864	110295	108242	107927	109436	108400	111132	114223	116483	112220	125938	132564	142182	147245	162412	187674
Black Hawk	1460874	1403554	1383569	1356725	1326735	1316037	1286041	1286075	1279856	1256058	1188890	1183649	1161022	1247680	1273866	1277849	1371434	1465375	1616241
Boone	165327	163385	161612	160414	160957	159772	159611	160623	161662	156751	156301	154049	156089	163880	170109	166588	161497	181936	211808
Bremer	169224	143468	144057	142135	148265	143496	145243	146065	144407	146288	149826	150521	144109	158001	168180	174689	186934	201038	221114
Buchanan	108605	106030	112463	118476	118868	117365	115325	113165	117622	115515	116960	115518	112420	123999	127584	140571	137319	144005	170070
Buena Vista	168474	166716	165308	164378	166024	166129	167097	172722	169959	175792	182795	196540	178441	198297	212427	210515	208883	226804	266383
Butler	59517	58816	58208	63918	63635	64817	63946	64782	66166	71224	75286	78389	81284	85171	93380	102537	105476	109320	127706
Calhoun	48954	50380	47931	47705	51691	51165	49147	51995	59382	82888	100338	82062	69682	74419	83205	91186	94383	105411	125036
Carroll	230619	223580	216196	213665	217640	207542	200723	200370	203991	207749	210632	211637	195950	209900	229049	235755	230050	244823	288972
Cass	111814	114930	111284	111716	112603	112880	116473	117400	119644	123531	127288	132077	132755	150701	156065	162690	161336	180307	201691
Cedar	84949	82518	80226	79813	80427	81258	78178	78460	79583	83189	85950	96538	90188	97145	102668	122560	121831	132311	152633
Cerro Gordo	615887	613527	596458	576081	554221	539148	535456	544957	547936	547998	534096	542743	513782	526226	525559	525154	515623	543131	599311
Cherokee	101339	98273	97458	98980	98355	95812	96748	98163	96856	104656	105159	109106	111432	118515	127348	137152	131411	143540	166965
Chickasaw	72534	78877	74138	74977	73518	72027	71389	69880	70480	75665	80123	90350	81311	89654	96653	104530	111212	117532	142011
Clarke	52706	52341	51182	49784	52917	56567	58811	58476	58481	59544	60351	60165	59239	58494	62145	62785	70518	78860	84650
Clay	198526	196480	190216	185822	181873	173260	171833	176764	180615	184985	180627	186006	175361	197449	213690	220072	232293	254635	285965
Clayton	87484	91942	92185	90127	89682	88891	91366	89100	89205	93491	102082	104779	99795	110209	123309	131649	136200	149671	182391
Clinton	393229	406948	405863	396766	397965	399066	397929	403017	406271	422085	412711	409012	410881	418500	435714	443733	467409	501000	545273
Crawford	107531	110377	109789	111296	110250	110786	111157	107276	107969	111033	115915	121267	116829	124239	129594	134208	132324	146452	169319
Dallas	175921	167058	165227	157244	154644	151502	151397	154229	152087	153991	153113	161427	164331	187989	196215	195005	202239	218298	244595
Davis	41422	41146	37792	37615	38606	39151	39655	40165	39195	41609	42378	44224	44610	43517	44589	48203	52433	55301	61355
Decatur	28950	27169	27138	28510	36665	29785	30703	31396	30740	32942	33764	34820	36080	37727	39451	41312	44776	48199	51662
Delaware	104690	102884	102658	104890	105079	102677	104505	103109	94726	96844	111489	105882	102995	110784	115341	123516	125003	134688	156988
Des Moines	471265	472090	461797	463020	465989	447694	450229	437657	433745	447756	441828	433089	417004	419268	418423	432640	441595	472523	529072
Dickinson	208139	203757	199077	199915	187783	191270	179458	179103	173695	161019	153405	146725	135818	142841	145764	139349	138525	147340	170813
Dubuque	957033	953393	965011	964125	905294	894675	871096	851400	850384	848662	852979	834006	808817	816591	828733	820230	847458	924194	1037784
Emmet	93458	94181	92635	89832	91528	90452	89374	90386	94188	95905	94541	100319	90295	93886	105718	104523	115252	128559	140728
Fayette	139612	140957	140109	141884	141919	142429	143007	145239	145250	149404	154851	168129	165361	171434	184479	194226	206138	221432	256603

*The fiscal year for these data runs from 1 April through 30 March; thus, 1998 refers to the period from 1 April 1997 through 30 March 1998.

Table 2. Retail Sales (in 1998 dollars in \$1,000s) in Iowa's Counties, 1980-1998* (continued).

County	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Floyd	116018	115531	108044	101927	106896	111911	111833	109884	114005	118617	117121	119628	116946	130910	139048	142505	151115	155889	179330
Franklin	64325	64322	63677	62400	62396	62198	65836	64233	64007	72239	78073	90124	77686	86767	90356	109017	112398	125031	143690
Fremont	46756	47655	49442	44179	49589	48072	42429	37381	38887	42164	44459	48743	47438	54372	54075	55291	55957	56406	59317
Greene	68732	68765	68072	68058	70603	69796	66285	63294	66306	68532	70557	74971	73857	81843	89673	93502	92595	104899	124293
Grundy	55027	55596	55391	55581	55360	55374	54741	53960	53402	57870	64318	71116	68477	80080	84147	94382	97884	103287	117604
Guthrie	56601	57574	58358	58099	56245	54255	56870	56412	57417	59549	57249	58136	57245	63418	68562	71160	70030	75140	91512
Hamilton	98737	99834	106232	104565	105018	104457	105335	112524	112027	115674	117442	118684	117013	126785	134483	141169	142842	154342	183789
Hancock	60396	62300	63620	63323	62975	62528	62446	64568	67403	74603	77298	81565	79609	86657	95235	101034	101429	112914	137586
Hardin	165913	162428	157283	158436	148999	144636	146492	146685	145900	151788	161985	165443	169190	182122	197563	204631	210300	230227	269748
Harrison	64963	65008	63740	63865	62672	68704	66660	64927	65375	67078	70869	81452	78120	82136	90230	92531	91513	106716	121964
Henry	133811	129276	136041	132149	132743	154884	154353	153045	148964	156191	156336	159717	144324	146815	145977	152142	149316	163183	187063
Howard	57789	56416	55188	59471	58995	59117	58431	57422	55959	58457	64027	71616	66296	68064	75649	82153	85518	88680	103365
Humboldt	73321	71357	69316	69046	70098	71272	70200	72006	77566	79830	82295	82187	80185	88311	95212	99434	106189	112864	130511
Ida	55594	54465	52894	50642	52707	50879	53008	52808	58002	60455	64649	66084	63627	68298	73947	76069	69791	73829	88733
Iowa	221690	202648	190588	192519	192534	182345	177539	135799	129689	130122	129161	133260	126831	134196	139476	139342	143967	158668	174568
Jackson	108297	112134	110020	111043	114042	113722	112944	113881	109319	113336	116311	122562	121972	126065	133072	137155	140723	152507	172459
Jasper	226280	232391	222604	226722	226791	249467	266283	271653	269490	253457	262146	264364	264332	280056	283762	276252	279203	300657	349794
Jefferson	145269	138530	137202	130559	123422	120827	115204	114967	120376	133840	132165	129844	124622	124954	121711	120314	122600	133176	148932
Johnson	1071528	1061413	1038765	1020092	982428	937115	905488	893144	897608	876674	831222	837698	775057	785999	781118	742689	706145	719541	767113
Jones	135357	133971	134773	136139	136554	132419	131310	135968	134867	145313	142521	145072	134266	140245	140165	144903	149466	156743	191677
Keokuk	34585	36440	35474	36732	40794	43514	43706	43720	45119	47612	52803	57740	57671	61759	63981	74174	77900	83550	102423
Kossuth	124037	121806	126188	127990	124666	124327	123880	126554	132120	131615	139117	156776	156676	171909	190104	200245	216962	225152	268512
Lee	315725	329791	330871	335413	332189	322429	320657	318990	320444	328027	333704	350328	337524	349792	349327	362158	371601	399944	437352
Linn	2786340	2621160	2668026	2574658	2452980	2306511	2230546	2219147	2211536	2179144	2110347	2085969	1998126	2024702	1956113	1891072	1922536	2053114	2321126
Louisa	30880	29777	31704	32723	33556	35743	35642	35810	37941	41109	41593	44920	49250	50185	51723	59166	60397	66945	72263
Lucas	44901	42045	38648	45270	42226	71468	73035	75373	70376	79185	78251	73760	56565	60617	62750	64080	70675	75021	82728
Lyon	55664	52854	51193	52589	54580	53870	54093	54044	51753	54291	56927	60771	54394	59470	65361	71900	69770	79759	100712
Madison	70687	68939	67219	66089	62931	63804	60856	60389	59539	57331	57640	56643	50238	52119	56638	62187	63660	71189	81962
Mahaska	174445	172953	167989	171456	181824	181936	181386	175559	169782	174049	181698	185432	181305	187340	185759	192432	189903	207318	246102
Marion	220718	217075	213888	207605	204209	195953	193375	195458	198681	205000	206358	204713	198483	198849	198475	197773	202566	213341	248274
Marshall	377590	372928	380844	380013	387634	355756	352454	359786	357387	358489	350148	340255	344784	364131	364944	368415	371179	402055	441013
Mills	40609	41254	41966	42279	43878	47953	50005	51048	52134	52878	54566	59818	57534	60398	63075	65883	65529	51341	78261
Mitchell	62973	63956	62751	63322	62262	61712	61697	62548	61084	62577	68709	71442	65637	71824	78363	83767	85285	91082	110419

Table 2. Retail Sales (in 1998 dollars in \$1,000s) in Iowa's Counties, 1980-1998* (continued).

County	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Monona	53893	56562	53716	52443	53269	55353	53230	54935	56569	60614	62584	68866	68536	69310	79388	82254	84692	94777	118725
Monroe	38451	41675	44710	45606	43817	43825	40824	44525	45148	45210	45579	47636	47118	48516	51037	49972	53486	56943	64861
Montgomery	88289	95309	95853	104036	106118	105918	102201	106087	110503	113885	110260	106367	100673	108595	114057	108684	115025	125464	140235
Muscatine	361894	348717	340151	347592	347834	343590	331369	329502	333496	333522	324732	318865	322944	350321	353072	349739	360850	367132	389321
O'Brien	104643	103125	101126	99785	102038	101706	101235	104572	109625	118165	125661	124457	110141	117865	128050	135492	136252	144647	175457
Osceola	36945	37105	36403	36812	35622	36569	36086	36682	39001	38601	40197	41155	40712	44614	53039	55024	55138	61554	74428
Page	106448	107500	113367	110423	109954	106705	106984	112034	116722	124313	125920	134131	131043	141400	148123	153183	157606	177839	210959
Palo Alto	64806	58981	56301	54849	54134	49889	49761	51639	52924	54828	56862	62853	61399	66390	76200	83230	83531	92407	108724
Plymouth	160212	155204	149129	147927	149775	149586	148699	144580	143700	146606	149956	152313	143192	150798	155997	157575	156943	169149	201782
Pocahontas	44863	43346	43060	43015	43672	43896	45948	44847	45937	48489	51671	53596	59706	71395	76619	82482	82435	91428	108070
Polk	6356493	6316830	6229343	6082648	5929174	5684421	5519960	5445922	5548150	5490938	5239746	5089475	4776539	4658305	4559733	4217778	4188088	4410893	4957770
Pottawattamie	817467	785162	757741	709281	655045	635502	630310	631185	657302	665060	656578	644197	597511	626843	635189	621263	603214	649797	692511
Poweshiek	130894	136830	140792	131098	140498	194833	201169	199850	193209	199677	179030	179696	172328	176848	175352	177381	173255	169834	191649
Ringgold	23068	22650	22408	21870	23843	24825	25820	25786	25593	26843	27810	29348	28980	28892	30998	34127	38087	39491	48588
Sac	65034	64413	61888	61512	61758	60843	64547	64397	63756	66013	67838	71949	70130	80148	86611	99077	97700	109671	137592
Scott	2057550	1993277	2006394	1946866	1899000	1859788	1890357	1810869	1885237	1729293	1743106	1722326	1708608	1752650	1691372	1648828	1714534	1810018	1981352
Shelby	80400	80982	77445	78199	80061	80324	78694	81796	82276	87535	89797	95011	94123	98053	106326	115371	113435	123615	145853
Sioux	236723	225914	216021	213913	216428	207620	205666	202029	192259	186933	190428	193211	183567	200463	219470	227581	227564	244552	301313
Story	737787	684933	657873	661684	639769	636473	617360	622127	608906	601812	596629	599976	581724	580101	580883	574079	569014	600481	652009
Tama	95878	89966	90565	91669	91278	89651	91274	90530	93672	97378	99283	115346	112821	114436	125966	133754	140015	150746	179912
Taylor	22663	21998	22025	22662	23004	22696	22523	22718	22491	23390	24999	28339	27627	29701	33964	37558	40417	43009	53926
Union	141223	230774	115412	108998	106764	101686	100598	103258	96432	95015	99047	101563	100346	100999	106419	110028	111260	120245	141714
Van Buren	24677	25621	24451	24493	26420	23658	25183	23160	24045	22258	22890	23562	25392	27499	26891	28978	32368	39100	46760
Wapello	339780	328499	325403	311862	338249	327320	319190	319264	315580	288245	279758	286457	295413	306499	302933	305234	305321	344186	373553
Warren	157919	153954	155871	152102	148756	142671	142020	141708	131983	131768	129070	128548	127832	131437	132518	131187	135678	141366	164981
Washington	127998	130836	127665	127102	133659	132677	134058	136639	132697	134883	147197	149813	145908	156642	159882	174039	172188	184567	216357
Wayne	26097	28068	28378	27183	26005	26469	25904	26691	26738	27443	28260	30443	31274	31637	33063	37982	42876	45573	56604
Webster	481106	470603	473943	479830	462347	452166	451489	452699	481007	424196	414842	443374	433459	462214	473479	481495	490375	539701	623758
Winnebago	70930	72692	76244	77263	73402	71581	72121	74516	76671	79340	79022	83616	80870	87223	93110	90999	91962	101488	118953
Winneshiak	155725	155609	149242	149803	149420	148580	149369	149891	147895	147022	149464	149110	134742	138184	140781	147417	152584	158175	175303
Woodbury	1217928	1178600	1195426	1173808	1142631	1093438	1063003	1050629	1078759	1083036	1062233	1051570	1020878	1058538	1074270	1067616	1074215	1135556	1242971
Worth	27341	26416	26380	26338	26178	25019	25883	26327	26846	29351	31036	40158	46348	36498	41371	47736	46922	55925	70206
Wright	94421	101113	100130	96767	96902	94976	95644	94586	94065	95510	100851	105443	108261	120614	135143	144242	154948	158641	182366
State of Iowa	28712143	28370623	27823467	27254922	26643211	26225402	26017867	26201737	25969178	25875525	26195770	28501818	32171423						
	29132661	28370623	27254922	26225402	26281213	25905994	24961374	26220353	26713732	32171423									

Table 3. Estimated Dollars of Retail Sales (in \$1,000s) Gained or Lost (-) in Iowa's Counties, 1980-1998*.

County	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	-23438	-18191	-14863	-21275	-19066	-16735	-16404	-15560	-11337	-7808	-3816	-2569	-1424	-2665	1027	7524	-2156	-1881	-5946
Adams	-17418	-15355	-12330	-14419	-13001	-10711	-11386	-10839	-9833	-8494	-6680	-6391	-7493	-6070	-5929	-2757	-3770	-5663	-6931
Allamakee	-25256	-23862	-21045	-14429	-18091	-15112	-13220	5757	-77	2750	7541	5568	3480	4659	8731	9491	-1250	-5844	-7833
Appanoose	-21285	-21313	-23953	-21828	-18997	-10751	-9596	-7755	-9570	-5567	-5092	3813	-2525	-5013	-4180	-3010	-8768	-1907	-5379
Audubon	-33444	-30014	-27206	-32011	-26784	-22475	-21051	-8610	-8999	-7334	-6098	-6899	-5225	-1320	729	3095	-10248	-10541	-7743
Benton	-113833	-101907	-102573	-109964	-96060	-85969	-78189	-60505	-61154	-53614	-47494	-49149	-48848	-42403	-40326	-35453	-39569	-39626	-38170
Black Hawk	238443	181203	154117	203220	192339	181219	143819	-81759	-61849	-71322	-73656	-77548	-66556	-80988	-93442	-103156	7179	12272	34841
Boone	-93694	-90048	-80642	-74087	-70967	-62421	-58553	-61132	-60110	-60687	-58605	-59135	-49880	-49825	-50492	-46798	-43913	-36524	-36501
Bremer	-61898	-82413	-78506	-71656	-58168	-56328	-50705	-72214	-67772	-64077	-59041	-50445	-51312	-44429	-40495	-33340	-23041	-21576	-22472
Buchanan	-84240	-84546	-73412	-69506	-62326	-55693	-54509	-43039	-37583	-36656	-34121	-39767	-37579	-34313	-37168	-26995	-34634	-35741	-29937
Buena Vista	-11226	-17742	-12036	-1565	1541	3790	4194	12887	7097	12582	13424	19194	12279	23330	28972	27957	2767	6147	11842
Butler	-95339	-95191	-89329	-69523	-65506	-59947	-59010	-46973	-40127	-35046	-31843	-30472	-28033	-28346	-23959	-18817	-33045	-34682	-37818
Calhoun	-63551	-60292	-55175	-50603	-43714	-39369	-39078	-35192	-29579	-9578	4687	-5057	-14552	-14205	-12284	-7491	-15017	-12435	-10866
Carroll	28973	27298	22837	19064	21987	16460	13176	30406	29350	28825	26559	23652	13512	18666	29351	36723	14971	16395	24723
Cass	-13155	-9217	-9808	-18669	-13264	-10177	-5171	-9579	-12884	-11352	-7055	-1175	-2902	5895	10523	14923	-5402	-2886	-4013
Cedar	-99972	-96320	-91725	-70316	-70357	-70015	-70316	-44315	-51071	-44562	-43818	-38071	-40152	-37687	-36007	-24431	-36727	-37926	-31257
Cerro Gordo	142225	139675	124042	114030	92604	80683	80415	82740	73376	70008	53082	46894	42840	42920	36143	35639	46178	27800	28124
Cherokee	-24350	-29560	-23925	-19020	-15773	-15835	-15997	-13745	-18737	-11781	-14518	-8170	-3994	-3061	-764	4442	-8727	-7385	-1064
Chickasaw	-49818	-41157	-41349	-40509	-36921	-33848	-32076	-21527	-24118	-18659	-18830	-9528	-13376	-11128	-7886	-199	-11453	-8839	-3813
Clarke	-18702	-16677	-15874	-12090	-10695	-7584	-6216	-1405	-3390	-1123	342	2317	4018	1464	2447	2132	-4076	-2944	-5758
Clay	36215	31496	29855	1835	3778	3170	4600	20545	22372	24704	20760	15895	5661	13336	22278	32067	6986	6788	12750
Clayton	-56712	-50205	-47262	-62100	-59877	-53851	-49809	-43529	-47355	-43243	-32946	-25442	-27566	-21689	-13284	-10292	-15564	-14540	-6803
Clinton	-99972	-81451	-78573	-64146	-55925	-45724	-42284	-64549	-61348	-47608	-58014	-55433	-45363	-43275	-42479	-50248	-37174	-33223	-49309
Crawford	-45067	-40923	-32645	-23326	-22389	-18696	-14809	-6429	-13706	-14979	-10079	-9023	-11289	-9561	-5456	-5040	-7990	-4819	-6098
Dallas	-229641	-209755	-190087	-144296	-133688	-128266	-115411	-81776	-97875	-85263	-70601	-68246	-57841	-45493	-48724	-51067	-51019	-46949	-48278
Davis	-32755	-32601	-35173	-32631	-27218	-23096	-23080	-15599	-17087	-15615	-14321	-10018	-8586	-10749	-9378	-5677	-7066	-7630	-11190
Decatur	-25017	-26479	-23604	-26601	-16294	-19827	-19987	-22484	-23111	-20557	-19610	-16774	-13068	-13291	-12621	-10574	-5694	-5156	-8076
Delaware	-59632	-54881	-51851	-52615	-48016	-46662	-43094	-30290	-37385	-33787	-21070	-23388	-21515	-17264	-14480	-6873	-20522	-22625	-22505
Des Moines	50945	52049	35807	49792	55291	41423	45051	701	-9136	4342	5434	-4920	3177	-6865	-4014	8205	24000	19370	21975
Dickinson	38354	38261	35686	27459	17889	20908	13316	21842	24605	16415	7196	182	-8758	-8449	-4801	-6586	-3732	-760	2241
Dubuque	86171	89529	98366	129774	89608	90264	69963	73406	63710	47367	57852	55555	56822	32442	46675	20156	-10754	-5995	18733
Emmet	-1962	-4103	-920	-10014	-6704	-5776	-4145	5094	5926	5212	4528	4168	-5671	-5324	3702	-2225	7210	9525	6108
Fayette	-42982	-41762	-35287	-28681	-26763	-22286	-20223	-19516	-24913	-18829	-16885	-6133	-6203	-7311	-1169	2534	8635	8754	11946

*The fiscal year for these data runs from 1 April through 30 March; thus, 1998 refers to the period from 1 April 1997 through 30 March 1998.

Table 3. Estimated Dollars of Retail Sales (in \$1,000s) Gained or Lost (-) in Iowa's Counties, 1980-1998* (continued).

County	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Floyd	-36923	-37812	-42398	-51164	-38623	-28656	-27471	-20941	-24353	-17478	-17782	-13982	-15506	-9632	-1850	-2628	-17544	-24042	-25824
Franklin	-45681	-41640	-34428	-34605	-32227	-27360	-25243	-25769	-28878	-12108	-23568	-13226	-21063	-17032	-16249	-5955	-3896	-2575	-9805
Fremont	-22161	-22730	-16100	-24282	-16597	-14139	-17501	-23321	-31436	-28430	-24586	-19665	-18037	-15173	-11789	-7812	-17209	-18016	-17079
Greene	-28236	-27839	-21932	-19325	-12803	-11667	-15240	-22293	-23523	-22051	-21143	-15244	-17208	-14541	-8481	-4406	-19587	-17956	-19865
Grundy	-91370	-88801	-81157	-57211	-51400	-50445	-50966	-53414	-58801	-51919	-45969	-46649	-43659	-37365	-36389	-25340	-24860	-25592	-26269
Guthrie	-45851	-45440	-41871	-45462	-42187	-40416	-34357	-22312	-20238	-18509	-18255	-16347	-14177	-11953	-9025	-6732	-15773	-15660	-19651
Hamilton	-40857	-37777	-25002	-50185	-42598	-36088	-33536	-27727	-27771	-23738	-20404	-22689	-15604	-14043	-8551	-2383	-5712	-2507	607
Hancock	-63257	-57311	-47629	-41313	-41867	-38303	-38740	-36782	-41429	-31933	-31308	-23236	-22478	-18919	-13480	-7841	-11891	-12067	-9566
Hardin	-21966	-20410	-19005	-15945	-15835	-17924	-16320	-18057	-17109	-16045	-11095	-3608	836	8732	14076	18382	5843	8706	14652
Harrison	-95548	-92805	-84115	-52543	-49181	-37393	-37460	-28476	-33968	-30997	-25542	-18162	-17904	-17101	-14350	-10050	-24598	-21683	-22777
Henry	-69893	-71668	-59781	-37314	-33383	-14862	-15837	-22698	-16019	-12811	-5991	-1897	-4256	-4957	-5895	-467	-9323	-11635	-9968
Howard	-26359	-27264	-22702	-21048	-18133	-16118	-13992	-12857	-16318	-13829	-8193	-6723	-7671	-7806	-2484	1128	-8275	-8686	-10190
Humboldt	-29157	-30287	-26325	-38033	-31806	-24698	-25630	-15373	-15647	-14711	-14572	-11812	-12762	-8345	-6982	-4513	-8399	-8958	-3267
Ida	-26058	-24214	-23346	-22378	-18955	-17739	-14495	-7466	-5965	-3754	-2650	-1412	12	2767	4725	7905	-20987	-19659	-19581
Iowa	49554	35237	28331	43835	45523	37557	33075	1890	-2725	-3967	-3803	1652	-130	2404	4405	8478	14815	19625	20268
Jackson	-60923	-58864	-59562	-61440	-54133	-49397	-47546	-33034	-40188	-38842	-38754	-35538	-28512	-29195	-24897	-22659	-23999	-20063	-22832
Jasper	-144668	-127798	-131608	-110280	-104683	-78309	-58990	-42249	-40549	-54716	-32322	-36577	-23331	-20821	-27810	-23642	-31948	-34012	-35432
Jefferson	-8827	-13856	-10422	-21450	-25256	-22874	-25161	-32809	-30166	-20919	-17548	-12119	-10005	-7257	-4833	-4022	-7461	-9937	-12804
Johnson	-108202	-100969	-116201	-108243	-133362	-135055	-134893	-91787	9656	1741	-20051	-24480	-34393	-45133	-69498	-73814	6116	510	-6823
Jones	-35357	-35001	-31870	-35397	-39721	-37965	-28785	-7632	-11511	-2025	-4496	-7185	-12116	-11099	-6128	-781	-8476	-9090	814
Keokuk	-68640	-60647	-57051	-50492	-46717	-43588	-42854	-39670	-36053	-35266	-28506	-27868	-22306	-21291	-21304	-13610	-18076	-19201	-19100
Kossuth	-30602	-30956	-16934	-20752	-18000	-13119	-20222	-14469	-14273	-14214	-8288	541	437	7690	17534	20012	1017	-2253	-3326
Lee	-34424	-19417	-16136	-1312	4244	-3405	-2841	-23071	-50757	-42832	-40135	-31790	-28964	-30095	-22968	-9546	8104	11252	2590
Linn	686224	559183	601539	488334	416132	299905	273707	265881	267716	263700	225146	238263	234046	206699	121993	92856	158079	154187	196561
Louisa	-95761	-87947	-80480	-74902	-72241	-61949	-63241	-59290	-53546	-50860	-44788	-43858	-36750	-38869	-40992	-30823	-26843	-21811	-21238
Lucas	-26478	-28100	-33978	-27336	-28991	-353	-1207	7723	-3047	2252	2498	-4798	-13070	-12941	-13180	-11614	-19832	-18064	-24801
Lyon	-45988	-47819	-42497	-38623	-33796	-31114	-29378	-14943	-15836	-13607	-11305	-9448	-14631	-12304	-10718	-7479	-21075	-17721	-10324
Madison	-61417	-58362	-53847	-54745	-54816	-50668	-48080	-27334	-21818	-21170	-20097	-21783	-22034	-23587	-22909	-17150	-19998	-20135	-28727
Mahaska	-28957	-29365	-26546	-16722	-5106	-2453	-3237	10874	1115	2595	6366	5194	5371	5016	5367	9286	4654	8661	12468
Marion	-86148	-81100	-82271	-81395	-78891	-76548	-72276	-68477	-56084	-50253	-35869	-39112	-29753	-36555	-33486	-32780	-40635	-35322	-40881
Marshall	-30095	-25765	-11108	-24393	-5941	-21800	-24271	-30178	-36392	-39128	-49336	-54097	-35477	-35981	-47626	-38431	-7005	-3772	-7588
Mills	-91171	-84861	-76123	-69627	-62269	-56348	-54115	-43086	-39455	-38841	-38098	-36690	-35177	-35302	-28558	-25297	-39449	-35185	-42002
Mitchell	-36310	-34377	-29750	-38057	-35412	-30502	-29212	-20919	-23285	-20857	-16021	-11058	-13514	-10252	-9484	-2391	-6786	-9276	-3137

Table 3. Estimated Dollars of Retail Sales (in \$1,000s) Gained or Lost (-) in Iowa's Counties, 1980-1998* (continued).

County	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Monona	-46304	-42170	-39688	-33945	-29559	-23044	-22504	-12022	-14068	-10074	-6590	-5531	-2996	-5249	-59	1687	-17040	-14006	-15961
Monroe	-33836	-28873	-23174	-20263	-19985	-18703	-19588	-28431	-26943	-26232	-23730	-19125	-15574	-13473	-11951	-14725	-9017	-9506	-12491
Montgomery	-26722	-16848	-13705	-4444	217	5594	999	6510	3606	6309	-574	-7425	-12811	-5875	-2440	-1879	-12932	-12211	-13043
Muscatine	-73916	-78355	-88684	-64895	-56533	-48390	-49416	-77830	-78444	-76119	-70174	-63871	-49827	-41826	-43229	-44753	-10850	-16155	-32639
O'Brien	-22318	-26093	-21012	-33360	-29057	-25980	-23843	-12483	-7218	-1369	4596	3090	-5281	-4094	-328	3980	-4512	-3284	-2475
Osceola	-23690	-22988	-19457	-31141	-29541	-25323	-25463	-14820	-13718	-14457	-11866	-11370	-9233	-8628	-5102	-4108	-6060	-3806	1999
Page	-51236	-50776	-39929	-41343	-35727	-33750	-34132	-28778	-30797	-22092	-23316	-14619	-13777	-8965	-6047	-3161	-4396	977	-10895
Palo Alto	-27741	-34894	-31562	-35089	-30149	-30922	-32525	-25820	-24914	-22875	-21645	-20486	-21218	-18507	-14731	-9974	-21834	-16184	-15184
Plymouth	-85424	-92103	-89757	-80929	-67721	-56090	-51208	-27941	-37905	-22349	-23814	-20774	-19295	-19402	-22614	-19719	-31937	-24663	-18527
Pocahontas	-37400	-38168	-32345	-40811	-36745	-31807	-30649	-32500	-33470	-29488	-27203	-27649	-20174	-12104	-7020	-1289	-9050	-7782	-11101
Polk	1972859	2012831	1870822	1712091	1598440	1403576	1372185	1453813	1499008	1423731	1260553	1166762	1069462	904911	804212	587459	638933	583878	595400
Pottawattamie	12207	-7452	-36545	-56052	-88170	-93281	-94613	-159832	-157220	-141599	-129148	-106629	-113961	-108408	-96214	-100227	-88815	-81922	-94186
Poweshiek	-53920	-45754	-39793	-52845	-41355	12792	18446	22655	20869	24153	12109	11529	12384	11249	8648	13405	-20962	-26321	-31900
Ringgold	-16619	-16660	-13764	-17662	-15482	-13154	-12106	-5468	-5936	-3878	-3465	-4767	-3667	-5055	-3997	-2657	-6722	-7875	-8595
Sac	-55299	-51008	-47401	-55084	-48338	-44263	-38636	-17691	-17465	-16198	-14528	-15314	-16510	-9357	-7469	-1694	-16371	-14052	-15386
Scott	403042	342708	333354	377256	358621	317840	355593	181458	156053	34380	62717	18966	56758	46580	35223	-36822	46103	44158	59053
Shelby	-40657	-41399	-38894	-37112	-33041	-29484	-27397	-17539	-22445	-19171	-16290	-9458	-9891	-11417	-8032	1959	-4450	-4592	91
Sioux	-37809	-46157	-52097	-41449	-31319	-29119	-22417	-1606	-18833	-21694	-21257	-12892	-15066	-5001	3877	8353	-4126	-5785	7011
Story	-10573	-62134	-82996	-80638	-86185	-58658	-52615	-91895	-70389	-77679	-87181	-81552	-70518	-73580	-90328	-74804	-64210	-53835	-55508
Tama	-83729	-85424	-77932	-56275	-51983	-51345	-51557	-42950	-32095	-28673	-30715	-22266	-21152	-20916	-12943	-8843	-23436	-21622	-29143
Taylor	-34156	-31698	-29398	-27754	-25011	-23278	-23934	-21501	-22826	-21944	-19006	-15087	-15527	-14792	-13189	-10478	-13353	-13367	-10734
Union	37461	128662	15610	4587	2085	985	-778	-9347	-12649	-14592	-12191	-8244	-4530	-8228	-6450	-2675	345	1831	1108
Van Buren	-42096	-38151	-35991	-31634	-27633	-28022	-25390	-21999	-21915	-22713	-22054	-19651	-15935	-14841	-15770	-13533	-17947	-15758	-17371
Wapello	27611	13180	7707	6877	39872	31145	16804	5964	2546	-23031	-23746	-30918	-20490	-22151	-17090	-25967	-18526	-15609	-25155
Warren	-263001	-251188	-238301	-219970	-208870	-200318	-178400	-154426	-169718	-159078	-148405	-146101	-127561	-126899	-126514	-131980	-87364	-85598	-79081
Washington	-66323	-60297	-58256	-46464	-37445	-35045	-28492	-20420	-24531	-22431	-10300	-14371	-11665	-6897	-1358	4881	-5279	-6600	-2361
Wayne	-25442	-22407	-19089	-23693	-23594	-21254	-21891	-15596	-13125	-12180	-10880	-11455	-8933	-10397	-10309	-6820	-9675	-9496	-15496
Webster	106812	99209	102789	91380	77588	77082	78977	97076	107425	59839	51399	57173	55661	61659	62956	55200	42451	48848	66013
Winnebago	-26308	-21636	-13741	-20782	-20561	-20715	-21360	-38773	-36298	-31489	-34429	-30517	-26951	-23537	-14822	-11293	-3414	-4012	-14913
Winneshiak	-29265	-30008	-32797	-22859	-20844	-17797	-16593	-8982	-15624	-14306	-10901	-14181	-20128	-22383	-19347	-7835	-17020	-17965	-27207
Woodbury	96060	90493	115538	174395	149260	120481	116169	156047	167881	174087	168700	135371	133792	131793	112362	96265	98847	92910	33023
Worth	-42988	-42664	-38045	-40401	-36590	-34704	-33164	-38339	-39588	-32989	-30066	-26132	-18462	-25069	-20289	-13307	-20107	-15592	-15641
Wright	-27171	-17009	-12408	-29536	-22136	-20054	-21454	-49576	-56225	-51468	-45297	-45120	-40603	-31450	-11533	-3578	-14524	-20916	-22250

Table 4. Adjusted Estimated Dollars of Retail Sales (1998 dollars in \$1,000s) Gained or Lost (-) in Iowa's Counties, 1980-1998*.

County	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	-23438	-18516	-15580	-22916	-21089	-18997	-19180	-18821	-14432	-10427	-5311	-3721	-2090	-4042	1611	12165	-3662	-3490	-12436
Adams	-17418	-15629	-12925	-15532	-14380	-12159	-13313	-13111	-12517	-11343	-9297	-9257	-10997	-9207	-9302	-4458	-6402	-10509	-14497
Allamakee	-25256	-24289	-22061	-15543	-20010	-17154	-15457	6964	-99	3673	10494	8065	5108	7067	13698	15346	-2123	-10846	-16383
Appanoose	-21285	-21693	-25109	-23512	-21012	-12204	-11221	-9380	-12182	-7435	-7086	5523	-3706	-7605	-6559	-4866	-14890	-3540	-11252
Audubon	-33444	-30550	-28519	-34481	-29625	-25512	-24614	-10414	-11455	-9794	-8486	-9993	-7669	-2002	1144	5004	-17402	-19563	-16197
Benton	-113833	-103727	-107525	-118449	-106248	-97586	-91422	-73186	-77845	-71598	-66094	-71196	-71693	-64321	-63266	-57322	-67195	-73541	-79839
Black Hawk	238443	184440	161557	218900	212738	205707	168160	-98894	-78730	-95246	-102502	-112336	-97684	-122851	-146598	-166789	12192	22776	72875
Boone	-93694	-91656	-84535	-79803	-78493	-70856	-68463	-73944	-76516	-81044	-81557	-85663	-73208	-75581	-79216	-75665	-74572	-67783	-76347
Bremer	-61898	-83885	-82296	-77185	-64337	-63940	-59287	-87349	-86269	-85571	-82164	-73074	-75310	-67395	-63531	-53906	-39128	-40043	-47005
Buchanan	-84240	-86056	-76956	-74869	-68936	-63218	-63735	-52059	-47840	-48952	-47484	-57607	-55153	-52050	-58312	-43647	-58816	-66331	-62618
Buena Vista	-11226	-18059	-12617	-1685	1704	4303	4904	15588	9035	16802	18682	27804	18021	35390	45454	45202	4698	11408	24769
Butler	-95339	-96891	-93641	-74887	-72454	-68048	-68997	-56817	-51079	-46802	-44314	-44142	-41143	-42999	-37588	-30424	-56117	-64366	-79103
Calhoun	-63551	-61369	-57838	-54508	-48350	-44688	-45692	-42568	-37652	-12791	6523	-7326	-21357	-21547	-19272	-12112	-25503	-23078	-22727
Carroll	28973	27785	23940	20535	24319	18684	15406	36779	37361	38494	36961	34262	19831	28314	46047	59376	25424	30427	51713
Cass	-13155	-9382	-10282	-20109	-14670	-11552	-6046	-11587	-16400	-15159	-9818	-1702	-4259	8942	16510	24128	-9174	-5356	-8395
Cedar	-99972	-98040	-96153	-75741	-77819	-79476	-82217	-53603	-65010	-59510	-60979	-55150	-58931	-57167	-56490	-39502	-62369	-70385	-65380
Cerro Gordo	142225	142170	130030	122828	102426	91586	94025	100081	93403	93491	73870	67931	62876	65106	56704	57623	78419	51594	58825
Cherokee	-24350	-30088	-25080	-20488	-17446	-17975	-18705	-16625	-23851	-15733	-20204	-11834	-5862	-4643	-1199	7182	-14820	-13706	-2226
Chickasaw	-49818	-41892	-43345	-43634	-40836	-38422	-37505	-26038	-30700	-24918	-26204	-13802	-19632	-16880	-12372	-322	-19450	-16404	-7975
Clarke	-18702	-16975	-16640	-13023	-11830	-8608	-7268	-1700	-4315	-1500	476	3357	5897	2220	3840	3447	-6921	-5464	-12044
Clay	36215	32059	31296	1977	4179	3598	5378	24851	28478	32991	28891	23026	8308	20229	34952	51849	11863	12598	26668
Clayton	-56712	-51101	-49544	-66891	-66228	-61128	-58239	-52652	-60279	-57748	-45849	-36856	-40458	-32900	-20840	-16641	-26431	-26984	-14230
Clinton	-99972	-82906	-82366	-69095	-61856	-51902	-49440	-78078	-78092	-63578	-80734	-80299	-66578	-65644	-66644	-81244	-63128	-61658	-103138
Crawford	-45067	-41653	-34221	-25126	-24764	-21222	-17315	-7776	-17447	-20004	-14027	-13071	-16568	-14503	-8560	-8149	-13568	-8944	-12754
Dallas	-229641	-213502	-199263	-155430	-147866	-145599	-134944	-98915	-124588	-113864	-98251	-98860	-84892	-69009	-76441	-82568	-86641	-87132	-100981
Davis	-32755	-33183	-36871	-35148	-30105	-26217	-26986	-18868	-21751	-20853	-19930	-14511	-12601	-16305	-14712	-9179	-12000	-14160	-23406
Decatur	-25017	-26952	-24743	-28654	-18022	-22506	-23369	-27197	-29419	-27452	-27290	-24299	-19180	-20161	-19800	-17097	-9669	-9569	-16893
Delaware	-59632	-55861	-54354	-56675	-53108	-52968	-50388	-36639	-47588	-45120	-29321	-33880	-31578	-26188	-22718	-11113	-34851	-41989	-47072
Des Moines	50945	52979	37535	53633	61155	47020	52675	847	-11630	5798	7562	-7128	4663	-10414	-6297	13267	40756	35948	45963
Dickinson	38354	38944	37409	29578	19787	23733	15569	26420	31320	21922	10014	263	-12853	-12816	-7533	-10648	-6338	-1410	4687
Dubuque	86171	91128	103114	139788	99111	102462	81805	88791	81099	63255	80509	80476	83396	49212	73226	32590	-18263	-11126	39183
Emmet	-1962	-4177	-964	-10787	-7415	-6557	-4847	6162	7544	6961	6302	6038	-8323	-8077	5807	-3597	12245	17678	12776
Fayette	-42982	-42508	-36991	-30894	-29601	-25298	-23646	-23606	-31713	-25146	-23498	-8885	-9104	-11089	-1834	4097	14665	16246	24988

*The fiscal year for these data runs from 1 April through 30 March; thus, 1998 refers to the period from 1 April 1997 through 30 March 1998.

Table 4. Adjusted Estimated Dollars of Retail Sales (1998 dollars in \$1,000s) Gained or Lost (-) in Iowa's Counties, 1980-1998* (continued).

County	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Floyd	-36923	-38487	-44444	-55112	-42720	-32528	-32120	-25330	-30999	-23340	-24746	-20254	-22758	-14611	-2902	-4249	-29794	-44619	-54016
Franklin	-45681	-42383	-36091	-37275	-35644	-31057	-29515	-31170	-36760	-16169	-32798	-19159	-30914	-25836	-25493	-9628	-6616	-4778	-20509
Fremont	-22161	-23136	-16877	-26155	-18357	-16050	-20463	-28209	-40016	-37966	-34215	-28487	-26472	-23017	-18495	-12630	-29223	-33436	-35723
Greene	-28236	-28336	-22990	-20816	-14161	-13244	-17820	-26965	-29943	-29448	-29423	-22083	-25255	-22058	-13306	-7124	-33263	-33323	-41550
Grundy	-91370	-90387	-85075	-61626	-56851	-57261	-59592	-64608	-74849	-69335	-63972	-67576	-64077	-56680	-57090	-40972	-42217	-47495	-54945
Guthrie	-45851	-46251	-43893	-48970	-46661	-45877	-40172	-26988	-25762	-24717	-25404	-23680	-20807	-18132	-14158	-10884	-26786	-29063	-41103
Hamilton	-40857	-38452	-26209	-54057	-47116	-40964	-39212	-33538	-35351	-31701	-28394	-32867	-22902	-21303	-13416	-3854	-9700	-4653	1269
Hancock	-63257	-58335	-49928	-44501	-46307	-43479	-45296	-44490	-52736	-42645	-43570	-33659	-32990	-28699	-21149	-12677	-20193	-22395	-20009
Hardin	-21966	-20774	-19923	-17175	-17515	-20347	-19082	-21842	-21779	-21427	-15440	-5227	1227	13245	22083	29720	9922	16157	30647
Harrison	-95548	-94463	-88176	-56597	-54397	-42446	-43800	-34444	-43240	-41394	-35545	-26309	-26277	-25941	-22514	-16249	-41772	-40241	-47642
Henry	-69893	-72948	-62666	-40193	-36923	-16870	-18517	-27455	-20391	-17108	-8337	-2748	-6247	-7520	-9248	-755	-15832	-21593	-20849
Howard	-26359	-27751	-23798	-22672	-20056	-18296	-16360	-15552	-20772	-18468	-11402	-9738	-11258	-11841	-3898	1824	-14052	-16120	-21314
Humboldt	-29157	-30828	-27596	-40968	-35179	-28035	-29968	-18595	-19917	-19646	-20279	-17111	-18730	-12659	-10954	-7297	-14264	-16625	-6832
Ida	-26058	-24647	-24473	-24104	-20966	-20136	-16948	-9031	-7593	-5013	-3688	-2045	18	4197	7414	12781	-35640	-36484	-40957
Iowa	49554	35867	29699	47217	50351	42632	38673	2286	-3468	-5298	-5292	2393	-191	3647	6910	13708	25158	36422	42394
Jackson	-60923	-59916	-62437	-66181	-59874	-56071	-55593	-39957	-51157	-51871	-53932	-51480	-41847	-44287	-39060	-36636	-40755	-37234	-47756
Jasper	-144668	-130081	-137961	-118789	-115786	-88891	-68974	-51103	-51616	-73070	-44980	-52985	-34242	-31584	-43630	-38227	-54254	-63121	-74112
Jefferson	-8827	-14104	-10925	-23105	-27934	-25965	-29420	-39685	-38400	-27936	-24420	-17555	-14684	-11008	-7582	-6502	-12669	-18441	-26781
Johnson	-108202	-102773	-121811	-116595	-147506	-153305	-157724	-111024	12291	2325	-27903	-35462	-50478	-68463	-109033	-119347	10386	946	-14272
Jones	-35357	-35627	-33408	-38128	-43933	-43095	-33656	-9232	-14652	-2704	-6257	-10408	-17782	-16837	-9614	-1262	-14394	-16870	1703
Keokuk	-68640	-61730	-59805	-54388	-51671	-49478	-50107	-47984	-45893	-47096	-39670	-40370	-32738	-32296	-33423	-22005	-30696	-35635	-39951
Kossuth	-30602	-31509	-17752	-22353	-19909	-14891	-23644	-17502	-18169	-18982	-11534	784	641	11666	27509	32357	1728	-4181	-6956
Lee	-34424	-19763	-16915	-1413	4694	-3865	-3322	-27906	-64610	-57199	-55854	-46051	-42510	-45651	-36033	-15434	13762	20883	5417
Linn	686224	569171	630578	526014	460265	340431	320031	321606	340785	352156	313322	345148	343505	313544	191390	150136	268449	286152	411137
Louisa	-95761	-89518	-84365	-80681	-79903	-70321	-73945	-71716	-68161	-67920	-62328	-63533	-53938	-58961	-64310	-49837	-45584	-40478	-44423
Lucas	-26478	-28602	-35618	-29445	-32066	-400	-1411	9341	-3879	3008	3476	-6951	-19182	-19630	-20678	-18778	-33679	-33524	-51874
Lyon	-45988	-48673	-44549	-41603	-37380	-35318	-34350	-18075	-20158	-18171	-15732	-13687	-21474	-18664	-16816	-12092	-35789	-32888	-21595
Madison	-61417	-59405	-56446	-58969	-60630	-57515	-56218	-33063	-27773	-28271	-27967	-31554	-32339	-35779	-35940	-27730	-33960	-37368	-60088
Mahaska	-28957	-29889	-27827	-18012	-5647	-2784	-3784	13153	1420	3465	8860	7523	7882	7608	8420	15014	7903	16075	26079
Marion	-86148	-82549	-86243	-87675	-87257	-86892	-84509	-82829	-71391	-67110	-49916	-56657	-43668	-55451	-52535	-53001	-69006	-65553	-85509
Marshall	-30095	-26225	-11644	-26275	-6571	-24746	-28379	-36502	-46324	-52253	-68657	-78364	-52069	-54580	-74719	-62138	-11896	-7000	-15871
Mills	-91171	-86377	-79797	-74999	-68873	-63962	-63274	-52116	-50223	-51870	-53018	-53149	-51628	-53550	-44803	-40902	-66991	-65298	-87854
Mitchell	-36310	-34991	-31186	-40993	-39168	-34624	-34156	-25304	-29640	-27853	-22295	-16018	-19834	-15551	-14878	-3866	-11523	-17215	-6561

Table 4. Adjusted Estimated Dollars of Retail Sales (1998 dollars in \$1,000s) Gained or Lost (-) in Iowa's Counties, 1980-1998* (continued).

County	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Monona	-46304	-42923	-41604	-36564	-32694	-26158	-26312	-14542	-17907	-13453	-9171	-8012	-4397	-7962	-92	2727	-28937	-25994	-33386
Monroe	-33836	-29389	-24292	-21827	-22105	-21230	-22904	-34389	-34297	-35032	-33023	-27704	-22857	-20438	-18750	-23809	-15313	-17642	-26128
Montgomery	-26722	-17149	-14367	-4787	240	6350	1168	7875	4590	8426	-799	-10755	-18803	-8912	-3828	-3038	-21962	-22662	-27281
Muscatine	-73916	-79755	-92965	-69902	-62529	-54929	-57780	-94143	-99855	-101653	-97656	-92523	-73130	-63446	-67820	-72360	-18426	-29981	-68269
O'Brien	-22318	-26559	-22027	-35934	-32139	-29491	-27878	-15099	-9188	-1829	6396	4477	-7750	-6211	-515	6435	-7662	-6094	-5176
Osceola	-23690	-23398	-20396	-33543	-32674	-28745	-29772	-17926	-17462	-19307	-16514	-16471	-13550	-13088	-8004	-6642	-10290	-7063	4182
Page	-51236	-51682	-41856	-44533	-39516	-38310	-39909	-34809	-39203	-29502	-32447	-21178	-20221	-13599	-9486	-5110	-7465	1814	-22788
Palo Alto	-27741	-35517	-33085	-37796	-33346	-35101	-38029	-31232	-31713	-30548	-30122	-29676	-31141	-28073	-23111	-16126	-37078	-30035	-31760
Plymouth	-85424	-93748	-94090	-87173	-74903	-63669	-59875	-33797	-48250	-29845	-33140	-30094	-28319	-29431	-35479	-31883	-54235	-45772	-38752
Pocahontas	-37400	-38849	-33907	-43960	-40642	-36105	-35836	-39312	-42605	-39380	-37857	-40053	-29609	-18361	-11014	-2084	-15369	-14441	-23219
Polk	1972859	2048783	1961136	1844195	1767965	1593241	1604424	1758510	1908141	1901310	1754232	1690168	1569628	1372670	1261697	949843	1085031	1083601	1245370
Pottawattamie	12207	-7585	-38309	-60377	-97521	-105886	-110626	-193331	-200131	-189097	-179727	-154462	-167259	-164445	-150947	-162053	-150826	-152036	-197004
Poweshiek	-53920	-46571	-41714	-56923	-45741	14521	21568	27403	26565	32255	16852	16701	18176	17064	13567	21674	-35597	-48848	-66723
Ringgold	-16619	-16957	-14428	-19024	-17124	-14932	-14155	-6614	-7557	-5179	-4822	-6905	-5382	-7668	-6270	-4295	-11415	-14615	-17977
Sac	-55299	-51919	-49690	-59335	-53465	-50244	-45175	-21398	-22232	-21631	-20217	-22184	-24231	-14194	-11718	-2738	-27801	-26079	-32181
Scott	403042	348829	349447	406365	396655	360789	415777	219489	198645	45913	87280	27473	83303	70658	55259	-59537	78292	81951	123519
Shelby	-40657	-42139	-40771	-39975	-36545	-33468	-32034	-21215	-28571	-25602	-22670	-13701	-14517	-17318	-12601	3167	-7557	-8522	190
Sioux	-37809	-46982	-54612	-44647	-34640	-33054	-26211	-1942	-23973	-28972	-29582	-18675	-22112	-7586	6083	13505	-7007	-10736	14664
Story	-10573	-63244	-87002	-86860	-95325	-66585	-61520	-111155	-89601	-103736	-121325	-118137	-103497	-111614	-141712	-120948	-109041	-99911	-116103
Tama	-83729	-86950	-81694	-60617	-57496	-58283	-60283	-51952	-40854	-38291	-42744	-32255	-31044	-31727	-20306	-14298	-39799	-40128	-60957
Taylor	-34156	-32264	-30818	-29895	-27664	-26424	-27985	-26007	-29056	-29305	-26450	-21855	-22789	-22437	-20692	-16942	-22677	-24807	-22452
Union	37461	130960	16364	4941	2306	1118	-910	-11306	-16101	-19486	-16965	-11943	-6648	-12482	-10120	-4325	585	3397	2318
Van Buren	-42096	-38833	-37729	-34075	-30564	-31808	-29687	-26609	-27896	-30331	-30691	-28467	-23387	-22513	-24740	-21881	-30478	-29245	-36334
Wapello	27611	13415	8079	7408	44100	35353	19648	7214	3241	-30757	-33046	-44788	-30072	-33602	-26812	-41985	-31461	-28969	-52616
Warren	-263001	-255674	-249805	-236943	-231022	-227386	-208594	-186792	-216041	-212440	-206525	-211642	-187219	-192494	-198483	-213394	-148361	-158858	-165411
Washington	-66323	-61374	-61068	-50049	-41416	-39780	-33314	-24699	-31227	-29955	-14334	-20818	-17120	-10463	-2131	7891	-8965	-12248	-4939
Wayne	-25442	-22807	-20010	-25521	-26096	-24126	-25595	-18865	-16707	-16266	-15142	-16594	-13111	-15771	-16173	-11027	-16429	-17624	-32411
Webster	106812	100981	107752	98430	85817	87498	92344	117422	136745	79912	71528	82821	81693	93532	98770	89251	72089	90655	138076
Winnebago	-26308	-22023	-14404	-22385	-22741	-23514	-24975	-46899	-46205	-42051	-47912	-44207	-39555	-35704	-23254	-18259	-5798	-7446	-31194
Winneshiek	-29265	-30544	-34381	-24623	-23055	-20202	-19402	-10865	-19888	-19104	-15171	-20543	-29541	-33953	-30353	-12668	-28904	-33340	-56908
Woodbury	96060	92109	121115	187851	165090	136762	135830	188752	213702	232483	234770	196097	196364	199919	176280	155648	167861	172428	69073
Worth	-42988	-43426	-39882	-43519	-40470	-39393	-38777	-46374	-50392	-44055	-41840	-37855	-27097	-38027	-31831	-21515	-34145	-28938	-32716
Wright	-27171	-17313	-13008	-31815	-24483	-22764	-25085	-59966	-71571	-68733	-63037	-65361	-59592	-47707	-18094	-5785	-24664	-38817	-46539

When adjusted for inflation, retail sales varied in a relatively narrow band in the years from 1988 to 1998 with the highest figure (\$29.1 billion in 1998) \$3.2 billion above the lowest (\$25.9 billion in 1988) (Table 2). Sales in 1998, however, needed to be \$3.0 billion higher to equal the adjusted sales of 1980. Adjusted sales failed to increase in two-thirds (64) of the counties in the period between 1988 and 1998, which indicates that sales kept pace with inflation in only a third of the state's counties (Figure 2).

Estimated Gains and Losses in Retail Sales

The volume of sales expected in a county can be estimated by relating population figures to retail sales. The first step is to obtain the average sales per person in the state; the total sales figure is divided by the population. This state average then is multiplied by the population estimate for a particular county and the result is compared with the actual sales reported for that county. If the county's actual sales are greater than what the state average suggests, then that county has gained sales from residents of other counties. If the county's actual sales are less than the figure resulting from multiplying the state's average by the local population, then sales have been lost from that county to others. Because these calculations are based on population estimates for the years 1981 through 1989 and for 1991-1998, caution must be exercised in interpreting them. The calculations for 1980 and 1990 use the population counts from the decennial censuses.

Sales above what would be expected from the state average occurred in 16 counties in 1998 (Table 3, Figure 3). These counties were serving residents substantially in excess of those living within their own boundaries. These additional sales ranged from less than \$50 million in seven counties to \$2.0 billion in Polk. Five other counties (Black Hawk, Cerro Gordo, Linn, Scott, Webster) had figures at least \$100 million above those expected when population is factored into the calculations.

The remaining 83 counties had sales that were lower than their population bases would suggest. Fifteen lost sales of less than \$25 million and 31 were down at least \$50 million in expected sales. Benton, Dallas, Jasper, Johnson, and Warren counties had sales at least \$100 million less than expected. Counties with relatively high leakage of retail sales generally are near major metropolitan centers that most likely captured many of those dollars.

Relatively few counties have been above the state average in previous years as well. In 1988, for example, 20 counties were in that category while retail sales in the other 79 were below what would be expected based on their populations. Only seven counties had sales at least \$50 million above expectations in 1988; nine counties were at least \$50 million lower than anticipated.

When controlled for inflation, the gain/loss figures based on county population indicate relative change across the period. For example, three-fifths (61) of the counties had greater leakage in 1998 than in 1988 after controlling for the effects of inflation (Table 4). Another nine counties with gains in 1988 had losses in 1998. Carroll and Woodbury reported gains at both times, although those for 1998 were smaller than the adjusted amounts reported for 1988. Thus, 72 counties did not improve their positions when adjusted retail sales figures for 1988 and 1998 were compared.

The remaining 27 counties noted relative improvement in retail sales between 1988 and 1998 after inflation was included. Thirteen counties with losses both times nonetheless had lower leakage in 1998 than in 1988. Black Hawk, Iowa, Pottawattamie, Union, and Wapello, each of which had leakage in 1988, reported gains in 1998. The remaining nine counties (Cerro Gordo, Clay, Des Moines, Dickinson, Dubuque, Linn, Polk, Scott, Webster) had retail sales in excess of what would be expected on the basis of population both years, although they were higher in 1998 than in 1988 even after inflation was taken into account.

Figure 1. Change in retail sales (unadjusted for inflation),
1988 to 1998.

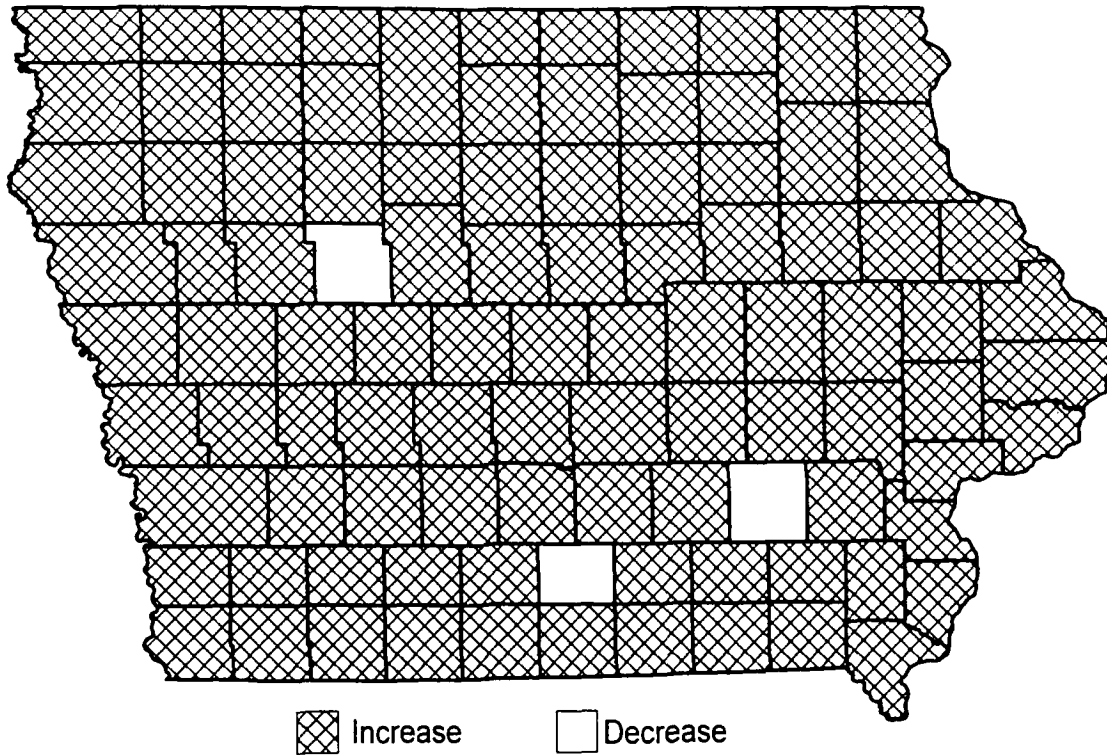


Figure 2. Change in retail sales (adjusted for inflation),
1988 to 1998.

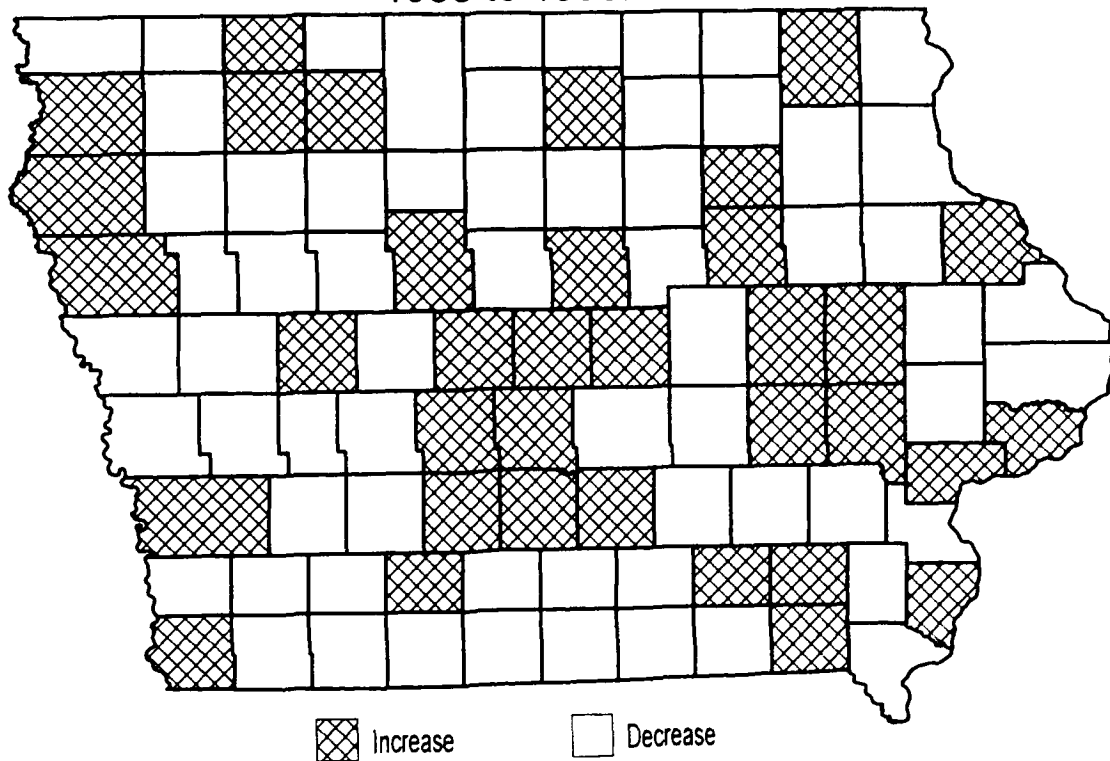
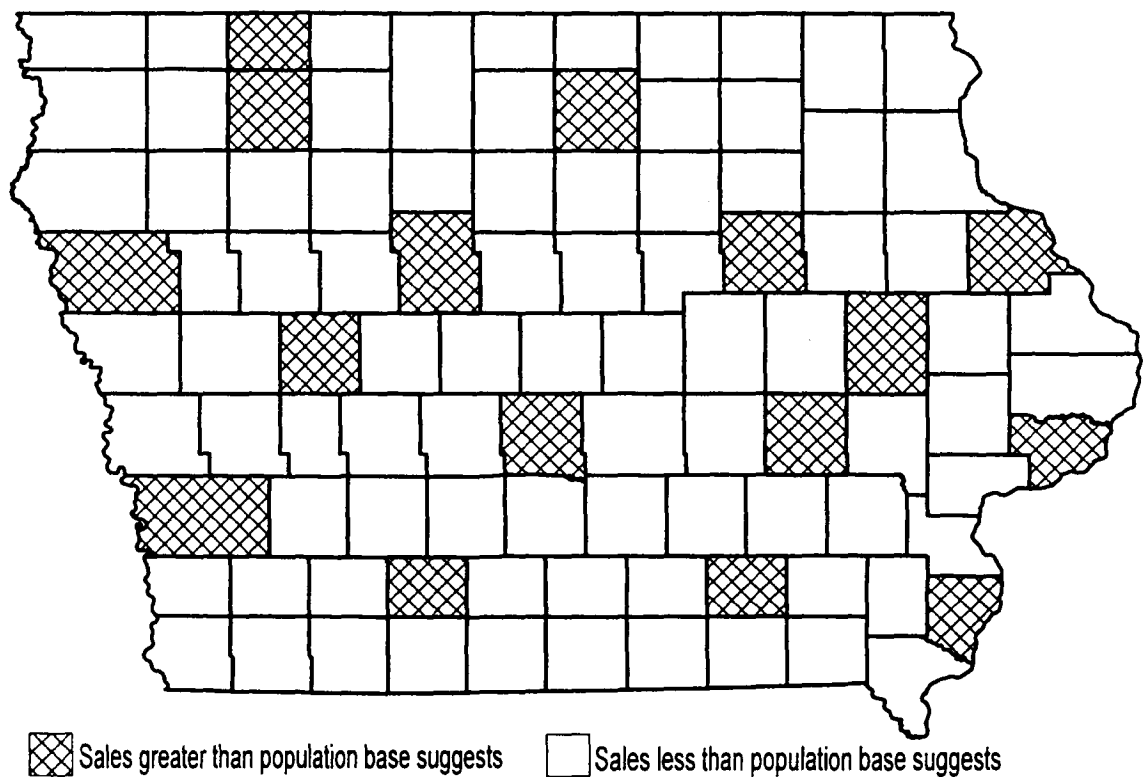


Figure 3. Retail sales compared with population base, 1998.



Reported Building Permits for New Residential Construction in Iowa's Counties: 1990-1997

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Permits covering construction of new residential housing units are obtained from municipal or county offices. Such permits include single-family houses, duplexes, and other types of multi-family dwellings. The information that follows was submitted by those local officials to the Building Permits Branch of the Manufacturing and Construction Division of the U.S. Bureau of the Census. Because counties vary in their reporting methods, especially concerning unincorporated areas, some new residential construction may not be included in the figures in Table 1.

In 1997, 7,688 building permits were reported for new residential construction in Iowa (Table 1). Polk cataloged more than 1,000 such permits. The seven counties issuing at least 200 permits (Dubuque, Johnson, Linn, Polk, Pottawattamie, Scott, Story) accounted for more than half (56.5%) of the state's total. Seventeen counties issued no more than nine permits in 1997 and Wayne did not grant any.

The number of residential permits exceeded 8,000 in 1994 and 1996. When 1990 and 1997 were compared, 2,200 more permits were issued in the more recent year. That trend occurred in 82 counties, while 13 others had more permits in 1990 than in 1997; four noted the same number granted in 1990 and in 1997.

Nearly 95 percent of the new residential construction permits issues in 1997 were for single-family houses. Polk and Linn were the only counties with more than 600 permits of this type. Twelve others issued at least 100 permits for single-family houses; Adams, Davis, Lucas, Union, and Worth each reported fewer than five while Wayne had none. In the state, nearly 2,100 more single-family housing permits were granted in 1997 than in 1990; 81 counties had the same pattern of more permits issued at the end of the period than at the beginning.

Valuations cited on building permits represent the cost of construction excluding the costs of on- and off-site development and the cost of heat, plumbing, and electrical installations. Dividing the total valuation of single-family houses by the total number of such permits issued results in an average (mean) value. Statewide, newly constructed single-family houses averaged \$116,000 in 1997. Twenty-five counties exceeded that average, led by Dallas, Dickinson, Jefferson, and Kossuth, each of which reported average values greater than \$150,000. Caution is urged in examining the average values; inclusion of one or two relatively expensive homes could skew the average in counties with small numbers of newly constructed units.

Table 1. Reported Building Permits for New Residential Construction and Average (Mean) Value of Single-Family Units in Iowa's Counties, 1990-1997.

County	Total Number								Number of Single-Family Units								Average (Mean) Value of Single-Family Units							
	1997	1966	1995	1994	1993	1992	1991	1990	1997	1996	1995	1994	1993	1992	1991	1990	1997	1996	1995	1994	1993	1992	1991	1990
Adair	11	12	18	6	9	4	4	8	10	9	18	6	9	4	4	8	96509	76767	83400	111333	76834	90000	69661	74765
Adams	4	3	1	3	2	0	0	1	4	2	1	3	2	0	0	1	116552	121600	120000	65667	67500	-	-	100000
Allamakee	32	19	17	28	27	41	18	15	29	18	17	27	27	41	18	15	62241	83528	68971	58915	69864	54780	42500	61333
Appanoose	9	7	9	8	6	8	6	2	9	6	9	8	6	8	6	2	52167	79333	54920	75600	63692	51804	65083	34750
Audubon	10	10	5	2	2	2	3	0	10	10	5	2	2	2	3	0	95600	112500	78870	52500	101950	75500	70000	-
Benton	102	98	92	90	42	26	27	18	97	95	87	85	39	26	27	18	95879	102487	99859	100121	99264	72746	79814	77400
Black Hawk	156	158	141	175	155	163	181	136	147	142	135	164	135	153	178	131	120502	125859	122514	109305	121051	110015	90112	97753
Boone	96	87	55	49	38	25	26	23	85	79	49	46	23	22	23	21	131542	98816	109274	94660	83587	97505	91409	84514
Bremer	53	74	66	61	48	68	47	56	48	70	66	58	48	65	44	56	125866	120733	111125	108607	107256	93056	98724	86377
Buchanan	21	17	20	27	19	27	19	15	18	17	19	23	18	25	19	14	86879	84362	76934	86033	81817	71740	71040	67179
Buena Vista	27	18	21	20	22	32	19	27	23	13	18	19	22	31	18	24	114269	126432	128454	100179	91375	96487	96322	84083
Butler	23	15	21	29	13	22	21	9	23	15	21	29	13	18	20	9	87649	92757	82336	86597	88510	72957	67073	66248
Calhoun	10	4	16	18	20	17	9	18	10	4	13	18	20	15	9	18	129405	93750	106740	101215	79025	80937	55056	64278
Carroll	93	78	63	66	74	61	37	48	89	77	61	61	71	54	27	45	116574	109150	98783	97676	100492	94954	87156	90149
Cass	13	32	18	12	10	5	13	17	11	31	16	11	8	4	13	17	106123	102177	85038	90182	76000	57008	79749	53420
Cedar	43	60	47	38	27	33	38	12	42	46	47	37	26	29	38	12	101933	92581	97553	89730	92367	69736	53784	70667
Cerro Gordo	100	83	64	93	63	80	64	80	95	74	64	88	59	75	64	79	110684	117808	100571	86150	91918	99628	78215	78955
Cherokee	16	13	32	10	15	16	12	7	16	13	31	10	13	15	12	7	84916	127462	89806	99070	73077	73750	76417	83297
Chickasaw	18	27	27	22	21	38	19	4	17	25	27	20	21	32	19	4	89016	93487	76276	83560	78497	77463	77576	62783
Clarke	20	25	0	0	8	2	6	8	20	22	0	0	5	2	6	7	109290	101366	-	-	63302	100000	63178	80000
Clay	25	21	28	33	21	21	17	19	24	20	27	32	20	21	17	18	113759	106075	105317	107556	95664	68057	77706	61111
Clayton	27	46	35	42	38	21	31	26	27	46	31	40	37	20	29	26	75052	78554	91323	77150	102049	79375	53776	61643
Clinton	78	103	75	78	83	79	55	59	74	97	70	77	82	77	54	58	110105	104143	95013	96955	97888	93867	86685	97155
Crawford	15	23	14	10	16	15	11	3	13	23	13	10	16	13	11	3	104692	79425	98948	77750	86164	82154	67909	72000
Dallas	168	161	125	138	201	252	132	114	157	150	122	124	194	237	130	114	155023	133345	120006	142041	120329	107494	119776	120883
Davis	5	2	1	12	4	8	6	2	4	2	1	7	4	8	6	2	46250	100000	45000	54071	56750	89250	62702	42500
Decatur	11	8	7	9	5	7	2	4	11	8	7	9	5	7	2	4	81182	70000	75000	77778	96730	79000	50000	53500
Delaware	15	28	27	39	25	25	32	25	13	26	26	25	25	25	29	18	107719	87448	85643	76311	87973	80800	77302	63861
Des Moines	41	53	45	73	39	37	26	30	39	42	45	59	39	32	24	29	118558	102368	135939	96119	110974	92292	85971	90213
Dickinson	91	148	88	89	115	118	75	75	87	143	84	81	102	99	72	72	158778	86495	106531	104493	103082	92651	102088	73539
Dubuque	227	261	335	310	341	367	266	266	219	250	309	282	301	344	257	247	121197	118075	98783	100450	99615	93836	87859	84206
Emmet	10	12	20	15	13	7	4	2	8	12	19	14	11	6	4	2	98653	98725	84354	77406	69707	75349	65911	41559
Fayette	21	12	21	21	14	15	9	14	20	11	19	21	11	15	9	14	117902	117818	88045	100571	63345	73467	82556	77643

- No such units were reported.

Table 1. Reported Building Permits for New Residential Construction and Average (Mean) Value of Single-Family Units, 1990-1997 in Iowa's Counties (continued).

County	Total Number								Number of Single-Family Units								Average (Mean) Value of Single-Family Units							
	1997	1996	1995	1994	1993	1992	1991	1990	1997	1996	1995	1994	1993	1992	1991	1990	1997	1996	1995	1994	1993	1992	1991	1990
Floyd	26	34	35	14	9	13	13	9	25	31	35	14	8	12	13	8	95873	89508	69194	91755	70650	66517	70660	87438
Franklin	5	9	9	6	4	5	6	1	5	4	9	6	4	5	5	0	73800	54862	69556	79500	74750	46600	83000	-
Fremont	7	12	5	6	3	2	3	2	7	12	5	6	2	2	3	2	101429	64875	54600	70167	57500	95000	60000	42000
Greene	26	27	50	28	15	15	42	6	26	27	50	28	15	12	42	6	77308	109419	87788	76937	75333	79558	65738	63167
Grundy	12	19	21	13	18	13	9	8	12	15	20	13	17	13	9	7	117042	90276	86330	92922	80542	66638	82389	75143
Guthrie	49	49	35	29	15	47	36	20	48	49	34	29	15	46	36	20	115823	94045	108676	99138	104867	90609	94014	93143
Hamilton	24	21	18	20	9	9	8	6	21	20	15	16	8	9	7	5	94023	85914	89097	97119	97906	68886	60500	38200
Hancock	16	73	12	21	7	13	10	7	14	73	12	19	7	13	9	5	115571	26161	88583	60737	122286	64615	80000	58000
Hardin	17	31	20	22	21	11	5	7	17	31	18	20	19	10	5	7	85412	80212	77444	106250	81928	59950	72845	65374
Harrison	50	66	56	76	35	22	25	10	48	66	55	75	32	22	25	8	111077	95430	87116	63340	68406	64178	43600	58625
Henry	37	60	46	69	47	44	42	53	21	52	45	60	41	40	32	47	115123	78569	63407	58408	70992	60476	66049	60086
Howard	13	13	8	25	13	5	13	10	13	10	8	25	10	5	13	10	88769	53350	86500	57759	68500	73000	64462	64880
Humboldt	23	14	12	14	8	12	9	10	21	14	12	14	8	11	9	9	115643	100929	83455	93260	93516	74136	80897	83778
Ida	5	3	3	12	18	9	5	7	5	3	2	12	18	9	5	5	84609	85379	82620	77976	74397	73580	69971	63117
Iowa	14	24	15	20	17	20	17	8	13	22	12	17	14	12	12	7	88784	89611	85080	78742	74127	69031	68196	63117
Jackson	42	57	50	64	47	46	33	16	41	55	47	64	47	45	32	14	89977	93826	91326	74555	80021	74630	71629	61835
Jasper	102	86	65	103	69	68	33	53	82	85	47	90	61	63	31	41	115299	117062	103941	111783	96462	92854	92412	79646
Jefferson	20	19	21	25	30	26	18	8	19	19	16	24	29	20	16	7	182512	102279	131000	102569	92241	69550	69308	99286
Johnson	487	503	506	715	696	595	473	40	432	435	460	640	652	555	445	374	137565	122961	204155	123286	114095	103927	103889	104818
Jones	33	28	17	18	28	26	16	12	30	23	16	15	26	20	16	12	115650	88226	86949	95467	76462	75370	75438	69792
Keokuk	8	11	16	12	6	6	6	3	8	9	16	12	6	6	6	3	80087	91042	76294	85988	49938	61182	77702	71039
Kossuth	18	17	16	19	16	9	11	5	18	17	16	17	15	9	10	5	152833	90111	112838	79353	95800	78444	73448	52800
Lee	21	20	30	24	25	25	15	12	21	18	30	24	23	20	15	11	92459	122183	98905	84891	75166	69655	80988	67912
Linn	737	766	731	815	850	821	590	533	676	698	645	734	804	737	531	499	96324	99139	87783	90028	89960	85126	86034	75940
Louisa	11	17	12	9	8	23	12	17	10	17	12	8	8	23	11	11	88000	37235	59667	79188	29688	69153	60208	61984
Lucas	1	3	3	2	1	3	1	3	1	3	3	2	1	3	1	3	104000	105000	103333	100000	57000	92000	56000	95333
Lyon	30	19	28	41	30	16	13	9	30	18	27	40	29	15	13	8	92970	91203	89173	92353	71179	70812	71330	71323
Madison	73	40	34	82	58	40	42	18	72	38	30	71	57	38	37	15	113401	115184	105317	95351	84725	77377	78687	59420
Mahaska	33	34	27	29	38	30	28	21	26	32	22	20	33	30	28	21	115808	125756	88545	99600	82394	65350	67559	71477
Marion	129	136	103	115	125	67	57	35	124	121	101	103	110	60	50	29	129854	109963	102971	112085	110957	104850	85742	77410
Marshall	61	39	47	36	59	48	40	37	55	37	41	30	50	44	39	37	110859	104470	91079	103920	86873	83070	84854	81459
Mills	24	17	18	47	10	26	19	6	24	15	16	47	10	25	19	6	110333	104027	93858	64192	73700	58264	64782	45067
Mitchell	12	17	21	14	11	15	15	10	12	15	20	13	10	12	14	9	97675	79667	80750	88823	102450	78513	59186	59444

Table 1. Reported Building Permits for New Residential Construction and Average (Mean) Value of Single-Family Units in Iowa's Counties, 1990-1997 (continued).

County	Total Number								Number of Single-Family Units								Average (Mean) Value of Single-Family Units							
	1997	1996	1995	1994	1993	1992	1991	1990	1997	1996	1995	1994	1993	1992	1991	1990	1997	1996	1995	1994	1993	1992	1991	1990
Monona	60	15	21	28	12	23	13	8	58	15	21	26	12	22	13	8	54275	90142	80557	94567	93511	68727	79324	80500
Monroe	12	13	14	11	8	21	12	5	12	13	14	11	8	21	12	5	79047	71824	80570	87309	64875	66274	64565	61000
Montgomery	17	13	7	12	17	25	11	7	16	13	6	10	16	23	11	7	114250	97308	98305	71450	82186	62518	64248	78714
Muscatine	105	112	107	104	95	103	72	72	105	103	106	103	94	101	72	72	94313	85574	88361	87253	81592	76039	73298	72489
O'Brien	21	25	20	23	28	26	21	14	18	22	13	23	27	25	20	10	136889	93886	107308	101957	102685	94240	79652	113560
Osceola	8	10	7	14	7	8	11	2	8	10	7	14	7	4	10	1	88500	82738	73231	73071	68857	72500	63100	48000
Page	10	22	41	21	13	11	11	8	9	21	39	21	13	10	11	6	95000	81529	81985	92223	86673	64150	61766	57475
Palo Alto	12	15	9	10	0	7	3	4	12	12	9	10	0	7	3	4	92696	94440	67778	72119	-	55393	49833	66304
Plymouth	110	111	69	105	118	93	81	72	105	110	67	99	115	92	77	69	127165	110836	107655	99596	91490	79021	87050	57820
Pocahontas	6	5	4	8	5	6	1	3	5	4	4	8	5	6	1	3	80000	112845	70200	89375	56000	95667	80000	104333
Polk	1778	2061	1893	2051	1917	1909	1618	1479	1745	2002	1804	1951	1878	1838	1586	1420	128379	125583	122825	118510	121582	109255	96772	89152
Pottawattamie	281	300	238	206	170	148	117	124	268	286	204	199	156	140	110	114	108538	98693	96789	91708	91987	86913	87543	88152
Poweshiek	45	50	39	47	42	27	35	41	37	40	38	43	33	22	34	38	133197	82286	92832	75508	79869	82451	82197	59878
Ringgold	6	3	7	6	4	3	1	2	6	3	7	6	4	3	1	2	113667	100800	66286	66667	78250	65000	70000	42500
Sac	8	14	8	8	11	6	2	0	7	13	6	5	11	5	2	0	123571	99615	94707	95600	78398	77000	69000	-
Scott	515	482	395	418	589	493	473	439	483	446	374	418	580	491	472	439	117886	106444	110226	111584	98908	104751	104787	104365
Shelby	11	12	8	20	23	11	18	11	11	12	8	20	23	11	18	11	120909	111920	99185	92314	85087	67227	75472	80818
Sioux	92	84	101	96	80	80	75	72	92	80	101	94	77	77	70	69	92041	105881	71465	104837	90086	83335	79691	70866
Story	322	263	246	304	278	265	182	142	276	243	224	285	254	241	163	133	99937	95978	90575	84759	85646	79162	79133	79867
Tama	18	22	22	29	34	25	19	15	16	22	19	27	32	21	18	11	72630	97318	69867	93167	76041	87716	75345	68091
Taylor	5	6	7	2	0	4	3	1	5	5	7	2	0	4	1	1	106800	106000	62086	80000	-	53750	325000	50000
Union	3	12	11	8	4	4	12	2	3	6	11	8	4	4	6	2	100000	86222	63950	88745	57250	53750	85083	67500
Van Buren	6	7	7	5	4	4	5	11	6	4	7	4	4	4	5	11	56667	71250	66357	71250	44500	57500	62000	41818
Wapello	42	53	74	59	46	44	50	28	39	47	69	56	45	43	48	27	78594	97920	70949	80672	78784	60507	56715	48450
Warren	112	240	233	174	187	199	153	136	112	220	229	166	179	195	150	125	122061	127065	112978	115050	106749	99047	84495	85068
Washington	20	29	34	49	35	47	43	39	20	27	30	45	31	46	42	33	109300	105852	85650	86778	100435	78663	70664	58030
Wayne	0	1	3	3	1	0	1	0	0	1	3	3	1	0	1	0	-	80000	77667	65000	85000	-	80000	-
Webster	47	40	41	33	27	54	37	28	45	38	38	32	26	54	37	28	108989	120829	131419	101733	106263	76996	87703	74197
Winnebago	11	7	8	15	8	8	32	8	11	5	8	14	5	7	30	7	95091	111800	82015	68367	74425	74604	41653	94286
Winneshiak	52	66	43	30	27	40	32	28	49	64	41	29	23	39	28	26	132192	102981	95918	92835	112228	103349	79348	91596
Woodbury	183	214	193	185	129	194	122	145	172	203	174	159	120	186	116	131	102840	105158	99225	101123	98784	80629	39704	43643
Worth	4	4	5	2	8	8	8	9	4	3	5	2	7	8	8	9	75000	106667	102400	77500	93127	75875	70304	27140
Wright	9	17	27	13	18	13	12	9	9	15	26	13	12	12	9	9	90333	105787	83538	74192	61083	49708	56222	65389
State of Iowa	7688	8330	7586	8270	7827	7681	6186	5474	7240	7790	7093	7710	7405	7233	5916	5177	115946	109543	110180	103514	102734	94364	88596	84836

Farm Numbers, Acreage, and Size of Farms in Iowa's Counties: 1978-1998

Howard Holden, Iowa Department of Agriculture and Land Stewardship
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Each year, the Iowa Department of Agriculture and Land Stewardship estimates the number of farms in Iowa's counties. The 97,000 farms reported for 1998, which was the third consecutive year the number was less than 100,000, represented a decrease of 5,000 from the total in 1993. Since 1978, farm numbers have declined by 26,000 (Table 1, Figure 1). The number of acres in farms also decreased (Table 2); the 33,000,000 acres reported in 1998 was 800,000 below the 1978 figure, a decline of 2.4 percent. Average farm size (in acres) has increased from 275 acres in 1978 to 340 in 1998, a gain of 65 acres over the 21 years (Table 3, Figure 2).

Counties vary by the number and average size of their farms. This variation is due to the physical size of the county; the terrain, soil, and commodities produced; and historical settlement patterns. Seven counties (Clayton, Dubuque, Kossuth, Linn, Plymouth, Sioux, Winneshiek) each had at least 1,500 farms in 1998. Their totals were more than double the number in the 20 counties with fewer than 750. Dickinson, Emmet, and Mills were the only counties with fewer than 600 farms as of 1998. Acreage in farms varied from less than 250,000 acres in 11 counties to more than 500,000 in Kossuth, Plymouth, Pottawattamie, and Woodbury.

Average size tends to be smaller in eastern and northeastern Iowa; the largest farms generally are located in the southern and western sections of the state (Figure 3). Five counties (Bremer, Dubuque, Johnson, Linn, Sioux) averaged fewer than 250 acres per farm, while six others (Clay, Fremont, Mills, Monona, Ringgold, Wright) had averages of 450 acres or more.

Change in Number of Farms

The number of farms declined in all 99 counties from 1978 to 1998. Thirty-eight counties reported decreases of 300 or more farms by the end of the period; another 38 decreased from 200 to 299, and the remaining 23 lost fewer than 200 farms. Decatur and Dubuque were the only counties that declined by fewer than 100 farms between 1978 and 1998; only Kossuth had at least 500 fewer farms in 1998 than in 1978.

Farms dropped by 8,000 from 1978 to 1983 and by another 8,000 from 1983 to 1988. The decline was 5,000 during the 1988-1993 period. In 1978, 19 counties had at least 1,500 farms; only seven did in 1998. The number of Iowa's farms decreased by 21.1 percent from 1978 to 1998 (Table 4). The drop was less than 10 percent in Clayton, Decatur, Dubuque, and Jackson; it exceeded 30 percent in Clay, Grundy, Hamilton, and Mills. At least 25 percent fewer farms were counted in another 23 counties.

In 47 counties, greater percentage declines occurred from 1983 to 1988 than in the other 5-year periods reported in Table 4. But 31 counties had larger decreases in the 1978-1983 period and another 15 had higher declines from 1993 to 1998. For Black Hawk, Buchanan, Carroll, Delaware, Mitchell, and Story, percentage decreases were greater from 1988 to 1993 than the other periods.

Change in Acreage

The decline of 800,000 acres from 1978 to 1998 did not occur evenly throughout the period. About 100,000 acres were lost from 1978 to 1983 and from 1993 to 1998, while decreases of 200,000 and 400,000 acres occurred in the other periods (1983-1988 and 1988-1993, respectively).

Table 1. Estimated Number of Farms in Iowa's Counties, 1978-1998.

County	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978
Adair	860	870	880	890	910	920	930	930	940	950	970	980	1010	1030	1040	1050	1080	1080	1090	1110	1130
Adams	620	630	640	660	670	680	690	690	690	700	710	700	720	720	730	730	750	750	750	760	780
Allamakee	1020	1030	1050	1060	1080	1090	1110	1110	1110	1110	1120	1090	1110	1120	1120	1130	1150	1180	1180	1200	1210
Appanoose	840	850	860	870	890	900	900	900	900	900	900	890	890	890	900	900	930	960	990	990	1000
Audubon	740	750	760	760	780	800	810	810	830	840	860	870	880	890	900	910	920	940	960	980	1000
Benton	1290	1300	1320	1340	1360	1380	1390	1390	1410	1420	1460	1470	1490	1520	1570	1580	1590	1590	1600	1620	1650
Black Hawk	1070	1080	1100	1120	1140	1160	1160	1160	1190	1220	1280	1300	1320	1330	1330	1340	1370	1370	1380	1400	1410
Boone	920	930	940	950	950	950	960	960	980	1000	1020	1040	1050	1080	1110	1140	1170	1180	1190	1210	1250
Bremer	1050	1060	1070	1090	1100	1120	1120	1120	1130	1150	1170	1170	1190	1210	1240	1280	1300	1300	1300	1310	1390
Buchanan	1200	1210	1220	1220	1220	1220	1220	1220	1250	1280	1340	1360	1380	1390	1390	1400	1420	1460	1490	1510	1510
Buena Vista	940	950	960	970	980	990	990	990	1010	1050	1080	1120	1150	1170	1180	1190	1210	1240	1250	1250	1280
Butler	1180	1190	1200	1210	1220	1240	1250	1250	1270	1280	1310	1320	1340	1380	1420	1460	1490	1510	1510	1520	1520
Calhoun	860	870	880	890	900	910	910	910	940	960	980	1010	1040	1080	1110	1170	1180	1180	1180	1190	1220
Carroll	1180	1200	1210	1220	1220	1220	1220	1220	1250	1270	1330	1350	1370	1390	1390	1400	1420	1420	1420	1430	1430
Cass	870	880	890	900	910	920	940	940	940	950	970	950	980	1000	1050	1080	1100	1100	1110	1140	1150
Cedar	1030	1040	1060	1090	1110	1140	1150	1150	1160	1170	1200	1200	1220	1240	1280	1320	1330	1330	1340	1360	1400
Cerro Gordo	880	890	900	900	900	900	910	910	920	930	950	950	970	1000	1020	1040	1050	1050	1060	1080	1120
Cherokee	960	970	980	990	990	1000	1000	1000	1020	1050	1080	1110	1140	1170	1210	1220	1220	1220	1230	1240	1260
Chickasaw	990	1000	1010	1030	1050	1070	1080	1080	1080	1080	1100	1080	1100	1110	1130	1170	1200	1200	1200	1210	1220
Clarke	710	720	720	720	720	720	730	730	720	720	720	710	730	740	750	770	780	780	790	810	820
Clay	750	760	770	780	800	820	820	820	840	860	880	890	910	950	1000	1050	1060	1060	1070	1080	1100
Clayton	1730	1750	1750	1750	1750	1750	1780	1780	1760	1740	1740	1700	1710	1710	1710	1720	1750	1810	1830	1850	1850
Clinton	1360	1370	1380	1390	1410	1430	1440	1440	1450	1460	1490	1470	1490	1520	1550	1560	1590	1620	1640	1640	1660
Crawford	1200	1220	1240	1260	1280	1300	1320	1320	1330	1340	1370	1370	1400	1450	1490	1510	1540	1560	1560	1570	1590
Dallas	980	990	1000	1010	1010	1010	1020	1020	1040	1050	1070	1100	1110	1140	1170	1200	1220	1220	1220	1230	1270
Davis	920	930	940	940	950	950	960	960	960	960	960	940	940	940	940	950	970	990	1000	1040	1040
Decatur	740	740	740	740	740	740	750	750	750	740	740	730	750	760	760	770	780	790	790	810	820
Delaware	1360	1370	1380	1390	1400	1410	1420	1420	1430	1440	1470	1460	1460	1460	1460	1470	1500	1500	1500	1510	1530
Des Moines	690	690	700	710	720	730	730	730	740	750	760	770	790	800	800	810	830	830	840	890	890
Dickinson	560	570	580	590	600	610	630	630	630	620	630	610	620	640	640	650	670	680	690	700	700
Dubuque	1670	1690	1700	1710	1710	1710	1730	1730	1720	1710	1710	1680	1690	1690	1690	1700	1730	1730	1730	1740	1740
Emmet	560	570	580	590	600	610	620	620	620	620	630	620	630	650	680	710	720	740	740	750	760
Fayette	1390	1400	1420	1450	1480	1510	1520	1520	1530	1530	1560	1540	1570	1590	1620	1630	1660	1700	1730	1770	1780

Table 1. Estimated Number of Farms in Iowa's Counties, 1978-1998 (continued).

County	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978
Floyd	910	920	930	940	940	950	960	960	970	990	1010	1010	1030	1050	1070	1090	1110	1120	1120	1130	1140
Franklin	930	940	950	960	970	980	1000	1000	1010	1020	1040	1030	1050	1080	1120	1160	1180	1180	1190	1210	1260
Fremont	610	620	630	630	630	630	630	630	660	680	690	730	750	750	760	760	780	780	790	800	830
Greene	820	830	840	850	860	870	870	870	890	920	940	970	1000	1030	1050	1060	1070	1070	1090	1100	1130
Grundy	810	820	830	840	850	860	860	860	910	950	980	1050	1060	1090	1110	1120	1150	1160	1170	1180	1230
Guthrie	920	930	950	980	1000	1020	1060	1060	1040	1020	1020	980	1010	1050	1080	1110	1120	1120	1120	1130	1160
Hamilton	850	860	870	880	900	910	910	910	940	970	1000	1040	1060	1080	1110	1150	1170	1190	1210	1240	1290
Hancock	920	930	940	950	970	980	980	980	1000	1020	1040	1070	1090	1120	1150	1170	1190	1210	1220	1230	1280
Hardin	930	940	950	960	980	1000	1020	1020	1040	1050	1070	1080	1100	1120	1160	1200	1220	1220	1230	1250	1280
Harrison	950	960	970	970	970	970	980	980	1000	1010	1030	1050	1080	1120	1160	1190	1210	1220	1240	1250	1280
Henry	870	880	880	880	880	880	880	880	890	900	920	910	930	950	950	960	980	980	990	1050	1070
Howard	920	930	940	940	950	960	980	980	980	970	990	960	980	990	1010	1050	1070	1070	1070	1080	1110
Humboldt	640	650	660	660	670	680	680	680	700	730	750	770	780	800	820	840	860	860	870	870	900
Ida	700	710	720	730	740	750	750	750	760	780	800	800	820	840	860	870	890	890	900	900	920
Iowa	1040	1050	1050	1060	1060	1060	1070	1070	1070	1080	1100	1080	1100	1120	1130	1140	1170	1180	1190	1200	1210
Jackson	1360	1370	1380	1390	1400	1410	1440	1440	1430	1410	1410	1380	1400	1400	1400	1410	1440	1460	1460	1470	1470
Jasper	1290	1310	1320	1340	1350	1370	1390	1390	1410	1430	1460	1480	1500	1530	1550	1580	1610	1610	1620	1630	1680
Jefferson	790	800	810	820	820	820	840	840	830	820	820	790	810	830	860	890	910	920	930	1000	1010
Johnson	1330	1350	1350	1350	1350	1350	1370	1370	1380	1380	1410	1390	1410	1440	1480	1500	1520	1520	1530	1540	1560
Jones	1100	1110	1120	1130	1150	1160	1180	1180	1180	1190	1200	1190	1210	1230	1270	1300	1320	1360	1360	1360	1370
Keokuk	1020	1030	1030	1030	1040	1050	1060	1060	1060	1060	1080	1050	1070	1100	1140	1190	1210	1210	1220	1300	1310
Kossuth	1520	1530	1550	1580	1600	1620	1630	1630	1660	1680	1730	1750	1780	1820	1860	1880	1910	1920	1940	1970	2030
Lee	900	910	920	940	950	960	960	960	970	980	1000	1010	1030	1050	1050	1060	1080	1080	1080	1130	1140
Linn	1570	1590	1610	1620	1630	1640	1650	1650	1670	1680	1710	1710	1740	1760	1790	1800	1820	1820	1830	1840	1860
Louisa	620	620	620	620	620	620	620	620	630	630	640	640	650	670	680	700	710	710	720	780	790
Lucas	720	720	720	720	720	720	720	720	720	710	710	700	720	730	740	770	790	800	840	850	850
Lyon	1190	1200	1200	1200	1200	1200	1220	1220	1230	1240	1270	1260	1290	1320	1360	1390	1410	1420	1420	1430	1430
Madison	1040	1050	1060	1080	1090	1100	1110	1110	1100	1090	1090	1080	1110	1120	1130	1150	1180	1200	1250	1260	1270
Mahaska	1090	1100	1110	1130	1150	1180	1190	1190	1190	1190	1210	1200	1220	1240	1250	1260	1280	1290	1290	1360	1370
Marion	1050	1060	1070	1080	1100	1120	1120	1120	1130	1140	1140	1150	1180	1190	1210	1230	1250	1250	1260	1350	1370
Marshall	990	1000	1010	1020	1030	1040	1060	1060	1070	1080	1100	1090	1110	1130	1160	1190	1220	1230	1230	1240	1240
Mills	550	550	560	570	590	600	600	600	610	630	640	650	670	670	680	680	690	700	740	750	790
Mitchell	860	870	870	870	870	870	870	870	890	920	950	960	980	990	1000	1010	1020	1020	1030	1050	1060

Table 1. Estimated Number of Farms in Iowa's Counties, 1978-1998 (continued).

County	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978
Morona	770	780	800	820	840	860	880	880	880	880	900	870	880	910	920	930	950	970	1000	1000	1050
Monroe	720	720	720	720	720	720	720	720	730	740	740	750	750	750	750	760	770	780	810	830	830
Montgomery	620	630	630	640	650	660	660	660	670	690	700	710	730	740	760	760	780	780	790	790	790
Muscatine	830	840	850	850	850	850	850	850	860	880	910	920	930	940	970	1000	1010	1010	1030	1040	1050
O'Brien	1070	1080	1100	1120	1140	1160	1160	1160	1190	1200	1230	1260	1290	1320	1330	1340	1360	1360	1360	1370	1380
Osceola	700	710	710	720	730	730	750	750	750	750	770	750	770	790	820	840	850	850	850	860	860
Page	910	920	940	950	960	980	990	990	1000	1010	1030	1030	1040	1040	1050	1050	1070	1070	1080	1090	1160
Palo Alto	850	860	870	870	880	890	900	900	910	930	950	950	980	1000	1010	1020	1040	1050	1070	1070	1100
Plymouth	1600	1620	1640	1660	1670	1680	1700	1700	1720	1730	1770	1770	1810	1830	1870	1880	1900	1910	1920	1930	1950
Pocahontas	840	850	870	890	910	930	930	930	950	970	990	1010	1040	1070	1100	1110	1130	1140	1160	1170	1180
Polk	860	870	880	880	880	890	890	890	920	950	980	1020	1040	1060	1080	1100	1120	1140	1140	1150	1150
Pottawattamie	1430	1440	1450	1460	1460	1470	1470	1470	1520	1560	1610	1670	1700	1730	1780	1810	1850	1900	1900	1900	1900
Poweshiek	1000	1010	1020	1030	1040	1050	1070	1070	1070	1070	1090	1060	1080	1100	1130	1140	1170	1180	1190	1200	1220
Ringgold	710	720	730	740	750	760	770	770	750	730	730	710	730	740	750	770	800	810	820	860	870
Sac	880	890	910	930	950	970	980	980	1000	1020	1050	1060	1090	1120	1140	1150	1160	1160	1160	1160	1190
Scott	850	860	880	900	920	940	940	940	950	970	990	990	1010	1030	1060	1090	1110	1110	1120	1130	1170
Shelby	1020	1030	1040	1060	1080	1100	1110	1110	1130	1160	1190	1200	1230	1270	1300	1320	1340	1340	1340	1350	1370
Sioux	1890	1910	1930	1950	1970	1990	2030	2030	2040	2040	2080	2050	2070	2090	2100	2100	2130	2130	2140	2150	2200
Story	1010	1020	1030	1030	1030	1030	1030	1030	1060	1100	1140	1160	1180	1210	1230	1240	1250	1250	1260	1280	1340
Tama	1250	1260	1280	1300	1330	1360	1390	1390	1400	1400	1430	1430	1450	1480	1480	1490	1530	1550	1560	1600	1630
Taylor	780	790	790	790	790	790	820	820	810	800	800	780	800	820	850	880	900	940	950	960	970
Union	710	710	720	720	720	720	730	730	720	720	720	700	720	730	740	770	780	780	790	860	870
Van Buren	820	820	820	820	820	820	840	840	830	830	830	800	820	840	850	880	900	910	930	970	990
Wapello	820	820	830	830	840	840	840	840	850	880	900	910	930	950	950	960	970	1020	1020	1040	1040
Warren	1280	1290	1290	1300	1300	1300	1300	1300	1300	1310	1310	1320	1340	1360	1370	1390	1410	1410	1420	1470	1480
Washington	1100	1110	1120	1130	1130	1140	1140	1140	1150	1160	1200	1180	1210	1230	1230	1240	1260	1260	1280	1340	1350
Wayne	770	770	780	780	780	790	800	800	790	780	780	760	780	790	800	820	830	840	840	910	920
Webster	1010	1020	1030	1050	1070	1080	1080	1080	1120	1160	1200	1250	1260	1280	1310	1350	1370	1370	1380	1390	1420
Winnebago	660	670	680	690	700	710	720	720	730	740	760	760	770	790	810	840	860	870	880	910	930
Winneshiek	1540	1560	1580	1600	1620	1640	1660	1660	1660	1660	1690	1660	1690	1700	1700	1710	1750	1780	1790	1820	1850
Woodbury	1340	1360	1360	1360	1360	1360	1390	1390	1390	1390	1410	1370	1400	1450	1500	1580	1600	1630	1630	1640	1660
Worth	660	670	680	690	700	710	740	740	730	710	710	680	690	730	760	800	810	830	840	860	870
Wright	770	780	790	810	830	840	850	850	860	880	900	900	920	940	970	1010	1020	1030	1040	1070	1090
State of Iowa	97000	98000	99000	100000	101000	102000	103000	103000	104000	105000	107000	107000	109000	111000	113000	115000	117000	118000	119000	121000	123000

Table 2. Estimated Number of Acres in Farms in Iowa's Counties, 1978-1998.

County	1998 ^a	1997 ^a	1996 ^a	1995	1994	1993	1992	1991 ^a	1990 ^a	1989 ^a	1988 ^a	1987	1986 ^a	1985 ^a	1984	1983 ^a	1982 ^a	1981	1980 ^a	1979 ^a	1978 ^a
Adair	351600	351600	351600	351600	352400	352400	355100	355500	355500	355500	355500	355500	356400	356400	356400	357500	357500	357500	358500	358500	358500
Adams	261400	261400	261400	261400	261900	261900	264100	264300	264300	264300	264300	264300	264700	264700	264700	265500	265500	265500	266300	266300	266300
Allamakee	365900	365900	365900	365900	367100	367100	371100	373600	373600	373600	373600	373600	373600	373600	373600	374800	374800	374800	375900	375900	375900
Appanoose	283500	283500	283500	283500	284300	284300	286700	286700	286700	286700	286700	286700	289400	289400	289400	290300	290300	290300	291100	291100	291100
Audubon	275400	275400	275400	275400	275900	275900	278100	277500	277500	277500	277500	277500	277500	277500	277500	278300	278300	278300	279200	279200	279200
Benton	425900	425900	425900	425900	427100	427100	431200	432500	432500	432500	432500	432500	434800	434800	434800	436100	436100	436100	437400	437400	437400
Black Hawk	302600	302600	302600	302600	303400	303400	306400	306200	306200	306200	306200	306200	308500	308500	308500	309400	309400	309400	310400	310400	310400
Boone	329800	329800	329800	329800	330800	330800	333600	331300	331300	331300	331300	331300	337400	337400	337400	338400	338400	338400	339400	339400	339400
Bremer	254800	254800	254800	254800	255900	255900	258600	260300	260300	260300	260300	260300	260300	260300	260300	261000	261000	261000	261800	261800	261800
Buchanan	341600	341600	341600	341600	342400	342400	345400	345900	345900	345900	345900	345900	345900	345900	345900	346900	346900	346900	348000	348000	348000
Buena Vista	347200	347200	347200	347200	348000	348000	350900	351300	351300	351300	351300	351300	351900	351900	351900	352900	352900	352900	353900	353900	353900
Butler	348100	348100	348100	348100	349300	349300	352100	352300	352300	352300	352300	352300	353000	353000	353000	354100	354100	354100	355100	355100	355100
Calhoun	347000	347000	347000	347000	347700	347700	350500	350800	350800	350800	350800	350800	351900	351900	351900	352900	352900	352900	353900	353900	353900
Carroll	346100	346100	346100	346100	347100	347100	350100	350500	350500	350500	350500	350500	351400	351400	351400	352400	352400	352400	353400	353400	353400
Cass	342700	342700	342700	342700	343500	343500	346400	346600	346600	346600	346600	346600	347000	347000	347000	348000	348000	348000	349100	349100	349100
Cedar	346800	346800	346800	346800	347700	347700	350600	351400	351400	351400	351400	351400	352000	352000	352000	353100	353100	353100	354100	354100	354100
Cerro Gordo	329000	329000	329000	329000	330700	330700	333200	336200	336200	336200	336200	336200	338400	338400	338400	339300	339400	339400	340400	340400	340400
Cherokee	351500	351500	351500	351500	352400	352400	355100	355300	355300	355300	355300	355300	355900	355900	355900	357000	357000	357000	358000	358000	358000
Chickasaw	304200	304200	304200	304200	305000	305000	307200	305100	305100	305100	305100	305100	305100	305100	305100	306000	306000	306000	306900	306900	306900
Clarke	260400	260400	260400	260400	261400	261400	263600	263900	263900	263900	263900	263900	264200	264200	264200	265000	265000	265000	265800	265800	265800
Clay	340100	340100	340100	340100	340900	340900	344100	345100	345100	345100	345100	345100	345800	345800	345800	346800	346800	346800	347900	347900	347900
Clayton	459400	459400	459400	459400	460500	460500	464500	465300	465300	465300	465300	465300	465300	465300	465300	466700	466700	466700	468100	468100	468100
Clinton	403700	403700	403700	403700	405200	405200	408700	409200	409200	409200	409200	409200	409200	409200	409200	410500	410400	410400	411700	411700	411700
Crawford	437900	437900	437900	437900	438900	438900	442700	443100	443100	443100	443100	443100	444400	444400	444400	445700	445700	445700	447100	447100	447100
Dallas	337600	337600	337600	337600	339600	339600	342500	345600	345600	345600	345600	345600	345600	345600	345600	346600	346600	346600	347700	347700	347700
Davis	305500	305500	305500	305500	306600	306600	309000	313600	313600	313600	313600	313600	313600	313600	310600	310600	310600	311600	311600	311600	312500
Decatur	321900	321900	321900	321900	322600	322600	325300	325100	325100	325100	325100	325100	325100	325100	325100	326000	326000	326000	327000	327000	327000
Delaware	343000	343000	343000	343000	343900	343900	346900	348700	348700	348700	348700	348700	348700	348700	348700	349700	349700	349700	350700	350700	350700
Des Moines	214900	214900	214900	214900	215500	215500	217400	218300	218300	218300	218300	218300	218300	218300	218500	218500	218500	219200	219200	219200	219800
Dickinson	218400	218400	218400	218400	219400	219400	222200	224700	224700	224700	224700	224700	224700	224700	226800	226800	226800	227400	227400	227400	228100
Dubuque	342400	342400	342400	342400	343600	343600	346700	348400	348400	348400	348400	348400	348400	348400	348400	349400	349400	349400	350400	350400	350400
Emmet	236900	236900	236900	236900	237400	237400	239400	240300	240300	240300	240300	240300	240300	240300	240800	240800	240800	241600	241600	241600	242300
Fayette	436800	436800	436800	436800	437900	437900	441500	441100	441100	441100	441100	441100	441100	441100	441100	442400	442500	442500	443800	443800	443800

^aYear in which estimates were not revised

Table 2. Estimated Number of Acres in Farms in Iowa's Counties, 1978-1998 (continued).

County	1998 ^a	1997 ^a	1996 ^a	1995	1994	1993	1992	1991 ^a	1990 ^a	1989 ^a	1988 ^a	1987	1986 ^a	1985 ^a	1984	1983 ^a	1982 ^a	1981	1980 ^a	1979 ^a	1978 ^a
Floyd	299200	299200	299200	299200	299800	299800	302500	302600	302600	302600	302600	302600	303600	303600	303600	304500	304500	304500	305400	305400	305400
Franklin	353100	353100	353100	353100	354000	354000	356800	357300	357300	357300	357300	357300	358100	358100	358100	359100	359100	359100	360200	360200	360200
Fremont	307800	307800	307800	307800	308400	308400	311100	311800	311800	311800	311800	311800	312800	312800	312800	313800	313700	313700	314700	314700	314700
Greene	349800	349800	349800	349800	350800	350800	353700	354100	354100	354100	354100	354100	354400	354400	354400	355500	355500	355500	356500	356500	356500
Grundy	309300	309300	309300	309300	310000	310000	312700	312800	312800	312800	312800	312800	312800	312800	312800	313700	313700	313700	314600	314600	314600
Guthrie	359500	359500	359500	359500	360300	360300	363100	363800	363800	363800	363800	363800	364400	364400	364400	365500	365500	365500	366600	366600	366600
Hamilton	347200	347200	347200	347200	347900	347900	350800	350600	350600	350600	350600	350600	350600	350600	350600	351600	351700	351700	352700	352700	352700
Hancock	344600	344600	344600	344600	345700	345700	348900	349300	349300	349300	349300	349300	350000	350000	350000	351000	351000	351000	352000	352000	352000
Hardin	342100	342100	342100	342100	342900	342900	345800	346200	346200	346200	346200	346200	347200	347200	347200	348200	348200	348200	349200	349200	349200
Harrison	416000	416000	416000	416000	417000	417000	420500	421900	421900	421900	421900	421900	425000	425000	425000	426300	426300	426300	427500	427500	427500
Henry	258100	258100	258100	258100	258800	258800	261000	262100	262100	262100	262100	262100	262300	262300	262300	263100	263100	263100	263900	263900	263900
Howard	287100	287100	287100	287100	287900	287900	290400	288400	288400	288400	288400	288400	288400	288400	288400	289300	289300	289300	290100	290100	290100
Humboldt	264100	264100	264100	264100	264700	264700	266900	267200	267200	267200	267200	267200	267400	267400	267400	268200	268200	268200	269000	269000	269000
Ida	265200	265200	265200	265200	265700	265700	267900	268000	268000	268000	268000	268000	268400	268400	268400	269200	269200	269200	270000	270000	270000
Iowa	351700	351700	351700	351700	353000	353000	358600	360400	360400	360400	360400	360400	361100	361100	361100	362100	362100	362100	363200	363200	363200
Jackson	372300	372300	372300	372300	373200	373200	376600	378400	378400	378400	378400	378400	378800	378800	378800	379900	379900	379900	381100	381100	381100
Jasper	426100	426100	426100	426100	427800	427800	431600	438600	438600	438600	438600	438600	439300	439300	439300	440700	440700	440700	442000	442000	442000
Jefferson	256000	256000	256000	256000	257100	257100	260500	262300	262300	262300	262300	262300	263400	263400	263400	264300	264200	264200	265000	265000	265000
Johnson	319000	319000	319000	319000	321100	321100	324600	330000	330000	330000	330000	330000	337700	337700	337700	338700	338700	338700	339700	339700	339700
Jones	343700	343700	343700	343700	344500	344500	347500	348100	348100	348100	348100	348100	348900	348900	348900	349900	349900	349900	350900	350900	350900
Keokuk	352000	352000	352000	352000	353300	353300	354500	356400	356400	356400	356400	356400	356400	356400	356400	357400	357500	357500	358500	358500	358500
Kossuth	592200	592200	592200	592200	593500	593500	598600	598700	598700	598700	598700	598700	600300	600300	600300	602100	602100	602100	603900	603900	603900
Lee	289900	289900	289900	289900	290900	290900	293700	294800	294800	294800	294800	294800	294800	294800	294800	295600	295600	295600	296500	296500	296500
Linn	377100	377100	377100	377100	378900	378900	382800	387200	387200	387200	387200	387200	389400	389400	389400	390600	390600	390600	391700	391700	391700
Louisa	226900	226900	226900	226900	228900	228900	231000	232000	232000	232000	232000	232000	233400	233400	233400	234100	234100	234100	234800	234800	234800
Lucas	251600	251600	251600	251600	252400	252400	249500	251100	251100	251100	251100	251100	255300	255300	255300	256100	256100	256100	256800	256800	256800
Lyon	358800	358800	358800	358800	359500	359500	362600	362800	362800	362800	362800	362800	363200	363200	363200	364300	364300	364300	365400	365400	365400
Madison	344500	344500	344500	344500	345200	345200	348200	347400	347400	347400	347400	347400	347400	347400	347400	348400	348400	348400	349500	349500	349500
Mahaska	341300	341300	341300	341300	342400	342400	345600	347100	347100	347100	347100	347100	350900	350900	350900	351900	351900	351900	352900	352900	352900
Marion	298300	298300	298300	298300	299100	299100	302000	303600	303600	303600	303600	303600	308700	308700	308700	309600	309600	309600	310600	310600	310600
Marshall	336700	336700	336700	336700	338000	338000	342100	344200	344200	344200	344200	344200	344400	344400	344400	345500	345400	345400	346500	346500	346500
Mills	262500	262500	262500	262500	263100	263100	265400	267200	267200	267200	267200	267200	267200	267200	267200	268000	268000	268000	268800	268800	268800
Mitchell	284300	284300	284300	284300	284900	284900	287400	287800	287800	287800	287800	287800	288700	288700	288700	289600	289600	289600	290400	290400	290400

Table 2. Estimated Number of Acres in Farms in Iowa's Counties, 1978-1998 (continued).

County	1998 ^a	1997 ^a	1996 ^a	1995	1994	1993	1992	1991 ^a	1990 ^a	1989 ^a	1988 ^a	1987	1986 ^a	1985 ^a	1984	1983 ^a	1982 ^a	1981	1980 ^a	1979 ^a	1978 ^a
Monona	414900	414900	414900	414900	415800	415800	418800	418600	418600	418600	418600	418600	421200	421200	421200	422500	422500	422500	423700	423700	423700
Monroe	260400	260400	260400	260400	261300	261300	263600	264200	264200	264200	264200	264200	264200	264200	264200	265000	265000	265000	265800	265800	265800
Montgomery	256300	256300	256300	256300	256900	256900	259200	260400	260400	260400	260400	260400	260800	260800	260800	261500	261500	261500	262300	262300	262300
Muscatine	245400	245400	245400	245400	247200	247200	249200	250100	250100	250100	250100	250100	250500	250500	250500	251300	251300	251300	252000	252000	252000
O'Brien	348900	348900	348900	348900	349600	349600	352400	352300	352300	352300	352300	352300	352600	352600	352600	353600	353700	353700	354700	354700	354700
Osceola	242800	242800	242800	242800	243200	243200	245300	245500	245500	245500	245500	245500	246500	246500	246500	247200	247200	247200	248000	248000	248000
Page	323300	323300	323300	323300	324000	324000	326700	327300	327300	327300	327300	327300	328600	328600	328600	329600	329700	329700	330600	330600	330600
Palo Alto	343800	343800	343800	343800	344700	344700	347600	348500	348500	348500	348500	348500	348800	348800	348800	349800	349800	349800	350800	350800	350800
Plymouth	524100	524100	524100	524100	525700	525700	530500	532600	532600	532600	532600	532600	534300	534300	534300	535900	535900	535900	537500	537500	537500
Pocahontas	350900	350900	350900	350900	351700	351700	354500	354400	354400	354400	354400	354400	355400	355400	355400	356500	356500	356500	357500	357500	357500
Polk	237600	237600	237600	237600	241600	241600	246400	252800	252800	252800	252800	252800	260000	260000	260000	260800	260700	260700	261500	261500	261500
Pottawattamie	550600	550600	550600	550600	552000	552000	557100	559900	559900	559900	559900	559900	562100	562100	562100	563700	563700	563700	565400	565400	565400
Poweshiek	352300	352300	352300	352300	353100	353100	356200	356900	356900	356900	356900	356900	357600	357600	357600	358600	358600	358600	359700	359700	359700
Ringgold	333500	333500	333500	333500	334300	334300	336700	337300	337300	337300	337300	337300	337700	337700	337700	338600	338700	338700	339700	339700	339700
Sac	349000	349000	349000	349000	349900	349900	352800	353500	353500	353500	353500	353500	355100	355100	355100	356200	356200	356200	357200	357200	357200
Scott	231800	231800	231800	231800	233000	233000	235200	238000	238000	238000	238000	238000	239000	239000	239000	239700	239700	239700	240400	240400	240400
Shelby	361000	361000	361000	361000	362000	362000	365000	365200	365200	365200	365200	365200	365400	365400	365400	366600	366500	366500	367600	367600	367600
Sioux	463100	463100	463100	463100	464300	464300	468100	467300	467300	467300	467300	467300	468000	468000	468000	469400	469400	469400	470800	470800	470800
Story	325500	325500	325500	325500	326800	326800	329700	331800	331800	331800	331800	331800	333700	333700	333700	334700	334700	334700	335700	335700	335700
Tama	424500	424500	424500	424500	426200	426200	437200	437500	437500	437500	437500	437500	437900	437900	437900	439200	439200	439200	440500	440500	440500
Taylor	329600	329600	329600	329600	330300	330300	332600	332700	332700	332700	332700	332700	333200	333200	333200	334200	334200	334200	335200	335200	335200
Union	254700	254700	254700	254700	255700	255700	258400	259700	259700	259700	259700	259700	259700	259700	259700	260500	260400	260400	261200	261200	261200
Van Buren	289200	289200	289200	289200	290100	290100	293500	296000	296000	296000	296000	296000	296500	296500	296500	297400	297400	297400	298300	298300	298300
Wapello	244500	244500	244500	244500	245200	245200	248000	249300	249300	249300	249300	249300	249600	249600	249600	250300	250300	250300	251100	251100	251100
Warren	325100	325100	325100	325100	326900	326900	330500	331500	331500	331500	331500	331500	334300	334300	334300	335300	335300	335300	336300	336300	336300
Washington	337700	337700	337700	337700	338500	338500	341400	343200	343200	343200	343200	343200	344100	344100	344100	345100	345100	345100	346200	346200	346200
Wayne	319200	319200	319200	319200	320100	320100	322700	322900	322900	322900	322900	322900	323800	323800	323800	324800	324800	324800	325700	325700	325700
Webster	416600	416600	416600	416600	417600	417600	421500	422900	422900	422900	422900	422900	423900	423900	423900	425100	425200	425200	426400	426400	426400
Winnebago	238200	238200	238200	238200	239000	239000	241000	241600	241600	241600	241600	241600	243300	243300	243300	244100	244000	244000	244800	244800	244800
Winneshiek	413400	413400	413400	413400	414300	414300	418100	419200	419200	419200	419200	419200	419200	419200	419200	420500	420500	420500	421700	421700	421700
Woodbury	500300	500300	500300	500300	501200	501200	508200	509800	509800	509800	509800	509800	510100	510100	510100	511600	511600	511600	513200	513200	513200
Worth	238500	238500	238500	238500	239100	239100	241100	241900	241900	241900	241900	241900	242800	242800	242800	243500	243500	243500	244300	244300	244300
Wright	351300	351300	351300	351300	352000	352000	355000	355300	355300	355300	355300	355300	355800	355800	355800	356900	356900	356900	357900	357900	357900
State of Iowa	33000000	33000000	33000000	33100000	33100000	33500000	33500000	33500000	33500000	33500000	33500000	33500000	33600000	33600000	33700000	33700000	33700000	33800000	33800000	33800000	33800000
	33000000	33000000	33000000	33100000	33400000	33500000	33500000	33500000	33500000	33500000	33500000	33600000	33600000	33600000	33700000	33700000	33700000	33800000	33800000	33800000	33800000

Table 3. Estimated Average Size (in acres) of Farms in Iowa's Counties, 1978-1998.

County	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978
Adair	409	404	400	395	387	383	382	382	378	374	366	363	353	346	343	340	331	331	329	323	317
Adams	422	415	408	396	391	385	383	383	383	378	372	378	368	368	363	364	354	354	355	350	341
Allamakee	359	355	348	345	340	337	334	337	337	337	334	343	337	334	334	332	326	318	319	313	311
Appanoose	338	334	330	326	319	316	319	319	319	319	319	322	325	325	322	323	312	302	294	294	291
Audubon	372	367	362	362	354	345	343	343	334	330	323	319	315	312	308	306	303	296	291	285	279
Benton	330	328	323	318	314	309	310	311	307	305	296	294	292	286	277	276	274	274	273	270	265
Black Hawk	283	280	275	270	266	262	264	264	257	251	239	236	234	232	232	231	226	226	225	222	220
Boone	358	355	351	347	348	348	348	345	338	331	325	319	321	312	304	297	289	287	285	280	272
Bremer	243	240	238	234	233	228	231	232	230	226	222	222	219	215	210	204	201	201	201	200	188
Buchanan	285	282	280	280	281	281	283	284	277	270	258	254	251	249	249	248	244	238	234	230	230
Buena Vista	369	365	362	358	355	352	354	355	348	335	325	314	306	301	298	297	292	285	283	283	276
Butler	295	293	290	288	286	282	282	282	277	275	269	267	263	256	249	243	238	235	235	234	234
Calhoun	403	399	394	390	386	382	385	385	373	365	358	347	338	326	317	302	299	299	300	297	290
Carroll	293	288	286	284	285	285	287	287	280	276	264	260	256	253	253	252	248	248	249	247	247
Cass	394	389	385	381	377	373	369	369	369	365	357	365	354	347	330	322	316	316	315	306	304
Cedar	337	333	327	318	313	305	305	306	303	300	293	293	289	284	275	268	265	265	264	260	253
Cerro Gordo	374	370	366	366	367	367	366	369	365	362	354	354	349	338	332	326	323	323	321	315	304
Cherokee	366	362	359	355	356	352	355	355	348	338	329	320	312	304	294	293	293	293	291	289	284
Chickasaw	307	304	301	295	290	285	284	283	283	283	277	283	277	275	270	262	255	255	256	254	252
Clarke	367	362	362	362	363	363	361	362	367	367	367	372	362	357	352	344	340	340	336	328	324
Clay	453	448	442	436	426	416	420	421	411	401	392	388	380	364	346	330	327	327	325	322	316
Clayton	266	263	263	263	263	263	261	261	264	267	267	274	272	272	272	271	267	258	256	253	253
Clinton	297	295	293	290	287	283	284	284	282	280	275	278	275	269	264	263	258	253	251	251	248
Crawford	365	359	353	348	343	338	335	336	333	331	323	323	317	306	298	295	289	286	287	285	281
Dallas	344	341	338	334	336	336	336	339	332	329	323	314	311	303	295	289	284	284	285	283	274
Davis	332	328	325	325	323	323	322	327	327	327	327	327	334	330	330	328	321	315	313	300	300
Decatur	435	435	435	435	436	436	434	433	433	439	439	445	433	428	428	423	418	413	414	404	399
Delaware	252	250	249	247	246	244	244	246	244	242	237	239	239	239	239	238	233	233	234	232	229
Des Moines	311	311	307	303	299	295	298	299	295	291	287	284	277	273	273	271	264	264	262	247	247
Dickinson	390	383	377	370	366	360	353	357	357	362	357	368	366	354	354	350	339	334	331	326	326
Dubuque	205	203	201	200	201	201	200	201	203	204	204	207	206	206	206	206	202	202	203	201	201
Emmet	423	416	408	402	396	389	386	388	388	388	381	388	382	370	354	340	336	326	327	323	319
Fayette	314	312	308	301	296	290	290	290	288	288	283	286	281	277	272	271	267	260	257	251	249

Table 3. Estimated Average Size (in acres) of Farms in Iowa's Counties, 1978-1998 (continued).

County	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978
Floyd	329	325	322	318	319	316	315	315	312	306	300	300	295	289	284	279	274	272	273	270	268
Franklin	380	376	372	368	365	361	357	357	354	350	344	347	341	332	320	310	304	304	303	298	286
Fremont	505	496	489	489	490	490	494	495	472	459	452	427	417	417	412	413	402	402	398	393	379
Greene	427	421	416	412	408	403	407	407	398	385	377	365	354	344	338	335	332	332	327	324	315
Grundy	382	377	373	368	365	360	364	364	344	329	319	298	295	287	282	280	273	270	269	267	256
Guthrie	391	387	378	367	360	353	343	343	350	357	357	371	361	347	337	329	326	326	327	324	316
Hamilton	408	404	399	395	387	382	385	385	373	361	351	337	331	325	316	306	301	296	291	284	273
Hancock	375	371	367	363	356	353	356	356	349	342	336	326	321	313	304	300	295	290	289	286	275
Hardin	368	364	360	356	350	343	339	339	333	330	324	321	316	310	299	290	285	285	284	279	273
Harrison	438	433	429	429	430	430	429	431	422	418	410	402	394	379	366	358	352	349	345	342	334
Henry	297	293	293	293	294	294	297	298	294	291	285	288	282	276	276	274	268	268	267	251	247
Howard	312	309	305	305	303	300	296	294	294	297	291	300	294	291	286	276	270	270	271	269	261
Humboldt	413	406	400	400	395	389	393	393	382	366	356	347	343	334	326	319	312	312	309	309	299
Ida	379	374	368	363	359	354	357	357	353	344	335	335	327	320	312	309	302	302	300	300	293
Iowa	338	335	335	332	333	333	335	337	337	334	328	334	328	322	320	318	309	307	305	303	300
Jackson	274	272	270	268	267	265	262	263	265	268	268	274	271	271	271	269	264	260	261	259	259
Jasper	330	325	323	318	317	312	311	316	311	307	300	296	293	287	283	279	274	274	273	271	263
Jefferson	324	320	316	312	314	314	310	312	316	320	320	332	325	317	306	297	290	287	285	265	262
Johnson	240	236	236	236	238	238	237	241	239	239	234	237	240	235	228	226	223	223	222	221	218
Jones	312	310	307	304	300	297	294	295	295	293	290	293	288	284	275	269	265	257	258	258	256
Keokuk	345	342	342	342	340	336	334	336	336	336	330	339	333	324	313	300	295	295	294	276	274
Kossuth	390	387	382	375	371	366	367	367	361	356	346	342	337	330	323	320	315	314	311	307	297
Lee	322	319	315	308	306	303	306	307	304	301	295	292	286	281	281	279	274	274	275	262	260
Linn	240	237	234	233	232	231	232	235	232	230	226	226	224	221	218	217	215	215	214	213	211
Louisa	366	366	366	366	369	369	373	374	368	368	363	363	359	348	343	334	330	330	326	301	297
Lucas	349	349	349	349	351	351	347	349	349	354	354	359	355	350	345	333	324	320	306	302	302
Lyon	302	299	299	299	300	300	297	297	295	293	286	288	282	275	267	262	258	257	257	256	256
Madison	331	328	325	319	317	314	314	313	316	319	319	322	313	310	307	303	295	290	280	277	275
Mahaska	313	310	307	302	298	290	290	292	292	292	287	289	288	283	281	279	275	273	274	259	258
Marion	284	281	279	276	272	267	270	271	269	266	266	264	262	259	255	252	248	248	247	230	227
Marshall	340	337	333	330	328	325	323	325	322	319	313	316	310	305	297	290	283	281	282	279	279
Mills	477	477	469	461	446	439	442	445	438	424	418	411	399	399	393	394	388	383	363	358	340
Mitchell	331	327	327	327	327	327	330	331	323	313	303	300	295	292	289	287	284	284	282	277	274

Table 3. Estimated Average Size (in acres) of Farms in Iowa's Counties, 1978-1998 (continued).

County	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978
Monona	539	532	519	506	495	483	476	476	476	476	465	481	479	463	458	454	445	436	424	424	404
Monroe	362	362	362	362	363	363	366	367	362	357	357	352	352	352	352	349	344	340	328	320	320
Montgomery	413	407	407	400	395	389	393	395	389	377	372	367	357	352	343	344	335	335	332	332	332
Muscatine	296	292	289	289	291	291	293	294	291	284	275	272	269	266	258	251	249	249	245	242	240
O'Brien	326	323	317	312	307	301	304	304	296	294	286	280	273	267	265	264	260	260	261	259	257
Osceola	347	342	342	337	333	333	327	327	327	327	319	327	320	312	301	294	291	291	292	288	288
Page	355	351	344	340	338	331	330	331	327	324	318	318	316	316	313	314	308	308	306	303	285
Palo Alto	404	400	395	395	392	387	386	387	383	375	367	367	356	349	345	343	336	333	328	328	319
Plymouth	328	324	320	316	315	313	312	313	310	308	301	301	295	292	286	285	282	281	280	278	276
Pocahontas	418	413	403	394	386	378	381	381	373	365	358	351	342	332	323	321	315	313	308	306	303
Polk	276	273	270	270	275	271	277	284	275	266	258	248	250	245	241	237	233	229	229	227	227
Pottawattamie	385	382	380	377	378	376	379	381	368	359	348	335	331	325	316	311	305	297	298	298	298
Poweshiek	352	349	345	342	340	336	333	334	334	334	327	337	331	325	316	315	306	304	302	300	295
Ringgold	470	463	457	451	446	440	437	438	450	462	462	475	463	456	450	440	423	418	414	395	390
Sac	397	392	384	375	368	361	360	361	354	347	337	333	326	317	311	310	307	307	308	308	300
Scott	273	270	263	258	253	248	250	253	251	245	240	240	237	232	225	220	216	216	215	213	205
Shelby	354	350	347	341	335	329	329	329	323	315	307	304	297	288	281	278	274	274	274	272	268
Sioux	245	242	240	237	236	233	231	230	229	229	225	228	226	224	223	224	220	220	220	219	214
Story	322	319	316	316	317	317	320	322	313	302	291	286	283	276	271	270	268	268	266	262	251
Tama	340	337	332	327	320	313	315	315	313	313	306	306	302	296	296	295	287	283	282	275	270
Taylor	423	417	417	417	418	418	406	406	411	416	416	427	417	406	392	380	371	356	353	349	346
Union	359	359	354	354	355	355	354	356	361	361	361	371	361	356	351	338	334	334	331	304	300
Van Buren	353	353	353	353	354	354	349	352	357	357	357	370	362	353	349	338	330	327	321	308	301
Wapello	298	298	295	295	292	292	295	297	293	283	277	274	268	263	263	261	258	245	246	241	241
Warren	254	252	252	250	251	251	254	255	255	253	253	251	249	246	244	241	238	238	237	229	227
Washington	307	304	302	299	300	297	299	301	298	296	286	291	284	280	280	278	274	274	270	258	256
Wayne	415	415	409	409	410	405	403	404	409	414	414	425	415	410	405	396	391	387	388	358	354
Webster	412	408	404	397	390	387	390	392	378	365	352	338	336	331	324	315	310	310	309	307	300
Winnebago	361	356	350	345	341	337	335	336	331	326	318	318	316	308	300	291	284	280	278	269	263
Winneshiak	268	265	262	258	256	253	252	253	253	253	248	253	248	247	247	246	240	236	236	232	228
Woodbury	373	368	368	368	369	369	366	367	367	367	362	372	364	352	340	324	320	314	315	313	309
Worth	361	356	351	346	342	337	326	327	331	341	341	356	352	333	319	304	301	293	291	284	281
Wright	456	450	445	434	424	419	418	418	413	404	395	395	387	379	367	353	350	347	344	334	328
State of Iowa	340	337	333	330	328	325	324	325	322	319	313	313	308	303	297	293	288	286	284	279	275

Figure 1. Number of farms in Iowa, 1900-1998.

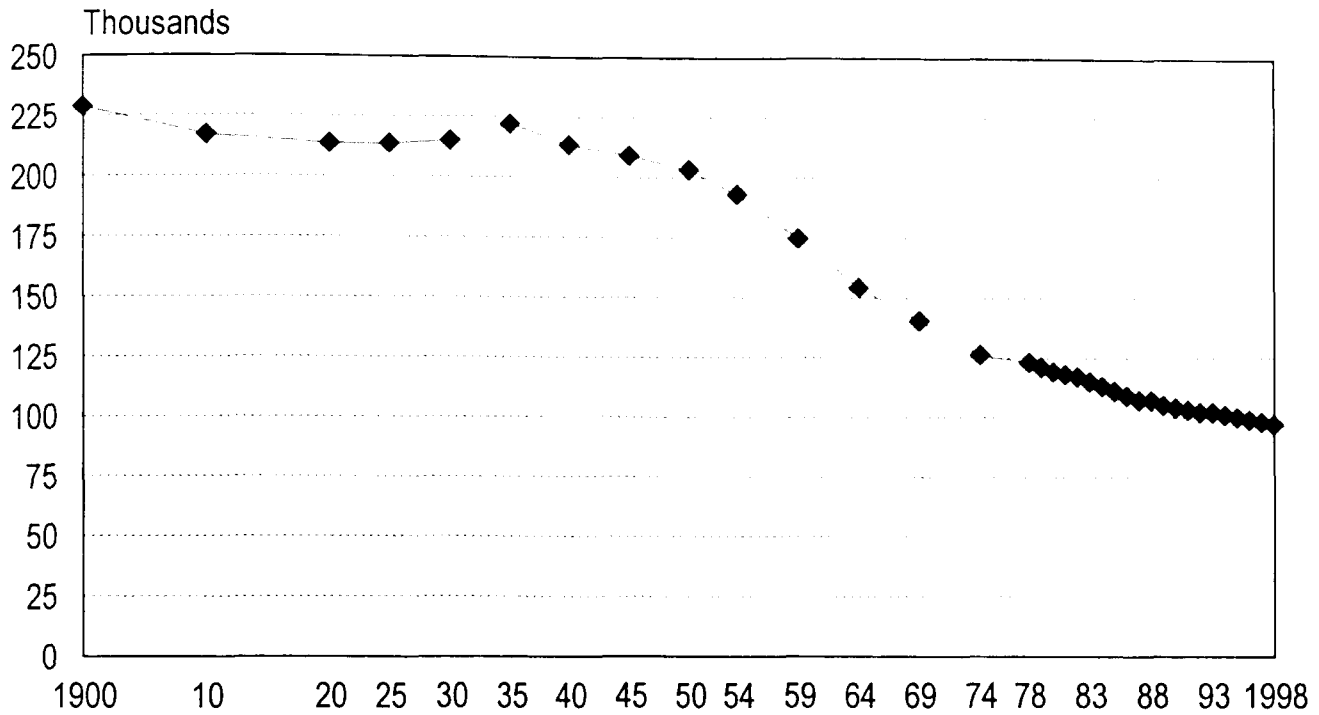


Figure 2. Average size (in acres) of farms in Iowa, 1900-1998.

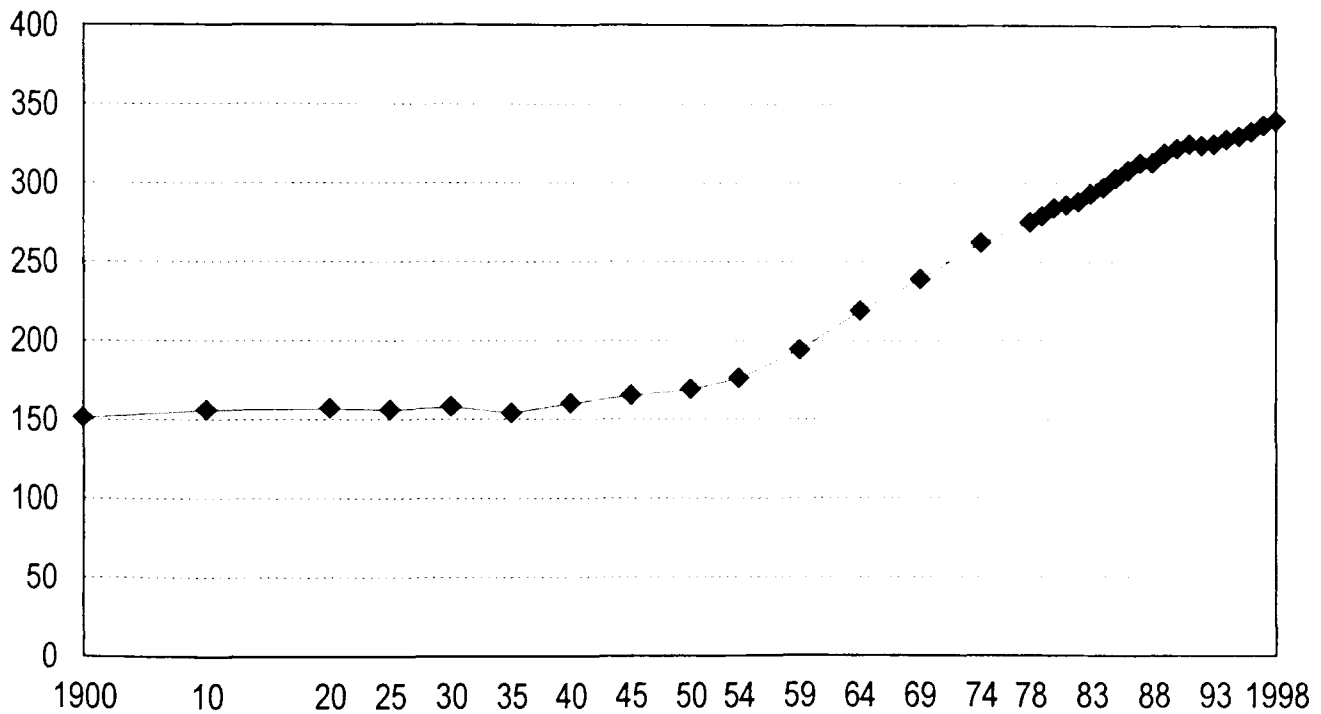


Table 4. Percentage Change in Number and Average Size (in Acres) of Farms in Iowa's Counties, 1978-1998.

County	% Change in Number of Farms					% Change in Average Size (in Acres)				
	1978-1998	1993-1998	1988-1993	1983-1988	1978-1983	1978-1998	1993-1998	1988-1993	1983-1988	1978-1983
Adair	-23.9	-7.0	-5.2	-7.6	-7.1	29.0	6.3	4.7	7.6	7.3
Adams	-20.5	-9.7	-4.2	-2.7	-6.4	23.6	8.6	3.5	2.2	6.7
Allamakee	-15.7	-6.9	-2.7	-0.9	-6.6	15.3	6.1	0.8	0.6	6.8
Appanoose	-16.0	-7.1	0.0	0.0	-10.0	16.0	6.4	-1.0	-1.2	11.0
Audubon	-26.0	-8.1	-7.0	-5.5	-9.0	33.4	7.3	6.8	5.6	9.7
Benton	-21.8	-7.0	-5.5	-7.6	-4.2	24.6	6.3	4.6	7.2	4.2
Black Hawk	-24.1	-8.4	-9.4	-4.5	-5.0	28.5	7.5	9.4	3.5	5.0
Boone	-26.4	-3.3	-6.9	-10.5	-8.8	31.8	2.9	7.1	9.4	9.2
Bremer	-24.5	-6.7	-4.3	-8.6	-7.9	29.1	5.8	2.9	8.8	8.5
Buchanan	-20.5	-1.7	-9.0	-4.3	-7.3	23.8	1.4	8.8	4.0	7.8
Buena Vista	-26.6	-5.3	-8.3	-9.2	-7.0	33.8	4.8	8.2	9.4	7.6
Butler	-22.4	-5.1	-5.3	-10.3	-3.9	26.1	4.5	4.7	10.7	3.8
Calhoun	-29.5	-5.8	-7.1	-16.2	-4.1	39.1	5.3	6.7	18.5	4.1
Carroll	-17.5	-3.4	-8.3	-5.0	-2.1	18.7	3.0	7.8	4.8	2.0
Cass	-24.3	-5.7	-5.2	-10.2	-6.1	29.6	5.2	4.6	10.9	5.9
Cedar	-26.4	-10.7	-5.0	-9.1	-5.7	33.1	9.4	4.1	9.3	5.9
Cerro Gordo	-21.4	-2.3	-5.3	-8.7	-7.1	23.0	1.7	3.8	8.6	7.2
Cherokee	-23.8	-4.2	-7.4	-11.5	-3.2	28.9	3.8	7.1	12.3	3.2
Chickasaw	-18.9	-8.1	-2.7	-6.0	-4.1	21.9	7.2	2.9	5.7	4.0
Clarke	-13.4	-1.4	0.0	-6.5	-6.1	13.2	1.0	-1.1	6.7	6.2
Clay	-31.8	-9.3	-6.8	-16.2	-4.5	43.5	8.3	6.1	18.8	4.4
Clayton	-6.5	-1.2	0.6	1.2	-7.0	5.0	0.9	-1.4	-1.5	7.1
Clinton	-18.1	-5.1	-4.0	-4.5	-6.0	19.7	4.5	3.0	4.6	6.0
Crawford	-24.5	-8.3	-5.1	-9.3	-5.0	29.9	7.5	4.5	9.5	5.0
Dallas	-22.8	-3.1	-5.6	-10.8	-5.5	25.7	2.4	4.1	11.8	5.5
Davis	-11.5	-3.3	-1.0	1.1	-8.7	10.7	2.8	-1.3	-0.3	9.3
Decatur	-9.8	0.0	0.0	-3.9	-6.1	9.0	-0.2	-0.7	3.8	6.0
Delaware	-11.1	-3.7	-4.1	0.0	-3.9	10.1	3.3	2.9	-0.4	3.9
Des Moines	-22.5	-5.8	-3.9	-6.2	-9.0	26.1	5.2	2.9	5.9	9.7
Dickinson	-20.0	-8.9	-3.2	-3.1	-7.1	19.6	7.8	0.7	2.0	7.4
Dubuque	-4.0	-2.4	0.0	0.6	-2.3	2.0	2.0	-1.5	-1.0	2.5
Emmet	-26.3	-8.9	-3.2	-11.3	-6.6	32.6	8.0	2.1	12.1	6.6
Fayette	-21.9	-8.6	-3.2	-4.3	-8.4	26.2	7.7	2.5	4.4	8.8
Floyd	-20.2	-4.4	-5.9	-7.3	-4.4	22.7	4.0	5.2	7.5	4.1
Franklin	-26.2	-5.4	-5.8	-10.3	-7.9	32.8	4.9	5.0	11.0	8.4
Fremont	-26.5	-3.3	-8.7	-9.2	-8.4	33.1	3.0	8.3	9.4	9.0
Greene	-27.4	-6.1	-7.4	-11.3	-6.2	35.4	5.5	7.0	12.5	6.3
Grundy	-34.1	-6.2	-12.2	-12.5	-8.9	49.2	5.6	13.0	13.9	9.4
Guthrie	-20.7	-10.9	0.0	-8.1	-4.3	23.7	9.6	-1.1	8.5	4.1
Hamilton	-34.1	-7.1	-9.0	-13.0	-10.9	49.6	6.4	8.9	14.7	12.1
Hancock	-28.1	-6.5	-5.8	-11.1	-8.6	36.2	5.8	5.0	12.0	9.1
Hardin	-27.3	-7.5	-6.5	-10.8	-6.3	34.7	6.8	5.8	11.7	6.2
Harrison	-25.8	-2.1	-5.8	-13.4	-7.0	31.1	1.8	4.9	14.5	7.2
Henry	-18.7	-1.1	-4.3	-4.2	-10.3	20.1	0.9	3.2	4.0	10.9
Howard	-17.1	-4.3	-3.0	-5.7	-5.4	19.6	3.9	3.1	5.4	5.7
Humboldt	-28.9	-6.3	-9.3	-10.7	-6.7	38.0	5.7	9.3	11.6	6.7
Ida	-23.9	-7.1	-6.3	-8.0	-5.4	29.3	6.5	5.8	8.4	5.5
Iowa	-14.0	-1.9	-3.6	-3.5	-5.8	12.7	1.5	1.5	3.1	6.0
Jackson	-7.5	-3.7	0.0	0.0	-4.1	5.7	3.3	-1.2	-0.4	3.9
Jasper	-23.2	-6.2	-6.2	-7.6	-6.0	25.6	5.5	4.1	7.5	6.1

Table 4. Percentage Change in Number and Average Size (in Acres) of Farms in Iowa's Counties, 1978-1998 (continued).

County	% Change in Number of Farms					% Change in Average Size (in Acres)				
	1978-1998	1993-1998	1988-1993	1983-1988	1978-1983	1978-1998	1993-1998	1988-1993	1983-1988	1978-1983
Jefferson	-21.8	-3.8	0.0	-7.9	-11.9	23.7	3.2	-2.0	7.7	13.4
Johnson	-14.7	-1.5	-4.3	-6.0	-3.8	10.0	0.8	1.6	3.5	3.7
Jones	-19.7	-5.5	-3.3	-7.7	-5.1	22.1	5.0	2.4	7.8	5.1
Keokuk	-22.1	-2.9	-2.8	-9.2	-9.2	25.9	2.5	2.0	10.0	9.5
Kossuth	-25.1	-6.6	-6.4	-8.0	-7.4	31.2	6.0	5.9	8.1	7.7
Lee	-21.1	-6.7	-4.0	-5.7	-7.0	23.9	5.9	2.7	5.7	7.3
Linn	-15.6	-4.5	-4.1	-5.0	-3.2	13.8	3.8	2.2	4.1	2.8
Louisa	-21.5	0.0	-3.1	-8.6	-11.4	23.2	-0.9	1.7	8.7	12.5
Lucas	-15.3	0.0	1.4	-7.8	-9.4	15.7	-0.3	-1.0	6.3	10.3
Lyon	-16.8	-0.8	-5.5	-8.6	-2.8	17.8	0.6	4.7	9.2	2.3
Madison	-18.1	-5.8	0.9	-5.2	-9.4	20.5	5.3	-1.6	5.3	10.2
Mahaska	-20.4	-8.3	-2.5	-4.0	-8.0	21.4	7.3	1.1	2.9	8.1
Marion	-23.4	-6.7	-1.8	-7.3	-10.2	25.2	6.0	0.4	5.6	11.0
Marshall	-20.2	-5.1	-5.5	-7.6	-4.0	21.9	4.4	3.8	7.9	3.9
Mills	-30.4	-9.1	-6.3	-5.9	-13.9	40.4	8.1	4.9	6.1	15.9
Mitchell	-18.9	-1.2	-8.4	-5.9	-4.7	20.7	0.9	8.1	5.6	4.7
Monona	-26.7	-11.7	-4.4	-3.2	-11.4	33.4	10.3	4.0	2.4	12.4
Monroe	-13.3	0.0	-2.7	-2.6	-8.4	13.0	-0.3	1.7	2.3	9.1
Montgomery	-21.5	-6.5	-5.7	-7.9	-3.8	24.5	5.8	4.6	8.1	3.6
Muscatine	-21.0	-2.4	-6.6	-9.0	-4.8	23.2	1.6	5.8	9.6	4.6
O'Brien	-22.5	-8.4	-5.7	-8.2	-2.9	26.9	7.6	5.4	8.3	2.7
Osceola	-18.6	-4.3	-5.2	-8.3	-2.3	20.4	4.0	4.4	8.5	2.1
Page	-21.6	-7.7	-4.9	-1.9	-9.5	24.7	6.9	4.0	1.3	10.2
Palo Alto	-22.7	-4.7	-6.3	-6.9	-7.3	26.8	4.2	5.5	7.0	7.5
Plymouth	-17.9	-5.0	-5.1	-5.9	-3.6	18.7	4.5	4.0	5.6	3.3
Pocahontas	-28.8	-10.7	-6.1	-10.8	-5.9	37.9	9.5	5.6	11.5	5.9
Polk	-25.2	-3.5	-9.2	-10.9	-4.3	21.7	1.7	5.2	8.9	4.4
Pottawattamie	-24.7	-2.8	-8.7	-11.0	-4.7	29.2	2.5	7.9	11.9	4.4
Poweshiek	-18.0	-5.0	-3.7	-4.4	-6.6	19.4	4.5	2.8	3.8	6.8
Ringgold	-18.4	-7.0	4.1	-5.2	-11.5	20.4	6.4	-4.8	5.0	12.8
Sac	-26.1	-10.2	-7.6	-8.7	-3.4	32.2	9.0	7.0	8.7	3.3
Scott	-27.4	-10.6	-5.1	-9.2	-6.8	33.0	9.1	3.3	9.1	7.3
Shelby	-25.5	-7.8	-7.6	-9.8	-3.6	32.1	7.0	7.2	10.4	3.7
Sioux	-14.1	-5.3	-4.3	-1.0	-4.5	14.5	4.8	3.7	0.4	4.7
Story	-24.6	-2.0	-9.6	-8.1	-7.5	28.4	1.6	9.0	7.8	7.6
Tama	-23.3	-8.8	-4.9	-4.0	-8.6	25.8	7.7	2.4	3.7	9.3
Taylor	-19.6	-1.3	-1.3	-9.1	-9.3	22.1	1.1	.5	9.5	9.8
Union	-18.4	-1.4	0.0	-6.5	-11.5	19.6	1.0	-1.6	6.8	12.7
Van Buren	-17.2	0.0	-1.2	-5.7	-11.1	17.2	-0.3	-0.9	5.6	12.3
Wapello	-21.2	-2.4	-6.7	-6.3	-7.7	23.7	2.1	5.4	6.1	8.3
Warren	-13.5	-1.6	-0.8	-5.8	-6.1	11.9	1.0	-0.6	5.0	6.2
Washington	-18.5	-3.6	-5.0	-3.2	-8.1	19.9	3.3	3.8	2.9	8.6
Wayne	-16.3	-2.6	1.3	-4.9	-10.9	17.1	2.3	-2.1	4.5	11.9
Webster	-28.9	-6.9	-10.0	-11.1	-4.9	37.5	6.3	9.8	11.7	5.0
Winnebago	-29.0	-7.6	-6.6	-9.5	-9.7	37.2	6.7	5.9	9.3	10.6
Winneshiek	-16.8	-6.5	-3.0	-1.2	-7.6	17.7	5.9	1.9	0.8	7.9
Woodbury	-19.3	-1.5	-3.5	-10.8	-4.8	20.8	1.3	1.8	11.7	4.9
Worth	-24.1	-7.6	0.0	-11.3	-8.0	28.6	6.8	-1.2	12.2	8.2
Wright	-29.4	-9.1	-6.7	-10.9	-7.3	39.1	8.2	6.1	11.9	7.6
State of Iowa	-21.1	-5.2	-4.7	-7.0	-6.5	23.6	4.4	3.8	6.8	6.5

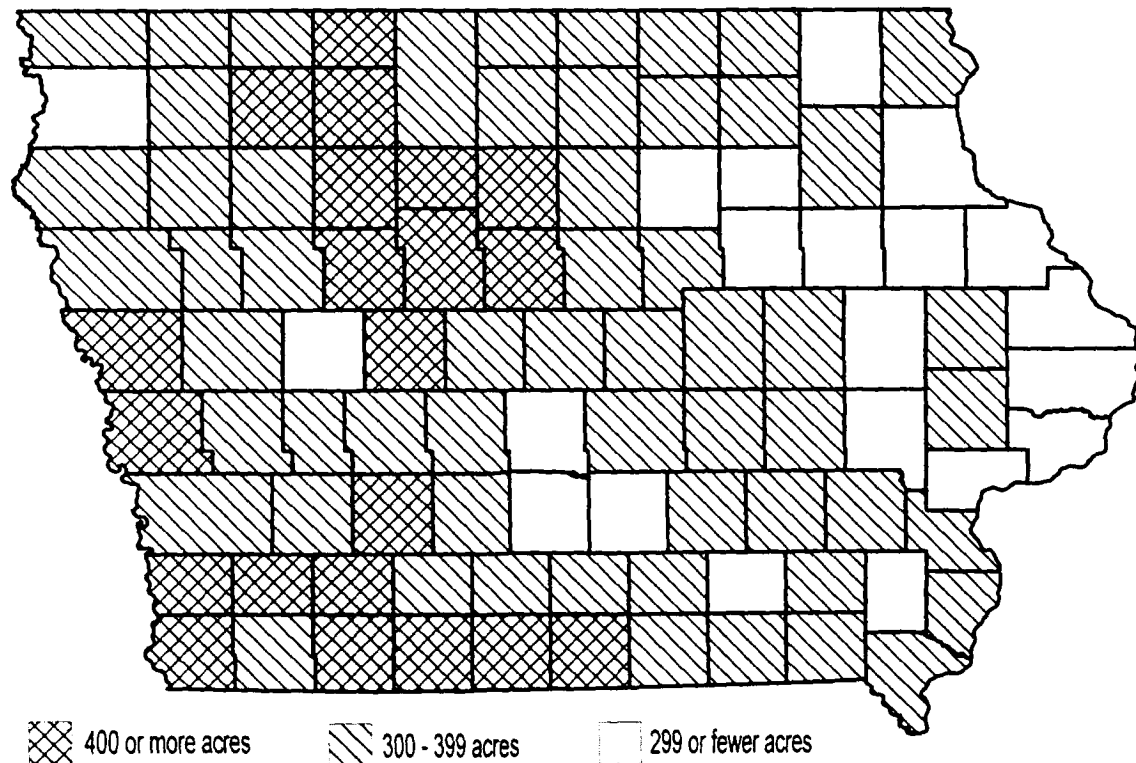
Nor were declines even across the state. Nineteen counties—most in or near urban areas—noted decreases of at least 10,000 acres between 1978 and 1998. Johnson (-20,700) and Polk (-23,900) dropped considerably more than others. Johnson was estimated to have lost 6.1 percent of its acres and Polk 9.1 percent across the 21 years. In 31 counties, less than 2.0 percent fewer acres were reported in 1998 than in 1978. Caution is urged in comparing data for one year with that for another, however; these estimates are not revised annually, as is evident when Table 2 is reviewed.

Change in Size of Farms

As the number of farms has declined, the average size has increased (Table 3). This occurred in all counties from 1978 to 1998. Only 11 counties gained fewer than 40 acres, while seven others added at least 120 acres to the average size between 1978 and 1998. On a short-term basis, of course, changes tend to be small. From 1993 to 1998, for example, only two counties changed by 40 or more acres in average size.

Average farm size increased by 23.6 percent from 1978 to 1998 (Table 4). In Clay, Grundy, Hamilton, and Mills, increases were greater than 40 percent, while they were less than 10 percent in Clayton, Decatur, Dubuque, and Jackson. In contrast to those extremes, 45 counties had gains in average farm size within five points of the figure for the state during the 1978-1998 period. Percentage gains for 47 counties were highest in the 1983-1988 period, although increases from 1978 to 1983 were greater in 40 others. Gains were greatest in five counties in 1988-1993, while average size of farms increased most between 1993 and 1998 in the remaining seven.

Figure 3. Estimated average farm size (in acres), 1998.



Value of Farm Land in Iowa's Counties: 1950, 1960, 1970, and 1980-1998

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A survey of the value of farm land is conducted annually under the auspices of the Iowa Agriculture and Home Economics Experiment Station at Iowa State University. Data are obtained from licensed real estate brokers, farm managers, rural appraisers, and selected others considered to be knowledgeable of land market conditions. Approximately 1,100 surveys are mailed each year; normally, 500-600 are completed. These data are used to estimate a state average and figures for regions in the state. County estimates are derived from these figures through a procedure that combines survey data with information obtained from the U.S. Census of Agriculture. The target date for which information is requested is November 1st each year. Caution is urged in examining the farm land value figures. These numbers are not exact; rather, they provide information on trends that are occurring in the land market.

Average farm land values increased from \$218 in 1950 to \$261 in 1960 and \$419 in 1970 (Table 1). Rapid gains occurred in the 1970s; the average was \$2,066 per acre in Iowa in 1980. After a slight increase from 1980 to 1981, the value fell to \$787 in 1986. Since that point, an acre of farm land in Iowa has increased steadily again to an average value of \$1,837 in 1997, although it dropped slightly to \$1,801 in 1998 (Figure 1).

The value of an acre of farm land varies considerably across Iowa. In 1998, for example, the value was less than \$1,500 in 24 counties, most of which were clustered in southern Iowa. In contrast, 39 counties averaged \$2,000 or more, although only Hamilton and Scott were above \$2,500. In 1950, when the average statewide was \$218 per acre, 14 counties were below \$150 while five were above \$300.

In percentage terms, the value of farm land in Iowa increased at a moderate rate in the 1950s (+19.7%), escalated in the 1960s (+60.5%), and rocketed upward in the 1970s (+393.1%), only to fall between 1980 and 1990 (-41.2%) (Table 2). That pattern was repeated in the counties, although the gains and declines were sharper in some than in others. In the 1950s, for example, the value of an average acre of farm land increased by less than 10 percent in 16 counties, while gains of at least 30 percent occurred in 15 others.

In the decade of great gain (the 1970s), farm land jumped in value by at least 450 percent in seven counties (Chickasaw, Floyd, Franklin, Hancock, Kossuth, Winnebago, Worth), most of which are in north-central Iowa. Although all counties gained by at least 300 percent, 20 increased by less than 350 percent. In contrast, all counties had lower farm land values in 1990 than in 1980. Nine (Cerro Gordo, Floyd, Fremont, Lee, Mills, Mitchell, Montgomery, Page, Worth) had percentage declines at least five points greater than that for the state (-41.2%). Five (Dickinson, Jefferson, Keokuk, Monona, Washington) had percentage declines in the 1980s that were five or more points less than that for Iowa.

Farm land values decreased in 71 counties from 1997 to 1998. These declines ranged from less than 1 percent in 13 counties to 4 percent or more in 22 others. No county experienced a 1997-1998 decrease as great as 5 percent, however. In dollars, the change ranged from gains exceeding \$25 per acre in 8 counties to declines of at least \$100 per acre in 13 others.

Inflation affects the changes reported in Tables 1 and 2. When farm land values were adjusted for inflation, the relatively small difference between the 1950 (\$1,438) and 1998 (\$1,801) figures was striking (Table 3, Figure 2). In 42 counties, the value of farm land was lower in 1990 than it was in 1950

Table 1. Per Acre Value (in \$s) of Farm Land in Iowa's Counties, 1950-1998.

County	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1970	1960	1950
Adair	1166	1179	1046	937	850	807	775	753	734	674	619	557	507	606	833	1035	1176	1367	1335	308	168	152
Adams	1171	1190	1070	957	884	832	800	781	769	715	667	578	519	612	835	1047	1156	1372	1312	291	170	159
Allamakee	1121	1096	968	854	813	732	749	735	770	697	611	532	483	592	856	1062	1143	1300	1227	233	145	115
Appanoose	798	799	714	615	568	560	556	526	502	455	423	373	351	421	581	747	891	1007	906	206	108	97
Audubon	1737	1784	1647	1441	1378	1275	1255	1222	1217	1149	1072	850	751	851	1164	1525	1608	1965	1937	394	249	227
Benton	2116	2188	2023	1693	1566	1464	1450	1416	1415	1316	1199	1004	915	1121	1649	1988	2101	2479	2404	506	323	268
Black Hawk	2296	2314	2128	1792	1654	1586	1532	1501	1515	1420	1330	1095	1010	1258	1867	2280	2432	2918	2812	553	347	257
Boone	2338	2453	2260	1858	1727	1590	1577	1540	1553	1435	1340	1094	987	1174	1762	2159	2272	2685	2592	545	341	283
Bremer	2029	1997	1814	1562	1451	1358	1322	1298	1324	1235	1108	931	861	1082	1588	1934	2078	2463	2259	420	267	193
Buchanan	2034	2015	1840	1576	1460	1382	1342	1317	1336	1248	1132	953	883	1112	1629	1949	2091	2479	2269	419	255	190
Buena Vista	2275	2380	2171	1861	1760	1695	1675	1648	1649	1576	1470	1129	974	1099	1590	2202	2257	2773	2738	522	355	311
Butler	2095	2117	1943	1646	1524	1447	1393	1371	1385	1309	1239	1013	921	1143	1696	2083	2217	2680	2566	478	304	231
Calhoun	2345	2458	2258	1881	1758	1724	1707	1672	1682	1572	1414	1132	1006	1179	1752	2266	2366	2833	2805	568	365	309
Carroll	2036	2125	1950	1665	1579	1571	1567	1529	1523	1439	1320	1014	891	994	1415	1962	2014	2450	2425	473	314	288
Cass	1530	1558	1406	1260	1169	1081	1040	1017	1006	939	873	748	668	782	1066	1341	1463	1751	1731	379	221	206
Cedar	2312	2340	2196	1906	1738	1645	1595	1560	1504	1418	1289	1184	1105	1443	2010	2273	2425	2792	2612	565	365	281
Cerro Gordo	2169	2185	2001	1709	1587	1503	1438	1421	1437	1372	1307	1063	957	1192	1764	2203	2342	2857	2735	503	312	230
Cherokee	1948	2026	1863	1606	1532	1451	1445	1409	1402	1329	1243	950	832	922	1290	1813	1862	2280	2309	452	295	260
Chickasaw	1653	1627	1476	1272	1183	1106	1079	1060	1082	1008	920	774	715	898	1317	1605	1725	2042	1876	341	207	159
Clarke	927	930	830	723	664	656	644	614	591	538	482	429	399	478	659	831	977	1114	1059	257	143	123
Clay	2117	2215	2020	1732	1638	1564	1546	1521	1521	1454	1348	1035	893	1007	1456	2002	2051	2519	2478	464	307	260
Clayton	1485	1452	1282	1131	1077	928	949	932	976	884	765	666	604	741	1072	1355	1458	1659	1583	328	216	169
Clinton	1864	1880	1739	1495	1374	1315	1292	1270	1246	1162	1073	985	918	1193	1673	1909	2050	2331	2163	428	265	204
Crawford	1731	1789	1656	1435	1378	1309	1299	1265	1260	1194	1124	868	763	852	1176	1601	1663	2041	2027	396	259	242
Dallas	1897	1977	1816	1523	1419	1296	1278	1248	1253	1161	1041	854	768	909	1332	1658	1757	2087	2061	429	266	236
Davis	1006	1001	915	814	751	694	680	648	627	579	544	475	440	536	746	917	1035	1202	1100	242	138	121
Decatur	757	757	677	583	538	540	536	507	485	439	392	347	326	391	540	684	817	922	837	197	113	99
Delaware	2110	2081	1869	1630	1531	1417	1421	1395	1432	1314	1194	1043	957	1195	1722	2077	2234	2565	2347	445	265	195
Des Moines	1747	1732	1605	1458	1345	1252	1219	1167	1137	1064	985	854	781	964	1349	1634	1763	2095	2007	445	257	197
Dickinson	1921	2011	1836	1573	1489	1434	1434	1400	1392	1319	1202	908	793	869	1236	1795	1823	2225	2139	396	256	230
Dubuque	1863	1829	1624	1428	1354	1251	1272	1250	1298	1180	1054	924	841	1040	1498	1867	2008	2285	2175	406	245	181
Emmet	2223	2327	2122	1819	1720	1612	1593	1567	1568	1499	1387	1065	919	1037	1500	2026	2076	2551	2486	454	294	246
Fayette	1847	1812	1623	1414	1330	1235	1232	1209	1250	1149	1046	895	820	1018	1483	1845	1984	2304	2133	391	231	168

Table 1. Per Acre Value (in \$s) of Farm Land in Iowa's Counties, 1950-1998 (continued).

County	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1970	1960	1950
Floyd	1950	1924	1769	1507	1387	1311	1250	1227	1238	1169	1119	924	862	1096	1618	1949	2093	2527	2387	351	278	202
Franklin	2216	2291	2092	1784	1672	1583	1522	1512	1532	1473	1389	1113	965	1167	1736	2198	2308	2837	2788	502	318	251
Fremont	1517	1539	1361	1239	1117	1076	1019	1000	983	909	839	760	683	816	1118	1370	1522	1793	1835	407	233	216
Greene	2039	2133	1964	1639	1536	1502	1492	1456	1462	1362	1244	995	890	1037	1526	1987	2077	2479	2444	514	324	279
Grundy	2416	2491	2294	1905	1766	1660	1628	1592	1606	1493	1403	1149	1047	1272	1899	2339	2477	2947	2833	562	346	270
Guthrie	1589	1638	1516	1306	1244	1130	1112	1084	1084	1017	939	754	671	775	1084	1373	1455	1763	1738	354	217	197
Hamilton	2526	2647	2429	2026	1892	1758	1727	1699	1717	1614	1498	1211	1068	1272	1904	2388	2505	3013	2900	566	351	295
Hancock	2226	2286	2086	1787	1673	1571	1508	1499	1519	1464	1375	1105	962	1173	1740	2209	2326	2865	2778	504	315	242
Hardin	2291	2401	2203	1838	1716	1616	1587	1562	1578	1484	1395	1127	994	1184	1772	2199	2306	2775	2688	512	320	265
Harrison	1527	1558	1427	1265	1196	1090	1060	1033	1026	964	882	728	647	748	1016	1298	1399	1694	1657	350	212	202
Henry	1681	1666	1545	1404	1295	1208	1176	1126	1098	1027	932	808	738	911	1276	1518	1638	1947	1830	410	254	205
Howard	1474	1451	1316	1134	1055	976	952	935	955	889	803	676	625	784	1150	1412	1517	1796	1645	305	191	149
Humboldt	2398	2510	2294	1940	1820	1709	1662	1648	1669	1595	1510	1208	1042	1243	1855	2399	2509	3069	3048	582	364	297
Ida	1940	2002	1855	1609	1547	1456	1443	1405	1401	1327	1247	965	848	949	1307	1770	1842	2262	2278	462	294	260
Iowa	1775	1798	1674	1475	1365	1258	1230	1189	1179	1103	1013	855	773	947	1364	1609	1684	2018	1953	430	283	242
Jackson	1607	1599	1449	1260	1176	1107	1107	1088	1099	1012	940	843	776	983	1398	1670	1795	2041	1912	369	222	168
Jasper	1845	1856	1726	1536	1420	1319	1288	1242	1225	1146	1078	916	831	1021	1458	1720	1816	2171	2060	447	285	242
Jefferson	1293	1282	1189	1080	997	927	903	864	842	789	700	606	554	684	958	1107	1195	1420	1303	288	177	154
Johnson	2197	2195	2059	1849	1697	1544	1496	1449	1409	1329	1228	1089	1000	1275	1783	2039	2148	2539	2365	510	324	260
Jones	1773	1784	1644	1416	1305	1224	1206	1185	1170	1088	980	895	832	1076	1513	1732	1860	2116	1985	395	253	200
Keokuk	1553	1536	1439	1329	1226	1168	1131	1087	1065	1005	885	763	691	861	1210	1380	1438	1740	1611	360	241	211
Kossuth	2325	2431	2213	1899	1792	1650	1594	1590	1612	1563	1447	1143	966	1146	1700	2206	2296	2852	2804	499	322	262
Lee	1515	1508	1376	1222	1128	1036	1016	968	936	865	814	711	657	802	1116	1396	1577	1831	1740	391	223	177
Linn	2252	2288	2136	1834	1678	1579	1537	1506	1465	1375	1254	1135	1056	1367	1923	2203	2351	2710	2492	510	323	261
Louisa	1953	1952	1831	1642	1506	1447	1402	1358	1320	1246	1108	984	904	1153	1612	1842	1942	2293	2108	445	270	218
Lucas	854	855	764	658	608	612	607	574	549	497	459	406	382	457	632	787	939	1061	980	229	126	110
Lyon	1911	2000	1827	1565	1482	1437	1437	1403	1395	1322	1235	933	814	892	1270	1869	1897	2316	2325	447	296	265
Madison	1384	1409	1257	1113	1013	983	946	921	905	834	718	637	577	689	960	1193	1333	1559	1482	327	181	167
Mahaska	1585	1572	1457	1324	1222	1153	1122	1075	1047	979	859	745	681	841	1177	1401	1512	1797	1689	386	240	205
Marion	1491	1485	1354	1200	1108	1058	1039	989	955	881	808	706	654	797	1108	1363	1545	1790	1695	390	224	186
Marshall	1996	2058	1906	1623	1505	1410	1388	1349	1349	1254	1170	971	877	1059	1557	1865	1957	2329	2232	473	303	260
Mills	1595	1618	1431	1302	1174	1091	1033	1014	997	922	862	781	702	838	1148	1438	1598	1881	1884	418	234	220
Mitchell	1855	1831	1683	1434	1319	1250	1191	1169	1180	1114	1057	888	829	1054	1555	1889	2028	2449	2319	426	265	191

Table 1. Per Acre Value (in \$s) of Farm Land in Iowa's Counties, 1950-1998 (continued).

County	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1970	1960	1950
Monona	1433	1468	1371	1198	1162	1065	1050	1020	1019	965	912	715	632	715	966	1233	1302	1605	1560	320	198	186
Monroe	1010	1004	920	821	758	715	701	668	647	599	530	462	427	522	727	879	982	1146	1062	240	146	130
Montgomery	1404	1425	1259	1146	1034	993	940	922	907	838	789	716	643	768	1052	1318	1464	1724	1751	411	232	221
Muscatine	2119	2139	2007	1755	1603	1498	1452	1417	1369	1290	1169	1065	990	1287	1793	2052	2183	2528	2311	493	307	244
O'Brien	2409	2522	2303	1973	1868	1807	1808	1766	1755	1663	1555	1175	1026	1124	1599	2310	2345	2863	2810	523	346	302
Osceola	2097	2196	2005	1717	1627	1578	1579	1542	1532	1452	1357	1025	895	981	1396	2011	2042	2493	2475	464	302	263
Page	1249	1267	1120	1020	919	887	840	824	811	749	706	640	575	687	941	1220	1355	1595	1626	392	226	216
Palo Alto	2144	2242	2042	1752	1655	1540	1503	1490	1501	1446	1333	1040	887	1029	1510	1968	2033	2514	2511	465	303	249
Plymouth	1975	2038	1888	1638	1576	1415	1404	1367	1362	1290	1224	947	833	932	1283	1736	1806	2218	2254	459	288	253
Pocahontas	2329	2437	2224	1893	1781	1684	1641	1627	1644	1577	1464	1159	995	1173	1738	2272	2364	2905	2891	560	373	311
Polk	2012	2081	1916	1612	1495	1427	1410	1369	1367	1265	1177	977	886	1063	1565	1967	2097	2473	2400	513	312	270
Pottawattamie	1628	1656	1490	1339	1236	1138	1093	1069	1057	984	909	786	702	825	1126	1433	1568	1872	1848	410	238	224
Poweshiek	1779	1798	1674	1483	1371	1258	1228	1187	1175	1101	1027	868	785	963	1385	1620	1695	2033	1959	425	268	240
Ringgold	878	883	786	692	633	626	610	586	566	517	471	420	388	465	640	806	937	1075	1001	240	137	127
Sac	2125	2217	2035	1738	1648	1639	1635	1595	1589	1501	1377	1058	930	1037	1476	2052	2107	2564	2543	496	327	294
Scott	2859	2913	2735	2332	2119	2017	1956	1923	1845	1739	1566	1463	1376	1820	2528	2856	3064	3484	3207	664	423	330
Shelby	1650	1685	1546	1369	1298	1186	1156	1126	1120	1052	996	816	725	835	1133	1486	1595	1937	1980	430	261	236
Sioux	2144	2230	2050	1766	1685	1562	1556	1517	1510	1431	1346	1028	900	996	1396	1966	2018	2470	2506	503	324	287
Story	2415	2525	2328	1928	1792	1654	1638	1598	1608	1488	1379	1129	1019	1216	1818	2239	2355	2788	2691	552	339	282
Tama	1927	1983	1833	1549	1436	1330	1306	1272	1275	1186	1105	913	828	1004	1483	1806	1903	2266	2192	456	290	245
Taylor	1006	1016	901	806	732	712	685	664	647	594	544	489	446	533	732	910	1037	1203	1161	279	159	147
Union	1066	1072	955	840	768	751	732	702	678	619	566	505	466	558	769	978	1138	1304	1255	309	172	149
Van Buren	1130	1124	1027	915	844	773	758	723	699	647	598	522	483	589	821	993	1117	1300	1202	274	156	135
Wapello	1175	1165	1080	983	907	833	811	777	757	708	632	548	500	618	865	1021	1101	1309	1218	268	167	147
Warren	1500	1522	1370	1175	1083	1050	1035	992	966	882	793	688	636	761	1072	1384	1584	1820	1667	384	213	181
Washington	2031	2008	1882	1737	1603	1501	1454	1397	1368	1291	1151	992	899	1120	1574	1785	1860	2251	2079	466	314	261
Wayne	839	840	751	646	597	607	602	570	544	493	454	401	377	452	624	800	955	1079	976	225	124	110
Webster	2473	2592	2379	1983	1852	1721	1691	1664	1681	1580	1460	1180	1041	1240	1856	2354	2470	2969	2878	571	357	294
Winnebago	2033	2087	1905	1632	1527	1446	1389	1380	1399	1347	1246	1001	872	1063	1578	2020	2126	2619	2574	454	282	221
Winneshiek	1477	1449	1298	1131	1064	976	974	956	989	908	820	701	642	797	1161	1444	1553	1803	1670	318	199	156
Woodbury	1587	1628	1517	1324	1282	1168	1153	1121	1119	1060	1002	783	691	781	1059	1390	1463	1802	1759	350	224	209
Worth	2011	2025	1854	1584	1471	1402	1341	1325	1340	1279	1187	966	871	1084	1604	1998	2124	2590	2503	444	275	207
Wright	2489	2604	2380	2014	1890	1763	1714	1700	1722	1646	1529	1224	1055	1259	1878	2401	2511	3072	2921	554	348	292
State of Iowa	1801	1837	1682	1455	1356	1295	1249	1219	1214	1139	1054	875	787	948	1357	1691	1801	2147	2066	419	261	218

Table 2. Percentage Change in Per Acre Value of Farm Land by Selected Periods in Iowa's Counties, 1950-1998.

County	1990- 1998	1980- 1990	1970- 1980	1960- 1970	1950- 1960	County	1990- 1998	1980- 1990	1970- 1980	1960- 1970	1950- 1960
Adair	58.9	-45.0	333.4	83.3	10.5	Jefferson	53.6	-35.4	352.4	62.7	14.9
Adams	52.3	-41.4	350.9	71.2	6.9	Johnson	55.9	-40.4	363.7	57.4	24.6
Allamakee	45.6	-37.5	426.6	60.7	26.1	Jones	51.5	-41.1	402.5	56.1	26.5
Appanoose	59.0	-44.6	339.8	90.7	11.3	Keokuk	45.8	-33.9	347.5	49.4	14.2
Audubon	42.7	-37.2	391.6	58.2	9.7	Kossuth	44.2	-42.5	461.9	55.0	22.9
Benton	49.5	-41.1	375.1	56.7	20.5	Lee	61.9	-46.2	345.0	75.3	26.0
Black Hawk	51.6	-46.1	408.5	59.4	35.0	Linn	53.7	-41.2	388.6	57.9	23.8
Boone	50.5	-40.1	375.6	59.8	20.5	Louisa	48.0	-37.4	373.7	64.8	23.8
Bremer	53.2	-41.4	437.9	57.3	38.3	Lucas	55.6	-44.0	328.0	81.8	14.6
Buchanan	52.2	-41.1	441.5	64.3	34.2	Lyon	37.0	-40.0	420.1	51.0	11.7
Buena Vista	38.0	-39.7	424.5	47.0	14.2	Madison	52.9	-38.9	353.2	80.7	8.4
Butler	51.3	-46.0	436.8	57.2	31.6	Mahaska	51.4	-38.0	337.6	60.8	17.1
Calhoun	39.4	-40.0	393.8	55.6	18.1	Marion	56.1	-43.7	334.6	74.1	20.4
Carroll	33.7	-37.2	412.7	50.6	9.0	Marshall	48.0	-39.6	371.9	56.1	16.5
Cass	52.1	-41.9	356.7	71.5	7.3	Mills	60.0	-47.1	350.7	78.6	6.4
Cedar	53.7	-42.4	362.3	54.8	29.9	Mitchell	57.2	-49.1	444.4	60.8	38.7
Cerro Gordo	50.9	-47.5	443.7	61.2	35.6	Monona	40.6	-34.7	387.5	61.6	6.4
Cherokee	38.9	-39.3	410.8	53.2	13.5	Monroe	56.1	-39.1	342.5	64.4	12.3
Chickasaw	52.8	-42.3	450.2	64.7	30.2	Montgomery	54.8	-48.2	326.0	77.2	5.0
Clarke	56.9	-44.2	312.1	79.7	16.3	Muscatine	54.8	-40.8	368.8	60.6	25.8
Clay	39.2	-38.6	434.0	51.1	18.1	O'Brien	37.3	-37.5	437.3	51.2	14.6
Clayton	52.2	-38.3	382.6	51.8	27.8	Osceola	36.9	-38.1	433.4	53.6	14.8
Clinton	49.6	-42.4	405.4	61.5	29.9	Page	54.0	-50.1	314.8	73.4	4.6
Crawford	37.4	-37.8	411.9	52.9	7.0	Palo Alto	42.8	-40.2	440.0	53.5	21.7
Dallas	51.4	-39.2	380.4	61.3	12.7	Plymouth	45.0	-39.6	391.1	59.4	13.8
Davis	60.4	-43.0	354.6	75.4	14.0	Pocahontas	41.7	-43.1	416.2	50.1	19.9
Decatur	56.1	-42.0	324.9	74.3	14.1	Polk	47.2	-43.0	367.8	64.4	15.6
Delaware	47.3	-39.0	427.4	67.9	35.9	Pottawattamie	54.0	-42.8	350.7	72.3	6.2
Des Moines	53.6	-43.4	351.0	73.2	30.5	Poweshiek	51.4	-40.0	360.9	58.6	11.7
Dickinson	38.0	-34.9	440.2	54.7	11.3	Ringgold	55.1	-43.5	317.1	75.2	7.9
Dubuque	43.5	-40.3	435.7	65.7	35.4	Sac	33.7	-37.5	412.7	51.7	11.2
Emmet	41.8	-36.9	447.6	54.4	19.5	Scott	55.0	-42.5	383.0	57.0	28.7
Fayette	47.8	-41.4	445.5	69.3	37.5	Shelby	47.3	-43.4	360.5	64.8	10.6
Floyd	57.5	-48.1	580.1	26.3	37.6	Sioux	42.0	-39.7	398.2	55.2	12.9
Franklin	44.6	-45.0	455.4	57.9	26.7	Story	50.2	-40.2	387.5	62.8	20.2
Fremont	54.3	-46.4	350.9	74.7	7.9	Tama	51.1	-41.8	380.7	57.2	18.4
Greene	39.5	-40.2	375.5	58.6	16.1	Taylor	55.5	-44.3	316.1	75.5	8.2
Grundy	50.4	-43.3	404.1	62.4	28.2	Union	57.2	-46.0	306.2	79.6	15.4
Guthrie	46.6	-37.6	391.0	63.1	10.2	Van Buren	61.7	-41.8	338.7	75.6	15.6
Hamilton	47.1	-40.8	412.4	61.2	19.0	Wapello	55.2	-37.8	354.5	60.5	13.6
Hancock	46.5	-45.3	451.2	60.0	30.2	Warren	55.3	-42.0	334.1	80.3	17.7
Hardin	45.2	-41.3	425.0	60.0	20.8	Washington	48.5	-34.2	346.1	48.4	20.3
Harrison	48.8	-38.1	373.4	65.1	5.0	Wayne	54.2	-44.3	333.8	81.4	12.7
Henry	53.1	-40.0	346.3	61.4	23.9	Webster	47.1	-41.6	404.0	59.9	21.4
Howard	54.3	-42.0	439.3	59.7	28.2	Winnebago	45.3	-45.6	467.0	61.0	27.6
Humboldt	43.7	-45.2	423.7	59.9	22.6	Winneshiek	49.3	-40.8	425.2	59.8	27.6
Ida	38.5	-38.5	393.1	57.1	13.1	Woodbury	41.8	-36.4	402.6	56.2	7.2
Iowa	50.6	-39.6	354.2	51.9	16.9	Worth	50.1	-46.5	463.7	61.4	32.8
Jackson	46.2	-42.5	418.2	66.2	32.1	Wright	44.5	-41.0	427.3	59.2	19.2
Jasper	50.6	-40.5	360.8	56.8	17.8						
						State of Iowa	48.4	-41.2	393.1	60.5	19.7

Table 3. Adjusted Per Acre Value (in 1998 \$s) of Farm Land in Iowa's Counties, 1950-1998.

County	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1970	1960	1950
Adair	1166	1195	1084	999	932	907	896	896	908	878	845	791	746	905	1288	1655	1938	2388	2571	1260	902	1003
Adams	1171	1206	1108	1020	969	935	925	929	951	931	911	821	763	914	1291	1674	1905	2396	2526	1190	913	1049
Allamakee	1121	1111	1003	910	891	823	866	874	953	908	834	755	710	884	1324	1698	1884	2271	2363	953	778	759
Appanoose	798	810	740	656	623	629	643	626	621	593	577	530	516	629	898	1195	1468	1759	1745	842	580	640
Audubon	1737	1808	1706	1536	1511	1433	1450	1453	1506	1496	1463	1207	1104	1271	1800	2439	2650	3432	3730	1611	1337	1497
Benton	2116	2217	2096	1805	1717	1646	1676	1684	1751	1714	1637	1425	1346	1674	2550	3179	3462	4330	4629	2069	1734	1768
Black Hawk	2296	2345	2204	1911	1813	1783	1771	1785	1874	1849	1816	1555	1485	1879	2887	3646	4008	5097	5415	2261	1863	1695
Boone	2338	2486	2341	1981	1893	1787	1823	1832	1921	1869	1829	1553	1452	1753	2724	3453	3744	4690	4991	2229	1830	1867
Bremer	2029	2024	1879	1665	1591	1527	1528	1544	1638	1608	1513	1322	1266	1616	2455	3093	3424	4302	4350	1718	1433	1273
Buchanan	2034	2042	1906	1680	1601	1553	1551	1566	1653	1625	1545	1353	1299	1660	2519	3117	3446	4330	4369	1713	1369	1253
Buena Vista	2275	2412	2249	1984	1930	1905	1936	1960	2040	2052	2007	1603	1432	1641	2458	3521	3719	4843	5272	2135	1906	2051
Butler	2095	2145	2013	1755	1671	1627	1610	1631	1714	1705	1691	1438	1354	1707	2622	3331	3654	4681	4941	1955	1632	1524
Calhoun	2345	2491	2339	2005	1927	1938	1973	1989	2081	2047	1930	1607	1479	1761	2709	3624	3899	4948	5401	2323	1959	2038
Carroll	2036	2154	2020	1775	1731	1766	1811	1818	1884	1874	1802	1440	1310	1484	2188	3138	3319	4279	4669	1934	1686	1900
Cass	1530	1579	1457	1343	1282	1215	1202	1210	1245	1223	1192	1062	982	1168	1648	2145	2411	3058	3333	1550	1186	1359
Cedar	2312	2371	2275	2032	1905	1849	1843	1855	1861	1847	1760	1681	1625	2155	3108	3635	3996	4877	5029	2311	1959	1854
Cerro Gordo	2169	2214	2073	1822	1740	1689	1662	1690	1778	1787	1784	1509	1407	1780	2727	3523	3860	4990	5266	2057	1675	1517
Cherokee	1948	2053	1930	1712	1680	1631	1670	1676	1735	1731	1697	1349	1224	1377	1995	2899	3068	3982	4446	1848	1584	1715
Chickasaw	1653	1649	1529	1356	1297	1243	1247	1261	1339	1313	1256	1099	1051	1341	2036	2567	2843	3567	3612	1394	1111	1049
Clarke	927	942	860	771	728	737	744	730	731	701	658	609	587	714	1019	1329	1610	1946	2039	1051	768	811
Clay	2117	2245	2093	1847	1796	1758	1787	1809	1882	1894	1840	1469	1313	1504	2251	3202	3380	4400	4771	1897	1648	1715
Clayton	1485	1471	1328	1206	1181	1043	1097	1108	1208	1151	1044	946	888	1106	1657	2167	2403	2898	3048	1341	1159	1115
Clinton	1864	1905	1801	1594	1506	1478	1493	1510	1542	1513	1465	1398	1350	1781	2587	3053	3378	4071	4165	1750	1423	1346
Crawford	1731	1813	1716	1530	1511	1471	1501	1504	1559	1555	1534	1232	1122	1272	1818	2560	2741	3565	3903	1619	1390	1596
Dallas	1897	2004	1881	1624	1556	1457	1477	1484	1550	1512	1421	1212	1129	1357	2059	2651	2895	3645	3968	1754	1428	1557
Davis	1006	1014	948	868	823	780	786	771	776	754	743	674	647	800	1153	1466	1706	2099	2118	990	741	798
Decatur	757	767	701	622	590	607	619	603	600	572	535	493	479	584	835	1094	1346	1610	1612	806	607	653
Delaware	2110	2109	1936	1738	1679	1593	1642	1659	1772	1711	1630	1481	1407	1784	2662	3322	3682	4480	4519	1820	1423	1286
Des Moines	1747	1755	1663	1554	1475	1407	1409	1388	1407	1386	1345	1212	1149	1439	2086	2613	2905	3659	3864	1820	1380	1299
Dickinson	1921	2038	1902	1677	1632	1612	1657	1665	1722	1718	1641	1289	1166	1298	1911	2871	3004	3886	4119	1619	1374	1517
Dubuque	1863	1854	1682	1522	1484	1406	1470	1487	1606	1537	1439	1312	1237	1553	2316	2986	3309	3991	4188	1660	1315	1194
Emmet	2223	2358	2198	1939	1886	1812	1841	1864	1940	1952	1893	1512	1352	1548	2319	3240	3421	4456	4787	1857	1578	1623
Fayette	1847	1836	1681	1508	1458	1388	1424	1438	1547	1496	1428	1271	1206	1520	2293	2951	3270	4024	4107	1599	1240	1108

Table 3. Adjusted Per Acre Value (in 1998 \$s) of Farm Land in Iowa's Counties, 1950-1998 (continued).

County	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1970	1960	1950
Floyd	1950	1950	1833	1607	1521	1474	1445	1459	1532	1522	1528	1312	1268	1637	2502	3117	3449	4414	4596	1435	1492	1332
Franklin	2216	2322	2167	1902	1833	1779	1759	1798	1895	1918	1896	1580	1419	1743	2684	3515	3803	4955	5368	2053	1707	1656
Fremont	1517	1560	1410	1321	1225	1210	1178	1189	1216	1184	1145	1079	1004	1218	1729	2191	2508	3132	3533	1664	1251	1425
Greene	2039	2162	2035	1747	1684	1688	1724	1732	1809	1774	1698	1413	1309	1548	2359	3178	3423	4330	4706	2102	1739	1840
Grundy	2416	2524	2376	2031	1936	1866	1882	1893	1987	1944	1915	1631	1540	1899	2936	3741	4082	5147	5455	2298	1857	1781
Guthrie	1589	1660	1570	1392	1364	1270	1285	1289	1341	1324	1282	1070	987	1157	1676	2196	2398	3079	3347	1448	1165	1299
Hamilton	2526	2683	2516	2160	2074	1976	1996	2021	2124	2102	2045	1719	1571	1899	2944	3819	4128	5263	5584	2315	1884	1946
Hancock	2226	2317	2161	1905	1834	1766	1743	1783	1879	1907	1877	1569	1415	1752	2690	3533	3833	5004	5349	2061	1691	1596
Hardin	2291	2433	2282	1960	1881	1817	1834	1858	1952	1933	1904	1600	1462	1768	2740	3517	3800	4847	5176	2094	1718	1748
Harrison	1527	1579	1478	1349	1311	1225	1225	1229	1269	1255	1204	1034	951	1117	1571	2076	2305	2959	3191	1431	1138	1332
Henry	1681	1688	1601	1497	1420	1358	1359	1339	1359	1337	1272	1147	1085	1360	1973	2428	2699	3401	3524	1677	1363	1352
Howard	1474	1470	1363	1209	1157	1097	1100	1112	1182	1158	1096	960	919	1171	1778	2258	2500	3137	3167	1247	1025	983
Humboldt	2398	2544	2376	2068	1995	1921	1921	1960	2065	2077	2061	1715	1532	1856	2868	3836	4135	5360	5869	2380	1954	1959
Ida	1940	2029	1922	1715	1696	1637	1668	1671	1733	1728	1702	1370	1247	1417	2021	2831	3036	3951	4386	1889	1578	1715
Iowa	1775	1822	1734	1573	1497	1414	1422	1414	1459	1436	1383	1214	1137	1414	2109	2573	2775	3525	3761	1758	1519	1596
Jackson	1607	1620	1501	1343	1289	1244	1279	1294	1360	1318	1283	1197	1141	1468	2162	2671	2958	3565	3682	1509	1192	1108
Jasper	1845	1881	1788	1638	1557	1483	1489	1477	1516	1492	1472	1300	1222	1525	2254	2751	2993	3792	3967	1828	1530	1596
Jefferson	1293	1299	1232	1151	1093	1042	1044	1028	1042	1028	956	860	815	1021	1481	1770	1969	2480	2509	1178	950	1016
Johnson	2197	2224	2133	1971	1861	1736	1729	1723	1743	1731	1676	1546	1471	1904	2757	3261	3540	4435	4554	2086	1739	1715
Jones	1773	1808	1703	1510	1431	1376	1394	1409	1448	1417	1338	1271	1224	1607	2339	2770	3065	3696	3822	1615	1358	1319
Keokuk	1553	1557	1491	1417	1344	1313	1307	1293	1318	1309	1208	1083	1016	1286	1871	2207	2370	3039	3102	1472	1294	1392
Kossuth	2325	2464	2293	2025	1965	1855	1842	1891	1994	2035	1975	1623	1421	1711	2628	3528	3784	4981	5399	2041	1728	1728
Lee	1515	1528	1425	1303	1237	1165	1174	1151	1158	1126	1111	1009	966	1198	1726	2232	2599	3198	3350	1599	1197	1168
Linn	2252	2319	2213	1955	1840	1775	1776	1791	1813	1791	1712	1611	1553	2041	2973	3523	3874	4733	4798	2086	1734	1722
Louisa	1953	1978	1897	1751	1651	1627	1620	1615	1633	1623	1513	1397	1329	1722	2492	2946	3200	4005	4059	1820	1449	1438
Lucas	854	866	791	702	667	688	702	683	679	647	627	576	562	682	977	1259	1547	1853	1887	936	676	726
Lyon	1911	2027	1893	1668	1625	1615	1661	1669	1726	1722	1686	1325	1197	1332	1964	2989	3126	4045	4477	1828	1589	1748
Madison	1384	1428	1302	1187	1111	1105	1093	1095	1120	1086	980	904	849	1029	1484	1908	2197	2723	2854	1337	972	1102
Mahaska	1585	1593	1509	1412	1340	1296	1297	1278	1295	1275	1173	1058	1001	1256	1820	2240	2492	3139	3252	1579	1288	1352
Marion	1491	1505	1403	1279	1215	1189	1201	1176	1182	1147	1103	1002	962	1190	1713	2180	2546	3126	3264	1595	1202	1227
Marshall	1996	2086	1975	1730	1650	1585	1604	1604	1669	1633	1597	1379	1290	1581	2407	2982	3225	4068	4298	1934	1626	1715
Mills	1595	1640	1482	1388	1287	1226	1194	1206	1234	1201	1177	1109	1032	1251	1775	2300	2633	3285	3628	1709	1256	1451
Mitchell	1855	1856	1743	1529	1446	1405	1377	1390	1460	1451	1443	1261	1219	1574	2404	3021	3342	4277	4465	1742	1423	1260

Table 3. Adjusted Per Acre Value (in 1998 \$s) of Farm Land in Iowa's Counties, 1950-1998 (continued).

County	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1970	1960	1950
Monona	1433	1488	1420	1277	1274	1197	1214	1213	1261	1257	1245	1015	929	1068	1494	1972	2146	2803	3004	1309	1063	1227
Monroe	1010	1017	953	875	831	804	810	794	801	780	724	656	628	779	1124	1406	1618	2002	2045	981	784	858
Montgomery	1404	1444	1304	1222	1134	1116	1086	1097	1122	1091	1077	1017	946	1147	1627	2108	2413	3011	3372	1681	1245	1458
Muscatine	2119	2168	2079	1871	1757	1684	1678	1685	1694	1680	1596	1512	1456	1922	2772	3282	3597	4415	4450	2016	1648	1610
O'Brien	2409	2556	2386	2103	2048	2031	2090	2100	2171	2166	2123	1668	1509	1678	2472	3694	3864	5001	5411	2139	1857	1992
Osceola	2097	2225	2077	1831	1784	1774	1825	1834	1895	1891	1852	1455	1316	1465	2158	3216	3365	4354	4766	1897	1621	1735
Page	1249	1284	1160	1087	1008	997	971	980	1003	975	964	909	846	1026	1455	1951	2233	2786	3131	1603	1213	1425
Palo Alto	2144	2272	2115	1868	1814	1731	1737	1772	1857	1883	1820	1476	1304	1537	2335	3147	3350	4391	4835	1902	1626	1643
Plymouth	1975	2065	1956	1746	1728	1591	1623	1626	1685	1680	1671	1344	1225	1392	1984	2776	2976	3874	4340	1877	1546	1669
Pocahontas	2329	2470	2304	2018	1953	1893	1897	1935	2034	2054	1999	1645	1463	1752	2687	3633	3896	5074	5567	2290	2002	2051
Polk	2012	2109	1985	1719	1639	1604	1630	1628	1691	1647	1607	1387	1303	1587	2420	3146	3456	4319	4621	2098	1675	1781
Pottawattamie	1628	1678	1544	1428	1355	1279	1263	1271	1308	1281	1241	1116	1032	1232	1741	2292	2584	3270	3558	1677	1278	1478
Poweshiek	1779	1822	1734	1581	1503	1414	1419	1412	1454	1434	1402	1232	1154	1438	2141	2591	2793	3551	3772	1738	1439	1583
Ringgold	878	895	814	738	694	704	705	697	700	673	643	596	571	694	990	1289	1544	1878	1927	981	735	838
Sac	2125	2247	2108	1853	1807	1842	1890	1897	1966	1955	1880	1502	1368	1548	2282	3282	3472	4478	4897	2028	1755	1939
Scott	2859	2952	2833	2486	2323	2267	2261	2287	2283	2265	2138	2077	2024	2718	3909	4567	5049	6085	6175	2715	2271	2177
Shelby	1650	1708	1602	1460	1423	1333	1336	1339	1386	1370	1360	1158	1066	1247	1752	2376	2628	3383	3813	1758	1401	1557
Sioux	2144	2260	2124	1883	1847	1756	1798	1804	1868	1864	1837	1459	1324	1487	2158	3144	3326	4314	4825	2057	1739	1893
Story	2415	2559	2412	2055	1965	1859	1893	1900	1990	1938	1882	1603	1499	1816	2811	3581	3881	4870	5182	2257	1820	1860
Tama	1927	2010	1899	1651	1574	1495	1509	1513	1577	1545	1508	1296	1218	1499	2293	2888	3136	3958	4221	1865	1557	1616
Taylor	1006	1030	933	859	803	800	792	790	801	774	743	694	656	796	1132	1455	1709	2101	2236	1141	854	970
Union	1066	1086	989	896	842	844	846	835	839	806	773	717	685	833	1189	1564	1875	2278	2417	1264	923	983
Van Buren	1130	1139	1064	976	925	869	876	860	865	843	816	741	710	880	1269	1588	1841	2271	2314	1121	837	891
Wapello	1175	1181	1119	1048	994	936	937	924	937	922	863	778	735	923	1337	1633	1814	2286	2345	1096	896	970
Warren	1500	1542	1419	1253	1187	1180	1196	1180	1195	1149	1083	977	935	1136	1657	2213	2610	3179	3210	1570	1143	1194
Washington	2031	2035	1950	1852	1757	1687	1680	1661	1693	1681	1571	1408	1322	1672	2434	2855	3065	3932	4003	1906	1686	1722
Wayne	839	851	778	689	655	682	696	678	673	642	620	569	554	675	965	1279	1574	1885	1879	920	666	726
Webster	2473	2627	2465	2114	2030	1935	1954	1979	2080	2058	1993	1675	1531	1852	2870	3765	4070	5186	5542	2335	1916	1939
Winnebago	2033	2115	1973	1740	1674	1625	1605	1641	1731	1754	1701	1421	1282	1587	2440	3230	3504	4574	4956	1857	1514	1458
Winneshiek	1477	1468	1345	1206	1167	1097	1126	1137	1224	1182	1119	995	944	1190	1795	2309	2559	3149	3216	1300	1068	1029
Woodbury	1587	1650	1572	1412	1406	1313	1333	1333	1384	1380	1368	1112	1016	1166	1637	2223	2411	3147	3387	1431	1202	1379
Worth	2011	2052	1921	1689	1613	1576	1550	1576	1658	1666	1620	1371	1281	1619	2480	3195	3500	4524	4820	1816	1476	1365
Wright	2489	2639	2466	2147	2072	1982	1981	2022	2131	2144	2087	1738	1552	1880	2904	3840	4138	5366	5624	2266	1868	1926
State of Iowa	1801	1862	1742	1551	1487	1456	1444	1450	1502	1483	1439	1242	1157	1416	2098	2704	2968	3750	3978	1713	1401	1438

Table 4. Percentage Change Based on Adjusted Per Acre Value (in 1998 \$\$) of Farm Land by Selected Periods in Iowa's Counties, 1950-1998.

County	1990- 1998	1980- 1990	1970- 1980	1960- 1970	1950- 1960	County	1990- 1998	1980- 1990	1970- 1980	1960- 1970	1950- 1960
Adair	28.4	-64.7	104.1	39.7	-10.1	Jefferson	24.1	-58.5	113.0	24.0	-6.5
Adams	23.1	-62.3	112.3	30.4	-13.0	Johnson	26.0	-61.7	118.3	19.9	1.4
Allamakee	17.7	-59.7	148.0	22.4	2.6	Jones	22.5	-62.1	136.6	18.9	2.9
Appanoose	28.5	-64.4	107.1	45.3	-9.4	Keokuk	17.9	-57.5	110.7	13.8	-7.1
Audubon	15.4	-59.6	131.5	20.5	-10.7	Kossuth	16.6	-63.1	164.6	18.1	.0
Benton	20.9	-62.2	123.7	19.3	-1.9	Lee	30.8	-65.4	109.5	33.6	2.5
Black Hawk	22.5	-65.4	139.4	21.4	9.9	Linn	24.2	-62.2	130.1	20.3	.7
Boone	21.7	-61.5	123.9	21.8	-1.9	Louisa	19.6	-59.8	123.0	25.6	.8
Bremer	23.9	-62.3	153.3	19.8	12.6	Lucas	25.7	-64.0	101.5	38.5	-6.8
Buchanan	23.1	-62.2	155.0	25.2	9.2	Lyon	10.7	-61.4	144.9	15.0	-9.1
Buena Vista	11.5	-61.3	147.0	12.0	-7.1	Madison	23.6	-60.8	113.4	37.6	-11.8
Butler	22.3	-65.3	152.8	19.8	7.1	Mahaska	22.4	-60.2	106.0	22.5	-4.7
Calhoun	12.7	-61.5	132.5	18.6	-3.9	Marion	26.2	-63.8	104.6	32.6	-2.0
Carroll	8.0	-59.6	141.4	14.8	-11.3	Marshall	19.6	-61.2	122.2	18.9	-5.2
Cass	22.9	-62.7	115.1	30.6	-12.7	Mills	29.3	-66.0	112.2	36.1	-13.4
Cedar	24.2	-63.0	117.7	17.9	5.7	Mitchell	27.1	-67.3	156.3	22.5	12.9
Cerro Gordo	22.0	-66.2	156.0	22.8	10.4	Monona	13.7	-58.0	129.5	23.1	-13.4
Cherokee	12.3	-61.0	140.5	16.7	-7.7	Monroe	26.2	-60.9	108.4	25.2	-8.6
Chickasaw	23.5	-62.9	159.0	25.5	5.9	Montgomery	25.1	-66.7	100.6	35.0	-14.6
Clarke	26.8	-64.1	94.0	36.9	-5.4	Muscatine	25.1	-61.9	120.7	22.3	2.4
Clay	12.5	-60.6	151.5	15.1	-3.9	O'Brien	10.9	-59.9	153.0	15.2	-6.8
Clayton	23.0	-60.4	127.2	15.7	4.0	Osceola	10.6	-60.2	151.2	17.0	-6.6
Clinton	20.9	-63.0	138.0	23.0	5.7	Page	24.5	-68.0	95.3	32.1	-14.9
Crawford	11.0	-60.1	141.0	16.5	-12.9	Palo Alto	15.4	-61.6	154.3	16.9	-1.0
Dallas	22.4	-60.9	126.2	22.9	-8.3	Plymouth	17.2	-61.2	131.2	21.4	-7.4
Davis	29.7	-63.4	114.0	33.6	-7.2	Pocahontas	14.5	-63.5	143.1	14.4	-2.4
Decatur	26.2	-62.8	100.1	32.8	-7.1	Polk	19.0	-63.4	120.3	25.3	-6.0
Delaware	19.1	-60.8	148.3	27.9	10.6	Pottawattamie	24.5	-63.2	112.2	31.2	-13.5
Des Moines	24.2	-63.6	112.4	31.9	6.2	Poweshiek	22.4	-61.5	117.0	20.8	-9.1
Dickinson	11.5	-58.2	154.3	17.8	-9.4	Ringgold	25.4	-63.7	96.4	33.5	-12.2
Dubuque	16.0	-61.7	152.2	26.2	10.2	Sac	8.1	-59.8	141.4	15.6	-9.5
Emmet	14.6	-59.5	157.8	17.6	-2.7	Scott	25.2	-63.0	127.4	19.6	4.3
Fayette	19.4	-62.3	156.9	28.9	11.9	Shelby	19.1	-63.7	116.8	25.5	-10.0
Floyd	27.3	-66.7	220.2	-3.8	12.0	Sioux	14.8	-61.3	134.6	18.3	-8.1
Franklin	16.9	-64.7	161.5	20.3	3.1	Story	21.4	-61.6	129.5	24.0	-2.2
Fremont	24.7	-65.6	112.3	33.1	-12.2	Tama	22.2	-62.6	126.3	19.8	-3.7
Greene	12.7	-61.6	123.9	20.9	-5.5	Taylor	25.7	-64.2	95.9	33.7	-12.0
Grundy	21.6	-63.6	137.4	23.7	4.3	Union	27.1	-65.3	91.2	36.9	-6.1
Guthrie	18.5	-59.9	131.2	24.3	-10.4	Van Buren	30.7	-62.6	106.6	33.8	-6.0
Hamilton	18.9	-62.0	141.2	22.8	-3.2	Wapello	25.5	-60.1	114.0	22.3	-7.6
Hancock	18.4	-64.9	159.5	21.9	5.9	Warren	25.5	-62.8	104.4	37.3	-4.2
Hardin	17.3	-62.3	147.2	21.9	-1.7	Washington	20.0	-57.7	110.1	13.1	-2.1
Harrison	20.3	-60.2	122.9	25.8	-14.6	Wayne	24.7	-64.2	104.2	38.2	-8.3
Henry	23.7	-61.4	110.2	23.0	.8	Webster	18.9	-62.5	137.3	21.8	-1.2
Howard	24.7	-62.7	154.0	21.7	4.3	Winnebago	17.5	-65.1	167.0	22.6	3.8
Humboldt	16.1	-64.8	146.6	21.8	-.3	Winneshiek	20.7	-61.9	147.3	21.7	3.8
Ida	11.9	-60.5	132.2	19.7	-8.0	Woodbury	14.6	-59.1	136.6	19.0	-12.8
Iowa	21.7	-61.2	113.9	15.8	-4.8	Worth	21.3	-65.6	165.4	23.0	8.1
Jackson	18.2	-63.1	144.0	26.6	7.5	Wright	16.8	-62.1	148.3	21.3	-3.0
Jasper	21.7	-61.8	117.0	19.5	-4.2						
						State of Iowa	19.9	-62.2	132.2	22.3	-2.6

Table 5. Percentage Change in Per Acre Value (unadjusted and adjusted to 1998 \$s) of Farm Land from 1981 to 1986 and from 1986 to 1998 in Iowa's Counties.

County	Unadjusted		Adjusted		County	Unadjusted		Adjusted	
	1986-1998	1981-1986	1986-1998	1981-1986		1986-1998	1981-1986	1986-1998	1981-1986
Adair	130.0	-62.9	56.4	-68.8	Jefferson	133.4	-61.0	58.7	-67.2
Adams	125.6	-62.2	53.4	-68.1	Johnson	119.7	-60.6	49.4	-66.8
Allamakee	132.1	-62.8	57.8	-68.7	Jones	113.1	-60.7	44.9	-66.9
Appanoose	127.4	-65.1	54.6	-70.7	Keokuk	124.7	-60.3	52.8	-66.6
Audubon	131.3	-61.8	57.3	-67.8	Kossuth	140.7	-66.1	63.7	-71.5
Benton	131.3	-63.1	57.3	-68.9	Lee	130.6	-64.1	56.8	-69.8
Black Hawk	127.3	-65.4	54.6	-70.9	Linn	113.3	-61.0	45.0	-67.2
Boone	136.9	-63.2	61.1	-69.0	Louisa	116.0	-60.6	46.9	-66.8
Bremer	135.7	-65.0	60.2	-70.6	Lucas	123.6	-64.0	52.0	-69.7
Buchanan	130.4	-64.4	56.6	-70.0	Lyon	134.8	-64.9	59.6	-70.4
Buena Vista	133.6	-64.9	58.8	-70.4	Madison	139.9	-63.0	63.1	-68.8
Butler	127.5	-65.6	54.7	-71.1	Mahaska	132.7	-62.1	58.3	-68.1
Calhoun	133.1	-64.5	58.5	-70.1	Marion	128.0	-63.5	55.0	-69.2
Carroll	128.5	-63.6	55.4	-69.4	Marshall	127.6	-62.3	54.8	-68.3
Cass	129.0	-61.9	55.7	-67.9	Mills	127.2	-62.7	54.5	-68.6
Cedar	109.2	-60.4	42.3	-66.7	Mitchell	123.8	-66.1	52.2	-71.5
Cerro Gordo	126.6	-66.5	54.1	-71.8	Monona	126.7	-60.6	54.2	-66.8
Cherokee	134.1	-63.5	59.2	-69.3	Monroe	136.5	-62.7	60.8	-68.6
Chickasaw	131.2	-65.0	57.2	-70.5	Montgomery	118.4	-62.7	48.5	-68.6
Clarke	132.3	-64.2	58.0	-69.8	Muscatine	114.0	-60.8	45.5	-67.0
Clay	137.1	-64.5	61.2	-70.2	O'Brien	134.8	-64.2	59.7	-69.8
Clayton	145.9	-63.6	67.2	-69.3	Osceola	134.3	-64.1	59.3	-69.8
Clinton	103.1	-60.6	38.1	-66.8	Page	117.2	-63.9	47.7	-69.6
Crawford	126.9	-62.6	54.3	-68.5	Palo Alto	141.7	-64.7	64.4	-70.3
Dallas	147.0	-63.2	68.0	-69.0	Plymouth	137.1	-62.4	61.2	-68.4
Davis	128.6	-63.4	55.5	-69.2	Pocahontas	134.1	-65.7	59.2	-71.2
Decatur	132.2	-64.6	57.9	-70.2	Polk	127.1	-64.2	54.4	-69.8
Delaware	120.5	-62.7	49.9	-68.6	Pottawattamie	131.9	-62.5	57.7	-68.4
Des Moines	123.7	-62.7	52.1	-68.6	Poweshiek	126.6	-61.4	54.1	-67.5
Dickinson	142.2	-64.4	64.7	-70.0	Ringgold	126.3	-63.9	53.9	-69.6
Dubuque	121.5	-63.2	50.6	-69.0	Sac	128.5	-63.7	55.4	-69.5
Emmet	141.9	-64.0	64.5	-69.7	Scott	107.8	-60.5	41.3	-66.7
Fayette	125.2	-64.4	53.2	-70.0	Shelby	127.6	-62.6	54.8	-68.5
Floyd	126.2	-65.9	53.8	-71.3	Sioux	138.2	-63.6	62.0	-69.3
Franklin	129.6	-66.0	56.1	-71.4	Story	137.0	-63.5	61.2	-69.2
Fremont	122.1	-61.9	51.0	-67.9	Tama	132.7	-63.5	58.3	-69.2
Greene	129.1	-64.1	55.8	-69.8	Taylor	125.6	-62.9	53.4	-68.8
Grundy	130.8	-64.5	56.9	-70.1	Union	128.8	-64.3	55.5	-69.9
Guthrie	136.8	-61.9	61.0	-68.0	Van Buren	134.0	-62.8	59.1	-68.7
Hamilton	136.5	-64.6	60.8	-70.2	Wapello	135.0	-61.8	59.8	-67.8
Hancock	131.4	-66.4	57.3	-71.7	Warren	135.8	-65.1	60.4	-70.6
Hardin	130.5	-64.2	56.7	-69.8	Washington	125.9	-60.1	53.6	-66.4
Harrison	136.0	-61.8	60.5	-67.8	Wayne	122.5	-65.1	51.3	-70.6
Henry	127.8	-62.1	54.9	-68.1	Webster	137.6	-64.9	61.5	-70.5
Howard	135.8	-65.2	60.4	-70.7	Winnebago	133.1	-66.7	58.5	-72.0
Humboldt	130.1	-66.0	56.5	-71.4	Winneshiek	130.1	-64.4	56.4	-70.0
Ida	128.8	-62.5	55.6	-68.4	Woodbury	129.7	-61.7	56.2	-67.7
Iowa	129.6	-61.7	56.1	-67.7	Worth	130.9	-66.4	57.0	-71.7
Jackson	107.1	-62.0	40.8	-68.0	Wright	135.9	-65.7	60.4	-71.1
Jasper	122.0	-61.7	51.0	-67.8					
					State of Iowa	128.8	-63.3	55.6	-69.1

after inflation was taken into account. The great percentage increase in the 1970s remained high even after inflation was incorporated (Table 4), although it was substantially smaller than when inflation was not controlled (Table 2). Positive changes in the 1960s and from 1990 to 1997 also were muted when inflation was entered into the equation. But the decline in the 1980s was even more dramatic when the numbers were adjusted for inflation.

From 1981 to 1986, average values declined steadily; they increased from 1986 to 1997 but then dropped to 1998. In the first period, unadjusted declines totaled 63.3 percent for the state (Table 5). The value of farm land dropped by at least 60 percent in all counties. In some, the figures for 1986 were only about a third of what they had been for an average acre in 1981. The numbers adjusted for inflation provide similar findings.

Farm land values escalated when 1986 and 1998 were compared; the average acre in Iowa gained 128.8 percent in unadjusted value. Although the losses from 1981 through 1986 had a relatively small range (-60.1% through -66.7%) across counties, the gains in the following years varied to a somewhat greater degree. Six counties had increases in farm land values of at least 140 percent, while the gains in 11 others were less than 120 percent. These gains were not as dramatic when the effects of inflation were incorporated, however.

Note: Annual data from 1950 through 1998 are available from Michael Duffy, Department of Economics, 560 Heady Hall, Iowa State University, Ames, IA 50011.

Figure 1. Per acre value (in \$) of farm land in Iowa, 1950-1998.

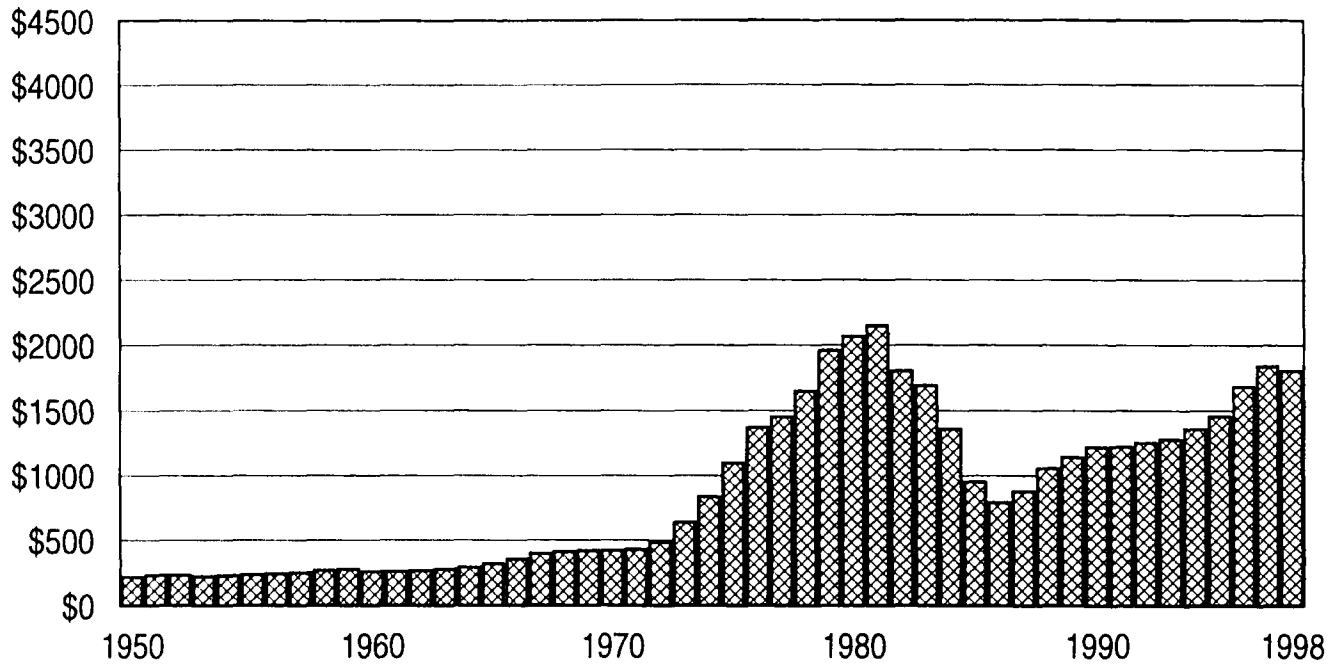
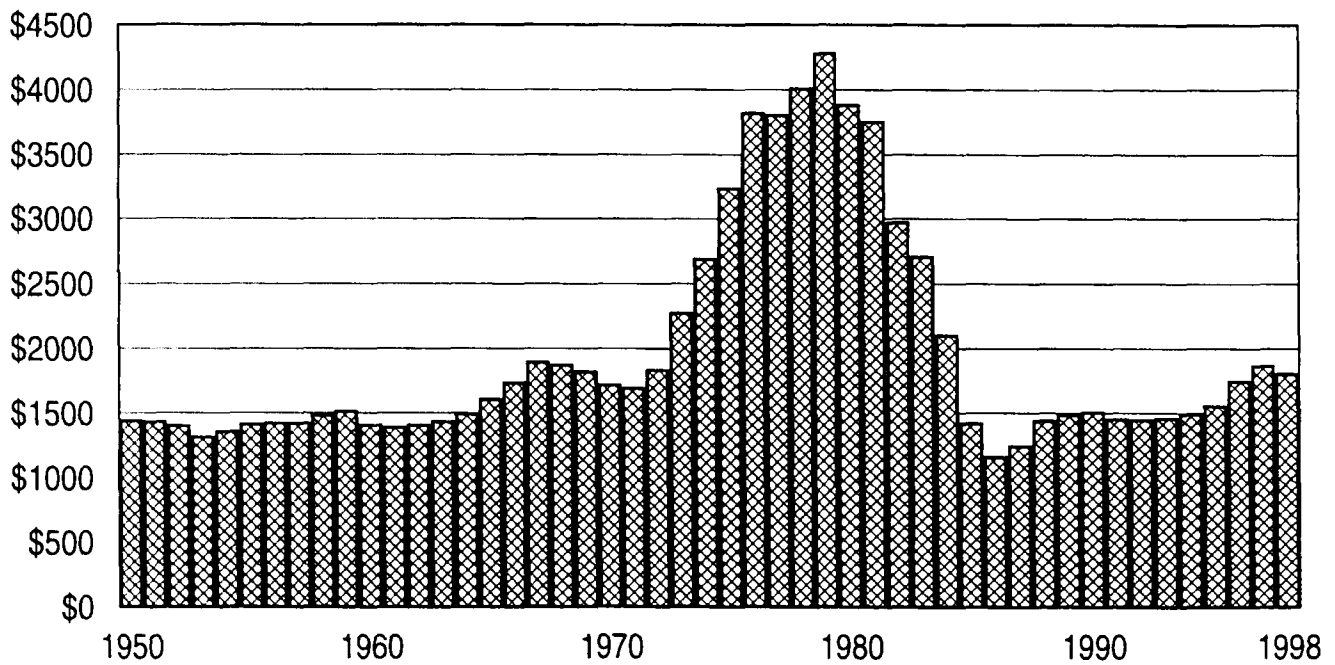


Figure 2. Adjusted per acre value (in 1998 \$) of farm land in Iowa, 1950-1998.



Corn and Soybean Production in Iowa's Counties: 1978, 1983, and 1988-1998

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The Iowa Department of Agriculture and Land Stewardship provides annual estimates of production of selected crops. Reports are available on corn, corn silage, soybeans, oats, wheat, alfalfa hay, and all hay. In this section, information is included on corn and soybeans harvested for grain.

Weather is a key factor influencing differences in the production of corn and soybeans from one year to the next. The excessive rains and consequent flooding that occurred during 1993 caused a decrease in acres harvested and bushels produced per acre; thus, the one-year increases between 1993 and 1994 were particularly dramatic because of the exceptionally high numbers recorded for corn and soybean production in 1994. Weather-related factors in 1995 led to significant declines from 1994, however. The numbers for 1996 returned to relatively high levels. Federal agricultural policy and other factors can affect planting and harvesting as well.

Corn Production

About 12.2 million acres of corn were harvested for grain in 1998 (Table 1), an increase of 300,000 acres from 1997. These acres generally increased from 1988, when about 10.7 million acres were harvested, to 1992, when 13 million acres were reported (Figure 1). Weather-related problems in 1993 resulted in a 15.1 percent decline from 1992 in harvested corn acreage but a gain of 14.5 percent from 1993 to 1994. A decline of 7.9 percent occurred from 1994 to 1995, again in large part due to weather patterns. Similar deviations occurred from 1995 to 1998.

In 1998, nearly 1.8 billion bushels of corn were produced, an increase of 127 million bushels from 1997 (Table 2). Fewer than 1 billion bushels were produced in 1983, 1988, and 1993. The average number of bushels of corn grown per acre is obtained by dividing the number of bushels produced by the number of acres grown. In only a few of the years examined was the average below 100 bushels per acre (Table 3, Figure 2). The 1998 figure of 145 was higher than the 138 reported for 1996 and 1997 but still below the 152 bushels per acre reported in 1994, the highest of the years noted.

Counties vary in corn production (Tables 1, 2, 3). Both the acres harvested and the bushels of corn produced differ by the amount and quality of farmland available for such production. The figures for the average bushels produced per acre allow county comparisons that take into account variations in the number of acres planted. In 1998, for example, average yield of corn was at least 10 bushels per acre greater than the state figure in 14 counties. Yields were 10 or more bushels per acre under the state average in 27 counties; in only Decatur and Clarke were yields less than 100 bushels per acre in 1998 (Figure 3).

Soybean Production

The number of acres of soybeans harvested generally has risen slowly from the beginning to the end of the period examined (Table 4, Figure 1). While 7.5 million acres of soybeans were harvested in 1978, more than 10.4 million acres were harvested in 1998, which was more than any other year.

Table 1. Estimated Acres (in 1,000s) of Corn Harvested for Grain in Iowa's Counties, 1978, 1983, 1988-1998.

County	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1983	1978
Adair	101	96	105	98	108	98	112	109	112	106	92	73	109
Adams	62	56	63	45	61	54	63	60	63	61	55	46	67
Allamakee	69	67	75	71	71	63	73	71	68	66	55	51	75
Appanoose	25	28	26	8	30	21	33	32	31	30	24	20	37
Audubon	114	106	105	97	104	97	110	108	109	108	99	86	122
Benton	176	171	185	176	181	166	181	179	175	175	156	122	185
Black Hawk	145	136	152	148	149	137	154	143	150	149	130	105	146
Boone	150	144	147	136	144	123	141	133	134	135	119	87	151
Bremer	110	109	123	119	119	110	123	113	115	114	93	70	109
Buchanan	165	161	165	169	173	163	181	181	177	172	150	129	156
Buena Vista	166	163	159	162	165	148	164	151	155	159	139	107	167
Butler	151	143	153	149	150	136	158	146	154	149	136	104	168
Calhoun	156	154	162	158	166	144	163	145	152	153	131	104	150
Carroll	155	156	150	155	156	147	161	159	161	162	137	104	154
Cass	121	118	118	118	130	115	133	125	127	124	109	84	135
Cedar	139	144	160	163	168	158	173	177	174	167	149	111	182
Cerro Gordo	147	142	159	163	164	143	172	153	166	162	140	115	151
Cherokee	135	133	142	137	141	132	145	141	144	142	124	87	148
Chickasaw	124	117	131	127	130	116	136	123	122	122	104	81	115
Clarke	27	26	27	5	37	22	38	37	36	37	32	31	44
Clay	126	122	145	139	144	105	144	133	135	135	116	87	142
Clayton	163	150	139	141	141	136	157	148	138	130	115	111	147
Clinton	178	176	186	188	194	174	197	196	189	192	166	152	204
Crawford	161	165	166	170	173	162	176	170	170	172	145	115	167
Dallas	136	129	142	130	134	123	139	138	137	134	120	93	149
Davis	38	35	37	11	38	32	44	44	43	41	39	32	58
Decatur	23	26	30	6	32	25	34	32	30	32	21	32	46
Delaware	168	164	182	178	179	166	185	184	177	172	141	123	162
Des Moines	75	70	75	63	75	66	75	76	73	72	70	66	93
Dickinson	84	81	87	81	87	46	88	78	86	85	76	56	95
Dubuque	123	119	123	115	113	104	121	116	113	112	88	93	115
Emmet	106	99	109	107	109	53	108	97	103	102	93	76	104
Fayette	185	178	196	191	192	174	201	194	194	186	154	117	174
Floyd	140	138	135	129	137	121	140	131	132	128	112	80	126
Franklin	164	162	178	174	179	160	183	145	170	170	147	107	167
Fremont	118	114	119	86	115	82	118	111	113	114	99	69	120
Greene	151	152	159	152	160	140	155	146	145	146	124	90	153
Grundy	154	154	161	157	163	144	164	151	161	160	140	101	155
Guthrie	99	96	113	101	106	98	112	109	106	106	97	73	105
Hamilton	173	170	173	164	169	148	168	149	160	159	136	99	167
Hancock	171	169	167	165	167	144	175	152	163	163	147	99	163
Hardin	162	163	170	169	173	155	172	156	167	161	138	120	166
Harrison	160	154	161	152	159	146	166	157	156	154	143	96	158
Henry	89	88	87	68	88	79	92	92	88	89	81	73	99
Howard	120	108	114	107	106	96	115	103	104	101	89	72	99
Humboldt	125	123	135	126	133	113	130	99	122	123	111	77	127
Ida	107	107	113	114	118	114	123	125	127	125	110	83	131
Iowa	117	115	124	114	129	110	129	128	121	124	99	95	139
Jackson	96	94	101	98	98	83	104	101	98	96	74	73	100
Jasper	160	162	157	158	164	147	169	162	164	166	147	118	170

Table 1. Estimated Acres (in 1,000s) of Corn Harvested for Grain in Iowa's Counties, 1978, 1983, 1988-1998 (continued).

County	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1983	1978
Jefferson	63	63	64	39	70	59	73	74	72	72	60	49	74
Johnson	104	101	106	103	112	103	124	127	119	118	107	107	135
Jones	142	139	152	146	149	131	152	150	146	141	117	105	140
Keokuk	95	102	113	87	113	102	117	120	113	119	107	86	132
Kossuth	302	286	299	296	302	241	308	237	274	272	234	180	268
Lee	76	77	80	49	78	63	81	77	74	71	64	54	81
Linn	138	132	146	135	142	131	146	149	149	143	126	103	147
Louisa	77	77	83	76	87	80	88	89	88	84	83	67	83
Lucas	24	24	24	7	27	16	32	30	29	30	27	25	41
Lyon	153	145	161	151	153	132	153	147	143	138	123	111	154
Madison	75	71	62	57	69	51	73	71	74	71	63	56	83
Mahaska	114	121	123	107	124	104	124	124	119	120	104	91	131
Marion	74	80	63	62	76	60	79	74	74	76	71	48	79
Marshall	141	134	138	139	145	134	155	146	151	149	132	96	150
Mills	98	89	96	85	99	87	100	96	100	96	83	61	100
Mitchell	135	125	132	127	129	110	135	121	124	120	104	82	120
Monona	156	144	157	141	155	141	167	161	163	165	144	121	172
Monroe	26	28	26	8	28	15	31	28	27	29	23	22	40
Montgomery	87	83	89	76	89	81	90	88	89	87	78	60	96
Muscatine	88	89	96	92	99	84	99	97	92	96	86	76	101
O'Brien	165	157	157	155	158	135	161	158	160	157	140	112	163
Osceola	110	106	117	110	112	72	111	108	107	105	94	63	106
Page	100	93	101	79	98	88	102	101	101	97	86	68	107
Palo Alto	161	150	152	145	153	125	158	122	151	149	132	100	154
Plymouth	213	211	207	208	215	203	227	213	217	211	187	155	235
Pocahontas	168	168	171	166	171	150	168	146	156	157	138	97	158
Polk	93	93	94	89	95	81	101	95	97	99	85	67	110
Pottawattamie	234	223	217	221	235	214	243	236	235	227	202	147	220
Poweshiek	114	112	109	114	118	109	123	124	122	115	93	88	130
Ringgold	38	38	42	15	46	36	49	48	46	48	37	33	62
Sac	147	149	165	154	159	146	157	145	150	150	133	112	155
Scott	115	117	118	122	126	118	128	126	123	123	109	113	135
Shelby	151	155	168	172	178	168	181	176	175	173	151	109	168
Sioux	238	227	220	228	238	210	237	233	228	223	203	143	234
Story	158	158	155	154	158	140	160	156	161	161	142	97	158
Tama	162	158	162	166	178	162	184	175	182	180	161	108	177
Taylor	59	57	65	34	68	59	70	66	67	67	59	55	71
Union	42	41	39	30	51	39	52	50	51	47	40	38	53
Van Buren	43	45	44	12	46	34	48	49	46	45	43	34	55
Wapello	50	50	62	30	58	40	59	57	56	53	45	33	62
Warren	74	71	66	59	74	53	80	77	78	82	64	55	86
Washington	118	119	127	111	129	116	132	139	134	130	120	109	150
Wayne	41	43	41	9	49	38	54	50	45	48	40	38	61
Webster	189	189	187	179	188	164	186	166	174	172	151	119	179
Winnebago	128	122	127	126	128	104	134	104	120	117	99	80	108
Winneshiek	132	125	132	127	126	109	131	131	123	117	88	84	128
Woodbury	200	191	186	173	191	181	207	207	208	205	185	132	242
Worth	112	106	103	109	111	93	112	99	104	103	91	71	110
Wright	171	167	170	169	174	155	174	136	161	157	140	102	174
State of Iowa	12200	11900	12400	11600	12600	11000	12950	12200	12400	12250	10700	8550	12850

Table 2. Estimated Bushels (in 1,000s) of Corn Harvested for Grain in Iowa's Counties, 1978, 1983, 1988-1998.

County	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1983	1978
Adair	14457	11574	12587	8332	16274	7558	15736	13802	12856	13892	7898	5660	11300
Adams	8552	6679	7915	3894	9054	4250	8516	8024	7461	6661	4035	2747	6400
Allamakee	10634	9106	9439	8354	10422	5241	9406	9471	9080	8001	3603	5621	8850
Appanoose	2967	3510	3061	524	4082	1368	3866	2883	3152	2458	1184	372	3350
Audubon	15662	13685	13853	11434	15642	7852	16116	14242	13323	14203	9063	7659	13150
Benton	26770	25006	25076	20725	26059	14065	25493	16693	21111	18818	8962	11089	22300
Black Hawk	21194	18773	20322	19156	22713	10109	24034	15935	18712	13818	9616	11687	17300
Boone	21936	21595	21848	20356	23852	10345	23041	16352	15902	17670	10335	9737	18250
Bremer	17342	15841	17337	15393	17968	8723	19174	14792	15390	11268	6571	7920	13300
Buchanan	24279	22107	23579	19419	26027	12500	27270	22359	23631	19568	11251	12987	19050
Buena Vista	25669	23785	23029	22606	26231	11868	25244	18161	20162	20990	15662	8713	21300
Butler	22914	19706	21943	18625	21055	10066	24094	18277	19907	14032	12827	10870	18700
Calhoun	20295	21093	24087	22415	28513	11956	27385	16762	19012	20596	16202	10524	18500
Carroll	23390	21004	21349	20276	25195	10364	24637	19402	19370	21022	15931	9091	17050
Cass	17482	14217	15359	12874	18899	8299	19806	16387	15764	16224	9947	7661	14750
Cedar	23652	20323	22334	19781	26475	14404	25514	19236	23723	22056	9110	10099	23550
Cerro Gordo	21572	20661	22849	20696	24217	9254	24695	18339	22759	15671	13981	12550	18100
Cherokee	21849	18559	19659	17696	21246	11583	21869	19137	18813	18777	14914	7793	18150
Chickasaw	18649	16643	16604	15783	18643	8250	19163	15968	15808	12041	7166	7865	13250
Clarke	2660	2993	2613	338	4823	942	4598	3753	3746	2542	1249	830	4300
Clay	19367	16774	20327	17724	22470	6894	21206	14925	18073	17555	11595	7347	16650
Clayton	25071	20684	18754	16857	20567	12262	21097	19750	19454	17407	7655	11803	17350
Clinton	27046	25015	27188	24507	30981	17560	27930	20755	25998	23426	8828	13364	23400
Crawford	24031	20995	21962	19064	26147	12447	25490	20885	21297	21042	15045	9155	18750
Dallas	20281	18015	19448	17551	21030	11681	21306	17097	17518	18735	10591	8254	15900
Davis	5265	4242	4674	699	5043	2022	5662	4097	4590	2712	2044	691	5600
Decatur	2243	2985	3935	441	4461	1195	4187	3382	2893	2731	837	896	4700
Delaware	25442	23494	26419	21281	27779	12840	26219	23057	24619	21021	9116	10962	19050
Des Moines	9921	9978	9835	7534	12004	6228	10851	6991	9390	6001	4542	4491	10100
Dickinson	12796	10380	12326	10148	12610	2528	11829	9431	11019	11635	8067	4732	11400
Dubuque	19306	16515	18144	13727	16972	8776	16317	15107	15423	12109	5675	8909	13100
Emmet	16431	14328	15806	13645	16761	2811	15912	11421	13798	14218	10386	6780	13050
Fayette	28538	25336	26075	24590	27572	13980	28916	26554	26410	22854	12128	12515	20900
Floyd	22863	19446	19176	16076	19488	8840	20201	16297	18334	10648	9386	7817	14700
Franklin	24031	21922	27125	22975	26618	10480	29143	16997	22220	21688	16218	11549	20100
Fremont	15772	15459	16190	9475	16501	6491	18391	14187	12961	13943	11099	5894	11450
Greene	21702	21444	23754	21321	25661	11813	26161	18200	17632	18600	12336	9369	18300
Grundy	22911	22083	20882	21046	24051	11149	26184	18412	18868	15309	12577	11941	18500
Guthrie	13910	11627	15169	12091	16502	7954	16489	13157	12777	14465	9072	6165	11250
Hamilton	25481	24620	25733	23842	28101	11044	27672	18347	19190	24542	10900	10306	19950
Hancock	24474	24336	24406	21053	25650	10818	26440	16758	22427	20469	16886	9823	20450
Hardin	23973	21726	24103	24023	27028	11975	28310	19034	20652	18803	11528	13980	19050
Harrison	20308	20368	22847	16726	22960	14366	25757	18340	17541	14940	13006	8362	18200
Henry	11881	12094	11532	8089	14026	6336	13319	9018	10852	6385	4942	3436	10900
Howard	18043	15259	15355	13420	14883	6026	14033	12400	13847	12647	5612	6927	11350
Humboldt	17121	18247	20773	17570	21170	8445	21491	10782	15375	18289	11861	7522	16200
Ida	16716	14656	15938	14291	17708	9853	18534	15243	16232	16300	13179	7630	15550
Iowa	16725	15752	15042	11813	19598	8716	16951	13684	15111	12965	3156	6585	15300
Jackson	13944	12358	12947	10595	14294	7352	12287	9117	12747	10955	3321	5593	10800
Jasper	23875	23202	21750	20574	25813	14183	25262	18456	20651	19166	11165	9726	19150

Table 2. Estimated Bushels (in 1,000s) of Corn Harvested for Grain in Iowa's Counties, 1978, 1983, 1988-1998 (continued).

County	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1983	1978
Jefferson	7712	8613	7874	3787	10817	4115	10054	7382	8879	6277	3442	1569	7800
Johnson	14019	14020	12958	10660	17458	8093	16658	12366	15130	12013	4921	8231	15800
Jones	22036	19908	21841	17151	22777	11164	20655	16522	18861	15402	5833	9341	16750
Keokuk	11491	14557	13869	9096	17247	8025	15621	11632	13572	12360	4197	3325	15000
Kossuth	44810	42121	42886	39040	47308	18020	48520	25808	38011	39247	28548	17738	33450
Lee	9072	10731	11034	5823	12241	4877	12033	7634	8178	3309	2454	2199	8000
Linn	20126	19038	20332	15432	21919	10696	20703	14178	18979	16463	6056	8000	17000
Louisa	9494	10055	10622	8993	13524	7205	12465	7983	11515	6221	4087	4225	9050
Lucas	2421	3094	2582	470	3470	851	4088	3003	3018	1922	1256	820	3800
Lyon	23121	19232	22294	18189	23293	11335	20570	18122	16624	16467	8745	9514	17000
Madison	10902	8844	7707	5939	10476	3803	10388	8201	8275	9074	4406	4098	8650
Mahaska	16154	17015	15949	12379	19667	8708	17896	12891	14462	13478	5867	4530	13550
Marion	9783	10428	7379	6517	12209	4872	10913	8084	8865	8566	5820	2905	8300
Marshall	20580	18658	19332	18719	22023	11499	23832	18628	19221	18091	9299	10490	16650
Mills	12131	12124	12830	9015	14576	6486	15618	12716	11988	10538	8960	5526	10700
Mitchell	21940	18717	18414	17031	19043	7461	18560	15186	17870	15493	8601	7833	13400
Monona	18378	17891	19525	13604	21581	12790	23943	16700	18055	17131	13770	9038	19650
Monroe	2932	3523	2933	664	4143	892	3589	2970	3002	2777	1063	644	3600
Montgomery	12218	11139	11547	6908	12460	6061	13616	11269	10572	10565	7488	4913	9850
Muscatine	12500	11632	12007	10883	15836	6720	13922	9035	11618	10165	4578	6917	11400
O'Brien	26128	22100	22151	20089	24036	10214	23336	19252	21439	22247	17293	10754	19650
Osceola	16323	13643	15807	14164	16284	5107	15154	14536	14151	13750	10321	5563	12800
Page	12689	12418	13770	7122	13176	6744	15262	12409	11508	10720	6567	4990	10400
Palo Alto	21865	21566	21718	18437	23522	9005	24474	12834	20622	18675	14084	8751	18350
Plymouth	34119	27013	28618	24526	31869	19611	32738	26530	24972	24489	13291	12454	27150
Pocahontas	22834	24868	25738	23131	27851	11195	26969	17308	19186	22104	14875	8112	20750
Polk	13861	13890	13988	12776	15933	7697	15578	10541	12105	12690	7340	6248	12350
Pottawattamie	32675	29484	29480	23726	35036	17310	37944	32110	28433	22780	19990	12571	26150
Poweshiek	16602	15720	14469	12815	17595	8570	16732	13128	15163	12434	4822	6651	14350
Ringgold	4259	4175	4914	1006	6354	1516	6105	5162	4417	4795	1670	1485	6200
Sac	20779	20401	24522	20001	25630	11812	24748	17089	19239	18946	16507	9490	17600
Scott	19422	16958	16517	15993	20833	12540	19027	14315	16623	16292	6963	10978	16600
Shelby	20860	20291	22675	19510	26466	14290	26243	22963	21752	20709	14306	8856	20000
Sioux	38668	31842	32123	29195	38097	21609	34399	28648	28088	29950	18190	12902	26000
Story	23618	23218	22739	21596	24619	10893	25712	19166	18664	20437	12125	11053	18400
Tama	22671	21549	21145	20011	25328	13192	26175	19787	22278	18201	14510	11708	20650
Taylor	7054	6716	7307	2184	9214	3621	8981	7797	6502	6353	3558	2460	6300
Union	5473	4849	4672	2169	7336	2052	6734	6277	5685	4810	2692	2421	4900
Van Buren	5006	5910	5587	1091	6304	1946	6490	4673	5048	2893	1732	1030	5200
Wapello	6778	6854	7890	2947	8790	2995	8233	5546	6515	5631	2833	1072	6400
Warren	9873	9643	8411	6206	11412	3801	11029	8636	8773	8819	5321	3332	9050
Washington	15876	17011	16087	11862	20057	9333	17996	14161	17568	12081	5026	6651	16900
Wayne	4267	4746	5492	636	6614	1568	6403	4918	4285	3646	1809	857	6150
Webster	24901	27884	29104	26541	32027	13612	30496	20221	21706	25731	14198	13204	23000
Winnebago	20531	18134	17468	16018	19329	7053	19646	11326	16720	15066	11728	7799	13100
Winneshiek	20112	17682	17691	15520	17664	9273	16401	17152	16817	14179	6078	8982	14750
Woodbury	27149	22875	24563	18497	26485	16433	30077	21947	23568	22945	14791	9913	27850
Worth	18195	15304	14318	13992	16318	5851	15358	11636	14801	13393	8973	7315	13300
Wright	23199	23916	25863	23314	27114	11422	28362	15166	21496	23307	15556	10393	22000
State of Iowa	1769000		1711200		1915200		1903650		1562400		898800		1477750
		1642200		1426800		880000		1427400		1445500		743850	

Table 3. Estimated Bushels of Corn Harvested for Grain Per Acre in Iowa's Counties, 1978, 1983, 1988-1998.

County	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1983	1978
Adair	142.7	120.1	119.9	85.0	151.0	76.8	140.0	126.4	115.1	131.4	86.1	77.3	103.7
Adams	137.7	119.9	125.4	87.3	148.2	79.0	135.4	133.7	119.4	110.1	73.5	60.1	95.5
Allamakee	154.3	135.3	126.7	117.0	146.4	83.2	129.4	132.6	132.7	122.2	66.1	109.6	118.0
Appanoose	119.6	125.8	118.6	68.1	134.7	64.5	117.5	90.4	103.3	83.0	50.4	19.1	90.5
Audubon	137.1	129.1	131.9	118.2	151.1	80.6	147.0	132.0	122.0	132.0	91.7	89.6	107.8
Benton	152.1	146.2	135.8	117.8	143.7	84.8	140.9	93.2	120.5	107.3	57.4	90.8	120.5
Black Hawk	146.7	138.5	134.0	129.7	152.0	73.6	156.3	111.2	125.0	92.9	74.1	111.0	118.5
Boone	146.6	149.5	148.9	149.9	165.3	84.0	163.8	123.4	118.8	130.5	86.8	111.4	120.9
Bremer	157.9	145.6	141.4	129.2	151.0	79.7	155.8	130.9	133.6	99.3	70.5	113.6	122.0
Buchanan	147.3	137.3	143.1	114.8	150.8	76.6	151.1	123.5	133.3	113.6	75.3	100.4	122.1
Buena Vista	154.6	146.4	145.3	140.0	159.0	80.3	153.7	120.5	130.4	132.4	113.0	81.4	127.5
Butler	151.9	137.7	143.2	125.1	140.0	73.9	152.3	125.6	129.5	94.3	94.2	104.5	111.3
Calhoun	130.5	137.1	148.7	142.3	171.5	83.3	167.6	116.0	125.4	134.6	123.4	101.2	123.3
Carroll	151.1	135.0	142.8	131.1	161.3	70.5	153.5	122.1	120.7	129.4	115.9	87.8	110.7
Cass	144.6	120.6	129.9	108.9	145.6	72.1	148.8	131.4	123.9	131.4	91.5	91.3	109.3
Cedar	169.8	141.3	139.5	121.4	157.5	91.3	147.7	108.6	136.5	131.8	61.3	90.9	129.4
Cerro Gordo	146.4	146.0	143.7	127.1	147.6	64.8	143.7	120.0	136.8	97.0	100.2	109.3	119.9
Cherokee	161.6	139.6	138.2	129.2	151.0	87.5	150.7	135.8	130.7	132.7	120.0	89.8	122.6
Chickasaw	150.0	142.0	127.2	124.3	143.6	71.0	140.6	130.1	130.0	98.8	69.0	97.2	115.2
Clarke	99.6	113.8	95.7	65.0	130.4	43.0	121.0	102.3	104.3	68.2	39.3	27.1	97.7
Clay	154.2	138.1	140.0	127.6	156.0	66.0	147.4	112.2	133.7	130.5	100.3	84.4	117.3
Clayton	153.9	137.6	135.1	119.8	146.3	89.9	134.7	133.7	141.4	134.0	66.9	106.6	118.0
Clinton	152.1	142.2	146.1	130.7	159.9	100.7	142.0	105.8	137.3	122.2	53.3	87.9	114.7
Crawford	148.9	127.4	132.6	112.2	150.8	76.7	144.8	122.8	125.5	122.6	103.7	80.0	112.3
Dallas	148.7	139.2	136.9	134.7	156.6	95.4	153.6	124.3	127.5	139.5	88.2	89.0	106.7
Davis	138.6	123.0	125.3	65.9	132.0	63.6	129.0	93.3	108.0	66.0	52.5	21.4	96.6
Decatur	98.8	117.1	131.6	68.9	138.5	48.8	124.6	105.7	97.4	84.8	39.3	28.1	102.2
Delaware	151.3	143.1	145.0	119.8	155.1	77.3	141.5	125.4	138.9	122.5	64.9	89.0	117.6
Des Moines	132.8	142.1	131.8	120.0	159.8	94.1	145.5	92.5	128.5	83.0	64.8	67.6	108.6
Dickinson	152.0	128.8	141.5	125.6	145.3	55.6	135.0	120.3	128.3	136.2	106.4	84.5	120.0
Dubuque	156.7	138.5	147.5	119.3	149.8	84.8	134.4	130.0	136.5	108.6	64.2	95.6	113.9
Emmet	154.7	144.9	145.1	128.0	153.9	53.4	147.5	118.0	134.5	139.8	111.6	89.0	125.5
Fayette	154.3	142.1	132.9	129.1	143.8	80.4	143.9	136.6	135.9	123.1	79.0	106.8	120.1
Floyd	163.7	141.4	141.6	125.0	142.5	73.0	144.3	124.6	138.7	83.3	83.8	97.3	116.7
Franklin	146.6	135.5	152.2	132.2	148.5	65.7	158.9	117.3	130.8	128.0	110.5	108.1	120.4
Fremont	133.8	136.0	136.1	110.0	143.0	79.4	155.3	128.3	115.2	122.1	112.0	85.2	95.4
Greene	143.8	141.3	149.1	140.6	160.9	84.1	169.2	124.6	121.3	127.7	99.6	104.4	119.6
Grundy	149.2	143.0	129.5	133.9	147.9	77.4	160.1	121.6	117.6	95.5	89.9	118.0	119.4
Guthrie	140.6	121.1	134.4	119.5	155.5	81.6	147.2	121.2	121.0	135.9	93.5	84.5	107.1
Hamilton	147.1	145.1	148.4	145.5	166.4	74.6	164.5	123.5	120.3	154.4	80.4	104.4	119.5
Hancock	142.9	144.4	146.4	127.9	153.4	74.9	151.1	110.4	138.0	126.0	115.0	99.6	125.5
Hardin	148.0	133.2	141.6	141.8	156.2	77.1	164.7	122.1	123.6	116.9	83.7	116.4	114.8
Harrison	126.7	132.4	141.6	110.4	144.2	98.6	155.0	117.1	112.5	97.3	91.1	87.1	115.2
Henry	134.1	137.6	132.9	119.8	159.2	80.1	144.8	98.2	122.9	72.1	60.9	47.1	110.1
Howard	151.0	140.9	134.3	125.1	140.1	63.1	122.6	121.0	133.3	125.1	62.9	95.7	114.6
Humboldt	137.1	147.9	154.4	139.3	159.1	75.0	164.8	108.5	126.4	149.1	107.0	98.2	127.6
Ida	156.1	136.7	141.7	125.8	150.1	86.4	151.2	121.8	128.2	130.4	119.7	92.5	118.7
Iowa	142.7	136.5	121.0	103.4	151.6	79.3	131.0	106.9	124.9	104.8	32.0	69.2	110.1
Jackson	146.0	132.0	128.7	108.4	146.0	88.4	117.8	90.0	130.5	113.6	45.1	77.1	108.0
Jasper	149.5	143.4	138.4	130.5	157.1	96.4	149.1	114.1	126.0	115.8	76.0	82.6	112.6

Table 3. Estimated Bushels of Corn Harvested for Grain Per Acre in Iowa's Counties, 1978, 1983, 1988-1998 (continued).

County	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1983	1978
Jefferson	121.6	135.9	122.5	96.1	155.6	70.0	137.9	99.9	123.1	86.7	57.2	32.2	105.4
Johnson	134.9	138.8	121.9	104.0	155.5	78.6	134.4	97.3	127.2	101.5	46.2	76.7	117.0
Jones	155.6	143.2	143.9	117.7	152.7	85.2	135.7	110.1	129.0	109.0	49.9	89.0	119.6
Keokuk	120.6	143.4	123.0	104.8	153.3	78.9	133.5	96.9	120.0	103.9	39.4	38.9	113.6
Kossuth	148.5	147.2	143.6	131.7	156.8	74.8	157.5	108.7	138.8	144.4	122.0	98.4	124.8
Lee	118.7	139.5	138.1	119.6	157.7	76.9	149.5	99.5	110.8	46.6	38.5	40.7	98.8
Linn	146.4	144.1	139.5	114.1	154.1	81.9	141.9	95.0	127.5	114.9	48.1	77.4	115.6
Louisa	122.7	130.2	128.8	118.6	155.6	90.6	141.2	90.0	131.0	73.7	49.5	63.5	109.0
Lucas	102.6	128.4	108.9	65.3	130.9	52.9	127.0	100.1	104.4	64.7	46.7	33.3	92.7
Lyon	151.5	132.3	138.6	120.5	151.8	85.9	134.6	123.2	116.4	119.3	71.3	85.6	110.4
Madison	145.4	125.1	123.5	103.6	152.0	74.3	142.3	116.3	112.4	127.1	70.5	73.4	104.2
Mahaska	141.7	140.9	129.5	115.3	158.5	84.1	144.8	103.8	121.7	112.6	56.2	50.0	103.4
Marion	132.6	131.0	117.9	104.4	159.8	81.2	137.4	109.2	119.3	113.0	82.2	61.0	105.1
Marshall	146.2	139.2	140.6	134.8	151.7	85.7	154.3	127.4	127.1	121.5	70.5	109.8	111.0
Mills	123.7	135.8	133.2	105.9	147.4	75.0	156.0	131.9	120.5	109.4	107.7	90.0	107.0
Mitchell	162.4	149.9	139.9	134.0	147.6	68.0	137.9	125.4	144.3	129.0	82.4	96.0	111.7
Monona	117.9	124.5	124.3	96.2	139.1	90.5	143.1	104.0	110.5	104.1	95.6	75.0	114.2
Monroe	111.9	127.2	112.8	84.1	149.0	61.5	117.3	107.2	112.9	94.5	46.6	29.8	90.0
Montgomery	140.6	134.5	130.0	91.1	140.0	74.6	151.8	128.5	118.8	121.0	95.6	82.2	102.6
Muscatine	142.5	131.0	125.1	118.9	160.8	80.0	141.1	93.3	125.9	106.0	53.0	91.1	112.9
O'Brien	158.6	140.9	140.7	129.3	151.9	75.6	145.1	121.9	134.2	141.8	123.5	95.7	120.6
Osceola	148.9	128.7	135.0	129.0	145.0	71.2	136.0	134.6	131.8	131.1	109.8	88.7	120.8
Page	126.5	133.5	136.6	89.7	135.0	76.7	149.8	123.3	113.8	110.2	76.8	73.0	97.2
Palo Alto	136.1	144.0	143.2	127.2	153.5	71.9	154.7	105.6	136.2	125.0	106.9	87.5	119.2
Plymouth	159.9	128.1	138.4	118.0	148.3	96.7	144.3	124.6	115.1	115.8	71.0	80.1	115.5
Pocahontas	136.3	148.2	150.3	139.7	162.7	74.6	160.1	118.5	123.3	140.6	107.6	83.3	131.3
Polk	149.2	149.7	148.2	142.9	167.0	94.7	155.0	111.2	124.3	128.2	86.4	93.5	112.3
Pottawattamie	139.5	132.2	135.9	107.2	149.3	81.1	156.0	136.2	120.9	100.5	98.8	85.4	118.9
Poweshiek	145.4	140.9	133.2	112.9	149.0	79.0	136.4	105.6	124.2	108.6	51.6	76.0	110.4
Ringgold	112.4	109.0	117.0	65.3	138.1	42.0	123.8	108.4	96.9	100.5	45.1	45.7	100.0
Sac	141.6	136.6	148.8	129.8	160.8	80.8	157.4	118.3	127.9	126.7	123.9	85.0	113.5
Scott	169.6	144.4	139.6	131.3	164.8	106.0	148.3	113.5	135.4	133.0	64.0	97.4	123.0
Shelby	138.3	130.9	135.1	113.8	148.4	85.0	144.8	130.5	124.7	119.9	94.5	81.2	119.0
Sioux	162.3	140.3	146.1	128.3	159.8	103.1	145.3	123.1	123.2	134.5	89.7	90.4	111.1
Story	149.2	146.9	146.3	140.5	155.4	78.0	160.5	122.9	116.3	126.9	85.3	114.3	116.5
Tama	139.9	136.5	130.9	120.5	142.3	81.4	142.5	113.4	122.4	100.9	89.9	108.7	116.7
Taylor	119.2	117.4	112.8	65.2	135.9	61.6	127.8	118.1	96.6	95.5	60.0	44.6	88.7
Union	129.7	117.4	120.7	71.8	143.8	53.3	130.0	124.8	111.0	103.0	67.3	64.0	92.5
Van Buren	115.3	130.2	127.3	92.5	138.2	56.7	135.8	96.0	109.3	65.0	40.4	30.0	94.5
Wapello	135.8	136.5	127.5	99.9	152.3	75.1	140.0	96.6	116.5	105.6	62.7	32.6	103.2
Warren	133.4	135.4	128.4	105.0	154.8	71.6	138.0	112.3	113.1	107.3	83.0	60.3	105.2
Washington	134.7	142.9	126.9	107.2	155.8	80.6	136.7	101.9	130.8	93.1	41.8	61.1	112.7
Wayne	103.8	109.4	133.6	69.1	134.4	41.4	117.9	97.6	95.0	76.0	44.9	22.7	100.8
Webster	131.5	147.7	155.8	148.0	170.8	83.0	164.0	122.0	125.0	149.9	94.1	111.0	128.5
Winnebago	160.0	149.3	137.4	126.8	151.4	67.7	146.9	108.9	139.6	129.2	118.6	98.0	121.3
Winneshiek	152.5	141.6	133.6	122.7	140.2	84.8	125.3	131.1	137.1	120.9	69.1	107.3	115.2
Woodbury	136.1	119.8	132.1	106.7	138.7	91.0	145.0	105.9	113.2	111.9	79.9	75.0	115.1
Worth	162.0	144.8	139.4	127.9	147.3	63.1	137.4	117.8	142.7	130.0	98.9	102.9	120.9
Wright	136.1	143.2	152.1	138.0	156.0	73.9	162.9	111.9	133.9	148.7	111.3	101.6	126.4
State of Iowa	145.0	138.0	138.0	123.0	152.0	80.0	147.0	117.0	126.0	118.0	84.0	87.0	115.0

Table 4. Estimated Acres (in 1,000s) of Soybeans Harvested in Iowa's Counties, 1978, 1983, 1988-1998.

County	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1983	1978
Adair	95	95	96	86	77	77	70	69	66	67	68	65	55
Adams	57	56	53	55	45	45	44	44	42	44	42	45	36
Allamakee	23	20	12	10	8	7	5	5	4	5	6	4	3
Appanoose	36	33	29	38	25	28	25	27	25	26	26	31	37
Audubon	101	102	94	84	77	75	72	73	68	72	70	64	49
Benton	160	159	154	144	141	139	135	134	126	132	130	127	110
Black Hawk	116	112	115	102	102	96	91	99	84	89	85	86	85
Boone	137	143	127	125	124	116	119	121	112	117	116	120	110
Bremer	87	85	80	70	70	65	60	62	53	55	54	57	64
Buchanan	117	115	98	87	85	81	76	75	68	75	70	66	78
Buena Vista	152	155	152	145	145	137	137	145	135	131	131	122	126
Butler	125	126	116	101	99	93	89	101	81	86	88	87	95
Calhoun	161	160	161	159	155	153	149	170	148	152	149	141	143
Carroll	141	141	145	128	124	121	118	114	111	115	117	102	92
Cass	112	108	97	97	92	90	87	87	85	87	84	78	63
Cedar	120	115	110	90	87	82	80	74	74	78	75	70	69
Cerro Gordo	127	130	119	111	112	108	97	112	99	103	100	109	110
Cherokee	133	130	136	122	121	114	112	109	103	106	106	93	88
Chickasaw	102	98	97	81	77	73	67	71	61	63	63	68	65
Clarke	28	30	19	26	22	21	24	27	25	26	25	34	29
Clay	141	141	138	132	129	115	126	129	123	128	130	116	119
Clayton	46	45	24	12	9	8	6	5	4	5	7	5	6
Clinton	115	104	96	84	83	77	77	75	73	77	65	65	64
Crawford	153	149	127	127	115	112	107	114	104	109	106	89	69
Dallas	126	132	140	112	112	108	106	108	101	108	104	108	98
Davis	39	40	33	37	29	28	25	30	28	31	33	44	44
Decatur	35	32	30	34	26	27	24	27	26	31	32	39	37
Delaware	72	64	49	42	39	34	31	28	28	29	28	24	26
Des Moines	64	68	62	72	62	60	60	58	53	58	51	49	50
Dickinson	90	84	86	77	80	72	74	81	71	73	74	73	76
Dubuque	25	21	14	9	8	7	6	5	5	5	5	3	2
Emmet	103	102	94	97	96	82	89	97	89	90	90	92	94
Fayette	118	114	103	89	85	79	74	75	68	68	70	72	76
Floyd	120	118	108	102	101	96	92	95	93	96	96	106	97
Franklin	148	143	124	127	126	122	116	144	116	124	122	121	116
Fremont	114	120	119	117	109	67	105	106	104	105	108	98	100
Greene	150	150	143	147	145	142	141	145	134	143	142	133	128
Grundy	141	140	117	126	127	123	118	123	110	107	104	107	100
Guthrie	100	98	91	86	78	77	75	80	75	79	77	73	64
Hamilton	156	156	135	139	141	133	134	145	128	131	131	129	134
Hancock	137	138	127	120	122	114	112	130	117	122	117	127	126
Hardin	140	142	120	117	118	114	111	124	106	112	111	107	101
Harrison	141	144	135	132	126	122	117	120	118	123	119	108	93
Henry	72	72	65	71	60	57	56	56	55	56	51	55	55
Howard	96	97	86	77	75	71	65	73	66	69	71	73	64
Humboldt	120	123	118	116	113	113	107	136	106	112	107	109	110
Ida	106	100	85	89	85	80	79	77	72	75	75	66	54
Iowa	79	80	70	65	53	53	51	46	45	52	49	42	40
Jackson	31	23	16	12	10	9	8	9	9	10	10	9	9
Jasper	145	145	119	115	109	97	101	103	94	104	102	97	80

Table 4. Estimated Acres (in 1,000s) of Soybeans Harvested in Iowa's Counties, 1978, 1983, 1988-1998
(continued).

County	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1983	1978
Jefferson	63	65	56	70	56	55	53	56	54	60	54	57	54
Johnson	80	80	78	70	65	60	60	58	57	59	55	51	57
Jones	77	74	60	54	50	48	45	45	43	45	43	41	37
Keokuk	83	86	74	85	70	66	64	61	56	64	65	61	55
Kossuth	249	251	237	240	238	223	215	267	229	236	234	255	247
Lee	67	67	63	75	59	52	57	60	53	59	58	58	58
Linn	113	111	100	94	92	89	86	85	82	90	86	89	85
Louisa	73	69	65	69	65	59	61	57	54	59	54	51	47
Lucas	23	27	17	23	18	19	18	21	19	21	22	25	24
Lyon	137	138	138	126	125	113	117	115	113	120	113	105	82
Madison	64	67	69	61	54	57	52	56	52	54	54	52	51
Mahaska	100	99	87	96	84	73	79	78	71	80	81	74	72
Marion	67	72	69	68	61	59	57	59	55	60	57	54	52
Marshall	128	126	100	96	90	88	83	87	79	88	85	90	75
Mills	94	94	92	91	87	67	83	84	80	84	85	80	74
Mitchell	101	100	89	87	86	85	79	83	74	75	75	84	79
Monona	132	139	118	127	118	106	109	116	109	110	112	102	90
Monroe	29	28	31	28	18	20	17	18	18	20	19	22	25
Montgomery	85	84	91	86	75	71	74	75	71	74	72	66	65
Muscatine	75	73	66	66	61	52	58	58	53	57	54	53	50
O'Brien	155	157	145	147	147	139	141	140	135	137	134	130	125
Osceola	109	111	111	109	109	98	102	103	99	106	101	94	89
Page	99	101	95	99	87	85	87	92	90	92	90	86	81
Palo Alto	146	144	144	130	130	117	124	156	126	135	133	129	136
Plymouth	192	186	187	167	165	153	149	152	143	147	136	117	97
Pocahontas	164	170	162	163	160	157	152	168	145	152	148	146	147
Polk	92	92	81	83	82	72	80	80	75	79	77	75	84
Pottawattamie	204	206	174	184	174	166	165	171	162	167	163	146	125
Poweshiek	108	102	74	87	80	81	77	78	72	80	79	78	64
Ringgold	51	49	35	51	38	34	36	40	40	42	43	55	49
Sac	154	147	145	135	132	130	124	131	119	125	123	109	100
Scott	74	74	66	55	55	51	49	46	48	49	41	40	39
Shelby	140	130	110	111	104	101	96	96	92	98	95	84	64
Sioux	184	185	171	156	155	139	142	138	129	137	127	111	86
Story	148	152	133	133	133	126	125	127	121	124	120	123	117
Tama	138	137	111	112	106	106	100	105	96	107	104	98	95
Taylor	70	73	55	71	58	57	53	57	53	56	58	65	56
Union	49	44	44	49	37	36	36	36	32	33	34	32	28
Van Buren	48	47	48	46	37	39	37	39	37	40	38	50	45
Wapello	51	54	46	58	46	42	45	48	45	46	45	48	46
Warren	65	68	59	63	56	54	53	57	49	53	52	54	54
Washington	103	106	97	97	83	77	78	72	69	74	73	63	64
Wayne	51	51	25	51	42	43	37	39	38	40	41	52	49
Webster	194	195	174	181	177	174	171	182	166	176	170	172	172
Winnebago	103	99	90	89	88	85	76	103	84	84	84	91	97
Winneshiek	64	54	34	33	26	24	20	19	16	18	20	18	16
Woodbury	161	166	138	130	114	108	100	106	94	96	93	86	74
Worth	97	94	78	81	82	79	74	80	71	72	72	83	82
Wright	162	162	152	153	154	150	142	171	141	147	142	156	151
State of Iowa	10450	10400	9450	9260	8770	8300	8170	8630	7900	8280	8100	7960	7550

Table 5. Estimated Bushels (in 1,000s) of Soybeans Harvested in Iowa's Counties, 1978, 1983, 1988-1998.

County	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1983	1978
Adair	4138	3791	3550	2574	3869	2406	2902	2920	2415	2573	1936	2290	1850
Adams	2484	2387	2117	1536	2199	1480	1802	1797	1606	1549	949	1196	1120
Allamakee	1200	891	565	427	396	246	179	212	185	199	175	154	110
Appanoose	1463	1378	1059	1107	1029	759	933	834	825	726	610	612	1000
Audubon	4382	4622	3934	3714	4058	2595	3223	3255	2742	2955	2276	2367	1940
Benton	8567	8008	7123	6297	7317	4982	5965	5954	5718	5316	3159	4897	4430
Black Hawk	6067	5421	5225	5067	5424	3285	4231	4124	3812	3144	2332	3395	3230
Boone	6420	6458	5870	6110	6503	3766	5473	5044	4529	4851	2771	5014	4670
Bremer	4652	4104	3463	3472	3635	2146	2798	2634	2461	1867	1409	2181	2370
Buchanan	6196	5537	4460	3756	4436	2961	3396	3567	3087	2751	1914	2395	2970
Buena Vista	7392	7483	7012	6934	7602	4168	6370	5786	5588	5777	5074	3953	5180
Butler	6444	5709	5386	4840	4899	2763	4075	4021	3388	2906	2786	3220	3390
Calhoun	6579	7221	7690	7505	8520	4426	6829	6290	5948	6359	5521	5155	5760
Carroll	6563	6514	6260	5818	6542	3832	5443	4679	4545	4468	4352	3675	3840
Cass	4784	4359	3885	3476	4609	2778	3685	3671	3361	3443	2417	2738	2280
Cedar	6544	5956	5201	4085	4893	3175	3586	3674	3636	3675	2573	2835	2800
Cerro Gordo	6215	5765	4787	5013	5353	2615	4076	4213	4374	3258	3395	4021	3930
Cherokee	6767	6392	6204	5768	6333	4247	5223	5300	4702	4664	4540	3524	3690
Chickasaw	4884	4481	3875	4022	3812	2001	2806	2968	2626	2189	1583	2351	2280
Clarke	1103	1270	588	634	984	464	872	948	843	742	646	713	920
Clay	7036	6502	6132	5876	6421	2268	5556	5079	5471	5310	4624	4071	4390
Clayton	2455	2186	1142	601	444	284	268	240	192	215	167	171	210
Clinton	6156	5322	4609	4100	4531	3020	3616	3514	3637	3554	1836	2444	2390
Crawford	7199	6735	5517	5487	6076	4126	4699	4766	4488	4050	4006	3183	2870
Dallas	6120	5697	6532	4929	5896	3854	4669	4460	4211	4536	2553	3886	3430
Davis	1803	1831	1320	1127	1225	866	1034	1055	1004	737	811	796	1360
Decatur	1382	1414	1106	969	1215	580	859	1020	813	833	599	627	1130
Delaware	3857	3296	2430	1952	2077	1292	1396	1317	1246	1210	718	768	990
Des Moines	3062	3385	2680	2603	3162	2328	2707	2424	2406	2204	1726	1743	1880
Dickinson	4537	3434	3931	3312	3829	1185	3014	3181	2948	2988	2485	2501	2850
Dubuque	1337	1038	718	404	399	250	243	217	212	216	140	91	65
Emmet	4942	4431	3956	4169	4587	1191	3838	3433	3981	3766	3161	3439	3670
Fayette	6316	5411	4694	4463	4241	2634	3180	3418	3018	2852	2118	2628	2800
Floyd	6253	5243	4597	4872	4800	2919	3950	3816	4175	2669	2867	3812	3500
Franklin	7465	5971	5532	5876	6073	3196	5146	5279	4686	4995	4117	4635	4280
Fremont	4518	5200	4989	3974	5348	2294	4565	4414	3727	3406	3544	3482	3220
Greene	6944	6896	6915	6923	7702	4570	6706	5796	5360	5740	3964	5266	5510
Grundy	7276	7065	5678	6572	6610	4400	5689	5319	4847	4301	3653	4601	4220
Guthrie	4590	4004	3885	3485	4001	2469	3199	3290	2977	3049	2230	2552	2360
Hamilton	7440	7067	6139	6779	7425	3577	6293	5836	5024	6005	3184	4840	5240
Hancock	6595	5905	5354	5308	5452	2863	4631	4459	4757	4492	4166	4639	4590
Hardin	6738	6431	5500	5913	6284	3403	5188	4858	4801	4459	2955	4357	4130
Harrison	5675	6266	6011	4917	6493	4254	5185	4480	4332	3898	3436	3498	3600
Henry	3742	3529	2939	2827	3280	2260	2570	2482	2288	2069	1622	1754	2080
Howard	4508	4289	3341	3524	3516	1583	2218	2818	2653	2554	1689	2367	2160
Humboldt	5592	5687	5406	5579	5674	3053	4977	4927	4815	5182	3709	3949	4160
Ida	5144	4619	3918	4062	4573	3166	3515	3302	3106	3089	2951	2339	2260
Iowa	4277	4057	2964	2484	2781	1767	2063	1965	1814	1927	1089	1429	1320
Jackson	1671	1142	690	487	479	336	331	414	398	413	237	319	290
Jasper	7209	7232	5308	5505	5924	3498	4620	4469	4187	4151	3197	3863	3070

Table 5. Estimated Bushels (in 1,000s) of Soybeans Harvested in Iowa's Counties, 1978, 1983, 1988-1998
(continued).

County	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1983	1978
Jefferson	2951	2969	2332	2581	2878	1910	2256	2269	2055	2032	1295	1490	1860
Johnson	4193	3858	3152	2716	3375	1952	2490	2384	2519	2404	1466	1714	2040
Jones	4120	3752	2806	2347	2617	1770	1943	2182	2054	1712	1022	1456	1440
Keokuk	3925	4361	3174	3430	3734	2479	2657	3009	2343	2372	1698	1814	1980
Kossuth	11709	10980	9956	10548	0625	4875	9183	8436	9667	9671	8762	9603	8700
Lee	3113	3275	2675	2840	3085	1901	2571	2210	1848	1654	1616	1626	1910
Linn	6072	5307	4357	3666	4720	2958	3703	3693	3558	3502	1939	2853	3220
Louisa	3595	3177	2585	2618	3436	2131	2671	2387	2394	2165	1444	1619	1680
Lucas	1058	1201	590	657	769	467	689	734	617	608	612	622	670
Lyon	6821	6387	6533	5468	6623	2985	4780	5002	4139	4817	3725	3754	3370
Madison	2984	2853	2575	2212	2880	1587	2258	2227	1953	2092	1325	1627	1730
Mahaska	5165	4916	3562	4108	4653	2803	3445	3590	3088	3127	2346	2572	2580
Marion	3086	3308	2612	2452	3222	2018	2460	2451	2253	2127	1930	1772	1810
Marshall	6604	6390	4922	4862	5045	3167	3936	3897	3609	3855	2343	3861	3110
Mills	3858	4049	3779	3101	4277	2166	3625	3544	3140	2740	2332	2740	2720
Mitchell	5121	4627	3935	4218	3871	1878	3233	3514	3233	2824	2164	3052	2910
Monona	5673	5823	4869	4427	5958	3572	4815	3590	4004	4183	3563	2657	3200
Monroe	1203	1252	1128	832	875	556	622	692	604	556	446	520	700
Montgomery	3722	3742	3655	2435	3595	2248	3216	3121	2709	2716	2028	1859	2300
Muscatine	3696	3428	2676	2767	3174	1899	2426	2142	2336	2296	1504	1879	1770
O'Brien	7840	7563	6992	6751	7030	3223	6227	6546	5737	6069	5754	4789	4850
Osceola	5387	4781	4880	4756	5019	1838	4104	4608	4084	4236	3774	3332	3560
Page	3863	4582	4031	2776	3841	2661	3756	3624	3310	3001	2028	2722	2320
Palo Alto	6839	6473	6219	5679	5889	2201	5524	4997	5699	5392	4761	4396	5220
Plymouth	9347	8509	8506	7569	8937	6305	6711	6900	6460	5725	4368	3997	4070
Pocahontas	7680	7968	7504	7677	8079	3964	6823	5998	5453	6554	5423	4772	6230
Polk	4190	4300	3632	4087	4480	2458	3583	3240	3031	3229	1981	2809	3100
Pottawattamie	8976	9227	7567	7116	9159	6071	7385	7251	6624	5320	4477	5177	4910
Poweshiek	5354	4951	3258	3583	4320	2737	3300	3481	3091	3073	1940	2944	2340
Ringgold	2017	2027	1168	1269	1832	831	1345	1408	1151	1344	988	1193	1450
Sac	6965	6996	6367	6228	7304	4969	5652	5082	4954	5300	4852	3746	3740
Scott	4112	3889	3275	2707	3148	2171	2317	2350	2308	2303	1475	1655	1560
Shelby	6547	6205	4997	5027	5483	3686	4233	4288	3871	3809	2918	3046	2690
Sioux	9500	9075	8587	7367	8721	5030	6425	6715	5722	6210	5180	4109	3600
Story	7016	7064	6316	6484	7124	4035	5839	5114	4968	5151	2898	4891	4860
Tama	7111	6632	5128	5197	5622	3752	4352	4582	4214	4114	3597	4030	3890
Taylor	2780	2940	1843	1708	2803	1666	2024	1981	1532	1638	1149	1480	1530
Union	1983	1846	1555	1134	1734	964	1410	1464	1224	1120	773	879	820
Van Buren	2228	2194	1888	1545	1707	1249	1542	1461	1237	1127	918	1231	1350
Wapello	2378	2511	1857	2238	2307	1494	1898	2041	1623	1620	1293	1260	1520
Warren	2967	3040	2241	2234	2889	1393	2249	2144	1941	1807	1562	1690	1800
Washington	5251	5237	4242	3993	4678	3019	3464	3509	3075	2941	2121	2389	2370
Wayne	2024	2039	899	1430	1796	1056	1303	1338	1110	1118	952	936	1490
Webster	8873	8994	8170	9089	9272	4683	7743	7330	6350	7925	4751	6547	7340
Winnebago	4833	4309	3528	3707	3820	1869	3022	3392	3398	3035	2900	3013	2900
Winneshiek	2853	2484	1435	1542	1265	728	710	797	698	678	510	625	550
Woodbury	7057	6802	5637	4933	5715	3735	4446	3570	3684	3914	2823	2365	2690
Worth	4750	4154	3282	3667	3565	1820	2930	2889	3038	2847	2384	3039	3100
Wright	7527	6921	6736	7168	7388	3789	6392	6402	6175	6585	5018	5712	5790
State of Iowa	501600	478400	415800	398180	447270	257300	359480	349515	327850	322920	251100	278600	283125

Table 6. Estimated Bushels of Soybeans Harvested Per Acre in Iowa's Counties, 1978, 1983, 1988-1998.

County	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1983	1978
Adair	43.4	40.1	37.1	30.0	50.3	31.4	41.6	42.4	36.7	38.4	28.6	35.1	33.6
Adams	43.7	42.3	40.0	28.0	49.0	33.1	41.1	40.8	38.5	35.5	22.6	26.9	31.1
Allamakee	52.6	45.7	47.1	42.7	49.5	35.7	37.3	43.3	42.0	42.3	29.7	37.6	36.7
Appanoose	40.4	42.1	36.6	29.4	41.3	27.4	37.5	31.0	33.0	28.0	23.4	20.0	27.0
Audubon	43.3	45.1	41.9	44.4	52.8	34.7	44.8	44.9	40.1	40.9	32.3	36.9	39.6
Benton	53.7	50.5	46.4	43.6	52.0	35.8	44.3	44.6	45.4	40.3	24.2	38.6	40.3
Black Hawk	52.5	48.2	45.5	49.5	53.4	34.3	46.6	41.7	45.3	35.4	27.4	39.7	38.0
Boone	47.0	45.0	46.3	49.0	52.5	32.6	46.1	41.7	40.3	41.5	24.0	41.8	42.5
Bremer	53.7	48.6	43.3	49.7	52.1	32.9	46.7	42.6	46.9	34.2	26.0	38.2	37.0
Buchanan	53.1	48.2	45.6	43.3	52.3	36.4	44.8	47.3	45.4	36.8	27.4	36.2	38.1
Buena Vista	48.8	48.4	46.3	48.0	52.5	30.4	46.6	39.8	41.4	44.2	38.9	32.5	41.1
Butler	51.7	45.2	46.5	48.1	49.6	29.9	45.9	40.0	41.6	33.9	31.5	37.1	35.7
Calhoun	41.0	45.0	47.9	47.1	55.1	28.9	45.9	37.0	40.2	41.8	37.0	36.5	40.3
Carroll	46.7	46.2	43.1	45.6	52.8	31.8	46.2	41.0	40.8	38.9	37.4	36.1	41.7
Cass	42.8	40.2	40.1	35.8	50.3	31.0	42.6	42.1	39.4	39.8	28.7	35.2	36.2
Cedar	54.7	51.7	47.1	45.6	56.4	38.7	45.1	50.0	49.0	46.9	34.5	40.4	40.6
Cerro Gordo	49.1	44.3	40.3	45.3	48.0	24.2	42.2	37.5	44.0	31.5	34.1	37.0	35.7
Cherokee	51.0	49.2	45.8	47.4	52.5	37.4	46.7	48.6	45.5	44.0	43.0	37.9	41.9
Chickasaw	48.0	45.8	39.8	49.8	49.7	27.3	42.1	42.1	42.8	34.9	25.0	34.7	35.1
Clarke	38.8	42.3	31.1	24.2	44.9	21.7	36.5	34.9	34.3	28.4	25.8	21.2	31.7
Clay	50.0	46.1	44.5	44.7	49.9	19.7	44.2	39.4	44.3	41.5	35.7	35.1	36.9
Clayton	53.5	48.4	48.0	50.1	49.9	35.9	44.7	45.3	43.6	43.9	24.2	33.5	35.0
Clinton	53.7	51.2	48.3	49.0	54.7	39.3	47.0	47.2	49.8	46.2	28.1	37.4	37.3
Crawford	47.2	45.4	43.5	43.3	53.0	36.8	44.0	42.0	43.2	37.2	38.0	35.7	41.6
Dallas	48.7	43.1	46.6	44.2	52.7	35.7	44.0	41.2	41.7	42.0	24.6	36.0	35.0
Davis	46.7	45.5	40.2	30.5	42.4	30.5	41.5	35.8	35.4	24.0	24.6	17.9	30.9
Decatur	39.7	44.7	37.0	28.2	46.9	21.7	35.6	37.2	31.4	27.2	19.0	16.1	30.5
Delaware	53.7	51.9	49.7	46.6	53.4	37.8	45.2	46.9	45.3	41.4	26.0	32.0	38.1
Des Moines	47.8	49.6	43.3	36.3	51.2	39.0	45.2	41.9	45.1	38.0	34.2	35.9	37.6
Dickinson	50.3	41.0	45.8	43.1	48.0	16.5	40.8	39.5	41.5	40.7	33.6	34.1	37.5
Dubuque	53.7	50.4	51.3	44.9	49.9	36.2	40.5	45.2	47.1	40.0	26.9	33.7	32.5
Emmet	48.1	43.4	42.2	43.1	47.9	14.6	43.2	35.2	44.6	41.7	35.0	37.4	39.0
Fayette	53.7	47.5	45.7	50.3	50.0	33.3	43.1	45.5	44.7	41.8	30.1	36.6	36.8
Floyd	52.2	44.4	42.6	47.6	47.7	30.4	43.0	40.0	44.8	27.7	29.9	36.0	36.1
Franklin	50.6	41.8	44.7	46.4	48.4	26.1	44.5	36.7	40.5	40.3	33.7	38.4	36.9
Fremont	39.7	43.4	42.1	34.1	49.2	34.2	43.6	41.6	35.8	32.3	32.7	35.6	32.2
Greene	46.2	45.9	48.5	47.2	53.2	32.3	47.6	40.1	40.0	40.2	27.8	39.7	43.0
Grundy	51.7	50.4	48.6	52.2	52.0	35.7	48.3	43.4	44.2	40.2	35.3	43.0	42.2
Guthrie	46.0	40.8	42.6	40.8	51.4	32.2	42.7	41.3	39.9	38.7	28.9	35.2	36.9
Hamilton	47.8	45.2	45.6	48.6	52.8	26.9	47.1	40.1	39.1	45.9	24.4	37.5	39.1
Hancock	48.2	42.7	42.3	44.3	44.6	25.1	41.4	34.2	40.5	36.8	35.5	36.7	36.4
Hardin	48.0	45.4	45.9	50.6	53.4	29.9	46.9	39.2	45.4	39.9	26.7	40.7	40.9
Harrison	40.2	43.5	44.6	37.3	51.6	34.9	44.4	37.3	36.6	31.8	29.0	32.3	38.7
Henry	52.1	48.9	45.3	39.9	54.8	39.8	46.0	44.2	41.8	36.7	32.0	31.7	37.8
Howard	47.2	44.3	38.9	45.9	46.9	22.4	34.0	38.6	40.5	37.2	23.9	32.5	33.8
Humboldt	46.7	46.3	46.0	48.2	50.1	27.0	46.6	36.3	45.3	46.3	34.8	36.1	37.8
Ida	48.7	46.3	46.1	45.7	53.9	39.4	44.6	43.1	43.1	41.1	39.4	35.5	41.9
Iowa	54.0	50.5	42.5	38.3	52.7	33.2	40.6	43.0	40.5	37.3	22.3	34.3	33.0
Jackson	54.1	49.7	43.1	40.6	48.4	39.1	41.9	47.0	45.2	40.1	23.5	37.5	32.2
Jasper	49.7	49.8	44.7	48.0	54.4	36.0	45.8	43.5	44.6	40.0	31.5	39.7	38.4

Table 6. Estimated Bushels of Soybeans Harvested Per Acre in Iowa's Counties, 1978, 1983, 1988-1998
(continued).

County	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1983	1978
Jefferson	47.0	45.7	41.8	37.0	51.6	34.9	42.6	40.4	38.0	34.0	24.0	26.1	34.4
Johnson	52.3	48.5	40.7	39.0	52.0	32.3	41.6	41.4	44.6	40.5	26.6	33.5	35.8
Jones	53.7	50.9	46.8	43.6	52.4	36.6	43.4	48.5	48.1	38.2	23.5	35.7	38.9
Keokuk	47.3	50.6	43.0	40.5	53.5	37.4	41.8	49.2	42.0	37.1	26.0	29.6	36.0
Kossuth	46.9	43.8	42.1	44.0	44.6	21.9	42.8	31.5	42.3	41.0	37.4	37.6	35.2
Lee	46.6	49.2	42.7	38.1	52.5	36.5	45.2	37.0	34.6	27.9	28.1	28.2	32.9
Linn	53.8	47.9	43.7	39.1	51.5	33.2	43.2	43.4	43.4	38.9	22.4	32.1	37.9
Louisa	49.4	46.0	39.8	38.1	53.0	36.3	43.9	41.7	44.4	37.0	26.6	31.6	35.7
Lucas	45.4	44.8	35.1	28.3	43.0	24.1	38.5	34.8	32.3	28.4	28.3	25.3	27.9
Lyon	49.9	46.1	47.5	43.5	53.2	26.5	40.9	43.6	36.5	40.2	33.1	35.9	41.1
Madison	46.8	42.3	37.5	36.3	53.4	27.9	43.8	39.6	37.8	38.6	24.6	31.4	33.9
Mahaska	51.8	49.6	41.1	43.0	55.5	38.2	43.4	45.8	43.3	39.2	28.9	34.6	35.8
Marion	46.1	46.0	38.0	36.3	52.9	34.2	43.5	41.8	41.1	35.7	33.7	32.9	34.8
Marshall	51.7	50.7	49.3	50.8	56.2	36.0	47.5	44.9	45.7	43.9	27.5	43.0	41.5
Mills	41.2	43.1	40.9	34.2	49.3	32.3	43.8	42.2	39.1	32.6	27.4	34.2	36.8
Mitchell	50.9	46.5	44.4	48.6	45.1	22.1	41.0	42.2	43.6	37.8	29.0	36.4	36.8
Monona	43.0	41.8	41.3	34.9	50.6	33.7	44.2	31.0	36.6	38.2	32.0	26.2	35.6
Monroe	41.1	45.0	37.0	29.8	48.6	28.4	37.0	38.0	33.4	28.5	23.2	23.7	28.0
Montgomery	43.9	44.8	40.3	28.5	48.1	31.5	43.6	41.9	38.2	36.5	28.4	28.3	35.4
Muscatine	49.5	46.9	40.7	42.2	52.2	36.7	41.9	37.0	44.1	40.0	28.0	35.5	35.4
O'Brien	50.7	48.1	48.3	46.1	47.9	23.2	44.3	46.7	42.4	44.4	43.1	36.8	38.8
Osceola	49.6	43.1	44.0	43.8	46.2	18.8	40.3	44.7	41.2	40.0	37.5	35.4	40.0
Page	39.2	45.3	42.5	28.2	44.3	31.3	43.3	39.3	36.9	32.8	22.5	31.7	28.6
Palo Alto	46.7	44.8	43.3	43.6	45.4	18.9	44.7	32.0	45.2	40.0	35.9	34.0	38.4
Plymouth	48.8	45.8	45.5	45.2	54.3	41.2	45.2	45.3	45.3	39.0	32.0	34.2	42.0
Pocahontas	46.7	47.0	46.4	47.2	50.6	25.2	44.9	35.7	37.5	43.1	36.5	32.8	42.4
Polk	45.7	46.7	45.0	49.3	54.9	34.4	44.9	40.4	40.3	40.8	25.7	37.3	36.9
Pottawattamie	44.1	44.7	43.4	38.7	52.5	36.5	44.7	42.4	40.9	32.0	27.4	35.4	39.3
Poweshiek	49.7	48.7	44.1	41.2	54.1	34.0	43.0	44.8	43.1	38.5	24.5	37.7	36.6
Ringgold	39.7	41.4	33.9	25.1	48.3	24.5	37.6	35.0	28.9	32.3	22.9	21.5	29.6
Sac	45.2	47.5	44.0	46.2	55.5	38.1	45.7	38.8	41.5	42.5	39.3	34.5	37.4
Scott	55.7	52.7	49.8	49.4	57.3	42.9	47.5	50.6	48.1	47.4	35.9	41.9	40.0
Shelby	46.9	47.8	45.4	45.4	52.8	36.5	44.1	44.9	41.9	39.1	30.9	36.3	42.0
Sioux	51.7	49.0	50.2	47.4	56.2	36.2	45.4	48.8	44.4	45.4	40.7	37.1	41.9
Story	47.5	46.4	47.3	48.8	53.6	32.0	46.9	40.3	41.1	41.6	24.1	39.8	41.5
Tama	51.7	48.6	46.3	46.5	53.1	35.4	43.7	43.8	44.0	38.4	34.8	41.3	40.9
Taylor	39.7	40.1	33.8	24.0	48.4	29.1	38.6	34.8	29.1	29.2	19.9	22.8	27.3
Union	40.6	42.1	35.5	23.2	47.0	26.6	39.5	40.9	38.6	33.6	23.1	27.7	29.3
Van Buren	46.7	47.0	39.5	33.7	46.4	32.0	41.9	37.2	33.8	28.5	24.4	24.8	30.0
Wapello	47.0	46.9	40.5	38.7	50.3	35.7	42.2	42.7	36.3	34.9	28.7	26.5	33.0
Warren	45.7	44.5	37.8	35.3	51.7	26.0	42.4	37.5	39.7	34.4	30.1	31.6	33.3
Washington	50.8	49.6	43.8	41.4	56.5	39.1	44.5	48.9	44.8	39.9	29.0	37.9	37.0
Wayne	39.8	40.3	36.1	28.3	42.9	24.8	35.4	34.1	28.9	27.8	23.2	18.0	30.4
Webster	45.7	46.0	47.1	50.3	52.3	27.0	45.4	40.3	38.3	45.1	27.9	38.2	42.7
Winnebago	47.2	43.6	39.3	41.8	43.5	21.9	39.8	32.8	40.6	36.0	34.5	33.2	29.9
Winneshiek	44.7	46.0	42.3	46.9	49.4	31.0	35.5	41.5	43.4	37.7	25.6	35.1	34.4
Woodbury	43.9	41.0	41.0	38.0	50.3	34.7	44.5	33.8	39.4	40.9	30.3	27.5	36.4
Worth	49.1	44.3	42.2	45.4	43.6	23.1	39.8	36.3	42.8	39.5	33.0	36.6	37.8
Wright	46.5	42.8	44.4	46.7	48.1	25.3	44.9	37.4	43.7	44.8	35.3	36.6	38.3
State of Iowa	48.0	46.0	44.0	43.0	51.0	31.0	44.0	40.5	41.5	39.0	31.0	35.0	37.5

Because of the increase in acres, it is not surprising that 1998 also was the year in which the greatest number of bushels of soybeans was harvested. The 502 million bushels produced that year were substantially more than the previous high of 478 million in 1997 (Table 5). The record number of bushels produced in 1998, however, did not provide a yield per acre that matched the high of 51.0 in 1994 (Table 6, Figure 2). The average number of bushels of soybeans harvested per acre was 48.0 in 1998, the second highest among the years noted in Table 6. Yields in 1988 and 1993 averaged 31.0 bushels per acre, the lowest reported among the years examined. As with corn, the 1993-1994 period produced both the highest and lowest yields.

Soybean production varies across counties, of course (Tables 4, 5, 6). The average number of bushels produced in 1998 was at least 53.0 bushels per acre, a figure 5 bushels above that for the state, in 14 counties. Seven counties harvested fewer than 40 bushels of soybeans per acre in 1998 (Figure 4).

Concluding Comment

The number of acres of corn harvested for grain surpassed that of soybeans in each year reported (Tables 1, 4; Figure 1). In nine of the eleven most recent years, however, corn acreage harvested for grain has exceeded that for soybeans by fewer than four million acres. In 1998, the difference was less than 2 million acres for the second time since 1983.

Note: For information on corn silage, oats, wheat, alfalfa hay, and all hay, contact the Iowa Department of Agriculture and Land Stewardship (Iowa Agricultural Statistics, Room 833, 210 Walnut, Des Moines, IA 50309; 515-284-4340). Data for the years 1990-1998 are available on one page per crop per year. For earlier periods, request IOWA CROP COUNTY ESTIMATES: HISTORICAL SERIES: 1975-1989 (\$4.00; make checks payable to the Iowa Department of Agriculture). Historical data from 1950-1977 are available as well, although the original publication is out of print. Some libraries have a copy, and one is available through loan from Iowa Agricultural Statistics. These publications also include data on the number of farms, acres of land in farms, and average farm size in acres.

Figure 1. Estimated acres of corn and soybeans harvested for grain in Iowa, 1978-1998.

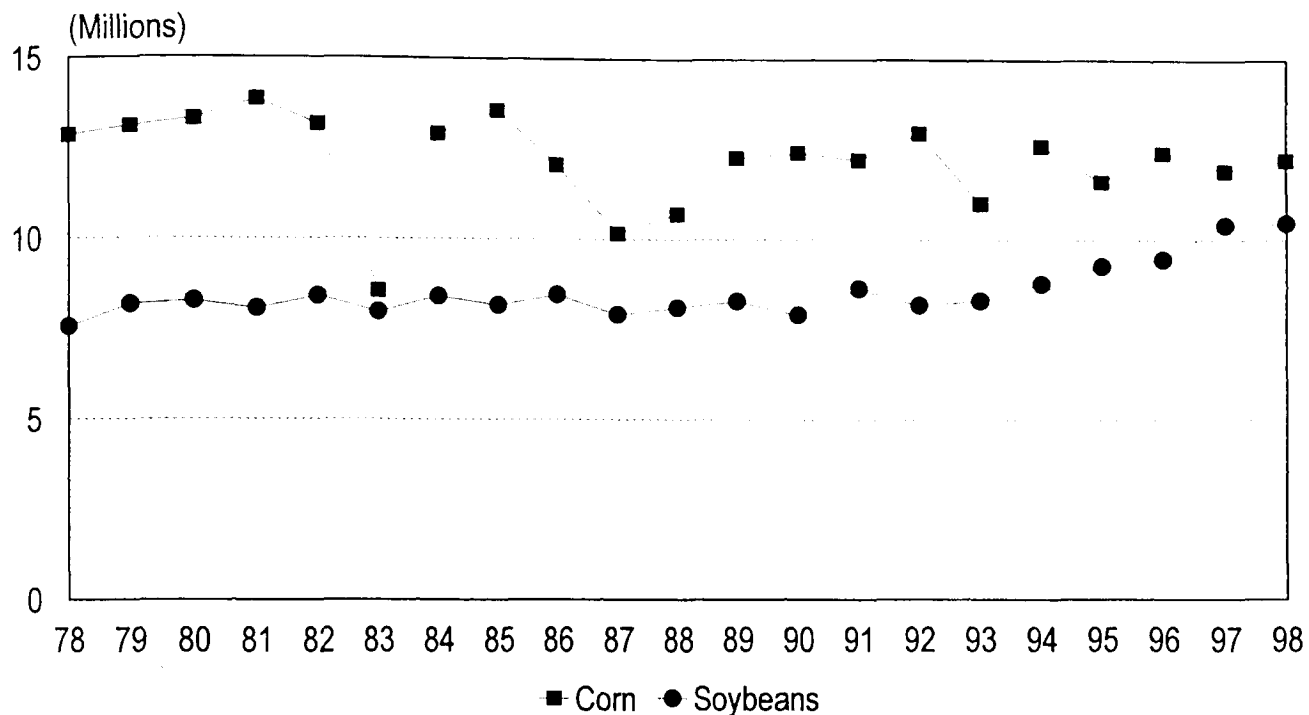


Figure 2. Estimated bushels of corn and soybeans harvested for grain per acre in Iowa, 1978-1998.

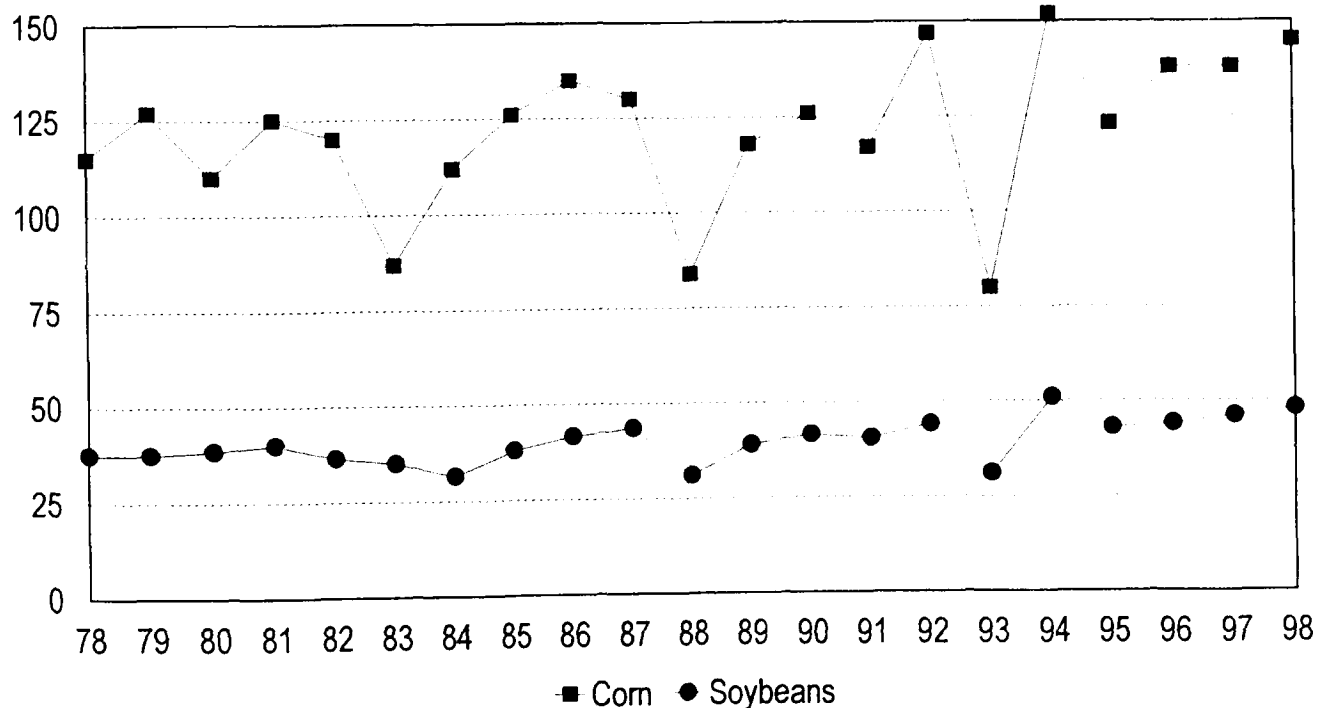


Figure 3. Estimated bushels of corn harvested for grain per acre, 1998.

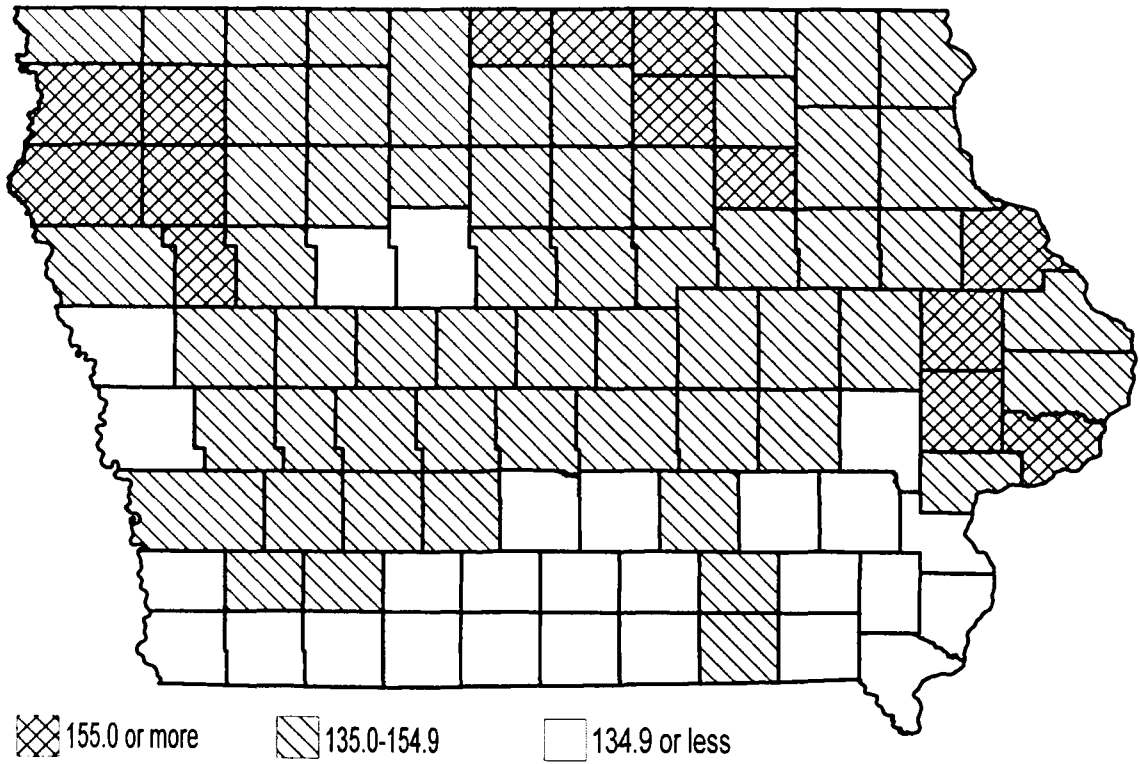
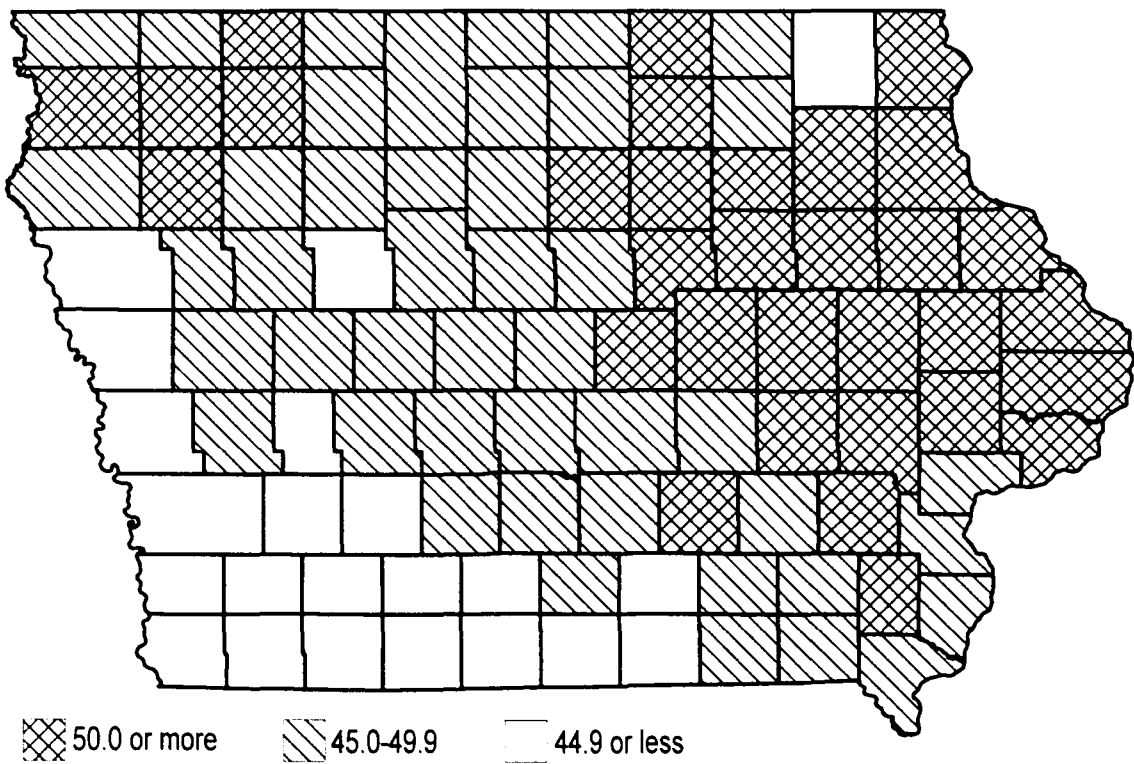


Figure 4. Estimated bushels of soybeans per acre, 1998.



Vehicles Registered in Iowa's Counties: 1988-1998

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Sandra Charvat Burke, Iowa State University

The Iowa Department of Transportation is charged with keeping records of vehicles registered in the State of Iowa. The two categories with the greatest numbers of vehicles are those for autos (Table 1) (59.8% of all registered) and trucks (Table 2) (23.5% of all registered) in 1998. The total number of vehicles listed for the state was nearly 3,544,000 in 1998, an increase of more than 563,000 from the 2,980,000 reported in 1988 (Table 3). The total includes buses, motor homes, motorcycles, mopeds, semi-trailers, regular trailers, travel trailers, truck tractors, and miscellaneous vehicles in addition to autos and trucks.

The number of autos registered in 1998 was 302,000 higher than the number reported in 1988. In 1998, an all-time high was reached when nearly 2,119,000 autos were registered (Figure 1). The number of truck registrations also reached a new high in 1998 (834,000). When 1988 and 1998 were compared, trucks increased by more than 177,000 (Figure 2).

Fewer than 10,000 automobiles were registered in 39 counties in 1998; more than 50,000 were recorded in eight others. Linn, Polk, and Scott were the only counties with more than 100,000; four (Adams, Audubon, Ringgold, Wayne) were under 5,000. Only Adams and Pocahontas had fewer automobile registrations in 1998 than in 1988. Gains of 1,000 or more occurred in 59 counties; six of these increased by at least 10,000 (Johnson, Linn, Polk, Pottawattamie, Scott, Woodbury).

Truck registrations also varied by county in 1998, with 41 reporting fewer than 5,000 and 20 with more than 10,000. Increases between 1988 and 1998 ranged from less than 500 in 12 counties to more than 5,000 in Black Hawk, Linn, Polk, Pottawattamie, Scott, and Woodbury.

Total vehicle registrations in 1998 ranged widely across the state. Polk's total of nearly 398,000 was more than twice the number in every county except Linn (209,000). Black Hawk, Pottawattamie, Scott, and Woodbury also had at least 100,000 registered vehicles. Five counties reported fewer than 10,000 vehicles, although only two (Adams, Ringgold) were under 9,000. Between 1988 and 1998, all counties had increases in the total number of vehicles registered. Gains exceeded 20,000 in Johnson, Linn, Polk, Scott, and Woodbury.

Note: See an annual publication called VEHICLE FLEET SUMMARY for more detailed information on vehicles (Iowa Department of Transportation, Office of Vehicle Registration, Park Fair Mall, 100 Euclid Ave., Des Moines, IA 50306-9204).

Table 1. Automobile Registrations in Iowa's Counties, 1988-1998.

County	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988
Adair	5778	5675	5617	5566	5509	5480	5503	5504	5451	5382	5309
Adams	3269	3221	3146	3163	3221	3285	3250	3271	3293	3308	3338
Allamakee	10233	9954	9574	9263	9154	9210	9192	9049	8963	8796	8598
Appanoose	10142	9903	9701	9659	9629	9534	9394	9229	9085	8867	8732
Audubon	4801	4765	4707	4640	4568	4591	4638	4670	4694	4695	4637
Benton	17653	17133	16583	16285	15992	15792	15494	15326	15087	14782	14359
Black Hawk	89687	88066	86694	86744	86043	85562	84951	84421	82961	81398	79951
Boone	18885	18344	18117	17896	17683	17686	17571	17393	17081	16938	16661
Bremer	16412	16256	15889	15816	15676	15581	15477	15436	15269	15025	14625
Buchanan	14019	13718	13417	13365	13293	13144	13095	12995	12872	12646	12402
Buena Vista	14260	13954	13682	13607	13434	13397	13388	13249	13059	12812	12570
Butler	11582	11380	11283	11291	11101	11126	11112	11051	10983	10812	10648
Calhoun	8192	8048	7994	7929	7906	7901	7825	7802	7851	7808	7763
Carroll	15578	15121	14789	14637	14369	14364	14245	13950	13871	13686	13560
Cass	10996	10667	10411	10450	10350	10455	10440	10440	10502	10434	10389
Cedar	13284	12936	12617	12505	12354	12278	12259	12070	11901	11699	11401
Cerro Gordo	34821	34344	33875	33797	33365	32870	32717	32675	32535	32338	31705
Cherokee	10063	10087	9967	10026	10046	10072	9906	9887	9726	9594	9476
Chickasaw	9889	9721	9573	9527	9498	9491	9530	9504	9345	9225	9089
Clarke	6306	5964	5770	5775	5694	5532	5494	5425	5363	5317	5292
Clay	13457	13276	12900	12783	12660	12502	12531	12406	12314	12086	11901
Clayton	13528	13218	12698	12636	12363	12209	12235	12049	11876	11590	11460
Clinton	36515	35864	35412	34862	34567	34321	34276	33943	33369	32714	32297
Crawford	11984	11612	11248	11224	11093	11171	11101	11040	10940	10881	10879
Dallas	26264	24790	23831	23088	22770	22048	21603	21032	20756	20272	19907
Davis	5534	5450	5350	5302	5358	5285	5227	5295	5266	5248	5141
Decatur	5452	5217	5093	5084	5022	4992	4993	5033	5060	4947	4832
Delaware	12949	12628	12184	12112	11958	11793	11671	11644	11554	11473	11279
Des Moines	30872	30112	29629	29875	29713	29514	29760	29594	29344	28853	28472
Dickinson	12755	12325	12041	11772	11568	11475	11311	11062	10512	10310	10161
Dubuque	62525	60931	58959	59313	58651	57570	57192	56199	54753	53979	53065
Emmet	8223	8081	7978	8006	7993	7981	7997	7911	7799	7646	7530
Fayette	15676	15431	15185	15218	15062	14890	14846	14776	14701	14463	14106
Floyd	12378	12189	12216	12177	12119	12115	11984	11928	11869	11824	11630
Franklin	8445	8343	8229	8203	8086	7996	8001	7916	7952	7845	7767
Fremont	5941	5809	5724	5847	5819	5870	5870	5775	5686	5541	5472
Greene	7699	7568	7369	7253	7117	7141	7130	7111	7065	7072	7017
Grundy	9008	8983	8921	8837	8718	8640	8642	8565	8507	8398	8327
Guthrie	8514	8247	8127	8071	7887	7839	7747	7554	7474	7363	7262
Hamilton	12080	11865	11804	11781	11747	11636	11531	11485	11433	11340	11245
Hancock	9057	8847	8653	8546	8409	8417	8465	8477	8560	8526	8398
Hardin	13923	13679	13510	13511	13427	13161	13116	13110	13075	12890	12789
Harrison	11877	11379	10863	10896	10668	10715	10543	10414	10261	9911	9881
Henry	13338	12899	12554	12583	12363	12287	12083	12081	11806	11479	11265
Howard	7553	7380	7181	7106	7026	6926	6871	6898	6710	6539	6452
Humboldt	8038	7963	7823	7781	7676	7736	7664	7660	7673	7601	7478
Ida	5894	5898	5815	5847	5803	5760	5783	5691	5755	5628	5557
Iowa	11413	11067	10777	10793	10575	10440	10392	10160	9977	9878	9651
Jackson	14769	14373	13883	13729	13725	13443	13401	13335	13195	12807	12667
Jasper	26097	25216	24963	24846	24523	24673	24568	24348	24278	23919	23521

Table 1. Automobile Registrations in Iowa's Counties, 1988-1998 (continued).

County	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988
Jefferson	12148	11803	11590	11657	11623	11565	11511	11462	11380	10957	10796
Johnson	67266	64522	61711	61177	59697	58305	57125	55877	54317	52539	50609
Jones	13843	13544	13011	13101	12901	12766	12632	12494	12340	12151	11815
Keokuk	8142	7933	7826	7843	7789	7733	7711	7778	7732	7704	7606
Kossuth	13326	13061	12919	13017	12915	12930	12965	13042	13205	13137	13050
Lee	27689	26840	26076	26498	26424	26316	26282	26158	25860	25439	25100
Linn	140028	134841	132164	129855	127723	125930	123789	122551	119665	117698	115005
Louisa	8552	8358	8153	8161	8030	7993	7940	7834	7612	7504	7301
Lucas	6304	6232	6128	6001	6049	6004	5950	5967	5943	5847	5781
Lyon	9107	8876	8651	8385	8358	8279	8205	8050	7850	7696	7590
Madison	9523	9196	9028	8753	8551	8450	8344	8286	8163	7999	7859
Mahaska	15443	14976	14719	14556	14428	14361	14169	14102	13905	13672	13442
Marion	22187	21346	20720	20512	20272	19823	19465	19065	18872	18495	18077
Marshall	28620	27840	27518	27738	27533	27176	27112	27095	26867	26584	26154
Mills	10990	10517	10132	9754	9403	9407	9269	8916	8728	8513	8343
Mitchell	7979	7988	7828	7720	7715	7685	7668	7624	7569	7435	7215
Monona	7506	7272	7115	7130	7038	7108	7039	6857	6796	6681	6561
Monroe	6087	5898	5735	5721	5549	5569	5457	5336	5359	5318	5339
Montgomery	8592	8540	8243	8339	8384	8370	8234	8188	8244	8169	7996
Muscatine	29697	29079	28494	28471	28357	28049	27874	27414	26746	26135	25507
O'Brien	11396	11270	11016	10870	10755	10636	10558	10463	10376	10146	10056
Osceola	5258	5184	5139	5118	5054	5058	5098	5007	4859	4823	4800
Page	11773	11522	11226	11357	11228	11169	11136	11000	11098	11013	10694
Palo Alto	7158	7136	7012	6933	6908	6911	6936	6914	6904	6848	6851
Plymouth	17734	17580	16826	16504	16247	16189	15937	15547	15117	14777	14491
Pocahontas	6638	6605	6477	6486	6424	6580	6535	6593	6702	6705	6717
Polk	279712	267779	260254	255650	252631	248409	243786	239108	234947	228496	222361
Pottawattamie	69286	66427	64488	63214	62540	62575	62209	61339	60328	59648	59082
Poweshiek	12673	12483	12283	12266	12090	12027	12056	12045	12017	11867	11626
Ringgold	3727	3663	3519	3534	3478	3546	3557	3551	3562	3450	3367
Sac	8406	8343	8252	8245	8172	8199	8190	8166	8237	8180	8040
Scott	122650	119273	113825	114810	113090	109503	110807	107668	106397	103022	107838
Shelby	9528	9431	9193	9115	9133	9018	9048	8999	9027	9008	8976
Sioux	20800	20092	19458	19207	18904	18606	18191	17700	17346	16916	16675
Story	48743	47249	46045	45331	44396	43977	43414	42777	41938	41213	40186
Tama	12900	12646	12521	12618	12364	12161	11917	11837	11808	11717	11385
Taylor	5024	4870	4712	4753	4716	4684	4690	4710	4697	4723	4651
Union	9037	8868	8666	8705	8609	8631	8636	8622	8658	8498	8309
Van Buren	5430	5323	5171	5193	5148	5067	5019	5006	5000	4930	4811
Wapello	25893	25354	24859	24949	24992	25023	24656	24247	23878	23674	23098
Warren	27310	26263	25814	25373	25198	25053	24568	24309	23992	23474	23011
Washington	14212	13982	13631	13486	13286	13183	13130	12949	12871	12562	12301
Wayne	4928	4899	4766	4796	4755	4717	4651	4703	4658	4594	4574
Webster	28717	28121	27594	27681	27687	27613	27454	27295	27252	27019	26499
Winnebago	8999	8887	8737	8706	8739	8684	8630	8620	8658	8579	8757
Winneshiek	14087	13622	13297	13138	13010	12958	12851	12814	12583	12414	12148
Woodbury	77243	74925	73359	72437	70188	69254	67924	66535	64862	63111	61681
Worth	6104	5971	5929	5862	5817	5683	5750	5705	5696	5694	5631
Wright	10557	10356	10210	10215	10139	9834	9756	9758	9780	9730	9657
Official	11858	11266	10665	10980	10548	10172	9925	9698	9516	9189	9112
Unknown	391	357	334	343	327	323	353	356	386	412	349
State of Iowa	2118809	2058306	2007365	1993287	1968663	1947159	1930124	1905976	1879715	1844690	1816794

Table 2. Truck Registrations in Iowa's Counties, 1988-1998.

County	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988
Adair	3722	3578	3525	3484	3417	3411	3407	3335	3314	3280	3261
Adams	2199	2094	2042	2047	2043	2032	2003	1988	2032	2038	2023
Allamakee	5072	4853	4671	4541	4548	4488	4439	4329	4296	4172	4094
Appanoose	5315	5143	4970	4931	4774	4700	4568	4508	4417	4329	4225
Audubon	2895	2805	2693	2658	2622	2598	2615	2625	2645	2596	2566
Benton	8827	8314	7979	7664	7469	7259	7089	6967	6784	6600	6494
Black Hawk	26529	25472	24648	24120	23704	23117	22705	22288	21816	21233	20823
Boone	8249	7973	7745	7468	7326	7148	6982	6815	6624	6523	6375
Bremer	6916	6677	6518	6377	6182	6023	5947	5855	5767	5649	5554
Buchanan	6768	6530	6293	6196	6007	5887	5824	5747	5622	5515	5402
Buena Vista	6035	5812	5637	5460	5377	5283	5212	5158	5049	4980	4938
Butler	5743	5607	5433	5265	5070	5016	4965	4908	4805	4745	4736
Calhoun	3975	3795	3764	3708	3573	3530	3519	3553	3553	3509	3459
Carroll	7037	6846	6608	6377	6257	6173	6028	5927	5862	5773	5666
Cass	5822	5581	5398	5267	5172	5135	5091	5034	5022	4929	4786
Cedar	6587	6359	6033	5887	5804	5672	5534	5478	5328	5274	5210
Cerro Gordo	11367	11026	10565	10298	10073	9807	9700	9638	9542	9383	9157
Cherokee	4889	4797	4630	4554	4497	4380	4312	4300	4226	4161	4117
Chickasaw	4668	4487	4321	4085	3990	3902	3852	3827	3816	3732	3636
Clarke	3410	3216	3077	3014	2949	2902	2864	2837	2812	2772	2743
Clay	5528	5335	5167	4960	4815	4698	4677	4595	4606	4486	4357
Clayton	7103	6772	6556	6434	6378	6293	6201	6126	5987	5950	5820
Clinton	13887	13273	12904	12444	12100	11748	11643	11496	11225	10899	10694
Crawford	6198	5917	5753	5785	5661	5638	5559	5510	5441	5398	5306
Dallas	10189	9622	9367	9123	8895	8725	8501	8397	8271	8074	7878
Davis	3518	3373	3196	3139	3074	3000	2911	2868	2833	2783	2699
Decatur	3300	3137	3018	2962	2929	2918	2873	2868	2896	2830	2702
Delaware	6184	5925	5678	5541	5354	5269	5127	5092	4952	4866	4777
Des Moines	11925	11399	11123	10941	10662	10344	10197	10106	9855	9595	9402
Dickinson	5140	4879	4715	4595	4453	4357	4185	4070	3969	3830	3764
Dubuque	18078	17204	16587	16376	15801	15143	14748	14418	14155	13810	13488
Emmet	3932	3867	3673	3569	3490	3433	3377	3314	3236	3201	3178
Fayette	7077	6809	6682	6463	6369	6197	6106	6039	5977	5850	5688
Floyd	5515	5393	5259	5134	5054	4921	4869	4794	4693	4607	4550
Franklin	4115	4014	3901	3796	3744	3676	3629	3579	3561	3564	3567
Fremont	3937	3764	3583	3585	3531	3536	3492	3433	3310	3286	3240
Greene	4106	4000	3938	3896	3885	3828	3707	3650	3550	3520	3479
Grundy	4449	4241	4101	4024	3861	3803	3742	3730	3613	3566	3532
Guthrie	4551	4313	4208	4069	3963	3921	3812	3788	3680	3624	3566
Hamilton	5541	5362	5205	5082	4938	4788	4693	4658	4667	4644	4592
Hancock	4334	4184	4036	3904	3802	3735	3674	3703	3696	3622	3593
Hardin	6570	6289	6091	5919	5769	5602	5504	5393	5353	5288	5225
Harrison	6734	6357	6093	5907	5761	5707	5584	5443	5328	5177	5148
Henry	6669	6405	6083	6072	6007	5833	5709	5638	5532	5384	5297
Howard	3686	3547	3409	3336	3256	3185	3086	3081	3029	3004	2972
Humboldt	3695	3561	3454	3384	3346	3283	3273	3307	3351	3308	3234
Ida	3220	3190	3078	2998	2959	2969	2939	2919	2934	2843	2804
Iowa	6312	5904	5583	5406	5273	5150	5046	5006	4909	4813	4690
Jackson	6997	6745	6470	6329	6102	5925	5849	5780	5671	5480	5411
Jasper	11241	10695	10449	10214	10002	9744	9643	9540	9512	9344	9156

Table 2. Truck Registrations in Iowa's Counties, 1988-1998 (continued).

County	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988
Jefferson	4813	4719	4609	4554	4493	4406	4330	4232	4152	4080	4023
Johnson	17272	16485	15801	15530	14871	14364	13879	13494	13223	12913	12522
Jones	6493	6303	6093	5925	5890	5758	5607	5521	5439	5362	5270
Keokuk	4844	4653	4509	4395	4381	4277	4243	4181	4165	4146	4094
Kossuth	6347	6146	5944	5825	5771	5675	5628	5616	5684	5573	5464
Lee	12397	11864	11373	11300	10924	10564	10399	10155	9962	9736	9659
Linn	40638	38457	37085	35999	34939	33564	32610	31757	31069	30316	29545
Louisa	4771	4547	4435	4391	4225	4152	4109	4013	3945	3865	3862
Lucas	3635	3450	3327	3266	3225	3223	3197	3140	3076	3011	2890
Lyon	4232	4102	3967	3804	3786	3780	3713	3700	3634	3507	3409
Madison	5512	5198	5001	4851	4772	4650	4563	4549	4480	4371	4244
Mahaska	7740	7373	7110	6854	6718	6522	6396	6309	6224	6042	5908
Marion	9863	9408	9115	8870	8738	8515	8376	8157	7933	7775	7584
Marshall	11310	10617	10296	10090	10019	9616	9485	9388	9243	8988	8855
Mills	5702	5391	5124	4873	4684	4531	4433	4314	4188	4127	4052
Mitchell	4023	3910	3789	3648	3572	3509	3420	3378	3338	3243	3185
Monona	4422	4244	4143	4097	4090	4128	4062	3993	4000	3921	3867
Monroe	3227	3110	2991	2909	2893	2787	2791	2731	2695	2617	2610
Montgomery	4555	4377	4217	4149	4135	4124	4087	3991	3955	3892	3788
Muscatine	12160	11659	11214	10957	10822	10547	10377	10077	9937	9627	9308
O'Brien	4890	4804	4647	4450	4314	4286	4240	4183	4179	4100	4083
Osceola	2825	2767	2673	2603	2586	2529	2575	2529	2469	2466	2403
Page	6033	5728	5460	5364	5274	5166	5025	4972	4885	4790	4754
Palo Alto	3594	3532	3384	3354	3281	3219	3186	3164	3117	3104	3117
Plymouth	8055	7766	7381	7230	7039	6800	6746	6588	6435	6207	6166
Pocahontas	3291	3188	3151	3025	2984	2987	2992	3010	3023	3012	2944
Polk	72097	67824	64241	61942	60410	58475	56562	55441	54131	52148	50747
Pottawattamie	26311	24631	23613	22946	22455	22075	21848	21615	21515	21345	21104
Poweshiek	6816	6630	6363	6179	6036	5962	5893	5778	5708	5655	5594
Ringgold	2567	2466	2374	2344	2272	2244	2234	2237	2221	2199	2163
Sac	4517	4474	4387	4261	4157	4120	4098	4055	4015	3915	3843
Scott	33155	31305	29387	28875	28197	27325	27429	26601	25978	24869	25615
Shelby	5102	4945	4767	4714	4615	4574	4543	4478	4426	4324	4278
Sioux	9033	8671	8281	8033	7892	7752	7625	7431	7242	6993	6866
Story	13956	13310	12888	12483	12079	11822	11510	11281	11072	10837	10558
Tama	6736	6574	6359	6352	6259	6090	5949	5847	5782	5673	5599
Taylor	3060	2913	2816	2745	2701	2620	2580	2556	2580	2579	2587
Union	4687	4488	4332	4262	4190	4142	4054	3990	3955	3806	3734
Van Buren	3429	3306	3164	3116	3065	3035	2966	2848	2806	2781	2734
Wapello	10930	10334	10013	9730	9629	9399	9190	9028	8717	8551	8413
Warren	11464	10821	10447	10206	9907	9547	9331	9170	8970	8795	8558
Washington	6968	6718	6414	6247	6101	5932	5789	5768	5647	5547	5494
Wayne	3017	2988	2899	2838	2789	2770	2728	2691	2665	2568	2540
Webster	11261	10802	10361	10060	9899	9697	9578	9421	9351	9216	9051
Winnebago	3984	3843	3802	3725	3785	3686	3639	3560	3589	3555	3560
Winneshiek	6745	6462	6123	6030	5977	5904	5838	5718	5710	5564	5574
Woodbury	24873	23670	22782	22138	21391	20916	20381	20063	19790	19577	18919
Worth	3108	3012	2951	2856	2798	2740	2724	2694	2676	2657	2606
Wright	4790	4593	4463	4311	4209	4085	4129	4120	4067	4043	3983
Official	22745	22259	21900	22779	22474	22278	22280	22077	21842	21439	21197
Unknown	237	185	295	392	455	502	534	529	541	617	672
State of Iowa	833988	797463	768171	750665	734256	717203	704913	693597	682570	667883	656669

Table 3. Total Vehicle Registrations in Iowa's Counties, 1988-1998.

County	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988
Adair	11705	11416	11253	11112	10922	10870	10851	10755	10680	10619	10562
Adams	6665	6458	6305	6258	6245	6270	6208	6265	6359	6355	6359
Allamakee	19186	18505	17863	17347	17129	17042	16940	16696	16529	16163	15825
Appanoose	18712	18197	17694	17600	17394	17168	16820	16528	16300	15972	15762
Audubon	9586	9375	9084	8936	8791	8792	8798	8850	8868	8773	8684
Benton	32730	31276	30072	29431	28238	27561	27130	26652	26174	25611	25260
Black Hawk	137450	134113	131446	130666	129355	128149	127164	126134	124398	122376	120719
Boone	33364	32322	31690	30981	29844	29536	29219	28816	28337	28225	27813
Bremer	29422	28697	27981	27622	27174	26873	26605	26426	26149	25735	25223
Buchanan	26168	25391	24644	24424	24053	23740	23706	23471	23147	22766	22338
Buena Vista	25134	24433	23881	23507	23218	23067	22979	22788	22511	22256	21951
Butler	22043	21584	21157	20888	20414	20294	20210	20059	19868	19604	19415
Calhoun	15318	14919	14781	14637	14426	14372	14265	14235	14278	14180	14089
Carroll	27267	26433	25686	25166	24651	24540	24231	23888	23642	23355	23134
Cass	20530	19793	19277	19138	18947	18971	18908	18840	18873	18709	18538
Cedar	24720	23916	23090	22601	21803	21565	21310	21042	20746	20506	20136
Cerro Gordo	55713	54488	53287	52606	51783	50865	50595	50479	50205	49918	49090
Cherokee	18874	18648	18247	18246	18204	18064	17764	17735	17456	17220	17035
Chickasaw	18873	18315	17829	17393	17129	16971	16962	16837	16616	16350	16035
Clarke	11761	11062	10628	10531	10368	10109	10004	9933	9845	9764	9632
Clay	23939	23363	22669	22156	21370	20974	20926	20653	20490	20071	19736
Clayton	25892	25080	24213	23961	23569	23218	23145	22872	22541	22152	21754
Clinton	60456	58929	57900	56758	55994	55399	55319	54829	54044	53050	52504
Crawford	22057	21289	20649	20602	20306	20305	20143	20039	19849	19819	19728
Dallas	43702	41248	39807	38592	37261	36296	35581	34872	34476	33796	33230
Davis	11089	10702	10318	10173	10137	9948	9754	9759	9696	9606	9380
Decatur	10734	10281	9951	9858	9712	9624	9572	9614	9632	9441	9211
Delaware	23532	22720	21848	21596	21132	20772	20405	20320	20032	19805	19445
Des Moines	51579	49946	49116	49081	48541	47978	48167	47924	47567	46907	46567
Dickinson	23549	22574	21838	21257	20692	20390	19963	19499	18732	18333	18011
Dubuque	93791	90641	87502	87520	86000	83988	83241	81919	80167	79147	77964
Emmet	15692	15355	14985	14867	14718	14612	14571	14380	14164	13944	13735
Fayette	28160	27475	27059	26790	26470	26074	25875	25734	25531	25146	24633
Floyd	22575	22101	21914	21636	21402	21220	20965	20741	20535	20369	20139
Franklin	15853	15499	15182	14919	14376	14161	14094	13980	14010	13938	13892
Fremont	12012	11608	11197	11272	11097	11077	10967	10752	10499	10313	10156
Greene	14896	14550	14158	13934	13738	13669	13517	13435	13280	13287	13219
Grundy	17156	16737	16436	16216	15872	15692	15594	15519	15319	15146	15084
Guthrie	16361	15701	15344	14967	14634	14468	14257	14001	13780	13591	13398
Hamilton	22388	21847	21513	21159	20821	20450	20248	20191	20075	19990	19866
Hancock	17271	16804	16334	15990	15619	15451	15417	15486	15528	15440	15230
Hardin	25560	24890	24422	24229	23967	23404	23226	23119	23099	22877	22901
Harrison	22459	21330	20311	19807	19076	18929	18602	18337	18064	17524	17476
Henry	24363	23462	22636	22625	22283	22007	21618	21508	21063	20556	20339
Howard	14212	13716	13287	13068	12849	12618	12384	12360	12082	11875	11722
Humboldt	15268	14972	14608	14450	14226	14199	14054	14070	14069	13860	13604
Ida	11659	11484	11195	11094	10952	10896	10867	10754	10813	10546	10367
Iowa	21627	20565	19891	19663	19140	18811	18546	18294	17996	17751	17377
Jackson	26907	26026	25104	24718	24328	23770	23585	23376	23123	22478	22235
Jasper	45714	43937	43309	42900	42133	41884	41605	41264	41205	40702	40160

Table 3. Total Vehicle Registrations in Iowa's Counties, 1988-1998 (continued).

County	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988
Jefferson	20391	19800	19427	19419	19303	19061	18884	18748	18604	18046	17757
Johnson	97002	92975	89030	87988	85519	83470	81727	80092	78101	75896	73576
Jones	25001	24293	23322	23139	22823	22503	22168	21913	21621	21273	20780
Keokuk	15862	15380	15064	14906	14771	14541	14463	14450	14436	14422	14299
Kossuth	24960	24168	23591	23429	23194	23070	23039	23144	23337	23130	22931
Lee	47840	46127	44539	44281	43493	42978	42883	42420	41999	41420	41087
Linn	208707	199915	195148	191293	187753	184363	181401	179232	175588	173052	170348
Louisa	16548	15975	15609	15536	15170	15027	14920	14720	14426	14174	13970
Lucas	12439	12021	11676	11473	11454	11327	11236	11176	11103	10934	10749
Lyon	16828	16370	15860	15336	15244	15161	15032	14798	14457	14171	13891
Madison	18417	17562	17068	16592	16225	15852	15639	15562	15274	14960	14716
Mahaska	28621	27558	26935	26416	26104	25774	25416	25232	25015	24606	24278
Marion	39114	37449	36302	35668	35089	34292	33810	33092	32638	32035	31355
Marshall	48047	46104	45175	45054	44642	43792	43700	43686	43401	43012	42538
Mills	19763	18811	18014	17224	16613	16373	16122	15608	15279	14917	14645
Mitchell	15087	14855	14483	14149	13980	13819	13673	13569	13453	13199	12885
Monona	14588	14093	13728	13616	13477	13483	13336	13115	13080	12860	12629
Monroe	11449	11045	10709	10540	10286	10101	9969	9732	9696	9538	9563
Montgomery	15844	15545	14966	14843	14599	14569	14413	14210	14250	14089	13821
Muscatine	50674	49347	48182	47847	47521	46946	46730	45973	45198	44277	43346
O'Brien	21014	20642	20099	19657	19376	19161	19004	18833	18682	18321	18144
Osceola	10508	10256	10005	9884	9738	9639	9743	9540	9314	9234	9145
Page	21295	20598	19940	19978	19684	19390	19189	18970	18971	18825	18488
Palo Alto	13443	13237	12866	12733	12599	12509	12450	12391	12335	12286	12331
Plymouth	32168	31533	30139	29456	28764	28237	27778	27083	26395	25693	25320
Pocahontas	12764	12558	12300	12190	12028	12192	12130	12125	12282	12265	12191
Polk	397718	379466	365218	358001	352882	345987	339445	333645	328135	319830	312489
Pottawattamie	108960	103817	100498	98376	97080	96718	96388	95455	94355	93458	92728
Poweshiek	24336	23857	23210	22866	22453	22273	22220	22068	21976	21750	21492
Ringgold	7710	7550	7268	7233	7072	7105	7125	7117	7097	6930	6816
Sac	16343	16109	15793	15558	15319	15252	15186	15103	15126	14944	14710
Scott	176939	170340	162216	162538	159941	155230	156817	152714	150730	146623	152901
Shelby	17986	17577	16996	16772	16602	16464	16474	16299	16263	16083	16123
Sioux	38425	37052	35581	34843	34247	33675	33026	32119	31511	30674	30149
Story	72736	70224	68342	67106	65674	64996	64186	63297	62339	61417	60110
Tama	24097	23502	23044	23079	22696	22388	21987	21781	21660	21457	21007
Taylor	9835	9476	9130	9095	9013	8850	8791	8832	8827	8867	8853
Union	16740	16261	15854	15799	15607	15566	15524	15469	15456	15141	14878
Van Buren	11032	10736	10404	10324	10208	10037	9886	9679	9581	9440	9260
Wapello	44331	42887	41894	41578	41458	41205	40555	39963	39235	38979	38349
Warren	46660	44494	43477	42662	42095	41411	40644	40202	39740	39170	38500
Washington	25807	25174	24378	23981	23578	23157	22964	22757	22508	22170	21915
Wayne	9584	9486	9226	9169	9078	8985	8893	8877	8814	8628	8640
Webster	48124	46666	45467	45074	44715	44338	44024	43540	43377	43037	42383
Winnebago	16573	16194	15830	15631	15760	15489	15384	15270	15325	15193	15376
Winneshiek	25283	24275	23428	23133	22830	22655	22449	22248	21934	21578	21404
Woodbury	117760	113642	110784	108762	105318	103638	101624	100127	98031	96166	94182
Worth	11800	11440	11241	10954	10786	10544	10565	10458	10388	10366	10211
Wright	19567	18985	18506	18237	17667	17178	17084	17243	17099	17098	17055
Official	50783	49445	47888	50376	49144	48047	47680	46850	45861	44837	44081
Unknown	678	588	699	872	841	896	966	968	1092	1167	1396
State of Iowa	3543855	3421633	3321140	3279614	3224016	3176817	3145619	3107525	3067837	3017555	2980454

Figure 1. Automobile registrations in Iowa, 1988-1998.

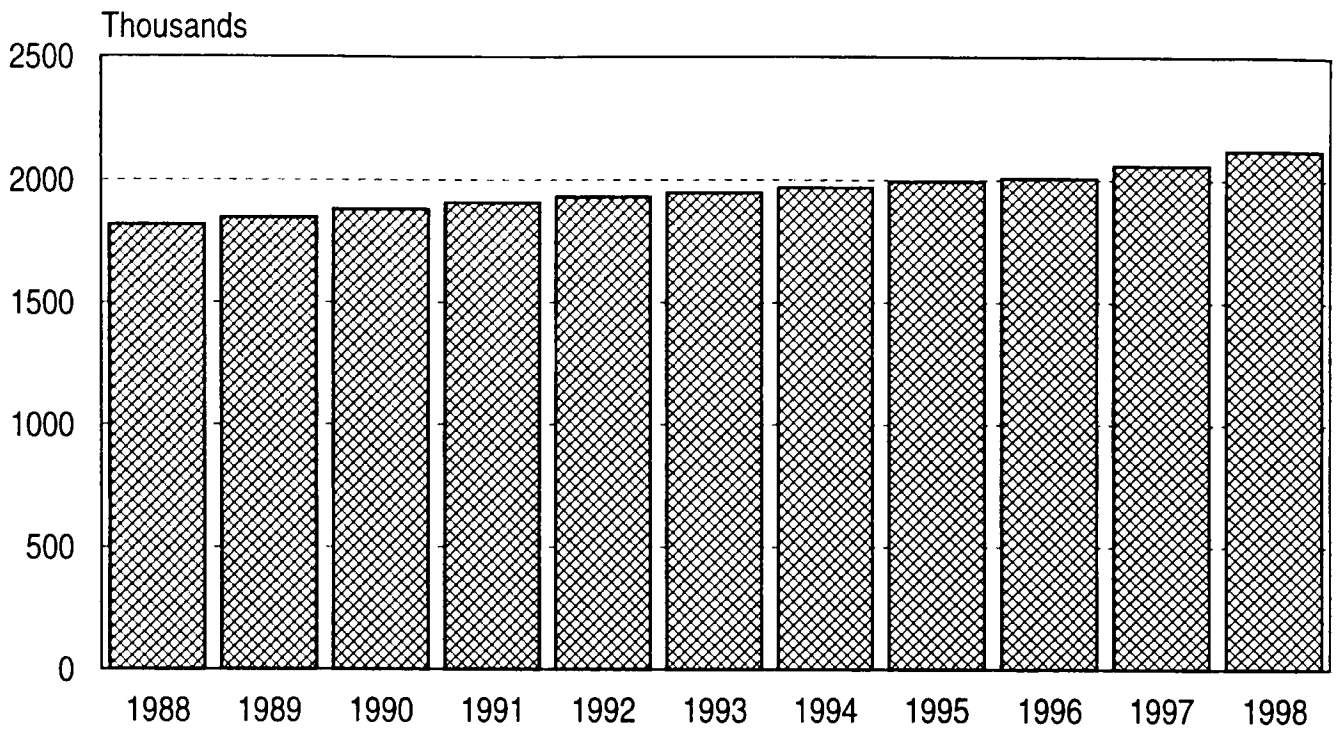
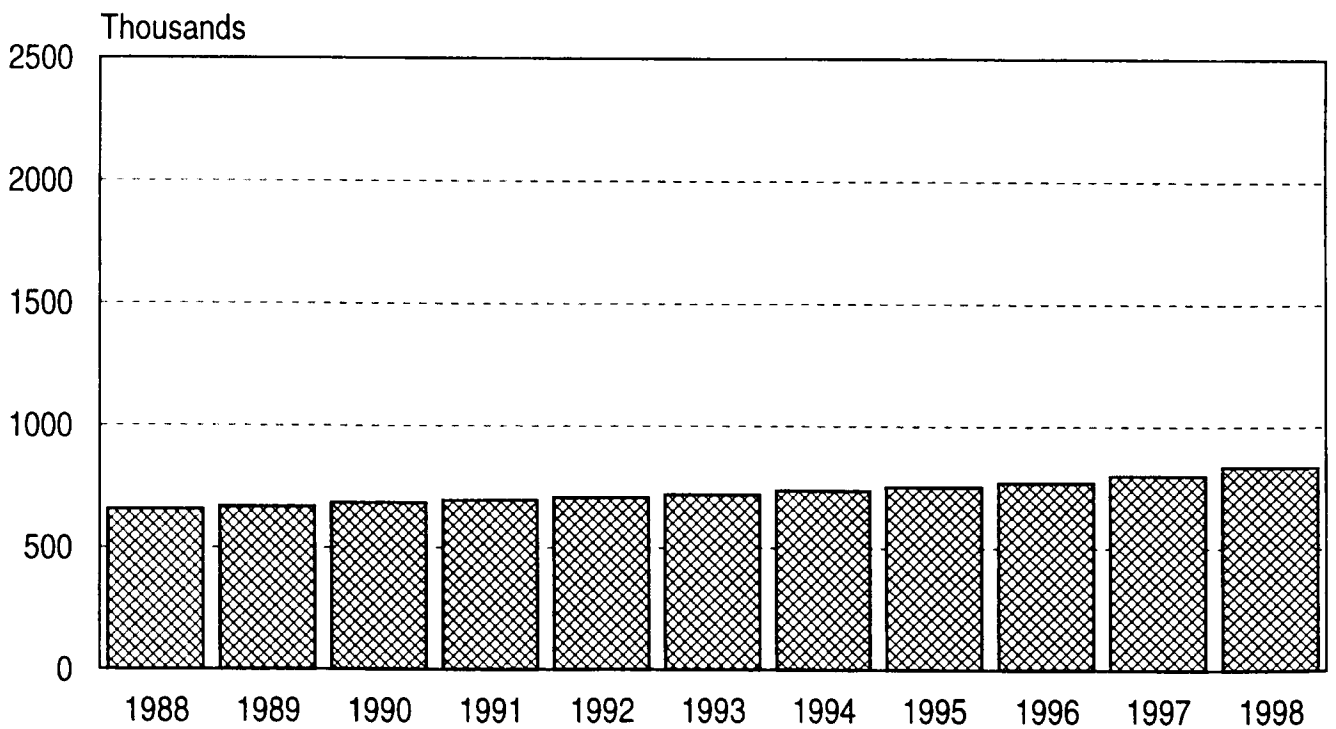


Figure 2. Truck registrations in Iowa, 1988-1998.



Salaries of Elected Officials in Iowa's Counties: Fiscal Years 1989-1999

Margaret Hanson, Iowa State University
Willis Goudy, Iowa State University
Cris Plocher, Iowa State Association of Counties

The Iowa State Association of Counties annually gathers information from county auditors regarding salaries of elected officials. Information is available on those elected to the roles of county attorney, auditor, recorder, sheriff, supervisor, and treasurer.

Large differences in salaries among certain categories of county officials (Figure 1) must be interpreted with caution. For example, attorneys serve part-time in some counties while their positions are thought of as full-time in others. The same can be said about supervisors; also, a differential is paid to the chairperson of the board of supervisors in some counties.

County Attorneys

Salaries of county attorneys ranged from \$21,751 in Ringgold to \$113,748 in Polk in fiscal year 1999 (which ran from July of 1998 through June of 1999) (Table 1). This relatively great range indicates differences arising from part- versus full-time appointments, among other factors. Attorneys in 28 counties received salaries greater than \$50,000 that year, although they exceeded \$75,000 only in Johnson, Linn, Polk, Scott, Story, and Woodbury. Only Ringgold and Wayne were below \$25,000; nine others were less than \$30,000. Statewide, salaries for county attorneys averaged (mean) about \$44,400.

The position of county attorney experienced an average salary increase across the state of nearly \$17,000 from 1989 to 1999. These averages jumped by at least \$1,000 each year. In only Page was the 1999 salary lower than that reported in 1989. Gains in 15 others were less than \$10,000, although they grew by at least \$20,000 in 27 counties. Johnson, Polk, and Warren had increases greater than \$40,000.

When adjusted for inflation, however, changes are less dramatic. The adjusted figures yield an increase of \$7,005 from 1989 to 1999, which indicates that inflation eroded some of the purchasing power of the annual salary increases. In fact, in eight counties, 1989 salaries adjusted for inflation were higher than the 1999 figures. Caution must be repeated, of course; changes could have occurred in the part/full status of this position in some counties.

County Auditors

The average salary of Iowa's county auditors was nearly \$33,900 in 1999 (Table 2). Linn, Polk, Scott, and Woodbury paid at least \$50,000 to those elected as auditors and another eight counties were in the \$40,000-\$49,999 range. Only Decatur and Ringgold allocated less than \$25,000 to this position; another 20 varied from \$25,000 to \$29,999.

Average salaries for auditors increased by \$11,400 between 1989 and 1999. In six of the year-to-year comparisons, gains in the statewide average topped \$1,000. Increases ranged from less than \$5,000 in Appanoose to more than \$20,000 in Linn, Polk, and Woodbury. When controlled for inflation, Appanoose, Decatur, and Hardin reported lower auditor salaries in 1999 than in 1989. Most (60) counties increased by \$1,000 to \$3,999; only Linn, Marion, Polk, Warren, and Woodbury had inflation-adjusted gains greater than \$8,000 across the years examined.

Table 1. Salaries (unadjusted and adjusted for inflation to 1998 dollars) for County Attorneys in Iowa's Counties, Fiscal Years 1989-1999.

County	Unadjusted											Adjusted	
	1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1994	1989
Adair	31762	28762	27392	26698	25971	25638	24891	24166	22929	20428	19455	28819	26558
Adams	25868	24993	23656	23316	23316	22206	22206	18505	17624	16626	15685	24961	21412
Allamakee	27500	26500	25675	24926	24200	23690	23690	23000	23000	19910	19144	26630	26133
Appanoose	49549	48454	47015	45909	44284	43138	41400	41400	40000	40000	39700	48491	54194
Audubon	30484	28984	28140	27433	26843	24993	24266	23111	21721	20687	18930	28094	25841
Benton	52495	49524	47619	46098	44275	41275	41275	39775	37000	36000	32384	46397	44207
Black Hawk	71425	68024	63243	61401	59903	57599	53821	53821	53821	51951	46902	64746	64026
Boone	46785	44986	43676	42404	40578	39300	39300	37800	36000	32700	31500	44177	43001
Bremer	41037	38353	36181	35127	33455	31862	30933	29000	26000	24000	22000	35816	30032
Buchanan	47230	46030	45030	44030	41780	41780	40280	39680	36680	33800	33000	46964	45048
Buena Vista	37783	35311	33312	32468	30630	30326	30326	30326	29160	27000	23700	34089	32353
Butler	34052	31069	30018	29144	28350	28350	27412	27412	25500	22300	21115	31868	28824
Calhoun	48315	46014	43004	41350	31350	31350	30750	30000	27500	25000	22070	35240	30128
Carroll	37041	35541	34174	33174	32208	30708	30708	30105	28948	27054	24216	34518	33057
Cass	39981	38816	37504	36450	29649	26647	25394	25394	24065	22465	21396	29953	29208
Cedar	39735	37881	36306	34251	32191	31253	30051	29176	26356	23680	23000	35131	31397
Cerro Gordo	67000	65000	60375	58500	54500	49024	46048	46011	42024	41200	40380	55107	55123
Cherokee	32000	32000	30138	29620	27160	26760	26265	25500	25000	23000	21175	30080	28906
Chickasaw	35228	34386	33035	31779	29558	28116	27366	27366	26241	24992	22215	31605	30326
Clarke	34506	31506	30797	29900	28476	27953	26775	25500	23856	23388	22488	31422	30698
Clay	36397	34663	33654	32674	31722	31039	30282	29400	28000	26717	23585	34890	32196
Clayton	28810	27702	26383	25127	24574	24574	23858	23164	22061	20618	19825	27623	27063
Clinton	67685	65918	64373	62864	62118	61200	60000	60000	35754	33415	32130	68794	43861
Crawford	35214	33537	32879	31615	29826	29240	28398	26782	24347	22969	21267	32868	29032
Dallas	55000	44978	63668	42396	41769	38539	38539	34156	34205	34205	29235	43321	39909
Davis	28780	27740	26880	25600	24903	23582	23120	21228	19471	18722	18177	26508	24813
Decatur	26698	22698	22252	21500	20874	20071	20071	19677	18563	17849	17245	22561	23541
Delaware	46790	44990	43680	42000	39384	38802	37672	36575	36575	35000	32860	43617	44857
Des Moines	59870	57662	53609	52697	48588	46042	46393	45000	32769	31298	30240	51755	41281
Dickinson	36442	35041	34020	32400	30000	44894	43586	42950	40552	38365	34625	50465	47267
Dubuque	68927	66276	63726	61870	59778	56130	53255	53225	50241	45620	43776	63095	59759
Emmet	32801	30195	27651	27651	26716	26192	25429	24809	23628	21551	20695	29442	28251
Fayette	39113	38250	37250	35417	35417	35417	34667	33657	31164	29400	28000	39812	38223
Floyd	54943	49843	45391	44501	43121	31482	31482	30595	29000	26221	25092	35388	34253
Franklin	32800	31179	30303	29503	28728	28008	24008	23422	21293	20277	19404	31483	26488
Fremont	35553	36040	34991	33291	32322	31079	30771	29771	28626	28626	29772	34935	40642
Greene	47338	46382	45317	42635	41270	40068	40068	37800	36000	32450	31050	45040	42386
Grundy	32700	30600	29100	28000	26600	25175	24425	23825	21825	20250	18499	28299	25253
Guthrie	46750	42500	42500	28366	27275	25925	25925	25000	23600	19676	18510	29142	25268
Hamilton	43857	42257	40757	39257	38287	37172	36528	34843	32843	31344	30343	41784	41421
Hancock	31200	30500	29361	28511	26711	26711	25711	25207	22807	21930	21500	30025	29350
Hardin	35550	33545	31950	37900	37900	37400	36300	35300	34200	32900	31900	42041	43547
Harrison	34680	33834	32690	31740	30380	28000	28000	26100	25100	24000	22750	31474	31056
Henry	54135	52560	50780	49420	47750	46125	45000	43500	41000	39380	35800	51848	48870
Howard	27292	26500	25500	24000	22929	22029	21654	20881	19887	18500	17253	24762	23552
Humboldt	36488	35000	34534	33528	32551	31581	30364	29916	27960	26756	25648	35500	35012
Ida	27719	26653	25877	24882	22216	22216	21933	21200	20000	18052	17400	24973	23753
Iowa	34939	31763	30689	29651	28511	27414	27414	26326	25075	23270	22157	30816	30246
Jackson	50141	48282	45706	43911	42823	42823	41575	40170	38774	36400	35000	48137	47778
Jasper	53000	52798	50058	48589	46364	44796	43073	43073	40634	38699	36891	50354	50360

Table 1. Salaries (unadjusted and adjusted for inflation to 1998 dollars) for County Attorneys in Iowa's Counties, Fiscal Years 1989-1999 (continued).

County	Unadjusted											Adjusted	
	1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1994	1989
Jefferson	37050	35950	34700	33700	32550	31550	31250	30650	30650	29150	27500	35465	37540
Johnson	80710	77606	75162	72621	70165	67466	64872	63599	47177	44091	39367	75837	53740
Jones	49326	47430	45171	43253	41993	38883	38883	37750	37250	35750	30606	43708	41780
Keokuk	44495	43452	42600	39814	37845	37103	37103	34500	32000	31500	30000	41707	40953
Kossuth	36426	35262	33744	32224	32224	31285	29852	29484	28080	26000	25000	35167	34127
Lee	61981	56346	54705	52600	50383	48632	48632	48632	44304	41600	40000	54666	54604
Linn	90542	87905	84523	82061	79671	76977	74016	71513	67757	61597	57300	86529	78220
Louisa	33648	32988	31719	30426	28977	28977	28340	27250	26750	25175	24090	32573	32885
Lucas	30520	29620	28480	27650	26850	26068	25432	24933	24132	22529	19763	29303	26978
Lyon	45000	42660	38700	38700	37500	35000	32124	32124	29745	28600	27500	39343	37540
Madison	32522	26229	25514	24533	23585	22898	21300	21300	21300	20300	19350	25739	26415
Mahaska	57910	56500	54850	53510	52360	51330	50320	48615	46300	45390	44500	57699	60747
Marion	53052	52604	50922	48683	46894	44185	42435	34500	32500	29000	24161	49668	32982
Marshall	54856	48979	48979	48979	48979	47645	43314	43314	40035	37361	35722	53557	48764
Mills	45875	45875	44974	42831	41617	41205	41000	41000	21593	19674	19674	46318	26857
Mitchell	34413	31713	30789	29521	28523	27784	27240	26370	23865	22409	20711	31232	28273
Monona	35774	34766	33786	32930	32180	31365	29590	29270	28380	27880	27380	35257	37376
Monroe	45073	43073	41818	41200	40000	38812	37500	37500	21904	20401	20401	43628	27849
Montgomery	31016	29540	28679	27055	25524	24542	24542	23542	22421	21152	19955	27587	27241
Muscatine	43402	41602	40226	38926	37610	35663	34228	33231	33231	31350	30000	40088	40953
O'Brien	32426	30926	29737	28225	27400	26400	25200	24400	22400	21500	19800	29676	27029
Osceola	52744	51744	49440	28400	25875	25200	25200	24720	24000	20450	19292	28327	26335
Page	38616	36953	34990	33970	33050	32000	31000	30000	28000	24000	40000	35971	54604
Palo Alto	50395	48225	46725	44500	42500	41400	40000	40000	36000	35828	34450	46537	47028
Plymouth	49542	46301	43680	41600	40000	32467	30921	28630	26028	24100	22374	36496	30543
Pocahontas	34200	32994	32567	31466	30550	30150	30150	30150	27650	24650	19650	33891	26824
Polk	113748	104356	98626	92909	89336	85900	80168	77085	70725	69500	60500	96559	82588
Pottawattamie	58795	56533	52345	49382	46808	41793	40625	40625	44182	41570	39560	46979	54003
Poweshiek	34176	33181	32215	31277	30366	29382	27976	27563	26250	25000	21309	33028	29089
Ringgold	21751	21220	20703	20099	19142	19142	18585	17956	16781	15683	14657	21517	20008
Sac	34420	33256	28256	26506	26506	26006	26006	25006	24106	21875	20375	29233	27814
Scott	76632	74400	71500	65000	62000	60000	58240	56000	53000	49800	48000	67445	65525
Shelby	31007	30104	28135	27316	26265	25750	25000	25000	23000	21798	20760	28945	28339
Sioux	47880	46830	44390	43010	41920	40800	39800	38600	36550	33550	30500	45863	41635
Story	77984	74985	72100	70000	65000	57975	56400	54000	49500	46750	46000	65169	62794
Tama	47091	43603	42333	41100	40350	38549	38549	36349	36349	34292	31000	43332	42318
Taylor	27210	26417	25648	24661	23943	23246	23246	22352	21492	20469	19494	26130	26611
Union	46326	45426	44103	43239	41008	40213	40213	37705	35075	18707	16797	45203	22930
Van Buren	27754	27154	26044	25838	25353	24723	23887	23887	21547	18849	18300	27791	24981
Wapello	50414	48946	46045	46045	43852	42991	41537	39559	38130	37200	24926	48326	34026
Warren	68080	68080	64838	61400	61400	55825	55000	35930	32600	29751	27093	62752	36985
Washington	56000	53500	52222	52222	51073	48780	43920	43920	40000	36504	35484	54833	48439
Wayne	24709	24709	23995	23295	22400	21482	19585	18770	17700	16950	16500	24148	22524
Webster	58930	56859	54515	52100	46814	45242	44103	43246	41381	39822	38107	50856	52020
Winnebago	32983	32400	31200	30000	28000	26500	25200	25200	24000	22000	19793	29788	27019
Winneshiek	36015	34465	30865	30865	30865	29865	28865	26775	25500	24000	23000	33571	31397
Woodbury	78179	73545	71403	66114	64500	64500	59360	56000	51850	48750	43500	72503	59382
Worth	31176	29411	27746	27146	26496	25233	24498	24498	23500	22000	20500	28364	27985
Wright	37000	34000	33500	32500	31500	29500	28000	28000	25300	24000	22900	33160	31261
Averages	44355	42350	40826	38958	37372	36001	34908	33693	31125	29100	27360	40468	37350

Table 2. Salaries (unadjusted and adjusted for inflation to 1998 dollars) for County Auditors in Iowa's Counties, Fiscal Years 1989-1999.

County	Unadjusted											Adjusted	
	1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1994	1989
Adair	28092	26892	25611	24962	24282	23970	23272	22594	21437	19437	18511	26944	25269
Adams	26474	25579	24594	24254	23879	22742	22742	21973	20927	19742	18625	25564	25425
Allamakee	27500	26500	25675	24200	24200	23690	23690	23000	23000	19910	19144	26630	26133
Appanoose	30095	29105	27305	26518	25410	24764	23572	23572	22300	21300	26000	27837	35493
Audubon	30013	28613	27780	27088	26498	25827	25075	23881	22445	21376	20266	29032	27665
Benton	35909	33876	32573	31533	30320	28612	28612	27412	25500	23500	21726	32162	29658
Black Hawk	46455	44243	42136	40909	39911	38376	35859	35859	35859	34613	31225	43138	42625
Boone	35000	33654	32674	31722	30356	29400	29400	29400	28000	23900	23000	33048	31397
Bremer	33946	32329	31757	30832	29790	28923	28080	27000	25500	24000	22366	32512	30532
Buchanan	34195	32995	31995	30995	29270	29270	28370	27870	24870	23700	23100	32902	31534
Buena Vista	33086	31213	29727	28974	28129	27851	27040	27040	26000	25000	23200	31307	31670
Butler	30623	28355	27583	26780	26050	26050	25198	25198	23856	22300	21115	29282	28824
Calhoun	30466	29015	27633	26317	25550	24800	24300	23700	22500	21022	20021	27877	27331
Carroll	36381	34881	33539	32539	31591	30091	30091	29500	28365	26510	25340	33825	34592
Cass	34203	33207	29707	28912	28152	26658	26065	26065	24700	23100	22002	29966	30035
Cedar	32763	31751	30176	29015	27899	27086	26044	25285	24276	23260	22300	30447	30442
Cerro Gordo	41000	39000	37313	36000	33500	30288	29328	29328	27336	26110	24632	34046	33625
Cherokee	31750	31750	30729	29834	28834	28434	27938	27125	26500	24250	23100	31962	31534
Chickasaw	29580	28873	27849	26649	25747	24994	24244	24244	23164	22061	20715	28095	28278
Clarke	31463	28463	27500	26446	25187	24374	23214	22321	21671	20639	19845	27398	27090
Clay	36397	34663	33654	32674	31722	31039	30282	29400	28000	26717	23585	34890	32196
Clayton	29719	28576	27215	25919	25349	25349	24611	23894	22331	21067	20257	28494	27653
Clinton	38267	36781	35511	33982	33089	32125	30164	30164	28456	26847	25911	36111	35371
Crawford	30329	29445	29153	28304	27480	27074	26286	25520	23200	21886	20648	30433	28187
Dallas	40306	38756	37627	36531	35991	33983	33983	30482	30482	30482	26053	38200	35565
Davis	27096	26177	25307	24570	23900	23249	22793	22131	20878	20075	19490	26134	26606
Decatur	24635	23635	23171	22717	22055	21207	22107	20791	19614	18860	18222	23838	24875
Delaware	30932	29742	28326	27237	26443	26053	25294	24557	23500	22000	20646	29286	28184
Des Moines	37373	36256	34034	33558	31374	29984	29372	28268	26333	25151	24300	33705	33172
Dickinson	35687	34150	32837	31273	30213	29191	28341	27928	26588	25154	23853	32813	32562
Dubuque	43717	42444	41611	40399	39033	37532	36653	36653	31598	28710	27550	42189	37608
Emmet	32387	31368	29874	28725	27754	27210	26417	25773	24546	23377	22380	30586	30551
Fayette	33554	32575	31279	30392	29592	29592	29092	28245	26900	25725	24500	33264	33445
Floyd	32072	31137	29730	29147	27662	26598	26598	25848	24500	23171	22068	29898	30125
Franklin	29025	28025	27225	26500	25309	24668	23968	23383	22059	20560	19961	27729	27249
Fremont	29123	28275	27451	26651	25875	24880	24634	23634	22088	20452	20452	27967	27919
Greene	29081	28575	27919	26838	26176	25291	25291	24413	23250	21700	20500	28429	27985
Grundy	30000	28730	27730	26900	26000	25100	24350	23750	22509	21365	20365	28215	27800
Guthrie	30559	27781	27781	27125	26082	24732	24732	23850	22500	21420	20150	27801	27507
Hamilton	34617	33417	32317	31317	30609	29718	29136	28046	26746	25246	24046	33406	32825
Hancock	32950	32150	31040	30340	28540	28540	27540	27000	24515	23572	22450	32081	30646
Hardin	31200	30282	29400	28550	27450	27100	26300	25800	24700	23700	23300	30463	31807
Harrison	32373	31278	30220	29340	28080	26000	26000	25000	24000	22950	21750	29226	29691
Henry	32500	31540	30470	29655	28650	27553	26750	25750	23200	22000	20900	30972	28531
Howard	28292	27500	26500	25000	24277	23710	23410	22575	21500	20000	18680	26652	25500
Humboldt	30000	29050	28196	27375	26578	25786	24761	24396	22633	21659	20630	28986	28162
Ida	27939	27284	26489	25594	24445	24445	24140	23540	22000	20438	19700	27478	26892
Iowa	31261	28419	27458	26893	25859	24985	24985	23891	22756	20974	19745	28085	26954
Jackson	32672	31344	30361	29722	28444	28444	27615	26682	25365	23920	21569	31973	29444
Jasper	39690	37800	34688	33678	31742	30669	29489	29489	27820	26000	24610	34475	33595

Table 2. Salaries (unadjusted and adjusted for inflation to 1998 dollars) for County Auditors in Iowa's Counties, Fiscal Years 1989-1999 (continued).

County	Unadjusted											Adjusted	
	1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1994	1989
Jefferson	31250	30300	29250	28400	27400	26300	26000	25000	23700	22500	21200	29563	28940
Johnson	48785	46909	45432	43896	42411	40780	39212	38443	36267	33894	30263	45840	41312
Jones	33852	32550	30550	30098	29222	27568	27568	26765	25250	24250	22500	30989	30715
Keokuk	26361	25593	24908	24300	23600	23000	23000	22100	20500	20000	19100	25854	26073
Kossuth	32574	31811	30660	29292	29292	28439	27137	26868	25588	24232	23300	31968	31807
Lee	37145	36063	35012	33667	32246	31126	31126	31126	27801	26104	25100	34988	34264
Linn	58926	57210	55009	53407	51851	50098	48171	46542	44097	40088	37291	56314	50906
Louisa	31519	31519	30306	29071	27686	27686	27210	26418	25280	23280	22277	31121	30410
Lucas	29023	28173	27192	26400	25500	24224	23633	23170	22178	20794	18822	27230	25694
Lyon	31000	29300	28100	28100	27000	25950	24883	24883	23255	22360	21500	29170	29350
Madison	30189	29029	27489	26432	25411	24671	22950	22950	22950	21450	19500	27732	26619
Mahaska	33230	31950	30720	29830	28960	28390	27560	26250	25000	23360	21830	31913	29800
Marion	37084	36108	34389	32877	32158	30467	29601	28600	27000	24000	20754	34247	28331
Marshall	35840	35000	35000	35000	34728	33782	33033	33033	31610	29515	26235	37974	35813
Mills	29395	28264	27177	25883	24650	23702	23237	22781	21593	19674	18674	26643	25492
Mitchell	31355	30155	29277	28048	26616	25927	25419	24607	23105	21695	20821	29144	28423
Monona	33020	31750	30500	28863	28113	27401	25850	25340	23660	21160	19760	30801	26974
Monroe	28523	26523	25750	25000	24000	22979	22202	22202	20946	19437	18689	25830	25512
Montgomery	31016	29540	28679	27055	25524	24542	24542	23542	22421	21152	19955	27587	27241
Muscatine	37290	35990	35149	34149	33154	32188	30995	30387	28940	27562	26375	36182	36004
O'Brien	32937	31737	30516	29004	28260	27260	26540	25900	24900	24000	21800	30643	29759
Osceola	29259	28259	26987	26200	23815	23140	23140	22660	22000	20450	19292	26011	26335
Page	32719	31310	30375	29490	28690	27850	27200	26200	25000	21000	19502	31306	26622
Palo Alto	32995	31575	30450	29000	28000	26910	26000	26000	24000	21720	20885	30249	28510
Plymouth	34439	33139	31864	30788	29890	29133	28422	27329	26028	24100	22374	32748	30543
Pocahontas	30000	28117	27184	26265	25500	24900	24900	24900	23600	22400	20900	27990	28531
Polk	65060	61962	57372	55165	53043	51003	49041	47155	43863	42792	40755	57332	55635
Pottawattamie	40159	38614	35754	32403	31133	30227	29671	29671	29045	26421	25360	33978	34619
Poweshiek	33084	31812	30885	29985	29112	28538	27976	27563	26250	25000	21682	32079	29598
Ringgold	23877	23294	22726	22064	21013	21013	20401	19711	18422	17217	16090	23620	21964
Sac	28631	27663	26113	25475	25475	24035	24035	23685	22785	21000	19500	27017	26619
Scott	53560	52000	50000	46300	44300	43000	41600	40000	38000	35000	33750	48336	46072
Shelby	30855	29956	27996	27181	26136	25750	25000	25000	23700	22344	21280	28945	29049
Sicux	41840	40920	39160	37950	36990	36000	35000	33800	32000	30000	27500	40467	37540
Story	45677	43920	42230	41000	39500	37925	37100	35500	32500	29250	28500	42631	38905
Tama	30293	29411	28554	27722	26972	26511	26511	24511	24511	21973	20208	29801	27586
Taylor	26314	25548	24804	23850	23155	22481	22481	21616	20785	19795	18852	25271	25735
Union	30530	30030	29155	28390	26591	25791	25791	23838	22409	19486	18558	28991	25333
Van Buren	33692	32692	30944	29526	28103	26420	25404	25404	22189	20909	20300	29698	27711
Wapello	34570	32613	30680	30680	29150	28438	27476	26168	23209	22104	21051	31967	28737
Warren	39503	38352	26526	34400	34400	29912	29043	28529	27300	24897	22931	33624	31303
Washington	35600	34500	31125	31125	30440	28854	26900	26900	24800	23373	22833	32434	31169
Wayne	26336	26336	25575	24825	23870	23016	21770	21165	19850	18850	18200	25872	24845
Webster	38226	36452	35050	34000	31538	30575	29705	29152	27719	26083	24723	34369	33749
Winnebago	34816	34200	33000	31800	30500	29000	27000	27000	25800	24000	22534	32598	30761
Winneshiek	32209	31046	28436	28436	27686	26836	25836	25436	24225	23225	22225	30166	30339
Woodbury	53851	50659	49182	47750	39950	39950	38750	37250	35125	32750	31500	44907	43001
Worth	29895	28464	27642	26742	26291	25526	24781	24781	23772	22272	20772	28693	28356
Wright	34400	32900	32400	31400	29900	28900	27400	27400	25850	24500	22500	32486	30715
Averages	33893	32613	31229	30304	29184	28244	27530	26853	25389	23781	22473	31748	30678

Table 3. Salaries (unadjusted and adjusted for inflation to 1998 dollars) for County Recorders in Iowa's Counties, Fiscal Years 1989-1999.

County	Unadjusted											Adjusted	
	1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1994	1989
Adair	28092	26892	25611	24962	24282	23970	23272	22594	21437	19437	18511	26944	25269
Adams	26474	25579	24594	24254	23879	22742	22742	21973	20927	19742	18625	25564	25425
Allamakee	27500	26500	25675	24926	24200	23690	23690	23000	23000	19910	19144	26630	26133
Appanoose	30095	29105	27305	26518	25410	24764	23572	23572	22300	21300	20300	27837	27711
Audubon	27823	26623	25848	25208	24618	23669	22980	22311	21168	20160	18423	26606	25149
Benton	35909	33876	32573	31533	30320	28612	28612	27412	25500	23000	21226	32162	28976
Black Hawk	46389	44180	42076	40850	39854	38321	35807	35807	35807	34563	31125	43076	42489
Boone	35000	33654	32674	31722	30356	29400	29400	27300	26000	23900	23000	33048	31397
Bremer	33710	32104	31169	30262	29239	28387	27560	26500	25000	24000	22366	31909	30532
Buchanan	34120	32920	31920	30920	28970	28970	27970	27370	24370	23200	22500	32565	30715
Buena Vista	33086	31213	29727	28974	28129	27851	27040	27040	26000	25000	23200	31307	31670
Butler	30623	28355	27583	26780	26050	26050	25198	25198	23856	22300	21115	29282	28824
Calhoun	30466	29015	27633	26317	25200	24500	24000	23700	22500	21022	20021	27540	27331
Carroll	32107	30607	29430	28430	27602	26102	26102	25590	24606	22574	21597	29341	29482
Cass	34179	33184	29684	28889	28130	26568	25887	25887	24532	22260	21202	29865	28943
Cedar	32691	31620	30045	28889	27778	26969	25932	25177	24073	22930	21750	30315	29691
Cerro Gordo	40500	37500	35500	34000	31500	29749	28798	28787	26821	25925	24458	33440	33388
Cherokee	29750	29750	28740	27903	26903	26503	26007	25250	25000	23450	22303	29792	30446
Chickasaw	29543	28837	27486	26286	25273	24546	23796	23796	22885	21795	20465	27592	27937
Clarke	28929	25929	25051	24322	23613	23227	22550	21683	21052	20639	19845	26109	27090
Clay	36397	34663	33654	32674	31722	31039	30282	29400	27500	26717	23585	34890	32196
Clayton	29719	28576	27215	25919	25349	25349	24611	23894	22331	21067	20257	28494	27653
Clinton	36505	34478	33267	32173	31697	31076	29596	29596	27920	26440	25423	34932	34705
Crawford	30329	29445	29153	28304	27480	27074	26286	25520	22745	21061	20648	30433	28187
Dallas	40306	38756	37447	36356	35819	33638	33638	29897	29897	29897	25553	37812	34882
Davis	27096	26117	25307	24570	23900	23249	22793	22131	20878	20075	19490	26134	26606
Decatur	24635	23635	23171	22717	22055	21207	21207	20791	19614	18860	18222	23838	24875
Delaware	30932	29742	28326	27237	26443	26053	25294	24557	23500	22000	20646	29286	28184
Des Moines	36032	34834	32543	32048	29921	28541	27902	26770	24869	23753	22950	32082	31329
Dickinson	35509	33980	32517	30969	30067	29191	28341	27928	26588	25154	23683	32813	32330
Dubuque	41966	40744	39305	38160	36870	35452	34221	34221	30830	28220	27050	39851	36926
Emmet	30978	29374	27975	26899	25989	25479	24737	24134	22985	21291	20433	28641	27893
Fayette	33188	32250	31272	30337	29315	29315	28815	27976	26900	25725	24500	32953	33445
Floyd	32072	30864	29118	28547	27662	26598	26598	25848	24500	23061	22068	29898	30125
Franklin	28468	27518	26717	25992	25309	24668	23968	23383	22059	20361	19961	27729	27249
Fremont	29123	28275	27451	26651	25875	24880	24634	23634	22088	20452	20452	27967	27919
Greene	28296	27679	27044	25578	24657	23822	23822	22995	21900	20500	19300	26778	26346
Grundy	29700	28430	27130	26300	25400	24600	23850	23250	22050	21000	19996	27652	27296
Guthrie	28951	26319	26319	25777	24786	23436	23436	22600	21600	20357	19150	26344	26142
Hamilton	32121	30921	29821	28821	27989	27174	26620	25620	24420	22920	21720	30546	29650
Hancock	30960	30200	29157	28307	26207	26207	25207	24713	23536	22631	21350	29459	29145
Hardin	31200	30282	29200	28350	27250	26900	25800	25300	24200	23200	22400	30238	30578
Harrison	32060	31278	30220	29340	28080	26000	26000	25000	24000	22950	21750	29226	29691
Henry	32500	31540	30470	29655	28650	27553	26750	25750	23200	22000	20900	30972	28531
Howard	28292	27500	26500	24800	24110	23710	23410	22575	21500	20000	18680	26652	25500
Humboldt	29750	28550	27657	26736	25957	25183	24202	23868	22218	21262	20215	28308	27595
Ida	27294	26448	25431	24536	23180	23180	22860	22260	21000	19608	18900	26056	25800
Iowa	31261	28419	27458	26893	25859	24985	24985	23786	22553	20974	19745	28085	26954
Jackson	32510	31020	29549	28098	27197	27197	26404	25512	24030	21320	20221	30572	27604
Jasper	36040	34000	32141	31205	30474	29443	27602	27602	25440	24000	22193	33096	30296

Table 3. Salaries (unadjusted and adjusted for inflation to 1998 dollars) for County Recorders in Iowa's Counties, Fiscal Years 1989-1999 (continued).

County	Unadjusted											Adjusted	
	1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1994	1989
Jefferson	30900	30000	28950	28100	27150	26250	25500	24500	23200	22000	20700	29507	28258
Johnson	48316	46909	45432	43896	42411	40780	39212	38443	36267	33894	30263	45840	41312
Jones	31735	30515	28514	28093	27275	26226	26226	25462	24250	23250	21500	29480	29350
Keokuk	26361	25593	24908	24300	23600	23000	23000	22100	20500	20000	19100	25854	26073
Kossuth	32574	31811	30660	29292	29292	28439	27137	26868	25588	24232	23300	31968	31807
Lee	35508	34473	33469	32185	30828	29756	29756	29756	25696	24128	23200	33448	31670
Linn	58926	57210	55009	53407	51851	50098	48171	46542	44097	40088	37291	56314	50906
Louisa	30878	30272	29107	27921	26591	26591	26134	25373	24280	23280	22277	29891	30410
Lucas	29023	28173	27192	26400	25500	23919	23336	22675	21699	20271	18568	26887	25347
Lyon	31000	29300	28100	28100	27000	25950	24883	24883	23255	22360	21500	29170	29350
Madison	30189	29029	27489	26432	25411	24671	22950	22950	22950	21450	19500	27732	26619
Mahaska	32250	31010	29820	28950	28110	27560	26760	25484	24270	22680	21200	30980	28940
Marion	34333	34333	33175	31589	30832	29890	29601	28600	27000	24000	20754	33599	28331
Marshall	35840	35000	35000	35000	33275	32306	31633	31633	30271	27455	24910	36315	34005
Mills	29395	28264	27177	25883	24650	23702	23237	22781	21593	19674	19674	26643	26857
Mitchell	31055	30155	29277	28048	26616	25927	25419	24607	23105	21695	20821	29144	28423
Monona	28290	27493	26563	26563	25813	25159	23735	23250	21978	20478	19078	28281	26043
Monroe	28523	26522	25750	25000	24000	22979	22202	22202	20588	19063	18689	25830	25512
Montgomery	31016	29540	28679	27055	25524	24542	24542	23542	22421	21152	19955	27587	27241
Muscatine	35940	34340	33116	31816	30301	29418	28675	28112	26772	25498	24400	33068	33308
O'Brien	32400	31200	30000	28488	27720	26720	26000	25400	24400	23500	21300	30036	29077
Osceola	29259	28259	26987	26200	23815	23140	23140	22600	22000	20450	19292	26011	26335
Page	32450	31053	30125	29246	28450	27750	27200	26200	25000	21000	19491	31193	26607
Palo Alto	32995	31575	30450	29000	28000	26910	26000	26000	24000	21720	20885	30249	28510
Plymouth	34439	33139	31864	30788	29890	29133	28422	27329	26028	24100	22374	32748	30543
Pocahontas	30000	28117	27184	26265	25500	23100	23100	23100	22600	22400	20900	25966	28531
Polk	65060	61962	57372	55165	53043	51003	49041	47155	43863	42792	40755	57332	55635
Pottawattamie	39196	37688	34896	31724	30387	29388	28959	28959	28334	25709	24960	33035	34073
Poweshiek	32606	31656	30734	29985	29112	28538	27976	27563	26250	25000	21094	32079	28795
Ringgold	23877	23294	22726	22064	21013	21013	20401	19711	18422	17217	16090	23620	21964
Sac	28631	27663	26113	25475	25475	23979	23979	23629	22729	20625	19125	26954	26107
Scott	53560	52000	50000	46300	44300	43000	41600	40000	38000	35000	33750	48336	46072
Shelby	29622	28759	26886	26095	25091	24720	24000	24000	22600	21252	20240	27787	27630
Sioux	38620	36620	35040	33950	33090	32200	31200	30200	29000	27000	25500	36196	34810
Story	45677	43920	42230	41000	39500	36925	36100	34500	32500	29250	28500	41507	38905
Tama	29628	28765	27927	27113	26363	25355	25355	23335	23335	21341	19181	28501	26184
Taylor	26314	25548	24804	23850	23155	22481	22481	21616	20785	19795	18852	25271	25735
Union	30530	30030	29155	28390	26591	25791	25791	23838	22409	19486	18588	28991	25374
Van Buren	27806	26806	25704	24716	23865	23272	22377	22377	21058	19776	19200	26160	26210
Wapello	34391	32444	30520	30520	29067	28272	27316	26015	23073	21974	20928	31780	28569
Warren	38162	37050	35286	33415	33415	29056	28210	27712	26520	24187	22279	32661	30413
Washington	32500	31000	29209	29209	27839	26768	24890	24890	23000	21573	21082	30089	28779
Wayne	26336	26336	25575	24825	23870	23016	21770	21165	19850	18850	18200	25872	24845
Webster	37388	35776	34400	33000	30517	29473	28329	27790	26320	24812	23496	33130	32074
Winnebago	33289	32200	31000	29800	28500	27500	25700	25700	24500	22600	21235	30912	28988
Winneshiek	31128	29190	26400	26400	26400	25550	24550	24150	23000	22000	21000	28720	28667
Woodbury	*	*	*	*	*	35700	34650	33000	30500	28250	27000	40130	36858
Worth	30463	28464	27642	26742	26291	25526	24781	24781	23772	22272	20772	28693	28356
Wright	32975	30800	30300	29300	28550	27550	26050	26050	24225	23000	21750	30969	29691
Averages	32652	31359	30109	29121	28095	27543	26831	26151	24763	23207	21890	30961	29882

*Position eliminated.

Table 4. Salaries (unadjusted and adjusted for inflation to 1998 dollars) for County Sheriffs in Iowa's Counties, Fiscal Years 1989-1999.

County	Unadjusted											Adjusted	
	1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1994	1989
Adair	35864	34114	31882	31074	30227	29693	28828	27988	26554	23055	21957	33377	29973
Adams	32244	31153	29954	29614	29239	27847	27847	26521	24443	22221	20963	31302	28617
Allamakee	33950	32750	31766	29870	29000	27810	27810	27000	27000	22753	21669	31261	29580
Appanoose	40217	38955	37692	36759	35240	34317	32300	32300	29468	27800	26000	38575	35493
Audubon	34805	33305	31644	30857	30267	29421	28565	27733	26065	24824	22908	33072	31272
Benton	44134	41636	40035	38755	37265	34825	34825	33325	31000	27500	24450	39146	33377
Black Hawk	61971	59020	55943	54314	52989	50466	46685	46685	46685	45063	40125	56728	54775
Boone	44166	42467	41230	40029	38306	37100	37100	35700	34000	28100	27000	41704	36858
Bremer	45023	42879	40451	38130	36840	35767	34725	33390	31500	30500	27454	40205	37477
Buchanan	41120	39920	38920	37920	34770	34770	31770	31170	28170	25200	24200	39084	33035
Buena Vista	43255	40807	38864	37879	35735	35380	33696	33696	32400	30000	27500	39770	37540
Butler	38126	34023	32984	32023	31150	31150	30100	30100	28000	24500	23062	35015	31482
Calhoun	38688	36827	34418	32470	31525	30325	29725	29000	28000	25707	23803	34088	32493
Carroll	43237	41737	40132	39132	37992	36193	36193	35483	34118	31886	28995	40684	39581
Cass	39302	37790	36512	35534	34601	33102	32354	32354	30660	27860	26536	37209	36224
Cedar	42619	40670	39095	36882	34150	33155	31880	30654	28923	26850	25750	37269	35151
Cerro Gordo	55000	53000	49438	47750	43800	38460	36082	36046	33104	31500	29348	43232	40063
Cherokee	36550	36500	35535	34500	33392	32992	32496	31550	31300	28750	27170	37086	37090
Chickasaw	37429	36534	34734	33477	30955	29909	29159	29159	28034	26699	23733	33620	32398
Clarke	37062	34062	32910	31342	29850	28700	28304	26956	25430	24932	23973	32261	32725
Clay	41399	39427	38280	37164	36083	35306	34445	33490	31850	30376	27882	39687	38062
Clayton	37762	35964	34251	32620	31902	31902	30973	30071	28104	26265	25015	35861	34148
Clinton	51321	47905	45606	42393	40684	39120	36390	36396	33802	30717	29535	43974	40318
Crawford	37500	36009	35608	34571	32925	32438	31494	29711	27010	25481	23593	36463	32207
Dallas	46924	43248	41988	40765	40162	38325	38325	33301	33301	33031	28462	43081	38853
Davis	33302	32098	31103	29907	29092	27549	27009	25812	23681	22770	22107	30967	30178
Decatur	28839	26839	26312	25796	25045	24082	24082	23610	22274	21417	20693	27070	28248
Delaware	38477	36997	35235	33241	31658	31190	30282	29400	28000	26000	24904	35060	33996
Des Moines	47067	44984	41391	40633	37345	35379	34498	32945	30559	29187	28200	39769	38496
Dickinson	43595	42325	41092	39135	36920	35738	35738	35259	33251	31458	28188	40173	38479
Dubuque	57336	54867	52929	51388	49650	46620	45000	45000	39057	34222	31555	52405	43076
Emmet	38305	36471	34734	32768	31660	31039	30135	29400	28000	25480	24452	34890	33379
Fayette	40621	38583	38583	37724	36124	36125	35374	34344	31800	30000	27000	40608	36858
Floyd	46035	42194	37965	37221	36067	34242	34242	33277	31542	28545	26678	38491	36418
Franklin	38000	36141	35121	34196	32324	31505	30558	29813	27604	26286	24590	35414	33568
Fremont	35553	34517	33512	30512	29623	28484	28202	26702	24955	22686	22686	32018	30969
Greene	36762	35953	35127	34225	31755	30607	30607	28875	27500	24700	21700	34405	29623
Grundy	39370	38100	36500	35400	34000	32925	31800	31200	28330	27305	25600	37010	34946
Guthrie	36003	32730	32730	31919	29971	28621	28621	27600	26100	22695	21350	32172	29145
Hamilton	43442	40642	39142	37642	36474	35412	34745	33095	31095	28595	27395	39806	37397
Hancock	39150	38200	36887	35987	32987	32987	30987	30380	28932	27820	26000	37080	35493
Hardin	40250	38325	36500	34500	33150	32000	30800	30100	29000	27900	26300	35971	35902
Harrison	39162	38207	36915	35840	34300	31200	31200	28700	27500	26375	25000	35071	34127
Henry	42400	41165	39775	38710	37400	36100	35200	34000	30000	28000	26000	40579	35493
Howard	35490	34500	32500	30500	29189	28522	28022	26892	25370	23600	22031	32061	30074
Humboldt	37325	36150	35097	34075	33083	32098	30845	30300	27630	26441	25071	36081	34224
Ida	33645	32856	31899	30672	29156	29156	28813	28080	27000	25937	25000	32774	34127
Iowa	39276	35705	34498	33331	31744	30524	30524	28414	27089	24581	23222	34312	31700
Jackson	39371	38242	36956	34911	33824	33823	32838	31728	29219	26000	23590	38020	32203
Jasper	51940	49000	45512	44186	42651	41209	39624	39624	36520	33200	31525	46322	43035

Table 4. Salaries (unadjusted and adjusted for inflation to 1998 dollars) for County Sheriffs in Iowa's Counties, Fiscal Years 1989-1999 (continued).

County	Unadjusted											Adjusted	
	1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1994	1989
Jefferson	38900	37780	36530	35480	34310	33310	32260	30160	29000	27500	24950	37443	34059
Johnson	62445	59469	57596	55648	53766	51698	49708	48733	45975	42967	38364	58113	52371
Jones	41347	39758	37757	35757	34716	32445	32445	31500	28250	26250	24500	36471	33445
Keokuk	34133	33333	32679	31882	29250	28500	28500	27000	24500	23500	21500	32036	29350
Kossuth	39800	38697	37030	35358	35358	34329	32756	32432	30888	28600	27500	38589	37540
Lee	46718	44493	43197	41535	39784	38401	38401	38401	32875	26300	26300	43166	35902
Linn	73339	69188	64661	59322	57594	55647	53506	51697	48981	44528	41422	62552	56545
Louisa	38096	37349	35912	34448	32808	32808	31930	31000	29000	26768	24900	36879	33991
Lucas	37486	36636	35844	34800	33810	32826	32025	31397	26138	23977	21628	36899	29524
Lyon	40000	37200	35500	35500	34000	32000	30372	30372	28122	27040	26000	35971	35493
Madison	38876	37381	35874	34495	33162	32196	29950	29950	29950	28000	26000	36191	35493
Mahaska	41820	40410	39040	38090	37160	36080	34690	32424	30880	27820	26000	40557	35493
Marion	46952	44533	42659	41195	39611	37707	36742	34500	32500	29000	24829	42386	33894
Marshall	47578	46192	46192	46192	46192	44934	39649	39649	36986	32245	28090	50510	38346
Mills	37044	34620	33289	31704	30194	29033	28463	27905	26450	24100	22953	32636	31333
Mitchell	42209	41009	39815	38319	37023	36064	35357	34228	31319	28535	25341	40539	34593
Monona	38220	36400	35040	33182	33497	30888	29140	28550	26550	24050	22250	34721	30373
Monroe	34618	32618	31668	31200	30000	28909	27932	27932	25393	23651	22741	32496	31044
Montgomery	38950	36402	35341	32723	30299	28584	28584	27584	26023	24095	22731	32131	31030
Muscatine	46735	44235	42400	40000	38354	37238	35857	35154	33481	31586	29798	41859	40677
O'Brien	42100	39600	38077	36565	35500	34500	33300	32500	30900	30000	26300	38781	35902
Osceola	38223	37223	35625	34500	31360	30685	30865	30385	29500	26966	25440	34493	34728
Page	39808	38094	36575	35510	34550	33500	32500	31000	29000	26500	23521	37657	32108
Palo Alto	40581	37575	35700	34000	32000	29705	28700	28700	26500	23977	23054	33391	31471
Plymouth	46038	44301	41991	40571	39010	38022	36560	35154	33480	31000	27492	42740	37529
Pocahontas	36500	34994	33207	31930	31000	29100	29100	29100	27800	25800	23300	32711	31807
Polk	94584	90080	83407	80199	77114	73442	68002	65387	58041	56625	49700	82555	67845
Pottawattamie	55068	52445	48560	44963	42179	40951	39807	39807	39182	36557	34560	46032	47178
Poweshiek	41387	39605	37917	36111	34457	33340	32259	30870	29400	28000	24075	37477	32865
Ringgold	29781	28704	27667	26101	24858	24858	24134	23317	21792	20366	19034	27942	25983
Sac	37260	36000	32745	30995	30995	27995	27995	26995	25795	23775	22275	31469	30408
Scott	68083	66100	63500	56000	53500	51500	49400	47500	45000	41500	40000	57890	54604
Shelby	37361	36273	33900	32913	31256	30642	29750	29750	27500	25599	24380	34444	33281
Sioux	47880	46830	44390	43010	41920	40800	39800	38600	36550	33350	30500	45863	41635
Story	72415	69630	66950	65000	59000	54875	53600	52000	48000	44250	43500	61684	59382
Tama	38519	37397	33932	32943	32193	31114	31114	28914	28914	25655	23030	34975	31438
Taylor	31863	30935	30034	28878	28038	27221	27221	26174	25167	23742	21782	30599	29735
Union	35526	34776	33763	33430	31484	30684	30684	28542	25656	21380	20169	34491	27533
Van Buren	37140	36140	34101	32539	31156	29886	28737	28737	26366	23330	22650	33594	30919
Wapello	43304	40509	38108	38108	35615	34410	33246	31663	27178	25884	24652	38680	33652
Warren	50038	47655	45386	41600	41600	37839	36742	36928	33800	30368	27560	42534	37622
Washington	55000	53000	50894	50894	49857	47788	45150	45150	42000	40000	40000	53718	54604
Wayne	31664	31664	30750	29950	28800	27630	25260	24205	22700	21650	21000	31058	28667
Webster	49669	47337	45385	42900	39828	38143	36389	35711	34056	32491	31003	42876	42322
Winnebago	40109	39400	38200	37000	34700	32700	30700	30700	29500	27000	25818	36758	35244
Winneshiek	42473	39373	34873	34873	32245	31245	30245	29645	28233	26733	25733	35122	35128
Woodbury	62157	58473	56770	54325	53000	53000	49000	45500	41000	37500	34000	59576	46413
Worth	35533	33208	31329	30529	29879	28456	27627	27627	26500	25000	23500	31987	32080
Wright	40250	37750	37250	36250	35500	34500	33000	33000	30750	29000	26000	38781	35493
Averages	42687	40801	39060	37572	36038	34725	33646	32712	30651	28356	26401	39033	36041

Table 5. Salaries (unadjusted and adjusted for inflation to 1998 dollars) for County Supervisors in Iowa's Counties, Fiscal Years 1989-1999.

County	Unadjusted											Adjusted	
	1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1994	1989
Adair	17540	17540	17540	17096	16859	16643	16158	15687	14884	13534	13204	18708	18025
Adams	12234	11936	11701	11361	11111	10582	10582	10582	10078	9644	9098	11895	12420
Allamakee	18000	18000	17500	17500	17500	17500	17500	17500	17500	14359	14359	19671	19601
Appanoose	18092	17618	17271	16916	16374	16196	15625	15625	14935	14500	14000	18206	19111
Audubon	17904	17304	16800	16378	15788	15388	14940	14940	14175	13500	12480	17297	17036
Benton	23536	22204	21350	20668	19873	18775	18775	18275	17000	15000	14359	21105	19601
Black Hawk	25006	23815	23815	23815	23815	22899	22899	22899	22899	22450	20900	25740	28531
Boone	22707	21834	21198	20581	19695	19075	19075	18375	17500	16650	16000	21442	21842
Bremer	21575	20946	20336	19744	19076	18521	17981	17290	16225	15225	14500	20819	19794
Buchanan	23025	21825	20825	19825	19150	19150	18550	18300	16800	15900	15500	21526	21159
Buena Vista	18829	18105	17409	16968	16474	16310	15683	15683	15080	14500	13500	18334	18429
Butler	18604	17485	17312	16808	16350	16350	15844	15844	15000	14400	13850	18379	18907
Calhoun	20060	19105	18195	17665	17150	16800	16800	16500	15400	14735	14033	18885	19156
Carroll	19350	18750	18029	17695	17180	16362	16362	16362	15733	14983	14034	18392	19158
Cass	18335	17801	17199	16739	16299	15994	15738	15738	14915	13915	13252	17979	18090
Cedar	19925	19475	18687	17968	17277	16774	16129	15509	14791	14660	14100	18855	19248
Cerro Gordo	30500	28500	27350	26000	25000	23625	22249	22232	20289	19875	18750	26556	25596
Cherokee	16000	16000	15244	14800	14300	14300	14300	14300	14300	12000	11550	16074	15767
Chickasaw	17870	17443	16542	15823	15145	14790	14290	14290	13690	13038	11859	16625	16189
Clarke	17480	16480	16000	15524	15219	15219	14892	14600	14600	14314	13763	17107	18788
Clay	17469	16637	16152	16652	15682	15306	15225	15225	14500	13631	13157	17205	17961
Clayton	18830	18282	17923	17486	17270	17270	16767	16279	15504	14626	14200	19413	19384
Clinton	24228	23676	23467	22939	22533	22145	21191	21192	20376	19295	18553	24893	25327
Crawford	16571	16088	15928	15464	15014	15014	14577	14153	13351	13089	12833	16877	17518
Dallas	29577	28440	27611	26807	26807	26114	26114	23423	23423	23423	29020	29354	39615
Davis	17308	16682	16165	15848	15416	14996	14702	14312	14100	13557	13162	16857	17967
Decatur	16531	15781	15471	15168	14726	14160	14160	13882	13096	12592	12166	15917	16608
Delaware	20041	19571	19001	18448	17910	17646	17300	16961	16309	15609	15009	19836	20489
Des Moines	25039	24385	22871	22531	21645	20769	20448	19844	18583	18130	17517	23346	23912
Dickinson	20608	20008	19425	18859	18309	17906	17384	17130	16546	15654	14739	20128	20120
Dubuque	29644	28781	28216	27394	26468	25450	25000	25000	23583	22568	21921	28608	29924
Emmet	17352	16806	15855	15245	14729	14440	14019	13677	13026	12215	11723	16232	16003
Fayette	22725	22200	21568	20970	20170	20170	21170	19583	18830	18100	17200	22673	23480
Floyd	19796	19219	18659	18293	17726	17044	17044	16564	15700	14793	14156	19159	19324
Franklin	21000	17546	17045	16595	16160	15750	15527	15148	14290	13606	13210	17704	18033
Fremont	19217	18657	18114	17586	17074	16417	16254	15254	14256	13200	13200	18454	18019
Greene	14448	14448	14448	14395	14039	13597	13597	13125	12500	11900	11300	15284	15426
Grundy	15000	13800	13400	13000	12100	11675	11300	11000	10350	10000	9669	13124	13199
Guthrie	17448	15862	15862	15446	14852	14177	14177	13671	13200	12671	11920	15936	16272
Hamilton	25000	24500	23052	22302	21780	21146	20764	20014	19014	18214	17214	23770	23499
Hancock	20350	19850	19158	18658	17458	17458	16958	16626	15834	15225	14500	19624	19794
Hardin	24000	23100	23000	21500	20663	20325	18800	18300	16800	15600	15000	22847	20476
Harrison	19486	18827	18190	17660	16900	16900	16900	16900	16400	15700	14900	18997	20340
Henry	20355	19760	19090	18580	17950	17375	17000	16500	14800	14100	13500	19531	18429
Howard	16762	16300	15700	14800	14287	13987	13812	13319	12685	11800	11017	15723	15039
Humboldt	17553	17000	16063	15595	15141	14670	14140	13932	12913	12357	11478	16490	15669
Ida	16782	16389	15912	15374	14236	14236	13973	13520	13000	12450	12000	16002	16381
Iowa	18753	18753	18430	18051	17611	17351	17351	16928	16281	16005	15584	19504	21274
Jackson	19953	18906	18015	17529	17059	17058	16562	16002	16002	13988	13450	19175	18361
Jasper	25823	23800	21836	21200	20583	19887	19122	19122	18040	16380	15580	22355	21268

Table 5. Salaries (unadjusted and adjusted for inflation to 1998 dollars) for County Supervisors in Iowa's Counties, Fiscal Years 1989-1999 (continued).

County	Unadjusted											Adjusted	
	1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1994	1989
Jefferson	21750	21000	20900	20300	19600	19000	18450	17950	17250	16400	15600	21358	21296
Johnson	31919	30989	31013	28999	28184	27740	26673	26152	24672	23058	20588	31182	28105
Jones	17680	17000	15751	14751	14322	13905	13905	13500	13000	12500	12000	15630	16381
Keokuk	16519	16291	16050	15813	15060	15060	15060	14400	13000	12300	12300	16929	16791
Kossuth	20416	19938	19217	18229	18229	17698	16887	16720	15924	15080	14500	19894	19794
Lee	19661	19089	18532	17820	17576	17298	17298	17298	15725	14560	14000	19444	19111
Linn	58926	53603	50049	48592	44628	40943	38808	37496	35526	32297	30043	46023	41012
Louisa	18032	17679	16998	16998	16998	16998	16747	16500	16000	15296	15296	19107	20881
Lucas	17924	17374	16995	16500	15923	15460	15083	14787	14449	13797	12945	17378	17671
Lyon	17500	16000	15000	15000	14300	13760	12784	12784	12060	11596	11150	15467	15221
Madison	19909	19144	18622	17906	17439	16931	15750	15750	15750	15000	13975	19032	19077
Mahaska	21990	21450	20830	20320	19880	19490	19110	18460	17580	17240	16900	21908	23070
Marion	23583	22666	21955	21421	20952	20755	20224	19540	18500	16775	16148	23330	22044
Marshall	30000	33000	33000	33000	26577	25853	23503	23503	22427	19980	16960	29061	23152
Mills	16388	16225	15601	15001	14286	13736	13467	13203	13203	12030	12030	15440	16422
Mitchell	20444	19844	19266	18291	17672	17215	16878	16339	15342	14406	13825	19351	18872
Monona	18159	17647	17150	17150	16500	16083	15615	15350	14625	13375	12500	18079	17064
Monroe	19357	17357	17356	17100	16660	16049	15506	15506	14629	13626	13626	18040	18601
Montgomery	18623	17736	17219	16245	15325	14735	14735	13735	13207	12459	11980	16563	16354
Muscatine	19250	18854	18381	17861	17861	17511	17068	16733	15936	15178	13950	19684	19043
O'Brien	17140	16640	16000	15528	15120	14120	13400	13200	12200	11800	10800	15872	14743
Osceola	13290	12290	10373	10000	9450	9450	9450	9270	9000	8109	7650	10623	10443
Page	22140	21187	20554	19954	19772	19650	19300	18300	17500	15000	13880	22088	18948
Palo Alto	17673	16913	16537	15750	15000	14490	14000	14000	13000	11927	11468	16288	15655
Plymouth	20033	19277	18536	17909	17471	17029	16614	16129	15361	14700	13674	19142	18666
Pocahontas	16000	15551	15351	14832	14400	14000	14000	14000	13300	12800	12300	15737	16791
Polk	65060	61962	57372	55165	53043	51003	48315	46457	42073	41046	37315	57332	50939
Pottawattamie	22726	21852	20233	19455	18635	17580	17493	17493	16868	15931	15313	19761	20904
Poweshiek	22690	22029	21387	20764	20159	19762	19373	19373	18450	18000	16117	22214	22001
Ringgold	17662	17232	16811	16322	15544	15544	15091	14581	13627	12735	11902	17473	16247
Sac	19013	18370	17750	17750	17750	16750	16750	16500	16286	15075	13575	18828	18531
Scott	27948	27400	26700	24500	24000	23500	23000	22000	20500	20500	19750	26416	26961
Shelby	18573	18032	16852	16852	16204	15965	16000	15500	15000	14175	13500	17946	18429
Sioux	22070	21580	20650	20010	19500	18500	18500	18500	17500	17500	16500	20796	22524
Story	45677	43920	42230	41000	37000	34400	32600	31000	29000	25000	23500	38668	32080
Tama	18923	18372	18372	17836	17086	16666	16666	15166	15166	14165	13650	18734	18634
Taylor	17651	17137	16638	15997	15918	15760	15760	15154	14571	13877	13216	17716	18041
Union	15755	15505	15505	15505	14082	13282	13282	11810	10986	9987	9975	14930	13617
Van Buren	17384	16784	16100	15972	15887	15492	14968	14968	14343	13669	13300	17414	18156
Wapello	25023	24294	23472	23472	22569	22235	21483	20460	20460	19961	19961	24994	27249
Warren	23506	22387	21321	20600	20600	19198	18640	18175	17500	15663	15129	21580	20653
Washington	21700	21000	19617	19617	19217	18479	16900	16900	15500	14731	14509	20772	19806
Wayne	16293	16293	15825	15250	14800	14357	13832	13545	12700	12050	11600	16138	15835
Webster	24620	24040	23115	22100	20881	20348	19932	19567	18736	17719	17070	22873	23302
Winnebago	21153	20780	20050	19300	18500	18000	16800	16800	16800	16000	14907	20234	20350
Winneshiek	19944	19479	19029	19029	18279	17779	17529	17129	16313	15313	14313	19985	19539
Woodbury	24048	22902	23082	21587	21060	21060	20250	20250	19249	18000	17500	23673	23889
Worth	19284	18192	17682	17683	17033	16537	16055	16054	15400	14400	13650	18589	18634
Wright	20950	19950	19450	18450	18200	17500	17000	17000	15850	15100	13600	19671	18565
Averages	21275	20510	19721	19250	18556	18044	17598	17193	16375	15450	14767	20283	20158

Table 6. Salaries (unadjusted and adjusted for inflation to 1998 dollars) for County Treasurers in Iowa's Counties, Fiscal Years 1989-1999.

County	Unadjusted											Adjusted	
	1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1994	1989
Adair	28092	26892	25611	24962	24282	23970	23272	22594	21437	19437	18511	26944	25269
Adams	26474	25578	24219	23879	23879	22742	22742	21973	20927	19742	18625	25564	25425
Allamakee	27500	26500	25675	24926	24200	23690	23690	23000	23000	19910	19144	26630	26133
Appanoose	30095	29105	27305	26518	25410	24764	23572	23572	22300	21300	20300	27837	27711
Audubon	28020	26970	26184	25528	24938	24306	23599	22912	21738	20703	19138	27322	26125
Benton	35909	33876	32573	31533	30320	28612	28612	27412	25500	23500	21226	32162	28976
Black Hawk	46389	44180	42076	40850	39854	38321	35807	35807	35807	34563	31125	43076	42489
Boone	35000	33654	32674	31722	30356	29400	29400	27300	26000	23900	23000	33048	31397
Bremer	33710	32105	31169	30262	29239	28387	27560	26500	25000	24000	22366	31909	30532
Buchanan	34195	32995	31995	30995	29270	29270	28370	27870	24870	23700	23100	32902	31534
Buena Vista	33086	31213	29727	28974	28129	27851	27040	27040	26000	25000	23200	31307	31670
Butler	30623	28355	27583	26780	26050	26050	25198	25198	23856	22300	21115	29282	28824
Calhoun	30466	29015	27633	26317	25550	24800	24300	23700	22500	21022	20021	27877	27331
Carroll	34234	32734	31475	30475	29582	28082	28082	27531	26473	24741	23663	31567	32302
Cass	34203	33207	29707	28912	28152	26658	26065	26065	24700	23100	22002	29966	30035
Cedar	32666	31575	30000	28846	27737	26929	25893	25139	24000	22810	21550	30270	29418
Cerro Gordo	41000	39000	37313	36000	33500	30295	29340	29324	27333	26300	24809	34054	33867
Cherokee	29750	29750	28740	27903	26903	26503	26007	25250	25000	23450	22303	29792	30446
Chickasaw	29543	28837	27486	26286	25273	24546	23796	23796	22885	21795	20465	27592	27937
Clarke	29971	26971	26059	24818	23863	23227	22550	21683	21052	20639	19845	26109	27090
Clay	36397	34663	33654	32674	31722	31039	30282	29400	27500	26717	23585	34890	32196
Clayton	29719	28576	27215	25919	25349	25349	24611	23894	22331	21067	20257	28494	27653
Clinton	38222	36646	35321	33748	32957	31920	29971	29972	28275	26775	25746	35881	35146
Crawford	30329	29445	29153	28304	27480	27074	26286	25520	23200	21886	20648	30433	28187
Dallas	40306	38756	37627	36531	35991	33983	33983	30482	30482	30482	26053	38200	35565
Davis	27096	26117	25307	24570	23900	23249	22793	22131	20878	20075	19490	26134	26606
Decatur	24635	23635	23171	22717	22055	21207	21207	20791	19614	18860	18222	23838	24875
Delaware	30932	29742	28326	27237	26443	26053	25294	24557	23500	22000	20646	29286	28184
Des Moines	36879	35725	33488	33012	30825	29438	28816	27701	25747	24592	23760	33091	32435
Dickinson	35509	33980	32517	30969	30067	29191	28341	27928	26588	25154	23683	32813	32330
Dubuque	43350	42087	40601	39418	38085	36621	35763	35763	30830	28220	27050	41165	36926
Emmet	31804	30803	29336	28206	27252	26718	25940	25308	24103	22955	22285	30033	30421
Fayette	33188	32250	31279	30392	29592	29592	29092	28245	26900	25725	24500	33264	33445
Floyd	32072	30864	29465	28887	27662	26598	26598	25848	24500	23061	22068	29898	30125
Franklin	29025	28025	27225	26500	25309	24668	23968	23383	22059	21211	19961	27729	27249
Fremont	29123	28275	27451	26651	25875	24880	24634	23634	22088	20452	20452	27967	27919
Greene	29028	28359	27708	26417	25332	24475	24475	23625	22500	21100	19900	27512	27165
Grundy	29700	28430	27430	26600	25700	24850	24100	23500	21754	21180	20180	27933	27548
Guthrie	29452	26775	26775	26101	25097	23747	23747	22900	21600	20357	19150	26694	26142
Hamilton	32414	31214	30114	29114	28125	27306	26666	25666	24466	23066	21866	30694	29849
Hancock	31780	31000	29905	29055	27255	27255	26255	25741	24515	23572	22450	30637	30646
Hardin	31200	30282	29200	28350	27250	26900	25900	25400	24300	23300	22500	30238	30715
Harrison	32060	31278	30220	29340	28080	26000	26000	25000	24000	22950	21750	29226	29691
Henry	32500	31540	30470	29655	28650	27553	26750	25750	23200	22000	20900	30972	28531
Howard	28292	27500	26500	25000	24277	23710	23410	22575	21500	20000	18680	26652	25500
Humboldt	30000	29050	28196	27375	26578	25786	24761	24396	22633	21659	20630	28986	28162
Ida	27780	27023	26109	25214	24210	24210	23920	23540	22000	20438	19700	27214	26892
Iowa	31261	28419	27458	26893	25859	24985	24985	23883	22646	20974	19745	28085	26954
Jackson	32672	31344	30361	29722	28444	28444	27615	26682	25365	23920	21569	31973	29444
Jasper	36863	35108	32811	31855	31108	30056	28177	28177	25970	24500	23254	33785	31744

Table 6. Salaries (unadjusted and adjusted for inflation to 1998 dollars) for County Treasurers in Iowa's Counties, Fiscal Years 1989-1999 (continued).

County	Unadjusted											Adjusted	
	1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1994	1989
Jefferson	30900	30000	28950	27900	26950	26250	25500	24500	23200	22000	20700	29507	28258
Johnson	48316	46909	45432	43896	42411	40780	39212	38443	36267	33894	30263	45840	41312
Jones	33852	32550	29669	28363	27537	26226	26226	25462	24250	23250	21500	29480	29350
Keokuk	26361	25593	24908	24300	23600	23000	23000	22100	20500	20000	19100	25854	26073
Kossuth	32574	31811	30660	29292	29292	28439	27137	26868	25588	24232	23300	31968	31807
Lee	36135	35083	34061	32752	31370	30280	30280	30280	27247	25100	24574	34037	33546
Linn	58926	57210	55009	53407	51851	50098	48171	46542	44097	40088	37291	56314	50906
Louisa	31514	30896	29707	28496	27139	27139	26672	25895	24780	23280	22277	30507	30410
Lucas	29023	28173	27192	26400	25500	24194	23604	23121	21986	20494	18700	27196	25527
Lyon	31000	29300	28100	28100	27000	25950	24883	24883	23255	22360	21500	29170	29350
Madison	30189	29029	27489	26432	25411	24671	22950	22950	22950	21450	19500	27732	26619
Mahaska	32676	31420	30210	29330	28480	27920	27110	25820	24590	22980	21480	31384	29322
Marion	36820	35354	33993	32393	31517	30378	29601	28600	27000	24000	20754	34147	28331
Marshall	35840	35000	35000	35000	34396	33459	32762	32762	31351	29117	25440	37611	34728
Mills	29395	28264	27177	25883	24650	23702	23237	22781	21593	19674	19674	26643	26857
Mitchell	31055	30155	29277	28048	26616	25927	25419	24607	23105	21695	20821	29144	28423
Monona	28630	28630	27823	27118	26368	25700	24245	23760	21978	20478	19078	28889	26043
Monroe	28523	26523	25750	25000	24000	22979	22202	22202	20946	18689	18689	25830	25512
Montgomery	31016	29540	28679	27055	25524	24542	24542	23542	22421	21152	19955	27587	27241
Muscatine	36697	35197	33821	32521	31513	30595	29822	29237	27846	26517	25375	34391	34639
O'Brien	32400	31200	30000	28488	27720	26720	26000	25400	24400	23500	21300	30036	29077
Osceola	29259	28259	26987	26200	23815	23140	23140	22660	22000	20450	19292	26011	26335
Page	32450	31053	30125	29246	28450	27750	27200	26200	25000	21000	19491	31193	26607
Palo Alto	32995	31575	30450	29000	28000	26910	26000	26000	24000	21720	20885	30249	28510
Plymouth	34439	33139	31864	30788	29890	29133	28422	27329	26028	24100	22374	32748	30543
Pocahontas	30000	28117	27184	26265	25500	24500	24500	24500	23600	22400	20900	27540	28531
Polk	65050	61962	57372	55165	53043	51003	49041	47155	43863	42792	40755	57132	55635
Pottawattamie	40159	38614	35754	32503	31133	30227	29671	29671	29045	26421	25360	33978	34619
Poweshiek	33244	32120	31184	29985	29112	28538	27976	27563	26250	25000	21682	32079	29598
Ringgold	23877	23294	22726	22064	21013	21013	20401	19711	18422	17217	16090	23620	21964
Sac	28631	27663	26113	25475	25475	24035	24035	23685	22785	21000	19500	27017	26619
Scott	53560	52000	50000	46300	44300	43000	41600	40000	38000	35000	33750	48336	46072
Shelby	29622	28759	26886	26095	25091	24720	24000	24000	22600	21252	20240	27787	27630
Sioux	40100	39220	37530	36370	35450	34500	33500	32500	31000	29000	27500	38781	37540
Story	45677	43920	42230	41000	39500	36925	36100	34500	32500	29250	28500	41507	38905
Tama	29940	29068	28221	27399	26649	25896	25896	23896	23896	21635	19829	29109	27069
Taylor	26314	25548	24804	23850	23155	22481	22481	21616	20785	19795	18852	25271	25735
Union	30530	30030	29155	28390	26591	25791	25791	23838	22409	19486	18558	28991	25333
Van Buren	27813	26813	25755	24765	24061	23463	22561	22561	21166	20085	19500	26374	26619
Wapello	34463	32512	30585	30585	29094	28327	27369	26066	23118	22017	20969	31842	28625
Warren	38630	37505	35719	33825	33825	29413	28557	28053	26845	24483	22550	33063	30783
Washington	33500	32500	29866	29866	29209	28086	26160	26160	24200	22834	22294	31571	30433
Wayne	26336	26336	25575	24825	23870	23016	21770	21165	19850	18850	18200	25872	24845
Webster	37557	36114	34725	33500	31459	30662	29585	28985	27838	26418	25673	34467	35046
Winnebago	33289	32700	31500	30300	29000	27500	25700	25700	24500	22600	21235	30912	28988
Winneshiek	31821	30426	27906	27906	27156	26256	25256	24856	23672	22673	21672	29514	29584
Woodbury	49908	46950	44800	40000	36799	36800	35700	34000	31650	29500	27800	41366	37950
Worth	30463	28464	27642	26742	26291	25526	24781	24781	23772	22272	20772	28693	28356
Wright	32975	31475	30975	29975	29225	28225	26725	26725	25225	24000	22500	31727	30715
Averages	33424	32156	30870	29813	28768	27849	27129	26451	25038	23509	22163	31305	30255

County Recorders

Woodbury was the only county without the position of recorder; it was eliminated by referendum in the mid 1990s. In 1999, salaries for county recorders averaged nearly \$32,700 across the remaining 98 counties (Table 3). This was lower than the averages for other elected positions considered to be full-time. As with auditors, recorders were paid less than \$25,000 only in Decatur and Ringgold. Nine counties reported salaries for recorders of \$40,000 or more, with only Linn, Polk, and Scott providing salaries greater than \$50,000.

The average county recorder earned \$10,800 more in 1999 than in 1989. Changes were less than \$10,000 in 41 counties and they were greater than \$15,000 in eight. Polk's increase of \$24,305 was substantially greater than that in Linn (\$21,635); these were the only two greater than \$20,000. When adjusted for inflation, most counties had at least modest increases in salaries of auditors. In 18 counties, adjusted salaries were at least \$5,000 greater in 1999 than in 1989. In Cherokee, Decatur, and Fayette, however, the salaries of auditors actually lost purchasing power because inflation-adjusted figures were lower at the end of the period than at the beginning.

County Sheriffs

Sheriffs earned from less than \$30,000 (Decatur, Ringgold) to more than \$70,000 in Linn, Polk, and Story (Table 4). Polk's \$94,584 was \$20,000 higher than the figures for Linn and Story. The average across the state was nearly \$42,700 in 1999. This was the highest average among the elected positions thought to require full-time activity in all counties. Nearly two-thirds (63) varied from \$35,000 to \$44,999.

The average salary for sheriffs grew by nearly \$16,300 between 1989 and 1999. In 15 counties, increases were greater than \$20,000; Polk was the only one in which the gain exceeded \$40,000 and Linn was the only other county in which the change was greater than \$30,000. Cherokee, Decatur, and Ida were the only counties in which salaries for the position of sheriff increased by less than \$10,000. And when adjustments were made for inflation, Cherokee and Ida had lower salaries for county sheriffs in 1999 than in 1989. At the other extreme, 13 counties had inflation-adjusted increases of at least \$10,000.

County Supervisors

Salaries for county supervisors varied from less than \$15,000 in Adams, Greene, and Osceola to more than \$50,000 in Linn and Polk (Table 5). This range reflects at least in part the portion of time that duties related to these positions are thought to require across Iowa's 99 counties. The average salary was \$21,275 in 1999, which is much closer to the lower than higher end of the range. Only in Polk (\$65,060), Linn (\$58,926), and Story (\$45,677) were salaries for supervisors greater than \$32,000. In half (50) of Iowa's 99 counties, salaries for supervisors averaged from \$18,000 to \$23,999 in 1999.

Increases in salaries for supervisors averaged \$6,500 from 1989 to 1999. That was the smallest average increase among any group of county elected officials, which reflects the fact that the salaries for supervisors also are the lowest on average. Gains of at least \$10,000 occurred in Cerro Gordo, Jasper, Johnson, Linn, Marshall, Polk, and Story, with Linn's increase of nearly \$28,900 the highest of these counties. Salaries in 1999 were less than \$5,000 higher than those in 1989 for supervisors in 26 counties, although the change in Dallas was the only one less than \$2,500.

When inflation is taken into account, supervisor salaries increased on average by about \$1,100 between 1989 and 1999. Linn, Polk, and Story were substantially above gains in other counties; each paid supervisors at least \$10,000 more at the end of the period than at the beginning even after inflation was added into the calculations. In 29 counties, increases in supervisor salaries were less than \$1,000; in another 29, salaries for supervisors were lower in 1999 than 1989 when the effects of inflation are factored in the equation. In most of these cases, salaries were not substantially lower in the last year than the first.

County Treasurers

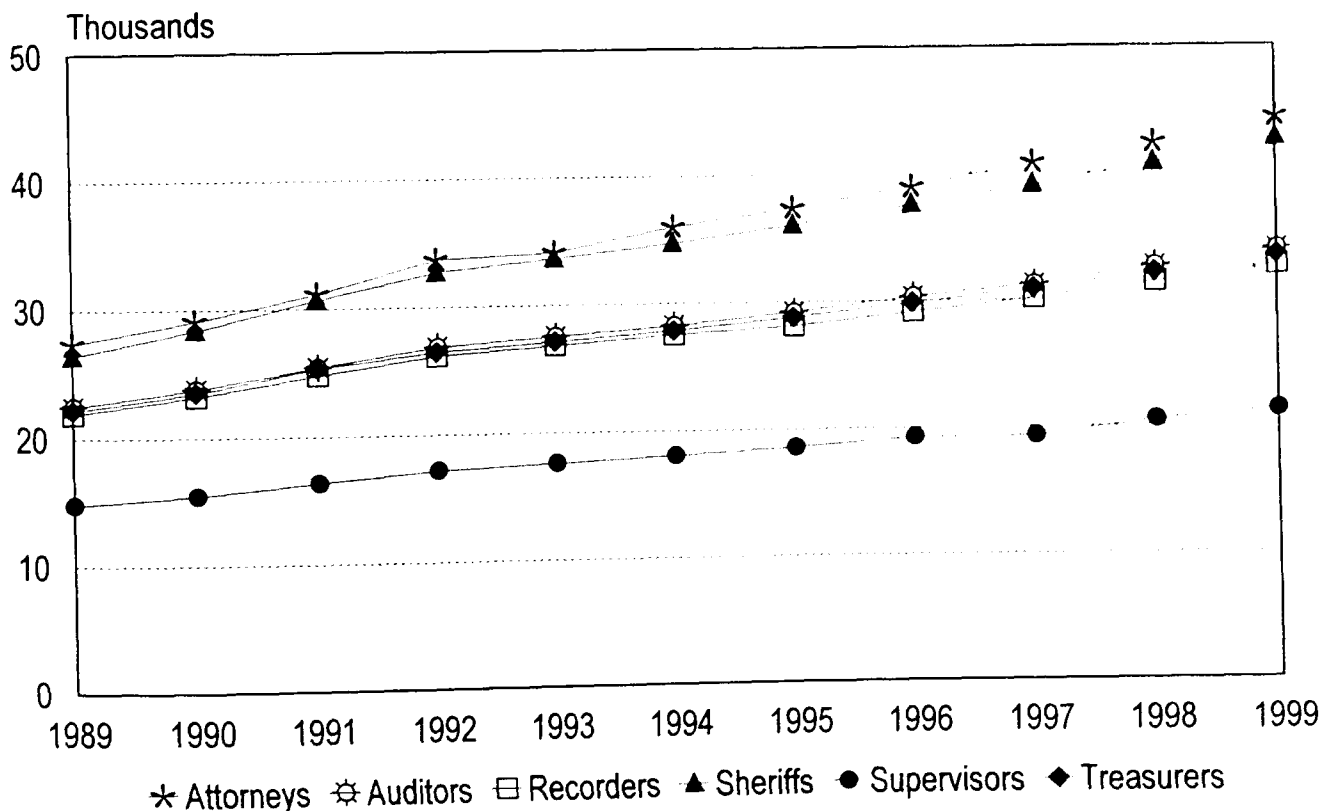
The final category of elected county officials includes treasurers. They averaged about \$33,400 in 1999, a figure much the same as those for auditors (\$33,900) and recorders (\$32,700) (Table 6). As noted for several of the offices, Decatur and Ringgold had the lowest figures (less than \$25,000) while Linn, Polk, and Scott had the highest (more than \$50,000). More than half (57) of the treasurers were in the \$30,000-\$39,999 range.

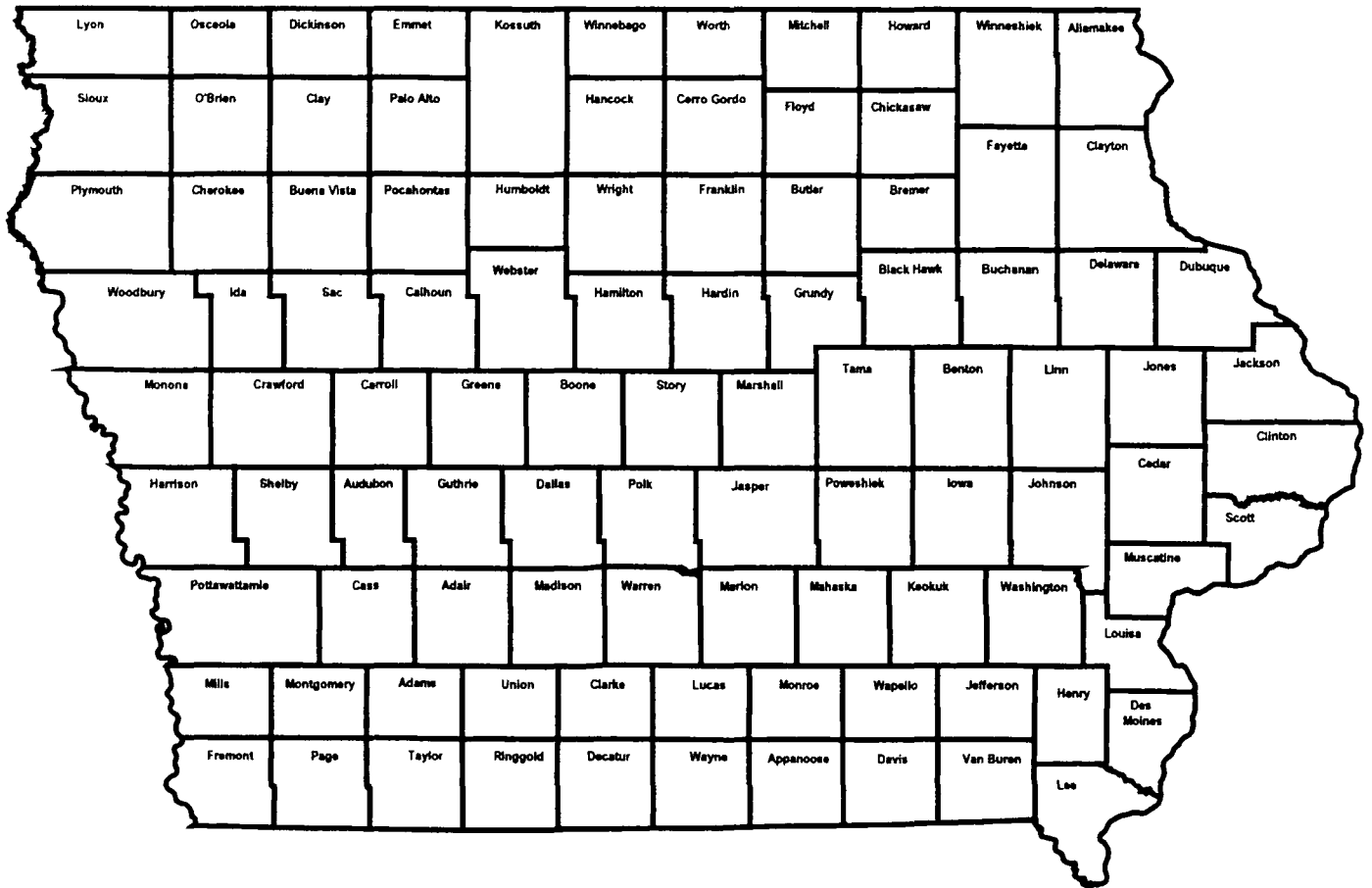
Increases in treasurer salaries from 1989 to 1999 were less than \$10,000 in 40 counties to more than \$15,000 in 11 others. The average gain was about \$11,300 across the state. When these figures were controlled for inflation, the average increase dropped to nearly \$3,200. Only the increase in Woodbury was greater than \$10,000 after considering inflation; Cherokee, Decatur, and Fayette had higher treasurer salaries in 1989 than in 1999 when inflation-adjusted figures are compared.

Concluding Comments

In general, salaries for elected officials are higher in counties with greater populations and lower in those with relatively few residents. The correlation is not perfect, of course, but trends are evident.

Figure 1. Average Salaries of Elected County Officials, 1989-1999.





Outstanding Obligations of Iowa's Counties: 1990-1999

Willis Goudy, Iowa State University
Ma En-hua, Iowa State University

Each year the Treasurer's Office of the State of Iowa publishes information on outstanding obligations of governmental units. These reports list outstanding debt as of June 30th for the state, cities, counties, school districts, state agencies, and other units of government. Obligations reported by 93 of Iowa's 99 counties in 1999 totaled \$172 million, an amount significantly higher than the \$107 million listed in 1990 (Table 1, Figure 1). The proportion of total state debt attributed solely to county government is relatively small; it amounted to about 3 percent each year. Far greater shares are held by cities (usually about 45%), schools (including area education agencies, community colleges, and the Board of Regents) (about 35%), state authorities (about 10%), and state agencies (about 5%).

The total obligations outstanding at a specified date are noted for counties in Table 1. In 1999, Polk's obligations of \$28.9 million alone accounted for 16.8 percent of the total county obligations reported; the addition of \$18.4 million in Black Hawk, \$15.8 million in Lee, and \$10.5 million in Wapello raised this to 42.8%. These were the only counties with debts greater than \$10 million in 1999 among the 93 counties that provided information.

When the number of counties reporting debt increased between 1991 and 1992, so did the total value of those obligations (Figure 1). Debt jumped from \$107 million in 1990 to \$126 million in 1991. In 1992, however, the total was nearly \$153 million, while it was \$164 million in 1993. The total declined slightly to \$159 million in 1994, increased to \$174 million in 1995 and 1996, then fell again to \$145 million in 1997 before increasing to \$168 million in 1998 and \$172 million in 1999.

The total county obligations reported in Table 1 include several subtypes. General obligations, which are backed by the "full faith and credit" of the county and are paid from property tax levies, general revenues, and borrowings, accounted for about two-thirds of the total county obligations outstanding as of 1999. The only other classification that accounted for more than a tenth of the total included those called revenue obligations; other classes of obligations were general funds, leases, special assessments, tax allocations, and those not listed elsewhere.

Caution is urged in examining these figures. They vary dramatically across counties from year to year. Changes in state laws and in financing strategies determined within counties contribute to the volatility of these numbers. So do different reporting habits observed in Iowa's 99 counties.

Note: More detailed data are available in publications entitled "Outstanding Obligations Report;" they can be obtained from Gene Lackershire in the Treasurer's Office of the State of Iowa, State Capitol Building, Des Moines, IA 50319, or from the State Library of Iowa, Old Historical Building, East 12th and Grand, Des Moines, IA 50319.

Table 1. Outstanding Obligations (\$) of Iowa's Counties, 1990-1999.

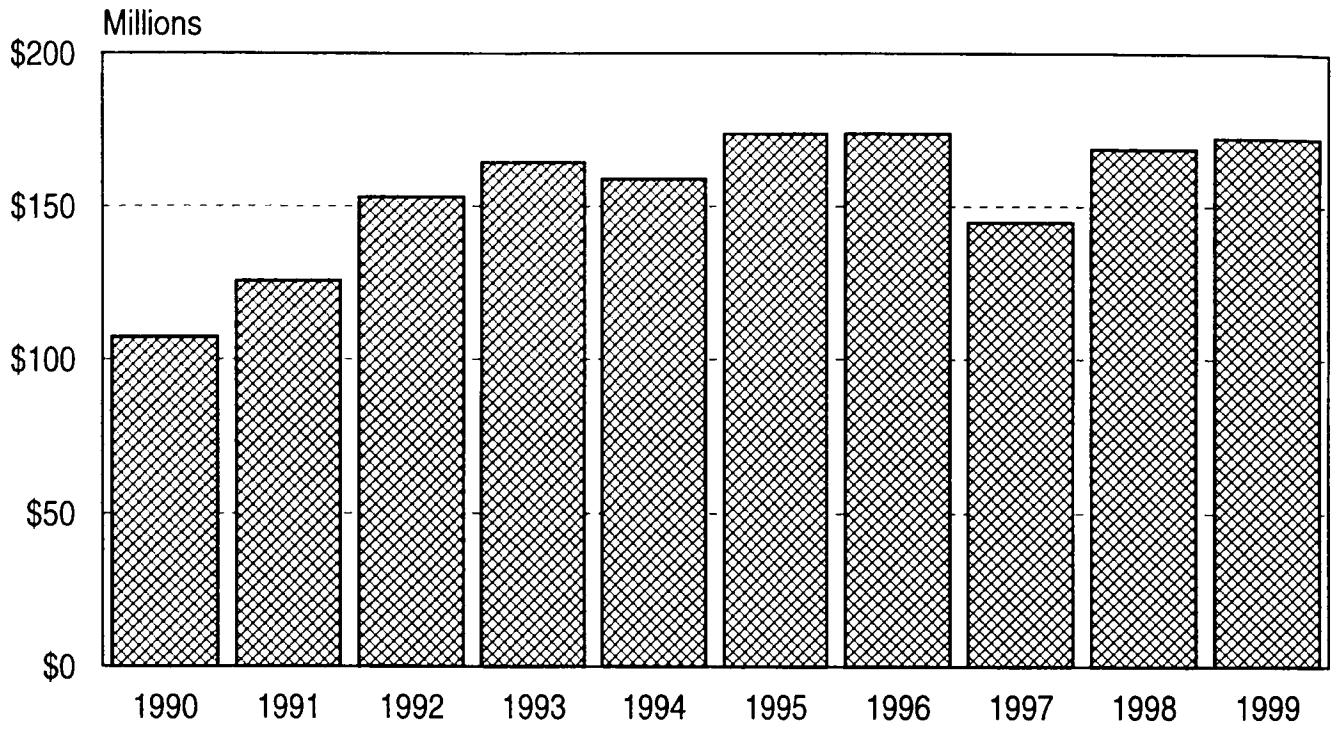
County	30 June 1999	30 June 1998	30 June 1997	30 June 1996	30 June 1995	30 June 1994	30 June 1993	30 June 1992	30 June 1991	30 June 1990
Adair	550000	0	62531	124100	186348	251270	303776	402144	0	0
Adams	395415	400000	32494	64125	95071	*	139965	169893	0	0
Allamakee	50426	75277	124948	147269	168438	193290	212619	231028	0	0
Appanoose	0	0	0	0	0	0	0	0	0	0
Audubon	2915000	2395000	2585000	2750000	300000	0	0	0	0	0
Benton	1202594	670000	755000	130000	0	190000	190000	380000	700000	675000
Black Hawk	18486979	19906668	21383240	22737383	16775000	19925000	24220000	24500000	25215000	11395000
Boone	0	0	0	0	0	0	0	0	0	0
Bremer	0	0	0	0	0	0	83919	123599	0	0
Buchanan	1168406	567500	0	0	0	0	1373	1373	112373	3235
Buena Vista	6740000	6990000	1240000	1360143	1620000	1880669	2135120	2375732	2611465	2828416
Butler	60000	220000	35000	683319	60000	0	0	0	0	0
Calhoun	163272	182528	265636	333099	374610	255624	307128	365762	0	434683
Carroll	687000	905770	1135116	781849	983498	1095346	1259293	1370765	600000	0
Cass	0	0	56521	111062	389923	223942	280959	348287	0	0
Cedar	770000	951953	1088324	1219027	1339061	1458649	1581932	1681932	0	0
Cerro Gordo	1757085	655000	885000	973744	1449458	1390016	3604275	930805	334343	0
Cherokee	0	0	0	0	*	*	0	0	0	0
Chickasaw	0	0	0	0	0	0	0	0	0	0
Clarke	2462633	2732814	3025284	2830060	2780492	2069321	2150596	278980	0	0
Clay	0	0	0	0	0	0	0	0	0	0
Clayton	125000	180000	230000	280000	325000	370000	410000	450000	450000	0
Clinton	0	0	0	0	0	3100	2008100	12800	17200	21300
Crawford	56745	73453	89530	104662	118848	139024	158254	158254	0	0
Dallas	1940000	1530000	3260000	3535000	1995000	*	2010000	2109000	2190000	4725000
Davis	129669	159995	427997	415015	470709	231288	318550	434305	170000	549270
Decatur	0	0	0	0	0	0	0	0	0	0
Delaware	0	0	0	0	0	0	0	0	0	0
Des Moines	0	270000	0	0	0	0	0	0	0	0
Dickinson	595500	825000	85281	168415	250300	315459	389669	397068	0	0
Dubuque	0	0	0	0	0	0	0	0	0	0
Emmet	0	0	0	0	0	0	0	0	0	0
Fayette	0	0	0	0	*	0	0	0	0	*
Floyd	575000	845000	1100000	1340000	0	0	0	0	0	0
Franklin	0	0	25000	50000	75000	100000	120000	140000	0	0
Fremont	0	0	0	0	41732	102132	128500	31521	159400	222137
Greene	2275000	2376600	2375000	2475000	2565000	2650000	2917964	2938617	0	110000
Grundy	354925	428301	576144	716986	822806	844098	835725	251027	0	45000
Guthrie	1155000	220000	220000	220000	235000	240000	260000	270000	280000	290000
Hamilton	25000	50000	75000	95000	115000	135000	155000	170000	185000	200000
Hancock	0	0	0	0	0	0	0	0	0	0
Hardin	5300000	5350000	400000	0	0	*	0	0	0	0
Harrison	2160000	2160000	2200000	2200000	2000000	400000	0	0	0	0
Henry	20000	20000	180000	310000	455000	590000	765000	865000	955000	1160000
Howard	*	*	89382	89382	98537	113075	135151	135151	0	0
Humboldt	*	0	*	0	*	0	0	0	0	0
Ida	0	0	51172	98248	147934	187157	228624	278048	0	0
Iowa	10000	25000	45000	75000	258501	105000	306028	261028	50000	55000
Jackson	0	0	523710	587859	863803	1125263	1368014	1606720	1415000	1575000
Jasper	990000	385000	415000	445000	651383	181383	349098	504175	647566	0

*No data listed in the annual reports or data not reported by the deadline.

Table 1. Outstanding Obligations (\$) of Iowa's Counties, 1990-1999 (continued).

County	30 June 1999	30 June 1998	30 June 1997	30 June 1996	30 June 1995	30 June 1994	30 June 1993	30 June 1992	30 June 1991	30 June 1990
Jefferson	2098500	327500	302000	329500	355500	367500	0	0	0	0
Johnson	196861	*	145151	145151	183625	183625	201988	219476	0	0
Jones	86981	112591	160430	363385	385131	*	242579	210000	0	0
Keokuk	745000	780000	815000	985000	325000	115000	60000	60000	135000	150000
Kossuth	125000	225000	325000	425000	525000	600000	675000	750000	800000	850000
Lee	15824500	17474500	19049000	19232500	18590000	8630000	1805000	7975000	2270000	2085000
Linn	*	*	*	6546765	6405421	4978951	4978951	5922442	5182112	5908338
Louisa	0	0	0	0	0	0	10260	12540	14820	17100
Lucas	0	0	*	*	0	*	0	0	0	0
Lyon	0	0	0	0	0	0	0	0	0	0
Madison	846757	922847	994517	960000	1005000	745000	885000	1000000	315000	430000
Mahaska	2330314	2874268	3357580	714751	836281	956670	1067971	895000	975000	0
Marion	0	0	137897	277572	420864	580171	722307	779429	0	0
Marshall	5900000	2850000	2600000	0	0	0	0	0	0	0
Mills	0	3875	152349	289117	431315	575710	809648	815904	0	0
Mitchell	217199	260639	55789	145760	253857	361952	475855	532326	413606	673134
Monona	0	0	88914	176968	267780	362809	442804	488802	519392	631915
Monroe	1620000	1930000	2165000	820000	970000	1105000	1235000	1355000	1455000	515000
Montgomery	490633	0	0	0	0	0	0	0	0	0
Muscatine	6640000	0	*	0	0	375000	750000	1050000	1645000	1649803
O'Brien	3700000	0	0	0	0	0	0	0	0	0
Osceola	189873	237342	283115	327192	369575	410262	449254	0	0	0
Page	400000	490000	575000	655000	730000	805000	875000	0	0	0
Palo Alto	73000	0	0	0	0	0	0	0	0	0
Plymouth	715000	785000	946201	183393	271345	360393	454307	492885	0	0
Pocahontas	86981	112591	137236	154632	182176	202955	152237	242579	0	0
Polk	28870000	31925000	26930000	56270000	63280000	63895000	67350000	58135000	51470000	50525000
Pottawattamie	*	*	*	*	*	0	0	0	105900	*
Poweshiek	138500	104106	352116	479249	378867	455455	265682	315682	95000	135000
Ringgold	0	0	64588	124112	175976	227861	283425	332663	0	0
Sac	*	161393	253670	342463	429804	554498	613316	358780	0	447014
Scott	9610000	10420000	11175000	11895000	12560000	5885000	6255000	2735000	3160000	*
Shelby	560570	119462	142501	164687	186019	206499	235511	0	0	0
Sioux	0	0	0	0	0	0	0	0	0	0
Story	2700000	0	0	1260000	1470000	1670000	1930000	2183333	2213494	*
Tama	115000	220000	320000	415000	500000	580000	650000	720000	785000	850000
Taylor	0	0	0	0	*	*	20000	40000	60000	80000
Union	1400000	1650000	215000	315000	410000	515000	480000	555000	680000	680000
Van Buren	2209458	2256224	2300000	2600000	0	0	0	0	0	*
Wapello	10498000	12409827	1862817	2048476	2116276	1864721	934899	1198532	456570	0
Warren	*	4610000	961760	1055843	1492520	1695357	422992	488669	0	0
Washington	5052500	4253816	880000	1138734	1388196	1265562	1429000	962510	1046936	614866
Wayne	0	40000	175000	175000	175000	254000	200000	225000	245000	0
Webster	2265000	2585000	2865000	460000	1525000	1765000	2315000	2315000	2740000	5472000
Winnebago	82161	112970	141579	141579	337444	177525	194720	0	0	0
Winneshiek	6513646	4956665	5564665	5471341	5946894	6424743	5481753	5189681	2162685	0
Woodbury	4276000	5077000	6616000	8144000	9568000	9307965	9100000	9730000	10010000	10675000
Worth	50402	59335	70779	81798	92394	102566	116976	0	0	0
Wright	2370431	732046	789088	875186	961202	1055471	250000	465000	475000	475000
State of Iowa	172118916	168504884	144652547	173639901	173512914	158754472	164156067	152924247	125522862	107153211

Figure 1. Outstanding obligations in Iowa's counties, 1990-1999.



Lottery Sales in Iowa's Counties: 1993-1998

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Jessica Rohrig, Iowa State University

When county figures were summed for fiscal year 1998 (July 1997 through June 1998), lottery sales in Iowa totaled \$173 million (Table 1). Included in the total are instant ticket, super cash, powerball, daily millions, pull tab, cash-4-life, and \$100,000 cash game sales. According to the most recent annual report of the Iowa Lottery, sales dropped by nearly \$38 million from 1993 to 1998.

Sales varied considerably across Iowa's counties, although caution is urged in interpreting these figures because lottery purchases are made not only by residents living in a particular county. Less than a half million dollars in sales were noted in 21 counties; in Adams, Davis, Decatur, Ida, Osceola, Ringgold, Taylor, and Van Buren, sales of less than \$250,000 occurred. In 44 of Iowa's 99 counties, however, lottery sales exceeded \$1 million. Black Hawk, Dubuque, Linn, Polk, Pottawattamie, Scott, and Woodbury had at least \$5 million in sales of lottery products in 1998.

All but 14 counties followed the state's pattern of lower sales in 1998 than in 1993. Many of these drops were modest, however; for example, 28 counties declined in sales by less than \$100,000 when 1993 and 1998 were compared. Eleven counties dropped by at least a half million, with Pottawattamie's decline of \$12.5 million exceeding Polk's decrease of \$6.6 million, which was the second greatest, by nearly \$6 million. Among the 14 counties with higher lottery sales in 1998 than in 1993, increases exceeded \$1 million only in Scott. Five others had 1998 sales at least \$100,000 greater than those in 1993.

When lottery sales are divided by the estimated population, sales figures per person living in the county result. Per capita sales in the state declined from \$75 in 1993 to \$60 in 1997. An increase of \$1 occurred between 1997 and 1998. Twenty-two counties had lottery sales of at least \$70 for every resident in 1998; sales in Cerro Gordo, Fremont, and Wapello exceeded \$100 per person that year. Some counties with high per capita purchases were urban while others were rural. Although most of the 37 counties with sales of less than \$50 per person were rural in nature, a few contained relatively large populations (Figure 1).

When 1993 and 1998 were compared, 45 counties decreased by at least \$10 per person in lottery sales (Figure 2). Five (Harrison, Lyon, Mills, Page, Pottawattamie) dropped by at least \$30 per resident, with Pottawattamie's decline of \$152 much greater than any other. Sixteen of Iowa's counties had higher per capita sales in 1998 than in 1993, with only Hancock growing by at least \$10 per person.

Comparing population, total lottery sales, and per capita lottery sales yields additional differences across counties. For example, only six counties have fewer residents than Fremont, yet this county had higher per capita lottery sales than all but one other county. It is likely that Fremont's location, bordered by Missouri and Nebraska, inflated sales. Sioux, on the other hand, was 99th (or lowest) on per capita lottery sales but 22nd on population in 1998. Understanding geographic location plus the situation in a specific county will assist in interpreting these numbers for any one year and changes across the years.

Note: For additional information on lottery sales, see annual reports published by the Iowa Lottery from 1986 through 1998. Data are for fiscal years. Before 1993, no county totals were reported. Rather, information on a county's share of the state's total sales from instant tickets was provided. No totals from other sources were noted; nor were data on instant tickets alone listed in the 1993-1998 reports. Thus, numbers consistently using the same base are not included in the annual reports for the entire period during which the lottery has been in place. In addition, the figures reported in this section do not include receipts from other forms of gambling that occur in some counties.

Table 1. Lottery Sales in Iowa's Counties, 1993-1998.

County	Sales (\$)						Per Capita Sales (\$)					
	1998	1997	1996	1995	1994	1993	1998	1997	1996	1995	1994	1993
Adair	355836	383848	458836	443671	529108	584414	44	47	56	54	64	70
Adams	199910	187803	192765	222003	209180	231837	46	43	43	49	46	50
Allamakee	1305070	1263846	1276674	1297902	1430113	1646153	93	90	91	92	102	117
Appanoose	1147611	1164960	1201498	1191318	1085579	1087248	84	86	88	88	80	79
Audubon	345601	369377	312722	362119	382895	383872	51	54	46	53	55	55
Benton	956023	890335	961234	967101	947201	1045511	38	36	39	40	40	45
Black Hawk	11165358	10583045	11037354	10857063	10729014	11998134	92	87	90	89	87	97
Boone	1268726	1351186	1477474	1666721	1734372	1716073	48	52	57	65	69	68
Bremer	1289038	1321236	1506192	1495285	1535294	1696955	55	57	65	64	66	73
Buchanan	1649324	1506757	1467242	1599578	1484086	1514017	78	71	69	75	70	72
Buena Vista	1124620	1134046	1290844	1235247	1196386	1351144	58	58	65	62	60	67
Butler	844759	841990	965646	993118	1045241	1169095	54	53	61	63	67	75
Calhoun	379699	472597	568794	616299	611786	625003	33	41	50	53	52	54
Carroll	1240560	1160469	1254622	1193472	1123313	1145593	57	54	58	55	52	53
Cass	907932	1021435	1174535	1188499	1005537	947455	62	69	79	80	67	63
Cedar	696132	718046	817238	828366	936530	991758	39	40	46	47	53	57
Cerro Gordo	4673383	4611208	4880286	4941607	4875490	4898106	101	99	105	106	105	105
Cherokee	803395	826979	944087	1066035	904497	831326	61	62	70	78	65	60
Chickasaw	759374	705427	769977	794924	885618	886305	56	53	57	59	66	67
Clarke	473695	508963	552469	492978	496584	569835	57	62	67	61	61	68
Clay	1334239	1204238	1384487	1299999	1222046	1292791	76	68	79	74	69	73
Clayton	1444587	1374965	1556058	1628775	1792161	1942265	77	73	83	87	95	103
Clinton	3399432	3338738	3905862	3929675	3275360	3241088	68	67	78	77	64	63
Crawford	1037601	1193372	1282747	1311032	1343462	1145254	63	72	78	80	82	69
Dallas	1458329	1597083	1857000	2035530	2126089	2080861	40	45	54	61	65	65
Davis	215285	227749	331538	355622	376863	401182	26	27	39	42	45	48
Decatur	188709	183767	185278	207378	221532	252249	23	22	23	25	27	31
Delaware	996967	938386	1145333	1107901	1145136	1170375	54	51	62	60	62	64
Des Moines	2421945	2416358	2894916	2912734	2888642	2517636	58	57	68	68	68	59
Dickinson	1374542	1384821	1605080	1469914	1417459	1475120	85	86	102	94	92	96
Dubuque	5464218	5219926	5947498	6278458	6132153	6186708	62	59	67	71	70	70
Emmet	799246	756132	829007	822589	983765	975648	73	69	75	74	87	86
Fayette	1430934	1379269	1488929	1532349	1583820	1692264	66	63	68	70	72	77
Floyd	1383615	1293103	1389568	1251978	1335764	1307691	85	78	84	75	80	78
Franklin	618435	633587	781588	733108	748742	764327	57	58	71	67	68	68
Fremont	843376	774674	1000564	1007534	1167242	898259	109	99	126	125	143	110
Greene	575999	465191	513834	573212	533965	521366	57	46	51	57	53	51
Grundy	395302	374270	421289	448762	534422	655087	32	30	34	37	44	54
Guthrie	445305	493918	562193	553823	589109	631303	38	43	49	49	52	56
Hamilton	1504180	1447029	1639287	1767373	1681769	1655330	94	90	102	109	105	103
Hancock	900061	909411	935609	887451	884917	757817	75	76	77	73	73	62
Hardin	1192696	1219015	1397843	1418216	1415437	1462363	65	66	75	76	76	79
Harrison	882874	851917	1021874	1132615	1433061	1318845	57	56	67	75	96	89
Henry	1192221	1108554	1212098	1205163	1145801	1023440	60	56	61	61	58	52
Howard	784033	728006	790849	751051	703908	771700	81	75	81	77	72	78
Humboldt	713108	666436	802756	837603	857861	963766	69	64	77	81	82	92
Ida	238819	215034	231272	272023	298732	280895	30	27	29	33	36	34
Iowa	631139	684971	757049	764487	812330	935354	41	44	49	50	54	63
Jackson	1322267	1308177	1541739	1609364	1415969	1380415	66	65	77	80	70	69
Jasper	1698483	1771003	1898939	2090423	2226090	2264490	47	50	54	59	63	65

Table 1. Lottery Sales in Iowa's Counties, 1993-1998 (continued).

County	Sales (\$)						Per Capita Sales (\$)					
	1998	1997	1996	1995	1994	1993	1998	1997	1996	1995	1994	1993
Jefferson	712199	658630	702089	718826	680696	651488	42	39	42	43	40	39
Johnson	4010281	3806359	4215680	4115059	4018034	4094105	39	37	42	41	40	41
Jones	912998	940035	1056234	1061345	1048958	1057035	45	46	52	52	53	53
Keokuk	426591	391323	394008	415095	467176	458647	37	34	34	36	41	39
Kossuth	820803	852819	915142	929260	960567	912181	46	48	51	51	53	50
Lee	2177920	2178009	2332502	2238461	2131343	1870484	57	56	60	57	55	48
Linn	13314156	12867912	14262357	13810949	13626674	14416376	73	71	79	77	77	82
Louisa	790156	759627	837594	950284	959870	913138	66	64	70	80	82	78
Lucas	379916	415223	445841	507225	506234	594785	42	46	49	56	56	66
Lyon	302578	354116	440053	473372	615225	750243	25	30	37	40	52	63
Madison	371066	416890	422011	456813	473528	467397	27	30	31	34	36	36
Mahaska	1101204	1276259	1241834	1214631	1139176	1244841	50	59	57	56	52	57
Marion	1238557	1257455	1380868	1401483	1564925	1520520	39	40	44	45	51	50
Marshall	2716337	2571204	2918785	3071185	2918848	3301706	70	66	75	79	76	87
Mills	713298	736453	884070	1051863	1203100	1152225	49	51	63	76	89	86
Mitchell	691722	693977	657740	652343	736439	735445	63	63	59	59	67	67
Monona	571565	581893	622542	594232	746970	735536	57	57	62	59	74	73
Monroe	537743	618032	676747	691046	688357	733282	67	76	84	85	84	90
Montgomery	661889	582580	663075	709405	754098	773974	56	49	56	60	63	64
Muscatine	3084641	3222271	3647274	3665970	3429841	3183759	75	79	89	89	84	78
O'Brien	696904	754814	800102	766758	825320	858071	47	50	53	50	54	56
Osceola	163775	187999	191521	180722	186533	236986	23	27	27	26	26	33
Page	383886	437787	521176	582755	712986	1043292	22	26	30	35	43	63
Palo Alto	620776	647808	722066	662560	710188	668340	62	64	71	65	68	64
Plymouth	1039742	925240	996888	1096582	1109921	1199623	42	37	40	45	46	50
Pocahontas	463529	455281	516834	495808	558370	558081	53	52	58	54	61	61
Polk	21802450	21117820	22851465	27161824	26333810	28433397	61	59	65	77	76	83
Pottawattamie	6515395	6576421	8003251	10532872	19226994	18979956	76	77	94	126	231	227
Poweshiek	1063119	1173785	1407850	1420668	1416634	1458189	56	62	74	75	75	77
Ringgold	187092	185379	195710	218977	235916	238460	35	35	37	41	44	44
Sac	720521	778790	872810	858614	874433	807843	60	65	73	71	72	67
Scott	10444912	10342875	11737749	11775828	10300829	9373047	66	66	75	75	66	60
Shelby	608536	554275	642935	681292	709521	680725	47	42	49	52	54	52
Sioux	540849	486939	580727	661528	705020	678562	17	16	19	21	23	22
Story	2365686	2375012	2629799	2700748	2786573	2941777	31	32	35	36	38	39
Tama	723053	768584	911584	960491	1119623	1193982	41	44	52	54	63	68
Taylor	240906	229410	311443	291976	270397	339505	34	32	43	41	38	48
Union	960946	966430	1017629	1069682	1028938	1098413	77	77	81	86	83	87
Van Buren	240896	234211	237173	221604	208870	198932	31	30	31	29	27	26
Wapello	4207965	4063105	4221392	4417248	4109736	4370392	119	114	118	124	114	121
Warren	1360197	1426956	1533223	1729540	1743345	1825979	34	36	39	45	45	48
Washington	1074049	1082842	1186382	1250429	1264563	1162247	51	52	57	61	62	57
Wayne	298623	334304	382633	401118	427034	398234	45	49	56	59	62	57
Webster	3297679	3371254	3686859	3806130	3684834	3659847	85	87	95	97	93	92
Winnebago	1038683	989381	1076243	1148248	1116940	1058709	87	82	90	96	94	89
Winneshiek	1333118	1249867	1356528	1322307	1485243	1553256	64	60	65	63	71	74
Woodbury	5479829	5513028	6560470	6942966	7595600	7757503	54	54	64	68	75	77
Worth	500261	442697	500650	446525	473069	507592	64	57	64	57	60	64
Wright	968756	894145	1101660	1129362	1119332	1079270	69	63	77	79	79	76
State of Iowa	173351746	170930159	189893771	199313457	206452062	211213100	61	60	67	70	73	75

Figure 1. Per capita lottery sales, 1998.

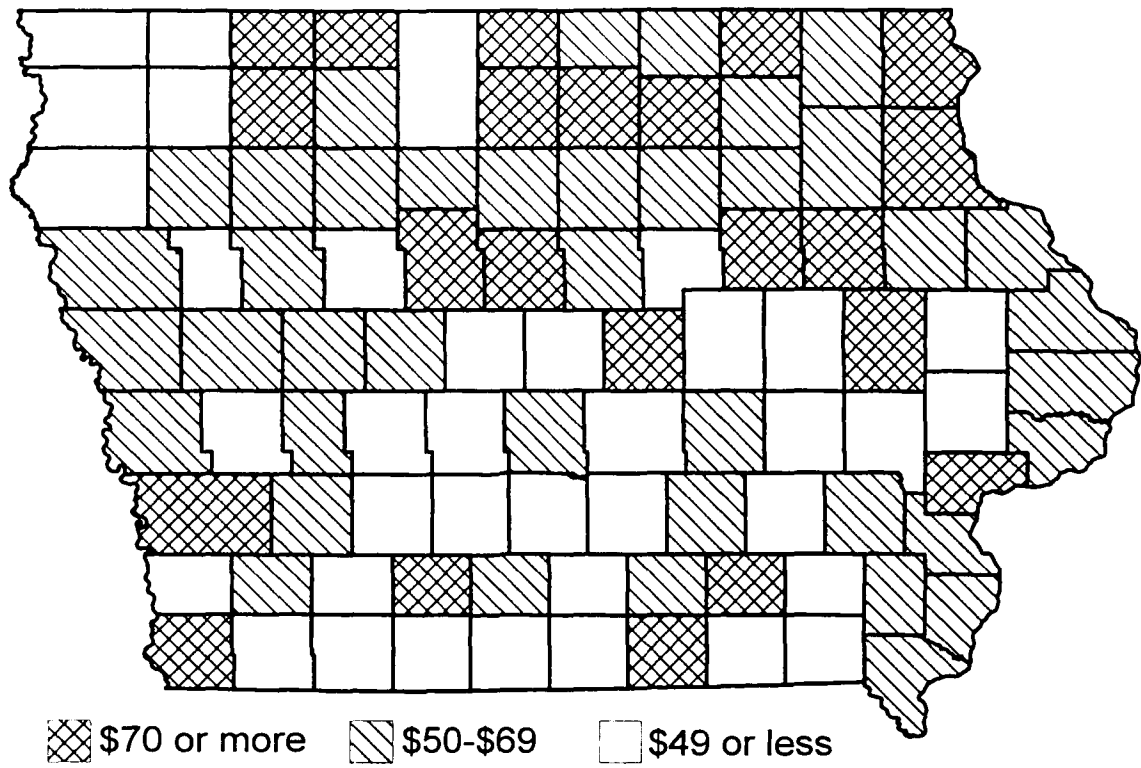
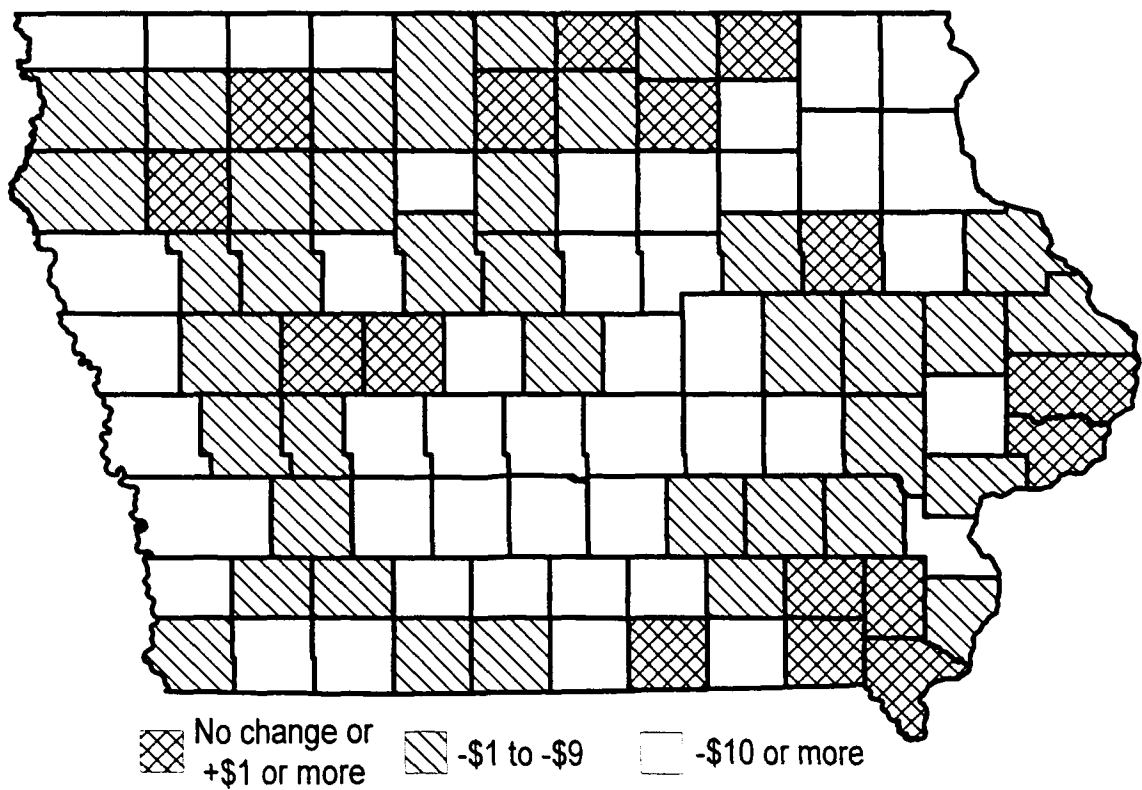


Figure 2. Change in per capita lottery sales, 1993-1998.



Food Stamps in Iowa's Counties: 1988-1998

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The Iowa Department of Human Services maintains information on the number of persons and households receiving food stamps each month. For this report, averages of persons, households, and benefits were calculated for each year from 1988 through 1998; numbers from monthly reports were summed and divided by 12. Through this period, the federal government has made changes in the eligibility requirements for food stamps, which have some effect on year-to-year comparisons.

Households Receiving Food Stamps

An average of 57,479 households received food stamps each month in 1998 (Table 1). This was a decrease of nearly 7,000 from the 1997 figure, the fifth consecutive decline. From 76,000 to 79,000 households received food stamps monthly from 1992 through 1994.

Polk averaged nearly 7,600 households receiving food stamps each month in 1998, the highest of any county. Other counties with more than 2,000 food stamp households were Black Hawk, Linn, Pottawattamie, Scott, and Woodbury. These six highest counties accounted for more than two-fifths (41.7%) of Iowa's average monthly food stamp households that year. Only Audubon, Mitchell, Osceola, and Worth averaged less than 100.

No county averaged more households in the program in 1998 than in 1997. The largest decrease occurred in Polk (-1,053); 14 other counties had declines greater than 100. A comparison of 1988 with 1998 indicates that Iowa averaged 11,553 fewer households in the program at the end of the period than at the beginning. Likewise, 88 counties had fewer households receiving food stamps in 1998 than in 1988; 31 decreased by more than 100 households. Black Hawk and Polk were the only counties with declines greater than 1,000 between those years. Of the 11 counties with higher averages in 1998 than in 1988, only Johnson gained more than 100.

Persons Receiving Food Stamps

In 1998, Iowa had an average of 137,500 persons receiving food stamps each month (Table 2, Figure 1). Polk averaged more monthly food stamp recipients (18,152) in 1998 than any other county. Scott was the only other with more than 10,000 persons receiving food stamps monthly that year.

The average number of persons receiving food stamps in the state was nearly 18,000 lower in 1998 than in 1997. All of Iowa's 99 counties followed this trend as well. Black Hawk, Polk, and Scott had decreases that exceeded 1,000. Comparing 1988 and 1998, Iowa had an average of 37,700 fewer persons in the food stamp program at the end of the period. All but six counties followed this trend, with Black Hawk, Dubuque, Linn, Polk, Scott, and Woodbury counting at least 1,000 fewer in 1998 than in 1988. Only Johnson and Montgomery had increases of more than 100. A review of the entire period indicates that most counties noted declines in the numbers receiving food stamps from 1988 to 1993. In 1994-1998, declines again occurred.

Table 1. Average Monthly Number of Households Receiving Food Stamps in Iowa's Counties, 1988-1998.

County	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988
Adair	142	170	196	188	188	195	183	185	178	166	170
Adams	111	119	137	141	150	150	153	146	140	131	143
Allamakee	205	236	235	243	254	265	255	234	222	229	268
Appanoose	613	684	764	735	738	734	731	684	664	704	727
Audubon	82	96	103	111	122	115	130	120	112	109	118
Benton	322	366	394	417	450	482	515	484	489	447	457
Black Hawk	4147	4605	4977	5052	5191	5206	5066	4961	5043	5200	5468
Boone	399	468	549	580	631	659	637	566	484	499	513
Bremer	222	245	294	296	357	351	303	322	313	304	352
Buchanan	325	355	418	424	466	486	506	553	536	546	600
Buena Vista	317	346	346	355	368	371	371	346	300	280	303
Butler	208	225	274	300	305	283	299	298	294	294	330
Calhoun	199	228	256	254	280	271	273	256	233	224	246
Carroll	282	303	349	354	364	369	350	340	347	361	345
Cass	253	302	333	366	398	391	365	331	312	298	287
Cedar	246	306	342	339	360	350	337	312	305	297	308
Cerro Gordo	1037	1152	1351	1328	1420	1427	1396	1305	1224	1174	1165
Cherokee	176	197	218	221	230	236	227	213	201	205	226
Chickasaw	146	165	196	196	214	210	221	213	218	219	260
Clarke	236	254	301	314	323	320	315	275	252	230	253
Clay	293	312	349	375	398	416	430	427	413	405	434
Clayton	190	205	240	233	256	278	298	302	315	344	374
Clinton	1446	1599	1863	1862	1921	1906	1836	1761	1682	1587	1604
Crawford	338	371	452	455	459	418	398	398	394	376	379
Dallas	414	455	540	559	571	592	593	565	550	539	533
Davis	152	177	198	225	232	236	255	242	247	268	289
Decatur	369	386	442	458	486	455	423	392	365	349	354
Delaware	247	271	312	326	345	361	359	353	376	395	437
Des Moines	1307	1400	1502	1521	1552	1557	1462	1384	1310	1272	1249
Dickinson	224	234	256	277	276	268	265	256	240	241	241
Dubuque	1472	1555	1714	1652	1779	1868	1879	1840	1867	1917	2089
Emmet	182	204	240	277	306	320	339	342	324	285	277
Fayette	478	525	574	573	619	634	626	617	565	568	614
Floyd	361	381	434	472	516	497	491	457	459	443	457
Franklin	183	222	241	251	249	248	256	238	227	213	214
Fremont	223	234	264	266	278	255	244	219	209	215	210
Greene	195	209	245	245	244	231	222	225	200	190	198
Grundy	104	113	137	131	117	136	164	168	148	156	149
Guthrie	193	221	260	270	298	303	289	266	228	244	278
Hamilton	262	297	330	332	382	397	413	379	326	316	348
Hancock	133	154	186	190	217	234	229	223	222	198	206
Hardin	320	375	446	491	552	522	485	429	391	385	413
Harrison	333	378	426	435	451	471	480	444	416	412	427
Henry	387	430	464	472	504	471	458	430	385	347	328
Howard	131	151	170	191	213	218	214	206	220	229	234
Humboldt	159	179	200	223	228	251	244	228	228	221	233
Ida	103	109	112	120	112	113	109	110	92	87	94
Iowa	146	163	175	178	193	177	173	159	151	136	147
Jackson	383	436	506	537	574	563	536	535	519	529	585
Jasper	551	567	642	650	699	758	740	723	641	626	667

Table 1. Average Monthly Number of Households Receiving Food Stamps in Iowa's Counties, 1988-1998 (cont.).

County	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988
Jefferson	420	461	539	549	576	574	551	526	484	463	435
Johnson	1183	1347	1444	1360	1344	1323	1269	1141	998	946	917
Jones	280	308	354	367	372	386	355	337	321	348	372
Keokuk	294	326	355	324	332	355	340	353	330	299	295
Kossuth	237	252	281	316	340	349	361	334	304	294	302
Lee	1091	1192	1310	1287	1397	1435	1418	1367	1268	1232	1295
Linn	3462	3890	4376	4462	4741	4628	4518	4343	4029	3927	4083
Louisa	252	295	337	345	347	343	341	318	275	258	282
Lucas	291	321	372	376	398	362	344	338	316	313	331
Lyon	104	116	143	152	156	158	150	132	135	135	150
Madison	151	176	215	233	243	253	242	231	210	217	214
Mahaska	575	649	671	646	669	689	697	688	662	632	611
Marion	440	514	600	631	666	664	622	575	519	498	532
Marshall	1017	1145	1261	1196	1250	1287	1261	1150	1038	1014	1039
Mills	244	288	317	345	364	346	326	316	280	241	251
Mitchell	97	121	136	134	155	165	180	166	156	165	186
Monona	233	259	294	314	328	330	345	327	304	302	307
Monroe	244	269	303	312	313	315	306	301	306	329	358
Montgomery	312	327	353	373	367	341	346	300	266	263	256
Muscatine	1051	1210	1330	1303	1314	1287	1294	1227	1183	1119	1141
O'Brien	162	182	208	210	209	210	222	189	180	174	220
Osceola	61	84	98	103	100	101	93	96	90	95	105
Page	471	489	507	502	552	543	538	539	494	480	493
Palo Alto	175	202	230	263	294	294	296	279	255	241	254
Plymouth	245	271	284	282	279	274	270	263	255	276	318
Pocahontas	155	171	192	205	212	216	220	208	178	141	148
Polk	7596	8649	10152	10429	11144	11342	10793	10006	9123	8726	8739
Pottawattamie	2208	2447	2718	2888	3144	3147	3038	2834	2520	2344	2259
Poweshiek	274	305	353	359	371	368	364	352	307	262	287
Ringgold	163	174	185	177	192	199	185	181	176	177	193
Sac	186	207	228	246	230	216	226	219	197	203	197
Scott	4501	5201	6181	6364	6623	6512	6131	5747	5403	5172	5306
Shelby	179	196	220	242	236	235	223	211	189	161	174
Sioux	195	215	254	262	235	218	248	248	254	280	286
Story	794	919	1031	1091	1109	1070	1057	958	874	821	773
Tama	227	260	274	286	332	357	391	364	335	321	344
Taylor	153	181	220	211	209	206	192	195	188	176	184
Union	318	370	467	485	488	466	451	448	436	421	403
Van Buren	148	161	174	178	182	209	204	208	198	194	212
Wapello	1610	1776	1886	1851	1856	1843	1846	1752	1668	1686	1767
Warren	394	465	518	602	698	729	706	666	603	568	563
Washington	299	328	371	358	376	369	365	359	343	319	331
Wayne	191	214	245	247	241	249	243	230	223	223	241
Webster	1152	1337	1524	1544	1614	1694	1651	1593	1478	1456	1442
Winnebago	148	181	197	198	216	226	216	208	187	167	160
Winneshiak	198	238	264	266	300	305	295	279	273	284	326
Woodbury	2049	2282	2501	2584	2819	3049	3182	3069	2847	2729	2889
Worth	93	108	117	130	154	176	189	178	180	164	175
Wright	211	252	294	312	341	328	330	306	296	269	285
State of Iowa	57479	64461	72831	74358	78261	78758	76974	73113	68705	66930	69032

Table 2. Average Monthly Number of Persons Receiving Food Stamps in Iowa's Counties, 1988-1998.

County	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988
Adair	326	406	485	455	458	487	452	464	447	399	427
Adams	282	309	362	362	402	407	436	395	379	340	376
Allamakee	476	581	574	611	661	676	634	609	560	594	722
Appanoose	1432	1629	1808	1783	1808	1853	1865	1742	1677	1753	1870
Audubon	228	272	283	290	332	323	370	334	323	308	342
Benton	803	969	1040	1125	1210	1311	1368	1268	1269	1139	1166
Black Hawk	9828	10931	11598	11826	12430	12517	12190	12002	11989	12398	13194
Boone	952	1134	1322	1405	1514	1562	1544	1412	1196	1246	1301
Bremer	526	602	744	760	937	930	786	836	779	760	934
Buchanan	845	948	1154	1195	1358	1395	1428	1515	1434	1473	1709
Buena Vista	771	832	882	902	935	947	962	929	795	766	813
Butler	503	557	712	776	805	713	798	809	789	793	906
Calhoun	471	540	601	600	656	654	677	624	585	566	639
Carroll	700	742	842	884	923	932	863	862	869	894	851
Cass	625	741	851	969	1090	1056	992	892	830	781	755
Cedar	592	725	829	811	910	899	857	814	783	764	804
Cerro Gordo	2315	2578	3027	3057	3269	3287	3211	2988	2821	2678	2707
Cherokee	375	440	509	508	569	598	585	556	523	509	552
Chickasaw	350	423	499	514	574	558	601	564	571	590	717
Clarke	580	645	792	829	864	848	844	749	678	618	713
Clay	623	688	765	816	925	990	1041	1037	978	970	1036
Clayton	468	532	615	621	709	762	803	803	853	936	1022
Clinton	3414	3745	4270	4356	4603	4608	4378	4257	4089	3935	4003
Crawford	850	964	1168	1180	1203	1091	1018	1029	1021	942	975
Dallas	986	1105	1354	1445	1512	1525	1543	1474	1400	1345	1366
Davis	346	410	448	522	566	582	640	601	617	680	790
Decatur	753	840	985	1025	1105	1050	977	918	850	833	883
Delaware	626	692	812	882	937	992	952	914	984	1074	1240
Des Moines	3240	3425	3579	3654	3828	3860	3624	3483	3348	3215	3142
Dickinson	513	538	576	618	629	612	609	616	570	636	642
Dubuque	3500	3781	4207	3992	4389	4597	4608	4422	4528	4705	5214
Emmet	452	501	581	668	768	817	865	823	810	770	777
Fayette	1144	1304	1431	1450	1631	1694	1696	1628	1495	1529	1684
Floyd	908	998	1125	1250	1417	1331	1329	1238	1216	1173	1214
Franklin	410	508	574	638	646	637	669	624	592	550	552
Fremont	550	592	678	668	734	662	638	567	544	564	554
Greene	487	521	625	637	658	644	599	599	511	475	500
Grundy	248	286	349	345	320	414	454	440	384	388	374
Guthrie	473	551	647	695	780	807	766	707	595	630	720
Hamilton	576	665	748	771	940	969	995	943	789	764	858
Hancock	340	389	489	488	590	652	673	637	631	538	573
Hardin	747	877	1053	1195	1389	1321	1246	1097	975	951	1056
Harrison	865	981	1120	1134	1206	1250	1282	1212	1129	1124	1120
Henry	875	982	1102	1114	1232	1209	1174	1120	990	889	820
Howard	324	387	432	477	574	575	535	501	535	556	593
Humboldt	366	402	449	513	542	590	587	538	527	506	597
Ida	277	287	299	315	290	320	302	307	222	215	248
Iowa	364	423	464	472	511	469	457	432	403	352	389
Jackson	890	1039	1212	1333	1482	1476	1448	1451	1416	1443	1643
Jasper	1237	1310	1479	1514	1645	1812	1749	1693	1515	1501	1632

Table 2. Average Monthly Number of Persons Receiving Food Stamps in Iowa's Counties, 1988-1998 (continued).

County	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988
Jefferson	911	990	1153	1181	1301	1313	1279	1198	1096	1045	1004
Johnson	2633	2975	3206	3026	3010	2977	2826	2544	2263	2110	2078
Jones	703	796	899	964	983	1019	940	908	830	905	994
Keokuk	760	840	912	850	891	948	921	980	906	853	855
Kossuth	604	632	717	841	937	961	974	884	790	758	806
Lee	2705	2946	3223	3157	3562	3681	3583	3398	3118	3076	3215
Linn	8006	8875	9698	10139	10955	10787	10637	10247	9451	9170	9800
Louisa	673	794	858	878	899	886	896	855	745	709	752
Lucas	699	778	865	898	935	856	834	794	738	726	773
Lyon	259	316	407	425	461	461	460	397	411	412	446
Madison	355	425	534	587	642	667	643	623	554	576	553
Mahaska	1352	1518	1579	1511	1609	1684	1724	1726	1632	1578	1546
Marion	1012	1217	1432	1561	1682	1676	1575	1459	1344	1314	1442
Marshall	2349	2672	2932	2810	3012	3023	2953	2716	2483	2403	2498
Mills	719	824	901	953	998	932	906	870	757	657	717
Mitchell	214	265	301	308	377	416	468	427	387	406	478
Monona	525	578	682	754	850	879	944	906	819	809	806
Monroe	557	644	731	789	831	823	784	769	787	820	919
Montgomery	779	844	900	948	932	869	872	750	652	634	610
Muscatine	2648	3116	3461	3419	3531	3561	3600	3413	3262	3069	3102
O'Brien	404	432	520	562	564	573	592	464	443	421	557
Osceola	139	212	274	275	265	266	249	263	230	248	281
Page	1092	1121	1217	1178	1295	1294	1326	1363	1233	1247	1246
Palo Alto	316	401	449	523	617	641	674	661	626	590	620
Plymouth	546	609	642	665	661	650	680	688	706	761	896
Pocahontas	351	395	444	501	526	535	544	528	423	353	386
Polk	18152	20688	23883	25001	27254	27498	26387	24392	22267	21124	21199
Pottawattamie	5604	6298	7013	7498	8264	8363	8150	7588	6682	6181	5962
Poweshiek	646	728	863	884	946	946	930	893	775	657	736
Ringgold	391	435	486	464	511	531	494	480	467	468	542
Sac	458	526	596	634	603	590	611	603	559	548	529
Scott	11293	13024	15143	15832	16632	16474	15903	14971	14041	13471	13856
Shelby	466	523	593	669	631	658	657	597	532	443	503
Sioux	535	583	702	738	656	610	706	712	770	858	885
Story	1729	2031	2288	2445	2504	2422	2318	2092	1907	1837	1812
Tama	543	659	756	783	914	987	1098	1009	876	825	923
Taylor	423	491	598	568	554	560	519	565	548	518	529
Union	732	876	1100	1136	1188	1203	1153	1152	1100	1065	1039
Van Buren	385	411	459	475	493	590	568	575	544	526	611
Wapello	3639	4082	4252	4228	4327	4361	4365	4197	3935	3967	4376
Warren	977	1170	1267	1488	1739	1828	1764	1638	1485	1428	1446
Washington	721	804	952	912	969	960	968	944	908	886	928
Wayne	459	520	607	643	648	694	680	630	631	599	699
Webster	2617	3119	3457	3593	3818	4036	3884	3750	3492	3462	3502
Winnebago	349	456	487	491	525	534	528	519	476	400	389
Winneshiek	440	548	623	646	758	796	760	716	704	747	875
Woodbury	5068	5687	6327	6529	7247	8044	8581	8319	7646	7229	7728
Worth	198	238	270	309	363	449	445	412	407	354	401
Wright	504	607	724	775	859	829	853	796	733	622	643
State of Iowa	137480	155436	174928	180890	194193	196603	193318	183856	171980	167415	175206

Table 3. Average Monthly Percentage of All Residents Receiving Food Stamps in Iowa's Counties, 1988-1998.

County	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988
Adair	4.0	5.0	5.9	5.5	5.5	5.8	5.4	5.5	5.3	4.7	5.0
Adams	6.5	7.0	8.1	8.0	8.8	8.9	9.4	8.3	7.8	6.8	7.4
Allamakee	3.4	4.1	4.1	4.3	4.7	4.8	4.5	4.4	4.0	4.2	5.1
Appanoose	10.5	12.0	13.3	13.1	13.3	13.4	13.5	12.7	12.2	12.7	13.4
Audubon	3.4	4.0	4.1	4.2	4.8	4.6	5.2	4.6	4.4	4.2	4.6
Benton	3.2	3.9	4.2	4.6	5.1	5.6	6.0	5.6	5.7	5.1	5.2
Black Hawk	8.1	9.0	9.5	9.6	10.1	10.1	9.8	9.6	9.7	10.1	10.8
Boone	3.6	4.3	5.1	5.5	6.0	6.2	6.1	5.6	4.7	5.0	5.2
Bremer	2.2	2.6	3.2	3.3	4.1	4.0	3.4	3.6	3.4	3.3	4.1
Buchanan	4.0	4.5	5.4	5.6	6.4	6.6	6.8	7.2	6.9	7.1	8.2
Buena Vista	4.0	4.3	4.4	4.5	4.7	4.7	4.8	4.7	4.0	3.8	4.0
Butler	3.2	3.5	4.5	4.9	5.1	4.5	5.1	5.1	5.0	5.0	5.7
Calhoun	4.1	4.7	5.2	5.2	5.6	5.7	5.9	5.4	5.1	4.9	5.5
Carroll	3.2	3.4	3.9	4.1	4.3	4.3	4.0	4.0	4.1	4.2	3.9
Cass	4.3	5.0	5.7	6.5	7.2	7.0	6.6	5.9	5.5	5.1	4.9
Cedar	3.3	4.0	4.7	4.6	5.2	5.1	4.8	4.7	4.5	4.4	4.6
Cerro Gordo	5.0	5.6	6.5	6.6	7.0	7.1	6.9	6.3	6.0	5.7	5.7
Cherokee	2.8	3.3	3.8	3.7	4.1	4.3	4.2	4.0	3.7	3.6	3.9
Chickasaw	2.6	3.2	3.7	3.8	4.3	4.2	4.5	4.3	4.3	4.4	5.3
Clarke	6.9	7.8	9.6	10.2	10.6	10.2	10.1	9.1	8.2	7.4	8.5
Clay	3.6	3.9	4.4	4.7	5.2	5.6	5.9	5.9	5.6	5.6	6.0
Clayton	2.5	2.8	3.3	3.3	3.8	4.0	4.3	4.3	4.5	4.9	5.3
Clinton	6.8	7.5	8.5	8.6	9.0	9.0	8.5	8.4	8.0	7.7	7.8
Crawford	5.2	5.9	7.1	7.2	7.3	6.6	6.1	6.2	6.1	5.5	5.6
Dallas	2.7	3.1	3.9	4.3	4.7	4.8	5.0	4.8	4.7	4.6	4.7
Davis	4.1	4.9	5.3	6.2	6.7	6.9	7.7	7.2	7.4	8.2	9.4
Decatur	9.2	10.3	12.0	12.4	13.6	13.1	12.0	11.3	10.2	9.8	10.4
Delaware	3.4	3.7	4.4	4.8	5.1	5.4	5.2	5.0	5.5	5.9	6.9
Des Moines	7.7	8.1	8.4	8.6	8.9	9.0	8.5	8.1	7.9	7.5	7.3
Dickinson	3.2	3.4	3.7	4.0	4.1	4.0	4.0	4.1	3.8	4.3	4.4
Dubuque	4.0	4.3	4.8	4.5	5.0	5.2	5.3	5.1	5.2	5.4	6.0
Emmet	4.2	4.6	5.3	6.0	6.8	7.2	7.4	7.1	7.0	6.7	6.7
Fayette	5.3	5.9	6.5	6.6	7.4	7.7	7.7	7.4	6.8	7.0	7.7
Floyd	5.6	6.0	6.8	7.5	8.5	7.9	7.8	7.3	7.1	6.8	7.0
Franklin	3.8	4.7	5.2	5.8	5.9	5.7	6.0	5.5	5.2	4.8	4.8
Fremont	7.1	7.6	8.6	8.3	9.0	8.1	7.8	6.9	6.6	6.8	6.6
Greene	4.8	5.2	6.2	6.4	6.5	6.4	5.9	6.0	5.1	4.7	4.8
Grundy	2.0	2.3	2.8	2.8	2.6	3.4	3.8	3.7	3.2	3.2	3.0
Guthrie	4.1	4.8	5.7	6.1	6.9	7.2	6.9	6.4	5.4	5.8	6.5
Hamilton	3.6	4.1	4.7	4.8	5.9	6.0	6.2	5.9	4.9	4.7	5.2
Hancock	2.8	3.2	4.0	4.0	4.9	5.4	5.4	5.1	5.0	4.2	4.5
Hardin	4.0	4.7	5.6	6.4	7.4	7.1	6.6	5.8	5.1	4.9	5.4
Harrison	5.6	6.4	7.4	7.5	8.1	8.4	8.7	8.3	7.7	7.6	7.4
Henry	4.4	4.9	5.6	5.6	6.2	6.2	6.0	5.8	5.1	4.7	4.3
Howard	3.3	4.0	4.4	4.9	5.9	5.8	5.4	5.1	5.5	5.6	5.9
Humboldt	3.5	3.9	4.3	4.9	5.2	5.6	5.6	5.0	4.9	4.7	5.5
Ida	3.5	3.6	3.7	3.8	3.5	3.8	3.6	3.7	2.7	2.6	3.0
Iowa	2.3	2.7	3.0	3.1	3.4	3.2	3.1	2.9	2.8	2.4	2.6
Jackson	4.4	5.2	6.0	6.6	7.3	7.3	7.2	7.3	7.1	7.1	8.0
Jasper	3.4	3.7	4.2	4.3	4.7	5.2	5.0	4.9	4.4	4.3	4.7

Table 3. Average Monthly Percentage of All Residents Receiving Food Stamps in Iowa's Counties, 1988-1998
(continued).

County	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988
Jefferson	5.3	5.8	6.8	7.0	7.7	7.8	7.8	7.3	6.7	6.4	6.1
Johnson	2.6	2.9	3.2	3.0	3.0	3.0	2.9	2.6	2.4	2.2	2.2
Jones	3.5	3.9	4.4	4.7	4.9	5.1	4.8	4.6	4.3	4.7	5.2
Keokuk	6.6	7.3	7.9	7.3	7.7	8.2	7.9	8.4	7.8	7.3	7.2
Kossuth	3.4	3.5	4.0	4.6	5.2	5.3	5.3	4.8	4.2	4.0	4.2
Lee	7.0	7.6	8.3	8.1	9.1	9.5	9.2	8.7	8.1	7.9	8.2
Linn	4.4	4.9	5.4	5.7	6.2	6.2	6.1	6.0	5.6	5.5	5.9
Louisa	5.6	6.7	7.2	7.4	7.6	7.5	7.8	7.4	6.4	6.1	6.5
Lucas	7.6	8.5	9.6	9.9	10.4	9.5	9.2	8.7	8.1	7.9	8.3
Lyon	2.2	2.6	3.4	3.6	3.9	3.9	3.8	3.3	3.4	3.5	3.7
Madison	2.6	3.1	3.9	4.4	4.9	5.2	5.0	5.0	4.4	4.6	4.5
Mahaska	6.2	7.0	7.3	6.9	7.4	7.8	8.0	8.0	7.6	7.4	7.2
Marion	3.2	3.9	4.6	5.0	5.5	5.5	5.2	4.8	4.5	4.4	4.8
Marshall	6.1	6.9	7.6	7.3	7.9	8.0	7.8	7.1	6.5	6.3	6.5
Mills	5.0	5.7	6.4	6.9	7.4	7.0	6.8	6.6	5.7	5.0	5.4
Mitchell	1.9	2.4	2.7	2.8	3.4	3.8	4.3	3.9	3.5	3.7	4.3
Monona	5.2	5.7	6.8	7.5	8.4	8.7	9.4	9.1	8.2	8.0	7.8
Monroe	6.9	8.0	9.0	9.7	10.2	10.1	9.6	9.4	9.7	10.1	11.3
Montgomery	6.5	7.1	7.6	8.0	7.8	7.2	7.3	6.3	5.4	5.2	5.1
Muscatine	6.4	7.6	8.5	8.3	8.6	8.7	8.8	8.4	8.2	7.7	7.8
O'Brien	2.7	2.9	3.5	3.7	3.7	3.7	3.8	3.0	2.9	2.7	3.6
Osceola	2.0	3.0	3.9	3.9	3.7	3.7	3.5	3.6	3.2	3.4	3.8
Page	6.3	6.5	7.0	7.1	7.7	7.8	8.0	8.1	7.3	7.4	7.4
Palo Alto	3.2	4.0	4.4	5.2	5.9	6.1	6.4	6.2	5.9	5.5	5.7
Plymouth	2.2	2.4	2.6	2.7	2.7	2.7	2.9	2.9	3.0	3.2	3.8
Pocahontas	4.0	4.5	5.0	5.5	5.8	5.8	5.9	5.6	4.4	3.6	3.9
Polk	5.0	5.8	6.7	7.1	7.9	8.0	7.8	7.3	6.8	6.6	6.7
Pottawattamie	6.5	7.4	8.3	9.0	9.9	10.0	9.8	9.2	8.1	7.5	7.2
Poweshiek	3.4	3.8	4.6	4.7	5.0	5.0	4.9	4.7	4.1	3.4	3.9
Ringgold	7.3	8.1	9.1	8.7	9.6	9.9	9.2	8.9	8.6	8.6	10.0
Sac	3.8	4.4	5.0	5.3	5.0	4.9	5.0	5.0	4.5	4.4	4.3
Scott	7.1	8.3	9.6	10.1	10.7	10.6	10.3	9.8	9.3	9.0	9.2
Shelby	3.6	4.0	4.5	5.1	4.8	5.0	5.0	4.5	4.0	3.3	3.7
Sioux	1.7	1.9	2.3	2.4	2.1	2.0	2.3	2.4	2.6	2.9	3.0
Story	2.3	2.7	3.1	3.3	3.4	3.2	3.1	2.8	2.6	2.5	2.5
Tama	3.1	3.7	4.3	4.4	5.1	5.6	6.3	5.8	5.0	4.7	5.2
Taylor	5.9	6.9	8.3	7.9	7.8	7.9	7.4	8.0	7.7	7.2	7.3
Union	5.8	7.0	8.7	9.1	9.5	9.6	9.2	9.1	8.6	8.4	8.1
Van Buren	4.9	5.2	5.9	6.1	6.4	7.6	7.4	7.4	7.1	6.9	7.8
Wapello	10.3	11.5	11.9	11.9	12.0	12.1	12.2	11.7	11.0	11.1	12.3
Warren	2.4	2.9	3.2	3.8	4.5	4.8	4.7	4.5	4.1	4.0	4.1
Washington	3.4	3.8	4.6	4.4	4.8	4.7	4.8	4.7	4.6	4.5	4.7
Wayne	6.9	7.7	8.9	9.4	9.4	9.9	9.7	9.0	8.9	8.5	9.9
Webster	6.8	8.1	8.9	9.1	9.7	10.1	9.7	9.3	8.7	8.5	8.6
Winnebago	2.9	3.8	4.1	4.1	4.4	4.5	4.4	4.3	3.9	3.3	3.2
Winneshiek	2.1	2.6	3.0	3.1	3.6	3.8	3.6	3.4	3.4	3.6	4.2
Woodbury	5.0	5.6	6.2	6.4	7.2	8.0	8.6	8.4	7.8	7.4	7.9
Worth	2.5	3.1	3.4	3.9	4.6	5.6	5.6	5.2	5.1	4.4	4.9
Wright	3.6	4.3	5.1	5.4	6.0	5.9	6.0	5.6	5.1	4.3	4.5
State of Iowa	4.8	5.4	6.1	6.4	6.9	7.0	6.9	6.6	6.2	6.0	6.3

Table 4. Total Annual (in \$1,000s) and Adjusted Total Annual (in 1998 \$1,000s) Food Stamp Benefits in Iowa's Counties, 1988-1998.

County	Total (in \$1,000s) Benefits Received											Adjusted Total (in 1998 \$1,000s) Benefits Received									
	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988
Adair	250	286	350	328	319	349	319	296	261	220	218	290	363	350	350	392	369	352	323	287	298
Adams	203	215	271	255	265	283	298	266	220	187	207	218	281	272	291	318	344	316	272	244	283
Allamakee	341	411	430	435	459	461	421	379	323	313	368	417	445	464	503	518	487	451	400	408	502
Appanoose	1084	1213	1388	1336	1318	1337	1384	1202	1078	1036	1054	1229	1438	1424	1445	1503	1600	1430	1334	1349	1439
Audubon	173	190	201	202	214	211	239	217	190	168	195	193	208	215	235	237	276	258	235	219	266
Benton	583	697	772	826	875	941	965	877	807	661	647	706	800	881	959	1058	1115	1043	998	861	883
Black Hawk	7596	8350	9169	9164	9272	9275	9050	8368	7808	7463	7758	8462	9499	9770	10165	10426	10460	9952	9660	9719	10590
Boone	735	885	1088	1116	1183	1220	1202	1000	761	720	751	897	1127	1190	1297	1371	1389	1189	942	938	1025
Bremer	380	428	531	555	649	630	544	552	489	427	514	434	550	592	712	708	629	656	605	556	702
Buchanan	612	649	856	859	936	947	1009	1040	908	855	966	658	887	916	1026	1065	1166	1237	1123	1113	1319
Buena Vista	600	618	648	671	649	670	689	611	491	419	427	626	671	715	712	753	796	727	607	546	583
Butler	342	366	476	539	529	462	537	536	473	430	473	371	493	575	580	519	621	637	585	560	646
Calhoun	323	363	426	417	448	440	457	398	338	313	334	368	441	445	491	495	528	473	418	408	456
Carroll	468	501	568	599	627	630	587	554	512	478	441	508	588	639	687	708	678	659	633	622	602
Cass	415	497	602	699	734	728	703	606	516	445	421	504	624	745	805	818	813	721	638	580	575
Cedar	458	559	647	621	659	673	626	559	503	456	466	567	670	662	722	757	724	665	622	594	636
Cerro Gordo	1708	1919	2307	2276	2337	2368	2336	2088	1808	1576	1511	1945	2390	2427	2562	2662	2700	2483	2237	2052	2063
Cherokee	260	316	375	383	409	417	419	370	318	282	298	320	388	408	448	469	484	440	393	367	407
Chickasaw	252	286	343	345	378	373	387	365	339	315	381	290	355	368	414	419	447	434	419	410	520
Clarke	444	488	623	647	648	606	600	513	433	354	403	495	645	690	710	681	693	610	536	461	550
Clay	452	496	574	580	612	640	697	657	581	524	528	503	595	618	671	719	806	781	719	682	721
Clayton	333	358	444	440	488	498	550	514	502	503	540	363	460	469	535	560	636	611	621	655	737
Clinton	2673	2932	3478	3459	3546	3543	3461	3186	2807	2485	2424	2971	3603	3688	3888	3983	4000	3789	3473	3236	3309
Crawford	639	708	878	876	863	776	743	695	627	530	533	718	910	934	946	872	859	827	776	690	728
Dallas	808	879	1113	1196	1175	1181	1186	1050	925	818	781	891	1153	1275	1288	1328	1371	1249	1144	1065	1066
Davis	251	305	337	391	424	428	461	411	394	386	431	309	349	417	465	481	533	489	487	503	588
Decatur	546	585	702	710	763	715	660	581	496	442	442	593	727	757	837	804	763	691	614	576	603
Delaware	411	466	558	610	590	620	627	582	585	592	660	472	578	650	647	697	725	692	724	771	901
Des Moines	2632	2747	2892	2924	2916	2945	2763	2517	2230	1943	1795	2784	2996	3117	3197	3310	3193	2993	2759	2530	2450
Dickinson	389	396	436	469	456	430	422	403	337	348	346	401	452	500	500	483	488	479	417	453	472
Dubuque	2638	2797	3166	2939	3128	3292	3344	3064	2869	2735	2907	2835	3280	3133	3429	3700	3865	3644	3550	3562	3968
Emmet	305	334	398	481	529	556	602	565	515	427	401	338	412	513	580	625	696	672	637	556	547
Fayette	816	929	1050	1004	1077	1113	1110	1016	857	805	872	941	1088	1070	1181	1251	1283	1208	1060	1048	1190

Table 4. Total Annual (in \$1,000s) and Adjusted Total Annual (in 1998 \$1,000s) Food Stamp Benefits in Iowa's Counties, 1988-1998 (continued).

County	Total (in \$1,000s) Benefits Received											Adjusted Total (in 1998 \$1,000s) Benefits Received										
	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	
Floyd	665	709	788	892	963	894	872	773	707	604	616	719	816	951	1056	1005	1008	919	875	787	841	
Franklin	283	337	396	445	434	431	460	422	381	317	301	342	410	474	476	484	532	502	471	413	411	
Fremont	391	398	483	485	493	429	414	357	316	289	283	403	500	517	541	482	478	425	391	376	386	
Greene	352	362	452	458	442	439	413	392	303	260	260	367	468	488	485	493	477	466	375	339	355	
Grundy	182	219	264	264	228	302	340	317	244	220	212	222	273	281	250	339	393	377	302	287	289	
Guthrie	349	393	475	487	524	542	526	448	345	344	380	398	492	519	574	609	608	533	427	448	519	
Hamilton	436	483	582	584	662	702	724	638	477	414	475	489	603	623	726	789	837	759	590	539	648	
Hancock	242	281	360	345	405	435	458	394	354	280	299	285	373	368	444	489	529	469	438	365	408	
Hardin	532	636	775	871	991	928	836	685	587	515	546	645	803	929	1086	1043	966	815	726	671	745	
Harrison	613	709	785	783	800	822	869	774	668	604	583	719	813	835	877	924	1004	921	826	787	796	
Henry	664	748	853	848	883	875	834	737	624	506	467	758	884	904	968	984	964	877	772	659	638	
Howard	215	261	293	315	378	372	352	307	299	292	310	265	304	336	414	418	407	365	370	380	423	
Humboldt	255	275	321	356	353	398	390	335	297	262	310	279	333	380	387	447	451	398	367	341	423	
Ida	199	200	211	212	188	201	196	187	119	107	126	203	219	226	206	226	227	222	147	139	172	
Iowa	270	309	356	329	350	319	312	285	253	205	210	313	369	351	384	359	361	339	313	267	287	
Jackson	628	751	918	964	1047	1032	1017	988	879	825	907	761	951	1028	1148	1160	1175	1175	1088	1074	1238	
Jasper	993	1020	1139	1166	1199	1340	1294	1172	969	861	916	1034	1180	1243	1315	1506	1496	1394	1199	1121	1250	
Jefferson	764	817	970	980	1030	1040	985	890	731	637	609	828	1005	1045	1129	1169	1138	1058	904	830	831	
Johnson	2239	2521	2810	2582	2431	2371	2225	1852	1500	1298	1246	2555	2911	2753	2665	2665	2572	2203	1856	1690	1701	
Jones	539	597	691	747	706	724	672	605	512	519	559	605	716	796	774	814	777	720	633	676	763	
Keokuk	511	582	664	618	597	655	661	668	567	492	467	590	688	659	655	736	764	794	702	641	638	
Kossuth	416	411	493	575	624	633	645	577	465	392	415	417	511	613	684	712	745	686	575	511	567	
Lee	2127	2281	2510	2390	2637	2757	2696	2455	2071	1870	1909	2312	2600	2548	2891	3099	3116	2920	2562	2435	2606	
Linn	6449	7211	8073	8207	8518	8361	8202	7516	6418	5709	5893	7308	8363	8750	9339	9398	9480	8939	7941	7435	8045	
Louisa	541	624	672	691	675	657	662	598	491	424	437	632	696	737	740	739	765	711	607	552	597	
Lucas	514	575	675	670	665	601	590	527	469	426	424	583	699	714	729	676	682	627	580	555	579	
Lyon	166	208	278	278	283	287	279	224	218	200	222	211	288	296	310	323	322	266	270	260	303	
Madison	264	318	408	447	449	478	459	419	355	338	315	322	423	477	492	537	530	498	439	440	430	
Mahaska	1075	1182	1211	1123	1159	1196	1218	1159	1020	903	844	1198	1255	1197	1271	1344	1408	1378	1262	1176	1152	
Marion	756	885	1085	1186	1232	1262	1171	1018	855	765	810	897	1124	1264	1351	1419	1353	1211	1058	996	1106	
Marshall	1911	2165	2425	2196	2244	2277	2218	1924	1646	1473	1466	2194	2512	2341	2460	2560	2564	2288	2037	1918	2001	
Mills	586	641	724	753	758	685	643	582	480	388	405	650	750	803	831	770	743	692	594	505	553	
Mitchell	155	177	204	206	246	279	324	265	220	210	243	179	211	220	270	314	374	315	272	273	332	

Table 4. Total Annual (in \$1,000s) and Adjusted Total Annual (in 1998 \$1,000s) Food Stamp Benefits in Iowa's Counties, 1988-1998 (continued).

County	Total (in \$1,000s) Benefits Received											Adjusted Total (in 1998 \$1,000s) Benefits Received										
	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	
Monona	361	401	488	525	572	593	634	586	480	429	415	406	506	560	627	667	733	697	594	559	567	
Monroe	382	434	527	559	577	572	558	524	497	477	517	440	546	596	633	643	645	623	615	621	706	
Montgomery	618	638	681	694	649	615	631	517	401	351	327	647	705	740	712	691	729	615	496	457	446	
Muscatine	2200	2545	2849	2761	2719	2652	2658	2414	2158	1849	1804	2579	2951	2944	2981	2981	3072	2871	2670	2408	2463	
O'Brien	267	289	348	374	338	351	363	279	247	220	279	293	361	399	371	395	420	332	306	287	381	
Osceola	95	150	182	188	179	173	170	168	134	128	141	152	189	200	196	194	196	200	166	167	192	
Page	781	789	852	820	853	868	879	842	713	673	645	800	883	874	935	976	1016	1001	882	876	880	
Palo Alto	206	258	287	349	396	437	455	410	344	300	314	261	297	372	434	491	526	488	426	391	429	
Plymouth	377	412	439	443	420	416	437	413	391	393	459	418	455	472	460	468	505	491	484	512	627	
Pocahontas	232	265	301	333	338	347	373	337	248	194	200	269	312	355	371	390	431	401	307	253	273	
Polk	15451	17610	20751	21484	22643	23693	21300	18647	15570	13413	12840	17846	21497	22905	24825	26633	24618	22177	19264	17468	17528	
Pottawattamie	4648	5125	5809	6100	6443	6453	6282	5610	4557	3832	3552	5194	6018	6503	7064	7254	7261	6672	5638	4990	4849	
Poweshiek	508	558	690	684	696	700	684	613	480	378	409	565	715	729	763	787	791	729	594	492	558	
Ringgold	265	294	339	316	327	351	330	310	267	251	283	298	351	337	359	395	381	369	330	327	386	
Sac	311	330	398	432	396	377	408	381	316	276	250	334	412	461	434	424	472	453	391	359	341	
Scott	9472	10803	12849	13318	13465	13338	12767	11283	9912	8763	8652	10948	13311	14199	14762	14993	14756	13419	12264	11412	11811	
Shelby	326	356	438	476	442	437	430	388	315	239	269	361	454	507	485	491	497	461	390	311	367	
Sioux	372	393	491	479	400	367	428	408	393	408	418	398	509	511	439	413	495	485	486	531	571	
Story	1500	1725	2043	2168	2143	1988	1835	1521	1278	1152	1077	1748	2116	2311	2349	2235	2121	1809	1581	1500	1470	
Tama	395	475	555	572	631	685	783	687	556	483	519	481	575	610	692	770	905	817	688	629	708	
Taylor	293	319	406	373	372	374	355	346	298	253	259	323	421	398	408	420	410	411	369	329	354	
Union	527	640	827	858	842	830	811	767	673	589	547	649	857	915	923	933	937	912	833	767	747	
Van Buren	278	301	334	341	349	411	399	386	333	293	328	305	346	364	383	462	461	459	412	382	448	
Wapello	2768	3070	3301	3136	3148	3166	3180	2898	2542	2400	2514	3111	3420	3343	3451	3559	3675	3447	3145	3126	3432	
Warren	789	908	998	1178	1323	1396	1325	1150	986	862	842	920	1034	1256	1450	1569	1531	1368	1220	1123	1149	
Washington	547	586	737	669	683	674	698	635	565	518	532	594	763	713	749	758	807	755	699	675	726	
Wayne	328	361	433	437	418	451	446	390	363	319	356	366	449	466	458	507	515	464	449	415	486	
Webster	1970	2347	2673	2732	2809	2972	2863	2593	2226	2013	1965	2379	2769	2913	3080	3341	3309	3084	2754	2622	2682	
Winnebago	245	313	346	340	362	371	360	331	281	217	203	317	358	362	397	417	416	394	348	283	277	
Winneshiek	292	342	413	428	493	528	505	452	414	405	469	347	428	456	541	594	584	538	512	527	640	
Woodbury	4036	4416	4944	5040	5274	5845	6208	5677	4810	4133	4280	4475	5122	5373	5782	6570	7175	6752	5951	5382	5843	
Worth	147	170	196	223	260	319	315	272	250	196	212	172	203	238	285	359	364	323	309	255	289	
Wright	364	428	532	558	608	590	589	545	474	372	356	434	551	595	667	663	681	648	586	484	486	
State of Iowa	107750	120511	138897	141193	145639	147823	143810	129308	111612	99383	100189	122129	143889	150530	159672	166165	166212	153786	138092	129426	136768	

Table 5. Average (in \$s) and Adjusted Average (in 1998 \$s) Food Stamp Benefits Received Per Person Per Month in Iowa's Counties, 1988-1998.

County	Average (in \$s) Benefits Received Per Person Per Month											Adjusted Average (in 1998 \$s) Benefits Received Per Person Per Month									
	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988
Adair	63.95	58.77	60.18	60.14	57.98	59.78	58.85	53.23	48.55	45.86	42.62	59.56	62.34	64.11	63.57	67.20	67.94	63.28	60.19	59.79	58.06
Adams	59.96	58.00	62.33	58.71	54.94	57.99	57.11	56.20	48.55	45.88	45.74	58.78	64.57	62.59	60.24	65.19	65.93	66.82	59.98	59.61	62.50
Allamakee	59.75	58.97	62.39	59.34	57.91	56.83	55.36	51.89	48.04	43.94	42.38	59.76	64.63	63.26	63.49	63.88	63.91	61.66	59.49	57.13	57.92
Appanoose	63.06	62.07	63.97	62.46	60.74	60.13	61.82	57.52	53.55	49.23	46.95	62.90	66.27	66.59	66.60	67.59	71.45	68.41	66.28	64.12	64.13
Audubon	63.17	58.08	59.11	57.92	53.82	54.35	53.78	54.19	48.92	45.45	47.66	58.86	61.23	61.75	59.00	61.10	62.10	64.32	60.60	59.35	64.92
Benton	60.48	59.98	61.89	61.15	60.29	59.83	58.77	57.57	53.03	48.38	46.23	60.78	64.11	65.19	66.10	67.26	67.94	68.51	65.60	63.02	63.11
Black Hawk	64.41	63.66	65.88	64.57	62.16	61.75	61.86	58.10	54.27	50.16	49.00	64.51	68.25	68.84	68.15	69.41	71.50	69.10	67.15	65.33	66.89
Boone	64.36	65.02	68.59	66.17	65.11	65.09	64.90	58.99	53.01	48.15	48.04	65.90	71.06	70.55	71.39	73.16	74.98	70.19	65.63	62.70	65.63
Bremer	60.28	59.24	59.43	60.86	57.71	56.48	57.63	55.02	52.37	46.84	45.82	60.03	61.56	64.89	63.27	63.49	66.66	65.49	64.75	61.03	62.57
Buchanan	60.37	57.04	61.81	59.92	57.45	56.58	58.89	57.23	52.72	48.34	47.10	57.81	64.03	63.89	62.98	63.60	68.04	68.05	65.27	62.97	64.31
Buena Vista	64.89	61.87	61.18	61.97	57.84	58.95	59.77	54.79	51.45	45.56	43.79	62.70	63.38	66.06	63.42	66.27	69.02	65.16	63.62	59.42	59.76
Butler	56.61	54.77	55.66	57.85	54.78	54.03	56.14	55.25	49.94	45.15	43.49	55.51	57.66	61.68	60.06	60.73	64.84	65.69	61.83	58.82	59.42
Calhoun	57.14	56.06	59.00	57.94	56.87	56.08	56.13	53.21	48.21	46.11	43.66	56.82	61.12	61.77	62.36	63.04	64.95	63.28	59.61	59.96	59.53
Carroll	55.67	56.29	56.25	56.48	56.65	56.29	56.78	53.48	49.14	44.52	43.24	57.05	58.27	60.22	62.11	63.27	65.56	63.64	60.77	57.97	58.98
Cass	55.34	55.90	58.93	60.11	56.14	57.45	58.97	56.61	51.81	47.50	46.49	56.65	61.05	64.08	61.55	64.58	68.21	67.28	64.11	61.89	63.43
Cedar	64.42	64.28	65.02	63.83	60.36	62.41	60.79	57.25	53.51	49.74	48.26	65.15	67.36	68.05	66.17	70.16	70.32	68.09	66.21	64.72	65.94
Cerro Gordo	61.47	62.03	63.52	62.04	59.58	60.03	60.64	58.23	53.42	49.03	46.51	62.86	65.80	66.15	65.32	67.48	70.06	69.27	66.09	63.87	63.50
Cherokee	57.67	59.93	61.42	62.80	59.93	58.08	59.66	55.40	50.67	46.17	44.93	60.73	63.63	66.96	65.71	65.29	68.93	65.89	62.74	60.18	61.35
Chickasaw	60.07	56.44	57.36	56.01	54.93	55.67	53.74	53.90	49.39	44.41	44.35	57.20	59.42	59.72	60.22	62.57	62.07	64.14	61.13	57.86	60.45
Clarke	63.79	63.05	65.54	64.99	62.51	59.57	59.24	57.01	53.24	47.73	47.12	63.89	67.90	69.29	68.53	66.96	68.51	67.82	65.82	62.23	64.29
Clay	60.47	60.06	62.50	59.28	55.16	53.89	55.81	52.84	49.49	45.05	42.47	60.87	64.75	63.20	60.48	60.57	64.46	62.79	61.22	58.61	58.00
Clayton	59.30	56.12	60.16	59.11	57.33	54.48	57.16	53.42	49.00	44.76	44.03	56.88	62.32	63.02	62.85	61.24	66.00	63.48	60.65	58.28	60.13
Clinton	65.25	65.25	67.88	66.17	64.20	64.07	65.87	62.37	57.20	52.60	50.46	66.13	70.32	70.55	70.38	72.02	76.14	74.17	70.79	68.52	68.88
Crawford	62.63	61.21	62.67	61.83	59.81	59.28	60.81	56.37	51.13	46.82	45.54	62.04	64.92	65.92	65.58	66.64	70.31	66.98	63.31	61.01	62.15
Dallas	68.26	66.25	68.52	68.97	64.75	64.55	64.03	59.36	55.07	50.71	47.66	67.14	70.98	73.53	70.99	72.56	74.02	70.57	68.12	66.03	65.05
Davis	60.36	62.01	62.68	62.40	62.43	61.23	60.00	56.91	53.32	47.35	45.44	62.84	64.93	66.52	68.45	68.83	69.41	67.73	65.88	61.59	62.08
Decatur	60.47	58.05	59.41	57.70	57.50	56.72	56.29	52.72	48.71	44.18	41.68	58.83	61.55	61.52	63.05	63.76	65.05	62.67	60.20	57.59	56.95
Delaware	54.75	56.10	57.29	57.65	52.49	52.09	54.94	53.06	49.49	45.90	44.35	56.85	59.35	61.46	57.55	58.56	63.44	63.12	61.29	59.79	60.52
Des Moines	67.70	66.84	67.34	66.69	63.47	63.57	63.52	60.21	55.50	50.36	47.61	67.74	69.76	71.10	69.59	71.46	73.43	71.62	68.67	65.58	64.98
Dickinson	63.14	61.36	63.13	63.27	60.40	58.53	57.80	54.55	49.30	45.60	44.86	62.18	65.40	67.45	66.22	65.79	66.79	64.82	60.98	59.38	61.25
Dubuque	62.80	61.64	62.70	61.36	59.39	59.68	60.48	57.73	52.80	48.44	46.47	62.47	64.96	65.42	65.12	67.08	69.90	68.68	65.33	63.08	63.43
Emmet	56.28	55.50	57.08	60.05	57.45	56.72	58.03	57.23	52.96	46.23	42.99	56.24	59.13	64.02	62.98	63.76	67.05	68.03	65.57	60.15	58.75
Fayette	59.44	59.35	61.13	57.73	55.05	54.73	54.54	52.03	47.76	43.88	43.11	60.15	63.33	61.54	60.35	61.52	63.02	61.84	59.11	57.16	58.88

Table 5. Average (in \$s) and Adjusted Average (in 1998 \$s) Food Stamp Benefits Received Per Person Per Month in Iowa's Counties, 1988-1998 (continued).

County	Average (in \$s) Benefits Received Per Person Per Month											Adjusted Average (in 1998 \$s) Benefits Received Per Person Per Month										
	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	
Floyd	61.00	59.24	58.37	59.46	56.61	55.98	54.70	52.02	48.44	42.88	42.26	60.03	60.46	63.40	62.07	62.93	63.23	61.88	59.93	55.90	57.74	
Franklin	57.62	55.23	57.49	58.14	56.01	56.37	57.25	56.41	53.55	48.00	45.47	55.97	59.56	61.99	61.41	63.37	66.21	67.00	66.30	62.56	62.00	
Fremont	59.18	56.03	59.41	60.47	55.94	54.00	54.08	52.56	48.35	42.73	42.60	56.78	61.55	64.47	61.33	60.71	62.51	62.43	59.89	55.62	58.20	
Greene	60.30	57.96	60.30	59.87	55.93	56.83	57.60	54.59	49.51	45.68	43.40	58.74	62.46	63.82	61.32	63.88	66.48	64.89	61.16	59.42	59.22	
Grundy	61.13	63.81	63.15	63.77	59.44	60.80	62.56	60.00	53.13	47.42	47.33	64.66	65.42	67.98	65.16	68.34	72.18	71.34	65.59	61.67	64.53	
Guthrie	61.50	59.39	61.20	58.41	55.98	55.96	57.18	52.76	48.40	45.56	44.03	60.19	63.40	62.27	61.38	62.91	66.13	62.82	59.81	59.34	60.08	
Hamilton	63.02	60.47	64.84	63.10	58.69	60.40	60.60	56.42	50.32	45.16	46.15	61.28	67.17	67.27	64.35	67.89	70.07	67.04	62.30	58.77	63.03	
Hancock	59.26	60.19	61.42	58.89	57.27	55.57	56.76	51.49	46.75	43.31	43.46	60.99	63.63	62.78	62.78	62.47	65.53	61.24	57.90	56.48	59.36	
Hardin	59.29	60.40	61.33	60.72	59.48	58.53	55.86	52.05	50.15	45.11	43.09	61.21	63.53	64.73	65.21	65.80	64.61	61.90	62.02	58.79	58.85	
Harrison	59.10	60.19	58.44	57.51	55.27	54.82	56.47	53.22	49.25	44.75	43.39	61.00	60.54	61.31	60.60	61.62	65.28	63.28	60.98	58.30	59.18	
Henry	63.28	63.48	64.49	63.43	59.75	60.31	59.20	54.82	52.53	47.47	47.44	64.33	66.81	67.63	65.50	67.79	68.39	65.24	64.99	61.80	64.83	
Howard	55.33	56.30	56.49	54.97	54.85	53.95	54.77	51.10	46.54	43.71	43.51	57.05	58.52	58.61	60.13	60.64	63.30	60.66	57.70	57.03	59.44	
Humboldt	58.01	57.08	59.62	57.81	54.24	56.28	55.37	51.86	47.06	43.08	43.38	57.85	61.77	61.63	59.46	63.26	64.07	61.72	58.16	56.18	59.11	
Ida	59.87	58.12	58.89	56.15	53.90	52.25	53.97	50.81	44.59	41.40	42.34	58.90	61.01	59.86	59.10	58.74	62.42	60.38	55.40	54.19	57.79	
Iowa	61.71	60.84	63.92	58.12	57.01	56.72	56.89	55.09	52.36	48.58	44.99	61.66	66.22	61.96	62.51	63.76	65.66	65.47	64.81	63.35	61.28	
Jackson	58.83	60.20	63.12	60.24	58.85	58.25	58.56	56.79	51.77	47.68	46.01	61.01	65.39	64.23	64.52	65.47	67.66	67.51	64.01	62.08	62.81	
Jasper	66.91	64.88	64.17	64.18	60.75	61.64	61.64	57.65	53.27	47.83	46.75	65.75	66.48	68.42	66.61	69.29	71.24	68.58	65.94	62.27	63.83	
Jefferson	69.89	68.74	70.11	69.12	66.01	65.98	64.19	61.85	55.57	50.81	50.60	69.66	72.63	73.69	72.37	74.17	74.16	73.59	68.76	66.17	69.00	
Johnson	70.88	70.62	73.04	71.12	67.30	66.37	65.61	60.69	55.24	51.23	50.00	71.57	75.67	75.82	73.79	74.60	75.83	72.16	68.32	66.74	68.23	
Jones	63.85	62.52	64.05	64.57	59.87	59.19	59.57	55.62	51.45	47.85	46.88	63.36	66.35	68.84	65.64	66.53	68.81	66.09	63.64	62.28	64.03	
Keokuk	56.05	57.72	60.65	60.62	55.82	57.61	59.72	56.84	52.10	48.07	45.50	58.49	62.83	64.63	61.20	64.76	69.08	67.57	64.51	62.57	62.19	
Kossuth	57.44	54.24	57.24	56.98	55.52	54.86	55.13	54.41	48.99	43.01	42.93	54.96	59.30	60.75	60.87	61.67	63.75	64.69	60.63	56.05	58.54	
Lee	65.53	64.53	64.91	63.08	61.70	62.42	62.68	60.21	55.36	50.65	49.49	65.40	67.24	67.25	67.65	70.16	72.46	71.60	68.50	65.97	67.54	
Linn	67.12	67.71	69.37	67.45	64.79	64.59	64.26	61.12	56.59	51.88	50.11	68.62	71.86	71.92	71.04	72.61	74.26	72.69	70.01	67.56	68.41	
Louisa	67.04	65.49	65.27	65.57	62.59	61.82	61.61	58.25	54.90	49.79	48.40	66.37	67.62	69.90	68.62	69.49	71.19	69.33	67.93	64.86	66.07	
Lucas	61.28	61.54	65.01	62.22	59.25	58.55	58.99	55.29	52.98	48.90	45.67	62.36	67.35	66.33	64.95	65.81	68.13	65.74	65.55	63.64	62.33	
Lyon	53.30	54.85	56.94	54.60	51.08	51.81	50.65	47.10	44.04	40.53	41.48	55.59	58.99	58.21	56.00	58.23	58.43	56.01	54.58	52.65	56.64	
Madison	61.95	62.40	63.66	63.41	58.28	59.78	59.41	56.02	53.43	48.96	47.56	63.24	65.95	67.61	63.90	67.20	68.72	66.65	66.06	63.73	64.84	
Mahaska	66.29	64.91	63.89	61.92	60.03	59.18	58.87	55.97	52.08	47.72	45.47	65.78	66.19	66.01	65.82	66.52	68.05	66.57	64.44	62.11	62.10	
Marion	62.23	60.58	63.12	63.33	61.04	62.76	61.97	58.12	52.98	48.55	46.81	61.39	65.39	67.52	66.92	70.54	71.62	69.13	65.57	63.20	63.88	
Marshall	67.79	67.53	68.91	65.13	62.09	62.76	62.58	59.06	55.26	51.10	48.88	68.44	71.39	69.43	68.07	70.55	72.35	70.22	68.37	66.54	66.75	
Mills	67.90	64.85	66.96	65.82	63.26	61.24	59.16	55.75	52.84	49.16	47.00	65.72	69.37	70.17	69.36	68.84	68.31	66.33	65.39	64.04	64.20	
Mitchell	60.50	55.64	56.58	55.83	54.30	55.85	57.69	51.76	47.29	43.10	42.47	56.39	58.61	59.52	59.53	62.79	66.63	61.49	58.59	56.01	57.93	

Table 5. Average (in \$s) and Adjusted Average (in 1998 \$s) Food Stamp Benefits Received Per Person Per Month in Iowa's Counties, 1988-1998 (continued).

County	Average (in \$s) Benefits Received Per Person Per Month											Adjusted Average (in 1998 \$s) Benefits Received Per Person Per Month										
	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	
Monona	57.24	57.79	59.60	58.00	56.07	56.23	56.04	53.97	48.84	44.25	42.93	58.57	61.74	61.84	61.47	63.21	64.72	64.14	60.41	57.61	58.55	
Monroe	57.11	56.19	60.12	59.03	57.82	57.90	59.31	56.83	52.60	48.54	46.79	56.94	62.28	62.93	63.39	65.08	68.59	67.53	65.06	63.17	63.94	
Montgomery	66.07	62.97	63.02	60.99	58.01	58.95	60.32	57.47	51.23	46.21	44.59	63.81	65.28	65.02	63.59	66.26	69.72	68.32	63.37	60.10	60.96	
Muscatine	69.22	68.07	68.61	67.30	64.17	62.05	61.53	58.92	55.12	50.21	48.45	68.98	71.07	71.75	70.35	69.75	71.10	70.09	68.21	65.38	66.16	
O'Brien	55.03	55.78	55.72	55.39	49.87	51.02	51.01	50.00	46.50	43.47	41.83	56.53	57.73	59.05	54.68	57.35	59.02	59.54	57.58	56.62	57.08	
Osceola	57.00	58.96	55.45	56.98	56.35	54.27	56.63	53.23	48.70	42.74	41.99	59.75	57.45	60.74	61.78	61.00	65.62	63.27	60.09	55.86	57.19	
Page	59.57	58.68	58.32	58.04	54.87	55.90	55.28	51.50	48.18	44.99	43.10	59.47	60.42	61.87	60.16	62.84	63.85	61.25	59.61	58.59	58.88	
Palo Alto	54.27	53.64	53.17	55.68	53.49	56.77	56.23	51.74	45.85	42.37	42.10	54.36	55.09	59.36	58.65	63.81	65.02	61.48	56.65	55.18	57.53	
Plymouth	57.54	56.38	56.98	55.47	53.01	53.37	53.53	50.00	46.03	43.10	42.63	57.14	59.03	59.13	58.12	59.99	61.88	59.52	57.04	56.11	58.25	
Pocahontas	55.16	55.97	56.57	55.44	53.56	54.02	57.17	53.22	48.94	45.89	43.01	56.72	58.60	59.11	58.72	60.73	66.09	63.31	60.47	59.74	58.81	
Polk	70.93	70.94	72.40	71.61	69.23	71.80	67.27	63.71	58.27	52.91	50.47	71.89	75.01	76.35	75.91	80.71	77.75	75.76	72.10	68.91	68.90	
Pottawattamie	69.11	67.81	69.03	67.80	64.98	64.30	64.23	61.61	56.82	51.66	49.65	68.72	71.51	72.28	71.24	72.28	74.24	73.28	70.31	67.28	67.78	
Poweshiek	65.56	63.90	66.59	64.48	61.30	61.65	61.29	57.22	51.61	47.95	46.33	64.76	68.99	68.74	67.21	69.30	70.81	68.07	63.81	62.44	63.23	
Ringgold	56.38	56.25	58.08	56.76	53.34	55.09	55.67	53.75	47.54	44.66	43.54	57.01	60.17	60.52	58.48	61.93	64.40	63.97	58.85	58.13	59.38	
Sac	56.54	52.33	55.71	56.82	54.71	53.27	55.65	52.74	47.05	41.97	39.32	53.03	57.71	60.58	59.98	59.88	64.39	62.68	58.25	54.68	53.69	
Scott	69.89	69.12	70.71	70.10	67.47	67.47	66.90	62.81	58.83	54.21	52.04	70.05	73.25	74.73	73.97	75.84	77.32	74.69	72.78	70.59	71.03	
Shelby	58.28	56.79	61.55	59.33	58.40	55.29	54.49	54.27	49.44	44.92	44.53	57.55	63.77	63.25	64.03	62.16	63.04	64.46	61.08	58.50	60.90	
Sioux	57.87	56.21	58.33	54.10	50.76	50.14	50.57	47.75	42.60	39.63	39.32	56.96	60.43	57.68	55.66	56.36	58.39	56.84	52.64	51.61	53.70	
Story	72.27	70.77	74.41	73.90	71.31	68.41	65.96	60.56	55.85	52.26	49.50	71.72	77.08	78.78	78.19	76.90	76.23	72.05	69.10	68.04	67.61	
Tama	60.70	60.06	61.15	60.87	57.57	57.86	59.38	56.69	52.85	48.85	46.80	60.87	63.35	64.90	63.12	65.04	68.67	67.45	65.42	63.55	63.93	
Taylor	57.81	54.15	56.56	54.68	55.88	55.69	57.03	50.97	45.26	40.73	40.83	54.87	58.60	58.30	61.27	62.60	65.92	60.70	55.98	52.97	55.73	
Union	59.97	60.93	62.67	62.93	59.07	57.51	58.63	55.47	51.00	46.10	43.89	61.74	64.93	67.09	64.76	64.64	67.73	65.95	63.10	60.05	59.89	
Van Buren	60.16	61.04	60.59	59.83	58.98	58.11	58.45	55.83	51.10	46.39	44.68	61.86	62.77	63.79	64.67	65.32	67.59	66.48	63.18	60.46	61.06	
Wapello	63.38	62.68	64.69	61.80	60.63	60.49	60.71	57.54	53.85	50.42	47.87	63.52	67.02	65.89	66.48	68.00	70.16	68.44	66.62	65.66	65.34	
Warren	67.33	64.71	65.62	66.00	63.40	63.65	62.59	58.49	55.29	50.28	48.55	65.58	67.98	70.36	69.51	71.55	72.32	69.57	68.44	65.51	66.27	
Washington	63.17	60.78	64.52	61.09	58.77	58.48	60.02	56.04	51.87	48.76	47.74	61.59	66.84	65.13	64.43	65.74	69.42	66.68	64.15	63.47	65.23	
Wayne	59.59	57.90	59.45	56.61	53.77	54.10	54.56	51.59	47.86	44.41	42.49	58.67	61.59	60.36	58.95	60.81	63.14	61.39	59.27	57.88	57.93	
Webster	62.73	62.71	64.42	63.38	61.32	61.36	61.43	57.63	53.12	48.44	46.74	63.55	66.74	67.57	67.23	68.97	70.99	68.52	65.72	63.09	63.82	
Winnebago	58.55	57.14	59.13	57.67	57.44	57.97	56.82	52.99	49.37	45.25	43.70	57.91	61.26	61.48	62.97	65.17	65.58	63.11	60.97	58.98	59.49	
Winneshiak	55.40	52.03	55.27	55.16	54.19	55.27	55.39	52.65	49.01	45.11	44.69	52.73	57.25	58.81	59.41	62.12	64.04	62.63	60.59	58.77	60.96	
Woodbury	66.37	64.71	65.12	64.33	60.64	60.55	60.28	56.86	52.43	47.64	46.16	65.58	67.46	68.59	66.49	68.07	69.68	67.63	64.86	62.05	63.00	
Worth	61.74	59.39	60.44	60.18	59.75	59.28	59.10	55.10	51.11	46.05	43.89	60.18	62.61	64.16	65.50	66.64	68.25	65.47	63.22	60.00	60.08	
Wright	60.12	58.70	61.20	59.95	58.98	59.35	57.56	57.16	53.89	49.84	46.19	59.49	63.40	63.91	64.66	66.71	66.50	67.91	66.61	64.92	63.07	
State of Iowa	65.31	64.61	66.17	65.05	62.50	62.66	61.99	58.61	54.08	49.47	47.65	65.48	68.55	69.35	68.52	70.43	71.65	69.70	66.91	64.42	65.05	

Table 6. Percentage Changes in Population, Persons Receiving Food Stamps, Adjusted Total Annual Food Stamp Benefits, and Adjusted Average Food Stamp Benefits Received Per Person Per Month in Iowa's Counties, 1988-1998.

County	Estimated Population			Persons Receiving Food Stamps			Adj. (1998 \$s) Total Annual Food Stamp Benefits			Adj. (1998 \$s) Avg. Food Stamp Benefits Received Per Person Per Month		
	1 Yr	5 Yrs	10 Yrs	1 Yr	5 Yrs	10 Yrs	1 Yr	5 Yrs	10 Yrs	1 Yr	5 Yrs	10 Yrs
Adair	-1.1	-4.1	-5.2	-19.7	-33.1	-23.7	-13.7	-36.3	-16.0	7.4	-4.8	10.2
Adams	-1.3	-5.2	-14.6	-8.7	-30.7	-25.0	-6.8	-36.2	-28.2	2.0	-8.0	-4.1
Allamakee	-0.1	-0.2	-1.2	-18.1	-29.6	-34.1	-18.1	-34.2	-32.1	0.0	-6.5	3.1
Appanoose	0.5	-1.7	-2.6	-12.1	-22.7	-23.4	-11.8	-27.9	-24.7	0.2	-6.7	-1.7
Audubon	-0.5	-3.1	-9.7	-16.2	-29.4	-33.3	-10.2	-27.1	-35.0	7.3	3.4	-2.7
Benton	1.7	8.4	14.0	-17.1	-38.7	-31.1	-17.5	-44.9	-34.0	-0.5	-10.1	-4.2
Black Hawk	-0.4	-2.6	-1.1	-10.1	-21.5	-25.5	-10.2	-27.1	-28.3	-0.2	-7.2	-3.7
Boone	0.2	4.1	4.2	-16.0	-39.1	-26.8	-18.0	-46.4	-28.3	-2.3	-12.0	-1.9
Bremer	0.5	1.1	4.0	-12.6	-43.4	-43.7	-12.4	-46.3	-45.8	0.4	-5.1	-3.7
Buchanan	0.0	0.3	2.1	-10.9	-39.4	-50.6	-7.0	-42.5	-53.6	4.4	-5.1	-6.1
Buena Vista	-0.4	-3.8	-3.5	-7.3	-18.6	-5.2	-4.2	-20.3	2.9	3.5	-2.1	8.6
Butler	-0.3	0.1	-1.7	-9.7	-29.5	-44.5	-7.8	-34.1	-47.0	2.0	-6.8	-4.7
Calhoun	-0.2	-1.2	-2.2	-12.8	-28.0	-26.3	-12.2	-34.7	-29.2	0.6	-9.4	-4.0
Carroll	0.2	0.5	-0.1	-5.7	-24.9	-17.7	-7.8	-33.9	-22.3	-2.4	-12.0	-5.6
Cass	-1.1	-2.9	-4.8	-15.7	-40.8	-17.2	-17.6	-49.3	-27.8	-2.3	-14.3	-12.7
Cedar	-0.1	2.7	3.7	-18.3	-34.1	-26.4	-19.2	-39.5	-28.0	-1.1	-8.2	-2.3
Cerro Gordo	-0.5	-0.8	-2.3	-10.2	-29.6	-14.5	-12.2	-35.8	-17.2	-2.2	-8.9	-3.2
Cherokee	-1.1	-5.1	-7.6	-14.8	-37.3	-32.1	-18.8	-44.5	-36.1	-5.0	-11.7	-6.0
Chickasaw	0.1	1.0	-0.7	-17.3	-37.3	-51.2	-13.1	-39.9	-51.5	5.0	-4.0	-0.6
Clarke	1.6	0.3	-0.6	-10.1	-31.6	-18.7	-10.2	-34.8	-19.3	-0.2	-4.7	-0.8
Clay	-0.4	-0.8	1.9	-9.4	-37.1	-39.9	-10.1	-37.2	-37.3	-0.7	-0.2	4.3
Clayton	-0.3	-0.6	-3.3	-12.0	-38.6	-54.2	-8.2	-40.5	-54.8	4.3	-3.2	-1.4
Clinton	-0.4	-2.6	-2.9	-8.8	-25.9	-14.7	-10.0	-32.9	-19.2	-1.3	-9.4	-5.3
Crawford	-0.1	-0.4	-5.9	-11.8	-22.1	-12.8	-10.9	-26.7	-12.2	1.0	-6.0	0.8
Dallas	3.1	15.9	26.5	-10.8	-35.3	-27.8	-9.3	-39.1	-24.2	1.7	-5.9	4.9
Davis	-0.5	0.3	0.3	-15.6	-40.5	-56.2	-18.8	-47.8	-57.3	-3.9	-12.3	-2.8
Decatur	0.4	2.2	-2.9	-10.4	-28.3	-14.7	-7.9	-32.1	-9.5	2.8	-5.2	6.2
Delaware	0.6	1.5	3.3	-9.5	-36.9	-49.5	-13.0	-41.0	-54.4	-3.7	-6.5	-9.5
Des Moines	-0.4	-2.1	-2.0	-5.4	-16.1	3.1	-5.5	-20.5	7.4	-0.1	-5.3	4.2
Dickinson	1.1	5.6	10.2	-4.6	-16.2	-20.1	-3.1	-19.5	-17.6	1.5	-4.0	3.1
Dubuque	-0.4	-0.1	0.5	-7.4	-23.9	-32.9	-6.9	-28.7	-33.5	0.5	-6.4	-1.0
Emmet	-0.8	-4.6	-6.8	-9.8	-44.7	-41.8	-9.9	-51.2	-44.3	0.1	-11.7	-4.2
Fayette	-0.7	-0.8	-0.5	-12.3	-32.5	-32.1	-13.3	-34.8	-31.4	-1.2	-3.4	0.9
Floyd	-0.9	-2.7	-6.0	-9.0	-31.8	-25.2	-7.4	-33.8	-20.9	1.6	-3.1	5.6
Franklin	-0.4	-3.4	-5.8	-19.3	-35.6	-25.7	-17.1	-41.6	-31.1	3.0	-9.1	-7.1
Fremont	-0.7	-4.8	-8.2	-7.1	-16.9	-0.7	-3.1	-18.9	1.2	4.2	-2.5	1.7
Greene	-0.1	-0.7	-2.4	-6.5	-24.4	-2.6	-4.1	-28.7	-0.8	2.7	-5.6	1.8
Grundy	-0.9	1.1	-0.8	-13.3	-40.1	-33.7	-18.0	-46.4	-37.1	-5.5	-10.5	-5.3
Guthrie	0.9	3.4	4.6	-14.2	-41.4	-34.3	-12.4	-42.7	-32.7	2.2	-2.2	2.4
Hamilton	-0.1	-0.2	-2.7	-13.4	-40.6	-32.9	-10.9	-44.7	-32.8	2.8	-7.2	0.0
Hancock	0.2	-0.9	-6.4	-12.6	-47.9	-40.7	-15.0	-50.5	-40.7	-2.8	-5.1	-0.2
Hardin	-0.6	-0.8	-4.8	-14.8	-43.5	-29.3	-17.5	-49.0	-28.6	-3.1	-9.9	0.8
Harrison	0.4	3.8	1.9	-11.8	-30.8	-22.8	-14.7	-33.7	-23.0	-3.1	-4.1	-0.1
Henry	0.6	2.2	4.5	-10.9	-27.6	6.7	-12.4	-32.5	4.2	-1.6	-6.7	-2.4
Howard	-0.2	-2.0	-3.6	-16.3	-43.7	-45.4	-18.7	-48.6	-49.2	-3.0	-8.7	-6.9
Humboldt	-0.3	-1.4	-5.0	-9.0	-38.0	-38.7	-8.5	-43.0	-39.7	0.3	-8.3	-1.9
Ida	-1.2	-4.8	-5.2	-3.5	-13.4	11.7	-1.8	-11.9	15.7	1.6	1.9	3.6
Iowa	0.4	4.5	5.8	-13.9	-22.4	-6.4	-13.8	-24.7	-5.8	0.1	-3.2	0.7
Jackson	0.1	-0.3	-2.5	-14.3	-39.7	-45.8	-17.5	-45.9	-49.3	-3.6	-10.1	-6.3
Jasper	0.5	2.7	3.5	-5.6	-31.7	-24.2	-3.9	-34.1	-20.6	1.8	-3.4	4.8

Table 6. Percentage Changes in Population, Persons Receiving Food Stamps, Adjusted Total Annual Food Stamp Benefits, and Adjusted Average Food Stamp Benefits Received Per Person Per Month in Iowa's Counties, 1988-1998 (cont.).

County	Estimated Population			Persons Receiving Food Stamps			Adj. (1998 \$s) Total Annual Food Stamp Benefits			Adj. (1998 \$s) Avg. Food Stamp Benefits Received Per Person Per Month		
	1 Yr	5 Yrs	10 Yrs	1 Yr	5 Yrs	10 Yrs	1 Yr	5 Yrs	10 Yrs	1 Yr	5 Yrs	10 Yrs
Jefferson	0.2	2.2	4.7	-8.0	-30.6	-9.3	-7.7	-34.6	-8.1	0.3	-5.8	1.3
Johnson	0.8	3.9	11.0	-11.5	-11.6	26.7	-12.4	-16.0	31.6	-1.0	-5.0	3.9
Jones	0.4	2.6	6.3	-11.7	-31.0	-29.3	-10.9	-33.8	-29.4	0.8	-4.0	-0.3
Keokuk	-0.2	-1.0	-2.8	-9.5	-19.8	-11.1	-13.4	-30.6	-19.8	-4.2	-13.4	-9.9
Kossuth	-1.0	-2.2	-6.8	-4.4	-37.1	-25.1	-0.1	-41.5	-26.6	4.5	-6.9	-1.9
Lee	-0.5	-1.0	-1.8	-8.2	-26.5	-15.9	-8.0	-31.4	-18.4	0.2	-6.6	-3.0
Linn	0.8	4.3	10.0	-9.8	-25.8	-18.3	-11.8	-31.4	-19.8	-2.2	-7.6	-1.9
Louisa	0.4	1.6	2.6	-15.2	-24.0	-10.5	-14.4	-26.7	-9.3	1.0	-3.5	1.5
Lucas	0.4	1.1	-1.6	-10.2	-18.3	-9.6	-11.8	-23.9	-11.2	-1.7	-6.9	-1.7
Lyon	0.2	0.4	0.6	-18.0	-43.8	-41.9	-21.2	-48.5	-45.2	-4.1	-8.5	-5.9
Madison	1.0	7.8	12.6	-16.5	-46.8	-35.8	-18.1	-50.9	-38.6	-2.0	-7.8	-4.5
Mahaska	0.6	1.1	1.6	-10.9	-19.7	-12.5	-10.3	-20.0	-6.7	0.8	-0.4	6.7
Marion	0.4	3.1	4.9	-16.8	-39.6	-29.8	-15.7	-46.7	-31.6	1.4	-11.8	-2.6
Marshall	-0.2	2.2	0.8	-12.1	-22.3	-6.0	-12.9	-25.3	-4.5	-0.9	-3.9	1.6
Mills	0.9	8.3	8.7	-12.7	-22.9	0.3	-9.8	-23.9	6.0	3.3	-1.4	5.8
Mitchell	-0.6	0.0	-0.9	-19.2	-48.6	-55.2	-13.6	-50.6	-53.3	7.3	-3.6	4.4
Monona	-0.2	0.3	-1.9	-9.2	-40.3	-34.9	-11.2	-45.8	-36.3	-2.3	-9.4	-2.2
Monroe	-0.5	-1.4	-1.4	-13.5	-32.3	-39.4	-13.1	-40.6	-45.9	0.3	-12.2	-10.7
Montgomery	0.3	-1.0	-1.2	-7.7	-10.4	27.7	-4.4	-10.6	38.4	3.5	-0.3	8.4
Muscatine	0.5	0.2	3.5	-15.0	-25.6	-14.6	-14.7	-26.2	-10.7	0.3	-0.8	4.6
O'Brien	-0.5	-3.2	-4.2	-6.5	-29.5	-27.5	-8.8	-32.3	-29.9	-2.7	-4.1	-3.6
Osceola	-1.2	-2.9	-5.0	-34.4	-47.7	-50.5	-37.5	-51.1	-50.6	-4.6	-6.6	-0.3
Page	0.7	3.9	3.2	-2.6	-15.6	-12.4	-2.3	-20.0	-11.3	0.2	-5.2	1.2
Palo Alto	-0.6	-4.0	-7.7	-21.2	-50.7	-49.0	-21.2	-58.1	-51.9	-0.2	-15.0	-5.7
Plymouth	-0.3	3.7	4.8	-10.3	-16.0	-39.1	-9.7	-19.4	-39.8	0.7	-4.1	-1.2
Pocahontas	-0.6	-4.1	-11.0	-11.1	-34.4	-9.1	-13.6	-40.5	-15.0	-2.8	-9.2	-6.2
Polk	1.0	4.9	13.5	-12.3	-34.0	-14.4	-13.4	-42.0	-11.8	-1.3	-12.1	3.0
Pottawattamie	1.0	3.2	3.4	-11.0	-33.0	-6.0	-10.5	-35.9	-4.1	0.6	-4.4	2.0
Poweshiek	-0.4	0.0	-0.3	-11.3	-31.7	-12.2	-10.2	-35.4	-9.0	1.2	-5.4	3.7
Ringgold	0.0	-0.3	-1.3	-10.1	-26.4	-27.9	-11.1	-32.8	-31.4	-1.1	-8.9	-5.0
Sac	0.0	-1.0	-3.6	-12.9	-22.4	-13.4	-7.0	-26.6	-8.9	6.6	-5.6	5.3
Scott	0.5	1.9	5.6	-13.3	-31.4	-18.5	-13.5	-36.8	-19.8	-0.2	-7.8	-1.6
Shelby	-0.8	-1.5	-3.3	-10.9	-29.2	-7.4	-9.6	-33.6	-11.2	1.3	-6.2	-4.3
Sioux	0.8	1.3	4.3	-8.2	-12.3	-39.5	-6.6	-9.8	-34.8	1.6	2.7	7.8
Story	0.8	0.8	1.9	-14.9	-28.6	-4.6	-14.2	-32.9	2.0	0.8	-6.0	6.9
Tama	0.4	0.8	0.4	-17.6	-45.0	-41.2	-17.9	-48.7	-44.2	-0.3	-6.7	-5.1
Taylor	0.4	1.1	-1.2	-13.8	-24.5	-20.0	-9.4	-30.3	-17.1	5.4	-7.6	3.7
Union	0.3	0.0	-1.5	-16.4	-39.2	-29.5	-18.7	-43.5	-29.4	-2.9	-7.2	0.1
Van Buren	0.7	1.5	0.5	-6.3	-34.7	-37.0	-8.9	-39.8	-37.9	-2.8	-7.9	-1.5
Wapello	-0.2	-1.7	-0.4	-10.9	-16.6	-16.8	-11.0	-22.2	-19.3	-0.2	-6.8	-3.0
Warren	1.1	6.1	14.3	-16.5	-46.6	-32.4	-14.3	-49.7	-31.4	2.7	-5.9	1.6
Washington	0.3	3.5	6.8	-10.3	-24.9	-22.3	-7.9	-27.8	-24.7	2.6	-3.9	-3.2
Wayne	-1.6	-4.6	-6.0	-11.7	-33.9	-34.3	-10.3	-35.3	-32.5	1.6	-2.0	2.9
Webster	0.2	-2.9	-4.9	-16.1	-35.2	-25.3	-17.2	-41.0	-26.6	-1.3	-9.0	-1.7
Winnebago	-0.7	0.8	-1.0	-23.5	-34.6	-10.3	-22.8	-41.3	-11.6	1.1	-10.2	-1.6
Winneshiek	0.5	-0.3	-0.5	-19.7	-44.7	-49.7	-15.8	-50.8	-54.4	5.1	-10.8	-9.1
Woodbury	-0.3	0.9	4.2	-10.9	-37.0	-34.4	-9.8	-38.6	-30.9	1.2	-2.5	5.3
Worth	-0.1	-2.3	-4.7	-16.8	-55.9	-50.6	-14.7	-59.0	-49.2	2.6	-7.4	2.8
Wright	-0.9	-1.1	-2.2	-17.0	-39.2	-21.6	-16.1	-45.1	-25.1	1.1	-9.9	-4.7
State of Iowa	0.3	1.5	3.4	-11.6	-30.1	-21.5	-11.8	-35.2	-21.2	-0.3	-7.3	0.4

Percentage of the Population Receiving Food Stamps

An average of 4.8 percent of Iowa's population received food stamps each month during 1998 (Table 3). The percentage for the state had been 5.4 the previous year. In 1998, 61 counties averaged a lower percentage of residents receiving food stamps than did the state. Twenty-one counties had less than 3 percent of their populations in the food stamp program; Mitchell and Sioux were the only ones below 2 percent. Thirty-seven counties in 1998 had a higher percentage of residents receiving food stamps than the state total. Appanoose and Wapello listed more than 10.0 percent of their populations in the program (Figure 2).

All 99 counties had lower percentages of their populations in the food stamp program in 1998 than in 1997. Percentage point changes were small, however; none of the counties had declines of even two percentage points. In 1988, three counties reported less than 3 percent of their population receiving food stamps; 21 counties were below this level in 1998. At the other extreme, only two counties listed at least 10 percent receiving food stamps in 1998, which was a drop from the six in this category in 1988. In 1994, Decatur County had 13.6 percent of its residents receiving food stamp assistance; that was the highest monthly average for any county during these 11 years.

Total Annual Benefits Received

In 1998, Iowa distributed more than \$107 million in food stamp benefits (Table 4, Figure 3). This was \$13 million less than the total in 1997. Total cost of the program grew substantially from 1989 to 1993 but declined from that year to the present. In 1998, benefits were greater in Polk (\$15.4 million) than any other county, followed by Scott (\$9.5 million), Black Hawk (\$7.6 million), and Linn (\$6.4 million). In contrast, Audubon, Grundy, Ida, Lyon, Mitchell, Osceola, and Worth each reported less than \$200,000 in food stamp benefits.

Comparing 1998 with 1988 shows that state benefits increased by more than \$7 million; 48 counties had higher benefits in the more recent year. Des Moines, Johnson, Polk, Pottawattamie, and Scott experienced the largest increases. Of the 51 counties with lower benefits in 1998 than 1988, Buchanan, Clayton, Delaware, Dubuque, Jackson, and Woodbury were the only ones in which the decline exceeded \$200,000. Iowa's total food stamp benefits increased 7.5 percent between 1988 and 1998. Only Ida, Johnson, and Montgomery experienced gains greater than 50 percent during this period. The greatest percentage decline (-41.8%) occurred in Davis.

When inflation is taken into account, total food stamp benefits decreased by \$29.0 million from 1988 to 1998 in Iowa (Table 4). Ninety counties followed the statewide trend. That's in direct contrast to changes noted before the adjustment for inflation, when 48 had higher benefits in 1998 than in 1988. This indicates the importance of examining the influence of inflation on benefits received.

Average Monthly Benefits Per Person

The average amount provided in monthly benefits can be calculated by dividing the total benefits received by the number of recipients and dividing the result by 12. In 1998, each person in the food stamp program averaged a monthly benefit of \$65.31, which was \$0.70 higher than the average benefit in 1997 (Table 5, Figure 4). Iowa's counties varied significantly in the average monthly benefit received (Figure 5). The average of \$53.30 in Lyon was the lowest in 1998; it was one of three counties with an average less than \$55.00. Benefits greater than \$70.00 occurred in Johnson, Polk, and Story, with Story's average of \$72.27 the highest.

Seventy-two counties averaged more benefits per person in 1998 than one year earlier. All counties reported higher average monthly benefits in 1998 than in 1997. The monthly benefit increased 37.1 percent in Iowa over this period. This figure can be compared against the rate of inflation, which was 36.5 percent as measured by the change in the consumer price index from 1997 to 1998. When adjusted for inflation, changes in average monthly benefits are modest (Table 5). For example, the change was a \$0.16 decline between 1997 and 1998 after inflation was incorporated in the calculations. From 1988 to

1998, the inflation-adjusted gain was \$0.26, which was far less than the \$17.66 reported before inflation was taken into account.

Changes Between 1988 and 1998

Changes in total benefits are affected by population trends, participation in the program, and benefits provided per person. Annual population estimates indicate that Iowa's population grew by 3.4 percent between 1988 and 1998. Increases occurred in 40 counties (Table 6). Population change, however, did not necessarily relate to either the direction or the magnitude of participation in the food stamp program.

Of the 59 counties that declined in population, 56 had fewer people in the food stamp program in 1998 than in 1988 and three experienced increased numbers receiving food stamps (Table 6). In the 56 counties in which both population and program participation declined, the percentage changes in these factors varied widely. For example, Winneshiek's population was estimated to have decreased by 0.5 percent but food stamp participants dropped by 49.7 percent; on the other hand, Lucas had 1.6 percent fewer people and a 9.6 percent decline in food stamp recipients.

Changes in participation in the food stamp program varied in the 40 counties that gained population between 1988 and 1998 as well. Three had more persons in the food stamp program at the end of the period than the beginning while 37 had fewer. Obviously, factors other than population trends affect participation in the food stamp program; changes in jobs and income would need to be incorporated to better understand these variations.

Change in the number of recipients has a significant impact on change in adjusted total benefits. Changes in recipients and in benefits between 1988 and 1998 were in the same direction (both up or both down) and of similar magnitude in all but three counties (Table 6). These three (Buena Vista, Fremont, Story) reported decreases in recipients but increases in adjusted total annual benefits.

Figure 1. Average number of persons receiving food stamps in Iowa, 1980-1998.

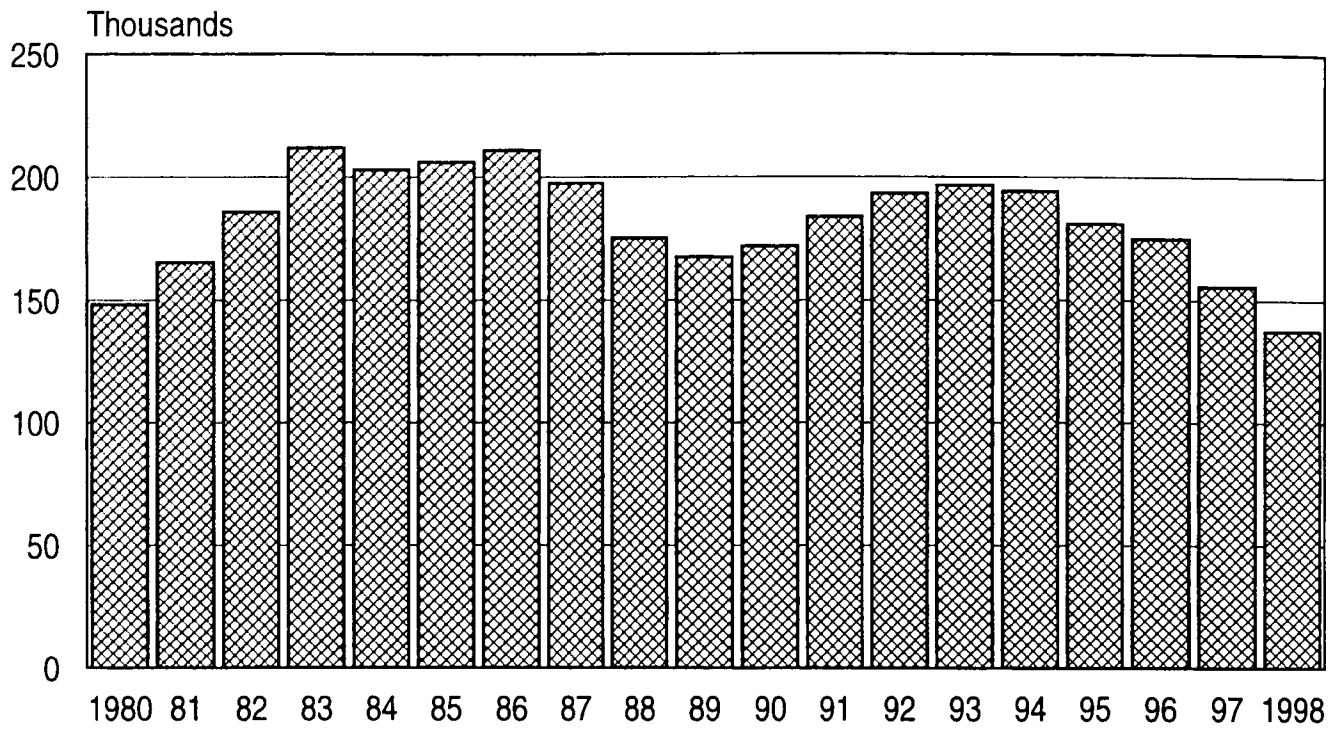


Figure 2. Percent receiving food stamps, 1998.

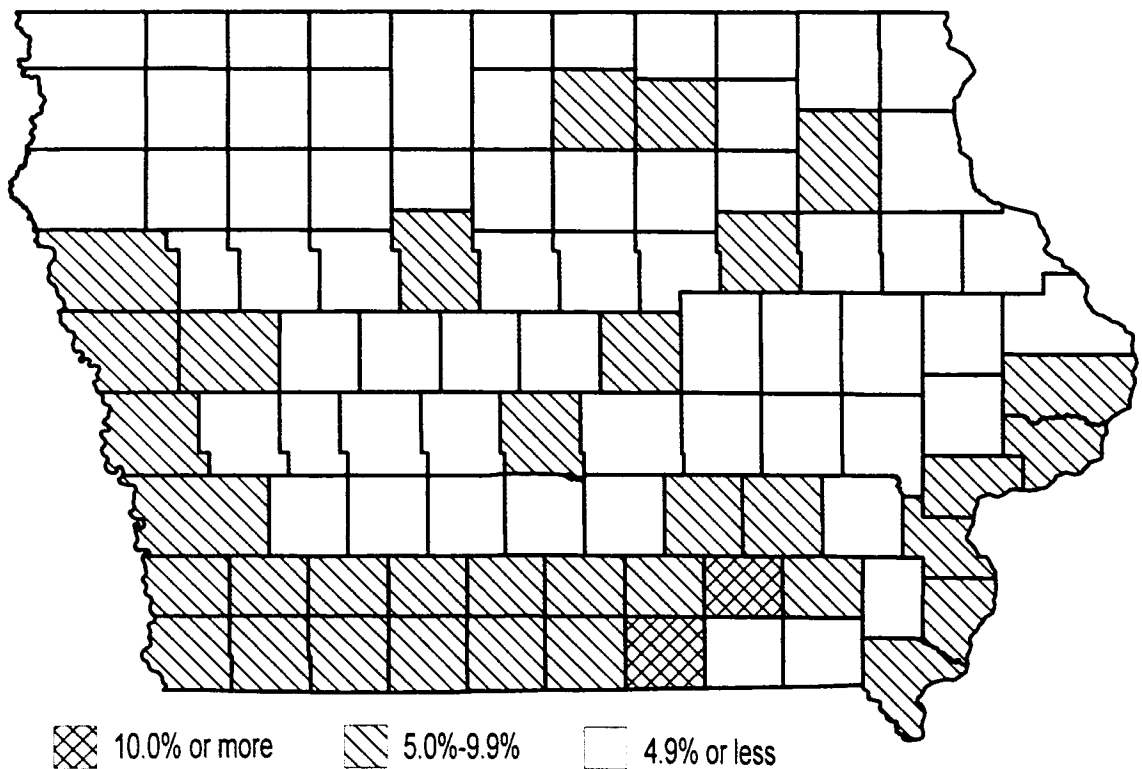


Figure 3. Total annual food stamp benefits in Iowa, 1980-1998.

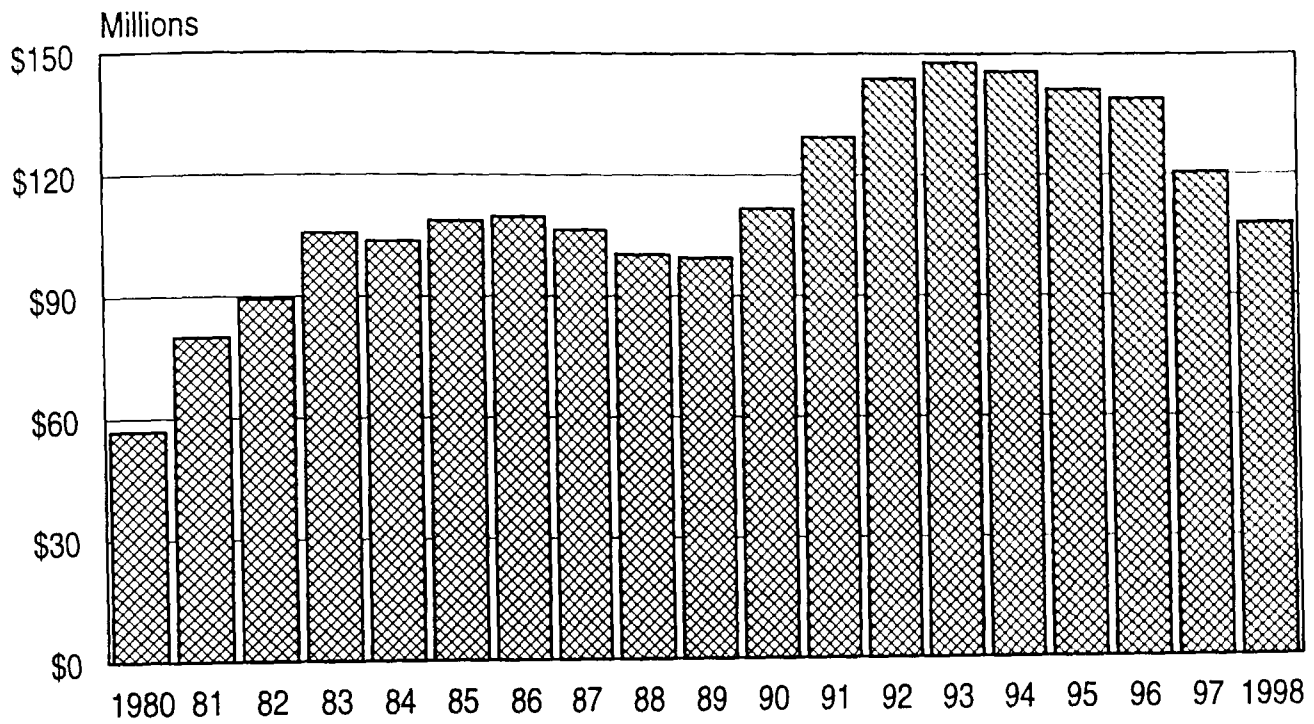


Figure 4. Average monthly food stamp benefits (in \$) per recipient in Iowa, 1980-1998.

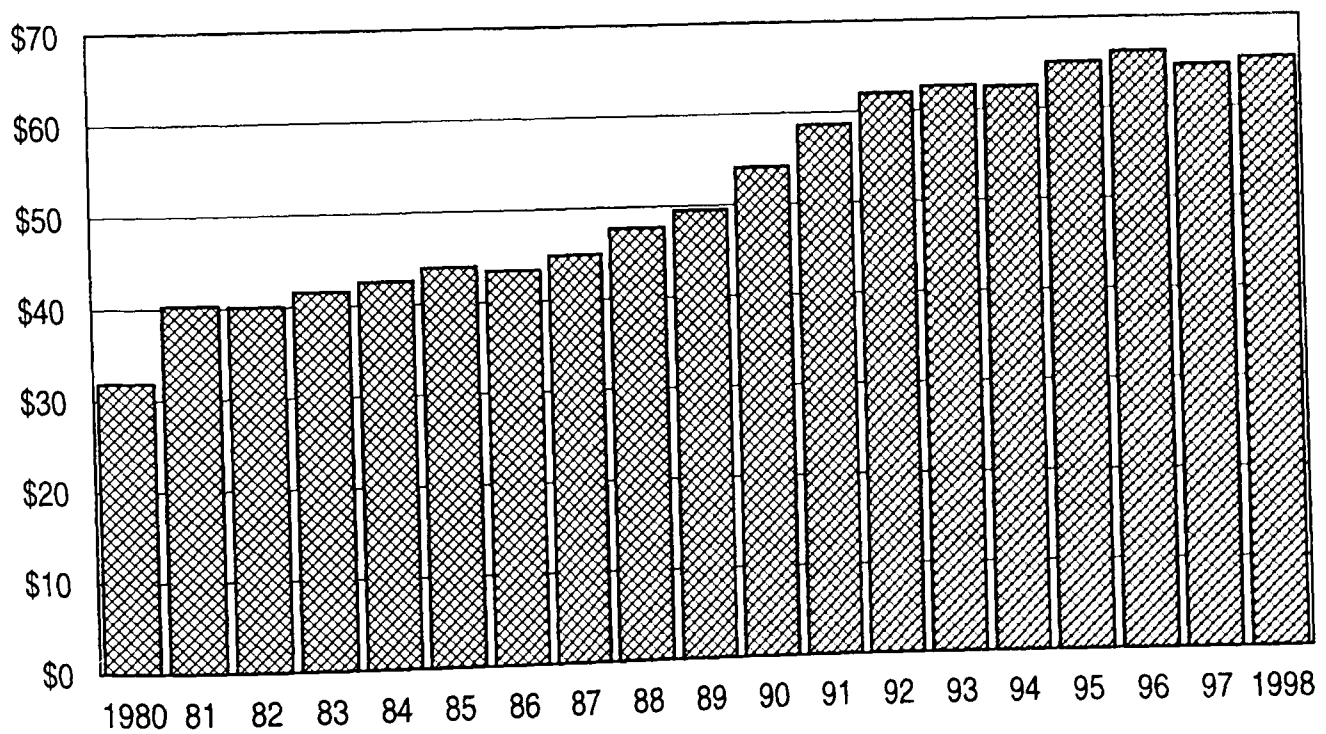
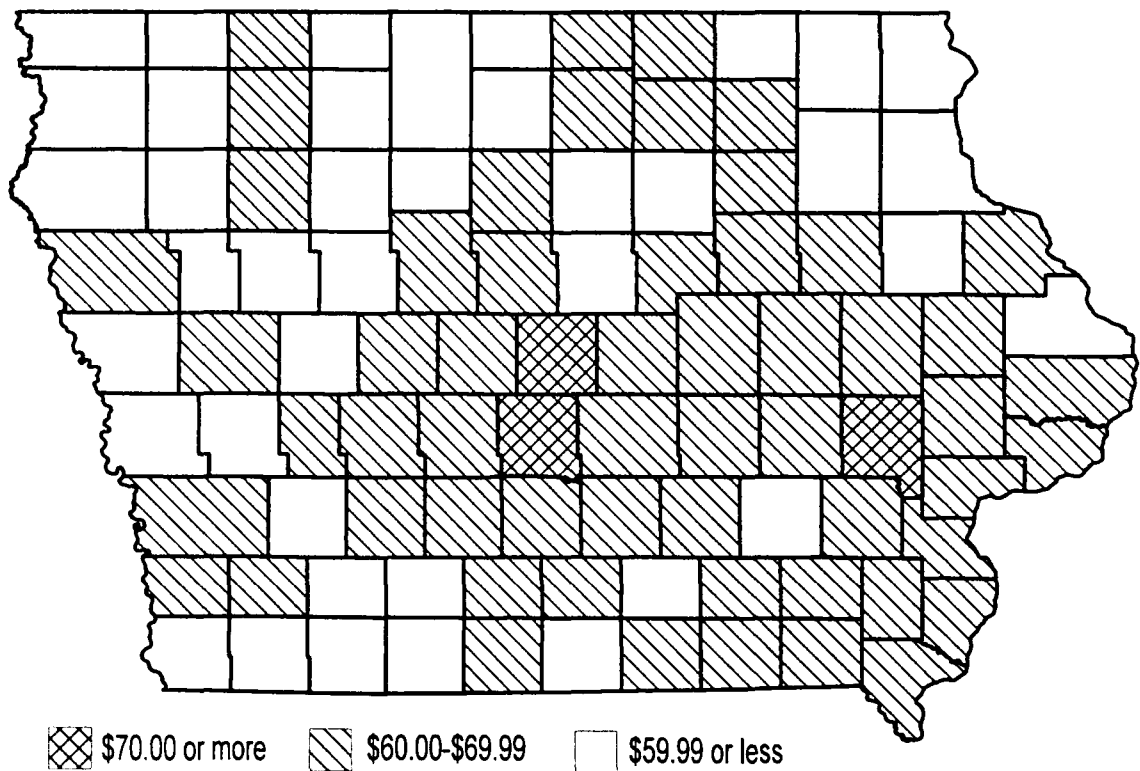


Figure 5. Average monthly food stamp benefit per recipient, 1998.



Medical Assistance Provided Under Title XIX of the Social Security Act in Iowa's Counties: 1988, 1993, and 1997-1998

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Medical assistance is provided to Iowans under Title XIX of the Social Security Act. Assistance is provided in a variety of areas, including in- and outpatient hospital services, skilled and intermediate care nursing facilities, and physician, clinic, laboratory, ambulance, and home health services, among others. For the most part, this program is known as Medicaid, although it also serves some others with medical needs. The Iowa Department of Human Services administers the program and maintains information on the number of persons eligible for benefits and the amount received each month. Eligibility is determined primarily on the basis of income, although other factors enter as well. For this report, averages of those eligible for benefits and actual benefits paid were calculated for selected years from 1988 through 1998; numbers from monthly reports were summed and divided by 12.

Persons Eligible for Title XIX Assistance

In 1998, Iowa averaged 209,000 persons eligible for Title XIX medical benefits each month (Table 1). There was a general upward trend from 1988 to 1993 followed by declines to 1997 and 1998. Polk averaged 26,200 persons eligible for medical assistance each month in 1998, the highest of any county. Black Hawk, Linn, and Scott were the only other counties with more than 10,000. Adams, Audubon, Grundy, Ida, Mitchell, Osceola, and Worth were the only counties with fewer than 500 persons eligible for Title XIX assistance.

The state averaged 35,100 more persons eligible for the Title XIX program in 1998 than in 1988. Ninety counties followed that pattern with more persons eligible for the program at the end of the period than at the beginning. Eight (Black Hawk, Des Moines, Johnson, Linn, Marshall, Polk, Pottawattamie, Scott) reported at least 1,000 more persons eligible in 1998 than in 1988. Forty-four counties had fewer than 200 more eligible in 1998 than 10 years earlier. Of the nine counties with fewer individuals eligible in 1998 than in 1988, declines exceeded 100 only in Buchanan and Davis.

Iowa had 20.2 percent more persons eligible for Title XIX assistance in 1998 than in 1988 (Table 2). Fifty-five counties had percentage increases larger than that for the state. Johnson and Lyon had gains greater than 60 percent; Buchanan and Davis had decreases of more than 10 percent.

Percentage of the Population Eligible for Title XIX Assistance

In 1998, an average of 7.3 percent of Iowa's population was eligible for the program (Table 1). This percentage was slightly lower than those for 1993 and 1997 but higher than that for 1988. For the counties in 1998, the percentage of the population that was eligible for medical assistance ranged from less than 5 percent in 14 counties to 10 percent or more in 11 others.

Total Annual Title XIX Payments

More than \$1.3 billion was paid in Title XIX medical benefits in Iowa in 1998 (Table 1). This was \$98 million more than in 1997 and the highest amount of the period reported. Total 1998 payments were

Table 1. Statistics on Title XIX Benefits in Iowa's Counties, 1988, 1993, 1997, and 1998.

County	Average Monthly Number Eligible for Title XIX Benefits				Avg. Mo. No. Eligible for Title XIX Benefits as a % of Total Pop.				Total Annual Title XIX Payments (in \$1,000s)				Total Adjusted Annual Title XIX Payments (in 1998 \$1,000s)		
	1998	1997	1993	1988	1998	1997	1993	1988	1998	1997	1993	1988	1997	1993	1988
Adair	550	579	561	368	6.8	7.0	6.7	4.3	3588	3478	2715	1128	3525	3052	1540
Adams	449	442	452	336	10.3	10.0	9.8	6.6	2923	2289	1526	807	2320	1715	1102
Allamakee	939	972	975	671	6.7	6.9	7.0	4.7	6851	6207	4466	2046	6290	5020	2793
Appanoose	1829	1960	2010	1752	13.5	14.5	14.5	12.6	7545	7452	5532	3230	7552	6218	4409
Audubon	411	434	446	331	6.1	6.4	6.4	4.4	3583	3255	2882	1163	3299	3240	1588
Benton	1262	1350	1477	1119	5.0	5.4	6.3	5.0	7848	7886	4972	2318	7992	5589	3164
Black Hawk	13590	14006	13593	12405	11.2	11.5	10.9	10.1	71547	63973	44147	23831	64832	49625	32532
Boone	1876	1937	2217	1837	7.2	7.4	8.8	7.3	35784	32274	40276	33322	32707	45274	45488
Bremer	1063	1090	1225	862	4.5	4.7	5.3	3.8	7987	6787	4742	1958	6878	5330	2673
Buchanan	1381	1497	1656	1593	6.5	7.1	7.8	7.7	7022	7426	6771	4114	7526	7611	5616
Buena Vista	1378	1361	1205	909	7.1	7.0	6.0	4.5	10397	10244	4845	2708	10382	5446	3697
Butler	862	854	1084	918	5.5	5.4	6.9	5.7	5777	4499	5834	2547	4559	6558	3477
Calhoun	766	760	800	639	6.7	6.7	6.9	5.5	7184	5375	4392	2276	5447	4937	3107
Carroll	1282	1293	1330	902	5.9	6.0	6.2	4.2	12013	11469	7327	3102	11623	8236	4235
Cass	1116	1201	1331	838	7.6	8.1	8.9	5.5	8710	7673	6092	2215	7776	6848	3024
Cedar	822	928	1014	798	4.6	5.2	5.8	4.6	4191	4977	3813	2071	5044	4286	2827
Cerro Gordo	3785	3854	3989	3047	8.2	8.3	8.6	6.5	24513	22395	16828	7568	22696	18916	10331
Cherokee	747	893	835	665	5.7	6.7	6.0	4.7	5824	6591	5079	3011	6679	5709	4110
Chickasaw	739	808	857	607	5.5	6.0	6.4	4.5	4994	4658	3126	1533	4721	3514	2093
Clarke	827	875	848	628	9.9	10.6	10.2	7.5	4546	4221	3116	1499	4278	3503	2046
Clay	1068	1119	1244	1002	6.1	6.4	7.0	5.8	6213	6768	4986	2805	6859	5605	3829
Clayton	1046	1084	1140	939	5.6	5.8	6.1	4.8	9412	7871	5285	2922	7977	5941	3989
Clinton	4750	4876	4987	3772	9.5	9.7	9.7	7.3	27782	24830	17521	7976	25163	19695	10888
Crawford	1227	1326	1558	990	7.5	8.1	9.4	5.7	7898	8877	7059	2516	8996	7935	3435
Dallas	1630	1630	1667	1372	4.4	4.6	5.2	4.7	10342	10202	6886	3972	10339	7740	5422
Davis	564	584	691	695	6.7	6.9	8.2	8.3	4378	4108	2553	1439	4163	2870	1964
Decatur	1035	1112	1081	778	12.6	13.6	13.4	9.2	5282	5907	4234	2198	5986	4759	3000
Delaware	1043	1046	1048	1069	5.6	5.7	5.7	5.9	6271	5584	3918	2081	5659	4404	2841
Des Moines	4387	4351	4278	3208	10.5	10.3	10.0	7.5	19639	17927	12332	7024	18168	13862	9588
Dickinson	849	854	759	635	5.2	5.3	4.9	4.3	5831	5358	3383	1431	5430	3803	1953
Dubuque	5576	5704	5769	4926	6.4	6.5	6.6	5.6	35214	30392	23709	12068	30800	26651	16474
Emmet	902	898	905	780	8.3	8.2	7.9	6.7	7637	6908	4783	2210	7001	5376	3017
Fayette	1865	1981	2068	1405	8.6	9.0	9.4	6.4	10109	10054	7205	3101	10189	8099	4233
Floyd	1501	1525	1578	1188	9.2	9.3	9.4	6.8	11325	9909	7564	3180	10042	8503	4341
Franklin	821	942	779	556	7.6	8.7	6.9	4.8	6425	7638	3546	1835	7741	3986	2505
Fremont	770	809	815	599	9.9	10.3	10.0	7.1	4696	4698	3307	1678	4761	3717	2291
Greene	767	753	739	559	7.6	7.5	7.3	5.4	4366	3641	2759	1270	3690	3101	1734
Grundy	410	425	437	396	3.4	3.5	3.6	3.2	3079	2631	1667	1185	2666	1874	1618
Guthrie	800	868	970	763	6.9	7.6	8.7	6.9	5566	5147	4111	2067	5216	4621	2822
Hamilton	932	1011	1155	855	5.8	6.3	7.2	5.2	4391	5940	5051	2071	6020	5678	2827
Hancock	674	707	744	458	5.6	5.9	6.1	3.6	4806	3850	3198	1449	3902	3595	1978
Hardin	1272	1414	1496	1025	6.9	7.6	8.0	5.3	8817	8901	6429	3043	9020	7227	4154
Harrison	1377	1488	1508	1055	9.0	9.7	10.2	7.0	9178	9120	6564	3030	9242	7378	4136
Henry	1380	1425	1429	909	6.9	7.1	7.3	4.8	7240	7207	5546	3222	7304	6234	4398
Howard	651	699	752	487	6.7	7.2	7.6	4.8	4391	3973	3036	1354	4026	3413	1848
Humboldt	647	651	813	570	6.3	6.3	7.8	5.2	4713	3993	3761	1615	4047	4228	2205
Ida	462	438	444	331	5.8	5.5	5.3	4.0	2730	2896	2422	1161	2935	2723	1585
Iowa	677	698	676	457	4.4	4.5	4.5	3.1	4575	4857	3481	1564	4922	3913	2135
Jackson	1462	1545	1717	1524	7.3	7.7	8.5	7.4	9091	9003	6063	3266	9124	6815	4458
Jasper	2012	2048	2307	1809	5.6	5.7	6.6	5.2	16239	14275	10952	5222	14467	12311	7129

Table 1. Statistics on Title XIX Benefits in Iowa's Counties, 1988, 1993, 1997, and 1998 (continued).

County	Average Monthly Number Eligible for Title XIX Benefits				Avg. Mo. No. Eligible for Title XIX Benefits as a % of Total Pop.				Total Annual Title XIX Payments (in \$1,000s)				Total Adjusted Annual Title XIX Payments (in 1998 \$1,000s)		
	1998	1997	1993	1988	1998	1997	1993	1988	1998	1997	1993	1988	1997	1993	1988
Jefferson	1264	1301	1322	928	7.4	7.6	7.9	5.7	7060	6991	4792	2208	7085	5387	3014
Johnson	3975	4039	3497	2281	3.9	3.9	3.5	2.5	23971	22411	12841	5352	22712	14434	7306
Jones	1048	1111	1170	989	5.2	5.5	5.9	5.2	5929	5612	3863	1955	5687	4342	2669
Keokuk	1055	1103	1096	858	9.2	9.6	9.4	7.3	6425	5553	3922	2115	5628	4409	2887
Kossuth	997	1010	1148	679	5.6	5.6	6.3	3.6	6373	6189	4823	1992	6272	5421	2719
Lee	3768	3888	4164	3175	9.8	10.1	10.7	8.1	18578	18235	13353	7232	18480	15010	9872
Linn	11706	11712	11961	9678	6.4	6.4	6.8	5.8	72128	64852	43868	20989	65723	49311	28652
Louisa	980	1052	1038	766	8.2	8.8	8.8	6.6	4507	4409	3350	1908	4468	3766	2605
Lucas	998	1014	970	799	10.9	11.2	10.7	8.6	5043	4468	3328	2113	4528	3741	2884
Lyon	629	659	571	372	5.2	5.5	4.8	3.1	5154	5743	2682	1410	5820	3015	1925
Madison	725	760	795	669	5.2	5.5	6.2	5.4	5258	4912	3874	2235	4978	4355	3051
Mahaska	1891	1962	2058	1580	8.6	9.0	9.5	7.3	10093	8441	7461	4032	8554	8387	5504
Marion	1608	1683	1873	1442	5.1	5.4	6.2	4.8	9836	9739	6854	3548	9870	7704	4843
Marshall	3387	3462	3341	2379	8.7	8.9	8.8	6.2	24860	22550	11545	4866	22853	12978	6643
Mills	1436	1490	1554	1469	9.9	10.4	11.6	11.0	46204	43897	44002	35569	44486	49462	48555
Mitchell	492	521	575	437	4.5	4.7	5.2	3.9	3741	3874	3149	1344	3926	3540	1835
Monona	931	972	1039	806	9.2	9.7	10.3	7.8	6847	6756	5182	2170	6847	5825	2962
Monroe	805	870	917	859	10.0	10.8	11.2	10.5	5203	4667	3327	2104	4730	3740	2872
Montgomery	1117	1129	1068	720	9.4	9.5	8.9	6.0	7447	6345	5295	2019	6430	5952	2756
Muscatine	3561	3723	3743	2981	8.7	9.0	9.1	7.5	16239	14983	10031	4894	15184	11276	6681
O'Brien	926	921	868	680	6.2	6.2	5.6	4.4	8886	7606	4265	2016	7708	4794	2752
Osceola	240	275	331	237	3.4	3.9	4.6	3.2	1097	1066	1848	889	1080	2077	1214
Page	1752	1714	1637	1331	10.1	10.0	9.8	8.0	12186	10028	6673	3296	10163	7501	4499
Palo Alto	700	708	788	637	7.0	7.0	7.6	5.9	5644	4706	4199	1924	4769	4720	2626
Plymouth	1023	944	1045	845	4.1	3.8	4.4	3.6	4648	2814	4854	2374	2852	5456	3241
Pocahontas	556	585	619	385	6.3	6.6	6.8	3.9	4347	3859	3175	1303	3911	3569	1779
Polk	26171	27160	27999	20853	7.3	7.7	8.2	6.6	156366	145804	111741	54254	147761	125606	74062
Pottawattamie	7666	8016	8738	6212	8.9	9.4	10.5	7.5	39213	36395	30429	14303	36884	34205	19525
Poweshiek	1060	1120	1106	782	5.6	5.9	5.9	4.1	6808	6087	4374	2060	6169	4917	2812
Ringgold	559	579	525	492	10.4	10.8	9.8	9.1	4125	3858	2559	1492	3910	2877	2037
Sac	715	779	841	561	6.0	6.6	7.0	4.5	3730	3361	3967	1694	3406	4459	2312
Scott	15001	16005	16789	13209	9.5	10.2	10.8	8.8	62598	59878	53387	25319	60682	60011	34563
Shelby	757	798	818	561	5.8	6.1	6.2	4.2	5880	5140	4016	1641	5209	4514	2240
Sioux	1302	1257	1086	827	4.2	4.0	3.5	2.8	8947	8005	6080	2563	8112	6834	3499
Story	2729	2913	2831	1750	3.6	3.9	3.8	2.4	19744	17453	10491	4377	17687	11793	5975
Tama	984	1071	1311	985	5.5	6.1	7.4	5.6	6521	6503	6072	2935	6590	6825	4007
Taylor	653	670	682	519	9.1	9.4	9.6	7.2	3477	3198	2574	1249	3241	2893	1705
Union	1153	1263	1368	1150	9.2	10.1	10.9	9.0	6620	6670	4639	2639	6760	5215	3602
Van Buren	628	608	643	496	8.0	7.8	8.3	6.3	3242	3216	2166	1242	3259	2435	1695
Wapello	4783	4952	4635	4077	13.5	14.0	12.9	11.5	21931	20200	13019	8091	20471	14634	11045
Warren	1717	1836	2007	1529	4.3	4.6	5.3	4.3	12293	12202	8997	4801	12366	10113	6554
Washington	1245	1297	1234	1000	5.9	6.2	6.1	5.1	9325	8858	5892	2638	8977	6623	3601
Wayne	678	714	792	598	10.2	10.5	11.3	8.4	3632	3195	2827	1581	3238	3178	2158
Webster	3696	3925	4402	3358	9.5	10.2	11.0	8.3	21352	20649	17009	7734	20926	19120	10558
Winnebago	623	699	664	433	5.2	5.8	5.6	3.6	4422	4158	4112	1657	4214	4622	2262
Winneshiek	982	1015	1041	765	4.7	4.9	5.0	3.6	6832	6352	4728	2047	6437	5315	2794
Woodbury	8699	8926	10061	8287	8.6	8.7	10.0	8.5	50756	49945	38567	24268	50615	43353	33128
Worth	344	360	508	376	4.4	4.6	6.4	4.6	2372	2280	2615	986	2311	2939	1346
Wright	1003	1050	1053	744	7.2	7.4	7.4	5.2	7830	7228	3949	2232	7325	4439	3047
State of Iowa	208942	216725	223776	173879	7.3	7.6	7.9	6.3	1322092	1223991	928814	488797	1240422	1044065	667256

Table 2. Percentage Changes in Population, Persons Eligible, and Adjusted Total Annual Title XIX Payments in Iowa's Counties, 1997-1998, 1993-1998, and 1988-1998.

County	Estimated Population			Persons Eligible to Receive Title XIX Payments			Adjusted Total Annual Title XIX Payments		
	1 Yr	5 Yrs	10 Yrs	1 Yr	5 Yrs	10 Yrs	1 Yr	5 Yrs	10 Yrs
Adair	-1.1	-4.1	-5.2	-5.0	-2.0	49.5	1.8	17.6	133.0
Adams	-1.3	-5.2	-14.6	1.6	-0.7	33.6	26.0	70.4	165.2
Allamakee	-0.1	-0.2	-1.2	-3.4	-3.7	39.9	8.9	36.5	145.3
Appanoose	0.5	-1.7	-2.6	-6.7	-9.0	4.4	-0.1	21.3	71.1
Audubon	-0.5	-3.1	-9.7	-5.3	-7.8	24.2	8.6	10.6	125.6
Benton	1.7	8.4	14.0	-6.5	-14.6	12.8	-1.8	40.4	148.0
Black Hawk	-0.4	-2.6	-1.1	-3.0	0.0	9.6	10.4	44.2	119.9
Boone	0.2	4.1	4.2	-3.1	-15.4	2.1	9.4	-21.0	21.3
Bremer	0.5	1.1	4.0	-2.5	-13.2	23.3	16.1	49.8	198.8
Buchanan	0.0	0.3	2.1	-7.7	-16.6	-13.3	-6.7	-7.7	25.0
Buena Vista	-0.4	-3.8	-3.5	1.2	14.4	51.6	0.1	90.9	181.2
Butler	-0.3	0.1	-1.7	0.9	-20.5	-6.1	26.7	-11.9	66.1
Calhoun	-0.2	-1.2	-2.2	0.8	-4.3	19.9	31.9	45.5	131.2
Carroll	0.2	0.5	-0.1	-0.9	-3.6	42.1	3.4	45.9	183.7
Cass	-1.1	-2.9	-4.8	-7.1	-16.2	33.2	12.0	27.2	188.0
Cedar	-0.1	2.7	3.7	-11.4	-18.9	3.0	-16.9	-2.2	48.2
Cerro Gordo	-0.5	-0.8	-2.3	-1.8	-5.1	24.2	8.0	29.6	137.3
Cherokee	-1.1	-5.1	-7.6	-16.3	-10.5	12.3	-12.8	2.0	41.7
Chickasaw	0.1	1.0	-0.7	-8.5	-13.8	21.7	5.8	42.1	138.6
Clarke	1.6	0.3	-0.6	-5.5	-2.5	31.7	6.3	29.8	122.2
Clay	-0.4	-0.8	1.9	-4.6	-14.1	6.6	-9.4	10.8	62.3
Clayton	-0.3	-0.6	-3.3	-3.5	-8.2	11.4	18.0	58.4	135.9
Clinton	-0.4	-2.6	-2.9	-2.6	-4.8	25.9	10.4	41.1	155.2
Crawford	-0.1	-0.4	-5.9	-7.5	-21.2	23.9	-12.2	-0.5	129.9
Dallas	3.1	15.9	26.5	0.0	-2.2	18.8	0.0	33.6	90.7
Davis	-0.5	0.3	0.3	-3.4	-18.4	-18.8	5.2	52.5	122.9
Decatur	0.4	2.2	-2.9	-6.9	-4.3	33.0	-11.8	11.0	76.1
Delaware	0.6	1.5	3.3	-0.3	-0.5	-2.4	10.8	42.4	120.7
Des Moines	-0.4	-2.1	-2.0	0.8	2.5	36.8	8.1	41.7	104.8
Dickinson	1.1	5.6	10.2	-0.6	11.9	33.7	7.4	53.3	198.6
Dubuque	-0.4	-0.1	0.5	-2.2	-3.3	13.2	14.3	32.1	113.8
Emmet	-0.8	-4.6	-6.8	0.4	-0.3	15.6	9.1	42.1	153.1
Fayette	-0.7	-0.8	-0.5	-5.9	-9.8	32.7	-0.8	24.8	138.8
Floyd	-0.9	-2.7	-6.0	-1.6	-4.9	26.3	12.8	33.2	160.9
Franklin	-0.4	-3.4	-5.8	-12.8	5.4	47.7	-17.0	61.2	156.5
Fremont	-0.7	-4.8	-8.2	-4.8	-5.5	28.5	-1.4	26.3	105.0
Greene	-0.1	-0.7	-2.4	1.9	3.8	37.2	18.3	40.8	151.8
Grundy	-0.9	1.1	-0.8	-3.5	-6.2	3.5	15.5	64.3	90.3
Guthrie	0.9	3.4	4.6	-7.8	-17.5	4.8	6.7	20.5	97.2
Hamilton	-0.1	-0.2	-2.7	-7.8	-19.3	9.0	-27.1	-22.7	55.3
Hancock	0.2	-0.9	-6.4	-4.7	-9.4	47.2	23.2	33.7	143.0
Hardin	-0.6	-0.8	-4.8	-10.0	-15.0	24.1	-2.3	22.0	112.3
Harrison	0.4	3.8	1.9	-7.5	-8.7	30.5	-0.7	24.4	121.9
Henry	0.6	2.2	4.5	-3.2	-3.4	51.8	-0.9	16.1	64.6
Howard	-0.2	-2.0	-3.6	-6.9	-13.4	33.7	9.1	28.7	137.6
Humboldt	-0.3	-1.4	-5.0	-0.6	-20.4	13.5	16.5	11.5	113.7
Ida	-1.2	-4.8	-5.2	5.5	4.1	39.6	-7.0	0.3	72.2
Iowa	0.4	4.5	5.8	-3.0	0.1	48.1	-7.0	16.9	114.3
Jackson	0.1	-0.3	-2.5	-5.4	-14.9	-4.1	-0.4	33.4	103.9
Jasper	0.5	2.7	3.5	-1.8	-12.8	11.2	12.2	31.9	127.8

Table 2. Percentage Changes in Population, Persons Eligible, and Adjusted Total Annual Title XIX Payments in Iowa's Counties, 1997-1998, 1993-1998, and 1988-1998 (continued).

County	Estimated Population			Persons Eligible to Receive Title XIX Payments			Adjusted Total Annual Title XIX Payments		
	1 Yr	5 Yrs	10 Yrs	1 Yr	5 Yrs	10 Yrs	1 Yr	5 Yrs	10 Yrs
Jefferson	0.2	2.2	4.7	-2.8	-4.4	36.2	-0.4	31.1	134.2
Johnson	0.8	3.9	11.0	-1.6	13.7	74.3	5.5	66.1	228.1
Jones	0.4	2.6	6.3	-5.7	-10.4	6.0	4.3	36.5	122.1
Keokuk	-0.2	-1.0	-2.8	-4.4	-3.7	23.0	14.2	45.7	122.5
Kossuth	-1.0	-2.2	-6.8	-1.3	-13.2	46.8	1.6	17.6	134.4
Lee	-0.5	-1.0	-1.8	-3.1	-9.5	18.7	0.5	23.8	88.2
Linn	0.8	4.3	10.0	-0.1	-2.1	21.0	9.7	46.3	151.7
Louisa	0.4	1.6	2.6	-6.8	-5.6	27.9	0.9	19.7	73.0
Lucas	0.4	1.1	-1.6	-1.6	2.9	24.9	11.4	34.8	74.9
Lyon	0.2	0.4	0.6	-4.6	10.2	69.1	-11.4	70.9	167.7
Madison	1.0	7.8	12.6	-4.6	-8.8	8.4	5.6	20.7	72.3
Mahaska	0.6	1.1	1.6	-3.6	-8.1	19.7	18.0	20.3	83.4
Marion	0.4	3.1	4.9	-4.5	-14.1	11.5	-0.3	27.7	103.1
Marshall	-0.2	2.2	0.8	-2.2	1.4	42.4	8.8	91.6	274.2
Mills	0.9	8.3	8.7	-3.6	-7.6	-2.2	3.9	-6.6	4.8
Mitchell	-0.6	0.0	-0.9	-5.6	-14.4	12.6	-4.7	5.7	103.9
Monona	-0.2	0.3	-1.9	-4.2	-10.4	15.5	0.0	17.5	131.2
Monroe	-0.5	-1.4	-1.4	-7.5	-12.2	-6.3	10.0	39.1	81.2
Montgomery	0.3	-1.0	-1.2	-1.1	4.6	55.1	15.8	25.1	170.2
Muscatine	0.5	0.2	3.5	-4.4	-4.9	19.5	6.9	44.0	143.1
O'Brien	-0.5	-3.2	-4.2	0.5	6.7	36.2	15.3	85.4	222.9
Osceola	-1.2	-2.9	-5.0	-12.7	-27.5	1.3	1.6	-47.2	9.6
Page	0.7	3.9	3.2	2.2	7.0	31.6	19.9	62.5	170.9
Palo Alto	-0.6	-4.0	-7.7	-1.1	-11.2	9.9	18.3	19.6	114.9
Plymouth	-0.3	3.7	4.8	8.4	-2.1	21.1	63.0	-14.8	43.4
Pocahontas	-0.6	-4.1	-11.0	-5.0	-10.2	44.4	11.1	21.8	144.4
Polk	1.0	4.9	13.5	-3.6	-6.5	25.5	5.8	24.5	111.1
Pottawattamie	1.0	3.2	3.4	-4.4	-12.3	23.4	6.3	14.6	100.8
Poweshiek	-0.4	0.0	-0.3	-5.4	-4.2	35.5	10.4	38.5	142.1
Ringgold	0.0	-0.3	-1.3	-3.5	6.5	13.6	5.5	43.4	102.5
Sac	0.0	-1.0	-3.6	-8.2	-15.0	27.5	9.5	-16.3	61.3
Scott	0.5	1.9	5.6	-6.3	-10.6	13.6	3.2	4.3	81.1
Shelby	-0.8	-1.5	-3.3	-5.1	-7.5	34.9	12.9	30.3	162.5
Sioux	0.8	1.3	4.3	3.6	19.9	57.4	10.3	30.9	155.7
Story	0.8	0.8	1.9	-6.3	-3.6	55.9	11.6	67.4	230.4
Tama	0.4	0.8	0.4	-8.1	-24.9	-0.1	-1.0	-4.5	62.7
Taylor	0.4	1.1	-1.2	-2.5	-4.3	25.8	7.3	20.2	103.9
Union	0.3	0.0	-1.5	-8.7	-15.7	0.3	-2.1	26.9	83.8
Van Buren	0.7	1.5	0.5	3.3	-2.3	26.6	-0.5	33.1	91.3
Wapello	-0.2	-1.7	-0.4	-3.4	3.2	17.3	7.1	49.9	98.6
Warren	1.1	6.1	14.3	-6.5	-14.4	12.3	-0.6	21.6	87.6
Washington	0.3	3.5	6.8	-4.0	0.9	24.5	3.9	40.8	159.0
Wayne	-1.6	-4.6	-6.0	-5.0	-14.4	13.4	12.2	14.3	68.3
Webster	0.2	-2.9	-4.9	-5.8	-16.0	10.1	2.0	11.7	102.2
Winnebago	-0.7	0.8	-1.0	-10.9	-6.2	43.9	4.9	-4.3	95.5
Winneshiek	0.5	-0.3	-0.5	-3.3	-5.7	28.4	6.1	28.5	144.5
Woodbury	-0.3	0.9	4.2	-2.5	-13.5	5.0	0.3	17.1	53.2
Worth	-0.1	-2.3	-4.7	-4.4	-32.3	-8.5	2.6	-19.3	76.2
Wright	-0.9	-1.1	-2.2	-4.5	-4.7	34.8	6.9	76.4	157.0
State of Iowa	0.3	1.5	3.4	-3.6	-6.6	20.2	6.6	26.6	98.1

less than \$5 million in 28 counties. In contrast, Polk's figure was more than \$156 million. Payments in 27 others exceeded \$10 million that year.

Although total payments declined in 16 counties between 1997 and 1998, large increases took place when the 1988-1998 period was examined. Statewide, payments rose \$833 million between 1988 and 1998, an increase of 170 percent. All but six counties (Boone, Buchanan, Cherokee, Mills, Osceola, Plymouth) experienced percentage gains greater than 100. Dollar increases ranged from less than \$500,000 in Osceola to \$102 million in Polk.

When total payments are adjusted for inflation (Table 1), however, the gains, while still substantial, are not as great as when the actual figures were examined. The adjusted amount nearly doubled from \$667 million in 1988 to \$1.3 billion in 1998, a gain of 98.1 percent (Table 2). Four counties reported adjusted increases of at least 200 percent, with Marshall highest (+274.2%). Nearly a third (31) of the counties had increases of less than 100 percent, and three (Boone, Mills, Osceola) noted a decline in total payments after adjusting for inflation.

Change in Selected Title XIX Figures

The number eligible for Title XIX benefits increased by 20.2 percent between 1988 and 1998, compared with an increase of 98.1 percent in adjusted total benefits (Table 2). Percentages for five- and one-year change periods generally are smaller and in opposite directions (adjusted payments have increased while the number eligible has decreased). Changes differed across the counties, of course. For example, Johnson, Lyon, Montgomery, and Story experienced relatively great percentage gains in both those eligible and total payments from 1988 to 1998. While Marshall's payments gained more rapidly than any other county, the number eligible did not increase as much as in some others. In Henry, those eligible increased at a rate substantially above that for the state although adjusted payments did not. Other combinations are evident when the data are examined in detail.

Note: Eligibility requirements for the medical assistance program may vary by year because of revisions in federal codes. Thus, caution is urged in examining year-to-year changes. Also, because of changes in the manner in which recipients are counted, information of that nature published in previous years is not updated this time. We will assess that again before publishing next year's data book.

Old-age, Survivors, and Disability Insurance (Social Security) Recipients and Benefits in Iowa's Counties for December: 1990-1997

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The Old-age, Survivors, and Disability Insurance program (OASDI), more commonly known as Social Security, provides monthly benefits for retired and disabled insured workers and their dependents, and to survivors of insured workers. To be eligible for OASDI benefits, a worker must have had a specified period of employment in which full OASDI taxes were paid. A worker becomes eligible for full retirement benefits at age 65. Survivor benefits are payable to dependents of deceased insured workers. Disability benefits are payable to insured workers under age 65 with a prolonged absence from work due to a disability.

Beneficiaries and benefits paid reported in this section reflect the numbers as of December for each of the years reported. With the exception of widows and widowers, benefits to spouses and children are not included in this section. The numbers reported here were available from the U.S. Social Security Administration.

Total Recipients, Benefits, and Average Benefits

In December of 1997, nearly 537,900 Iowans received OASDI benefits (Table 1). That was nearly 1,400 fewer than in 1996 but 13,650 (+2.6%) more than were reported in 1990. Black Hawk, Linn, Polk, and Scott each had more than 20,000 OASDI recipients in 1997. Six others (Cerro Gordo, Clinton, Dubuque, Johnson, Pottawattamie, Woodbury) had at least 10,000. Fifteen counties had fewer than 2,000 beneficiaries with Adams and Ringgold the only two below 1,500 that month.

Forty counties had fewer OASDI beneficiaries in 1997 than in 1990; Woodbury was the only county to decline by at least 300. Johnson, Linn, Polk, Pottawattamie, Scott, and Warren all had at least 1,000 more recipients of OASDI benefits in December of 1997 than seven years earlier. In percentage terms, Cedar, Johnson, Linn, and Warren all experienced gains of 10 percent or more in their OASDI beneficiaries from 1990 to 1997. Although no county reported declines of that magnitude, Keokuk, Pocahontas, Taylor, and Wayne had decreases of at least 8 percent.

OASDI benefits paid out in Iowa totaled \$377 million in December of 1997. More than a third (34.3%) of those benefits were to residents of Black Hawk, Dubuque, Linn, Polk, Pottawattamie, Scott, and Woodbury, with each reporting more than \$10 million. At least \$5 million came to those living in 11 counties. Adams and Ringgold were the only counties in which recipients obtained fewer than \$1 million in benefits.

The average OASDI benefit received per recipient (total benefits divided by total recipients) ranged from \$594 (Wayne) to \$760 (Johnson). Average benefits were at least \$700 in 31 counties; the state averaged \$701 that year.

Retired Worker Recipients, Benefits, and Average Benefits

There were 345,500 retired workers receiving retirement benefits in 1997 (Table 2). Black Hawk, Dubuque, Linn, Polk, Scott, and Woodbury each reported more than 10,000 recipients, while Adams, Osceola, and Ringgold each had fewer than 1,000 in the last month of that year. There were more than 12,800 (+3.9%) more retired workers receiving benefits in 1997 than in 1990. One-third (32) of the counties reported lower numbers in 1997, while seven (Dubuque, Johnson, Linn, Polk, Pottawattamie,

Table 1. Total OASDI Recipients, Benefits, and Average Benefits in Iowa's Counties for December, 1990-1997.

County	Total December Recipients								Total December Benefits (in \$1,000s)								Avg. Dec. Benefits Per Recipient (\$)							
	1997	1996	1995	1994	1993	1992	1991	1990	1997	1996	1995	1994	1993	1992	1991	1990	1997	1996	1995	1994	1993	1992	1991	1990
Adair	1911	1935	1900	1955	2010	1995	1985	1940	1243	1230	1151	1153	1134	1095	1043	983	651	636	606	590	564	549	525	507
Adams	1159	1176	1197	1155	1165	1160	1130	1185	716	702	688	649	623	602	565	567	617	597	575	562	535	519	500	478
Allamakee	3237	3212	3238	3290	3285	3330	3280	3240	2015	1943	1880	1845	1777	1744	1652	1556	623	605	581	561	541	524	504	480
Appanoose	3461	3541	3567	3535	3590	3645	3590	3600	2168	2145	2071	1990	1947	1905	1807	1737	627	606	581	563	542	523	503	483
Audubon	1881	1867	1901	1950	1935	1945	1995	1950	1183	1143	1125	1111	1060	1030	1016	962	629	612	592	570	548	530	509	493
Benton	4651	4628	4579	4495	4445	4375	4335	4265	3238	3130	2984	2821	2691	2559	2449	2312	696	676	652	628	605	585	565	542
Black Hawk	22901	23102	23259	23265	23370	23430	23225	22870	16699	16335	15852	15401	14933	14519	13948	13194	729	707	682	662	639	620	601	577
Boone	5315	5306	5370	5445	5300	5240	5110	4925	3750	3641	3548	3472	3247	3107	2949	2734	706	686	661	638	613	593	577	555
Bremer	4340	4334	4283	4340	4320	4335	4320	4455	3079	2982	2827	2763	2649	2556	2451	2425	709	688	660	637	613	590	567	544
Buchanan	3829	3882	3892	3970	4015	4030	3965	4030	2645	2599	2507	2459	2401	2330	2226	2164	691	670	644	619	598	578	561	537
Buena Vista	4205	4298	4328	4370	4420	4480	4475	4470	2942	2934	2861	2784	2728	2679	2585	2471	700	683	661	637	617	598	578	553
Butler	3759	3781	3779	3805	3840	3915	3885	3765	2464	2411	2338	2269	2209	2176	2078	1942	656	638	619	596	575	556	535	516
Calhoun	3062	3139	3161	3255	3245	3245	3280	3145	2090	2084	2032	2031	1961	1901	1849	1688	682	664	643	624	604	586	564	537
Carroll	4847	4839	4863	4815	4785	4820	4770	4870	3250	3154	3044	2905	2795	2715	2602	2552	671	652	626	603	584	563	545	524
Cass	3737	3785	3837	3805	3675	3650	3645	3845	2516	2476	2414	2323	2169	2097	2015	2027	674	654	629	611	590	575	553	527
Cedar	3551	3581	3557	3525	3445	3385	3320	3220	2454	2395	2305	2228	2092	1996	1889	1755	691	669	648	632	607	590	569	545
Cerro Gordo	10294	10372	10414	10570	10505	10335	10235	10055	7351	7210	6972	6860	6581	6283	6007	5674	714	695	669	649	626	608	587	564
Cherokee	3270	3274	3265	3255	3185	3175	3135	3110	2279	2230	2141	2071	1962	1897	1808	1721	697	681	656	636	616	597	577	553
Chickasaw	2955	2955	2956	3030	3010	2890	2855	2855	1942	1887	1812	1795	1709	1595	1521	1457	657	639	613	592	568	552	533	510
Clarke	1923	1924	1881	1875	1880	1875	1860	1825	1197	1165	1091	1056	1025	987	944	894	623	606	580	563	545	526	508	490
Clay	3734	3772	3754	3735	3705	3610	3525	3590	2613	2557	2451	2369	2259	2135	2011	1964	700	678	653	634	610	591	570	547
Clayton	4353	4384	4397	4270	4265	4300	4300	4370	2684	2622	2522	2376	2290	2247	2163	2093	616	598	574	556	537	523	503	479
Clinton	10206	10289	10392	10455	10430	10315	10140	10245	7259	7119	6965	6797	6560	6303	5982	5814	711	692	670	650	629	611	590	567
Crawford	3616	3658	3667	3645	3630	3620	3630	3630	2322	2286	2200	2121	2044	1965	1887	1812	642	625	600	582	563	543	520	499
Dallas	5475	5469	5546	5650	5565	5470	5540	5375	3950	3828	3739	3655	3473	3312	3184	2955	721	700	674	647	624	605	575	550
Davis	1697	1698	1727	1735	1750	1790	1765	1815	1042	1017	1008	989	954	938	898	892	615	599	584	570	545	524	509	491
Decatur	1925	1950	2011	2005	1980	1975	1955	2030	1171	1140	1129	1091	1031	1001	969	946	608	585	561	544	521	507	496	466
Delaware	3266	3208	3174	3105	3080	3095	3050	3000	2086	1993	1915	1815	1735	1685	1601	1512	639	621	603	585	563	544	525	504
Des Moines	8543	8595	8675	8570	8530	8410	8325	8405	6306	6173	5990	5721	5496	5260	5016	4841	738	718	690	668	644	625	603	576
Dickinson	4057	3984	3959	3980	3965	3905	3855	3765	2862	2733	2624	2548	2458	2338	2223	2073	706	686	663	640	620	599	577	551
Dubuque	16219	16097	16132	16245	16180	15950	15710	15635	11537	11154	10771	10507	10103	9669	9210	8782	711	693	668	647	624	606	586	562
Emmet	2531	2586	2649	2645	2680	2725	2725	2675	1791	1767	1744	1692	1644	1619	1557	1464	708	683	658	640	613	594	571	547
Fayette	4955	5008	5011	5000	4995	4935	4900	4885	3204	3140	3040	2918	2799	2668	2550	2447	647	627	607	584	560	541	520	501

Table 1. Total OASDI Recipients, Benefits, and Average Benefits in Iowa's Counties for December, 1990-1997 (continued).

County	Total December Recipients								Total December Benefits (in \$1,000s)								Avg. Dec. Benefits Per Recipient (\$s)							
	1997	1996	1995	1994	1993	1992	1991	1990	1997	1996	1995	1994	1993	1992	1991	1990	1997	1996	1995	1994	1993	1992	1991	1990
Floyd	4108	4135	4156	4065	4050	4070	4080	4055	2858	2794	2709	2559	2463	2404	2324	2220	696	676	652	630	608	591	570	547
Franklin	2652	2694	2710	2700	2630	2655	2645	2560	1843	1823	1775	1710	1611	1580	1517	1402	695	677	655	633	613	595	574	548
Fremont	1973	2043	2051	2080	2105	2140	2160	2125	1343	1350	1303	1277	1241	1213	1174	1099	682	661	635	614	590	567	544	517
Greene	2681	2718	2768	2705	2730	2685	2645	2655	1870	1841	1810	1720	1677	1604	1530	1480	698	677	654	636	614	597	578	557
Grundy	2866	2891	2883	2755	2725	2765	2720	2750	2040	1996	1926	1785	1712	1683	1606	1546	712	690	668	648	628	609	590	562
Guthrie	2955	2975	2957	2925	2915	2990	2960	2900	1957	1900	1822	1754	1694	1671	1595	1497	662	639	616	600	581	559	539	516
Hamilton	3617	3630	3686	3810	3735	3625	3570	3540	2529	2475	2417	2420	2299	2163	2067	1961	699	682	656	635	616	597	579	554
Hancock	2603	2676	2691	2640	2605	2660	2665	2630	1819	1810	1752	1672	1598	1580	1524	1440	700	676	651	633	613	594	572	548
Hardin	4669	4766	4816	4855	4945	4960	4995	4890	3289	3254	3155	3088	3033	2933	2853	2687	704	683	655	636	613	591	571	549
Harrison	3322	3311	3375	3410	3370	3365	3345	3260	2199	2145	2099	2033	1942	1886	1814	1689	662	648	622	596	576	560	542	518
Henry	3757	3763	3791	3780	3795	3810	3820	3795	2629	2565	2489	2407	2339	2260	2188	2086	700	682	657	637	616	593	573	550
Howard	2513	2544	2690	2820	2860	2855	2865	2500	1543	1515	1549	1558	1520	1468	1419	1180	615	596	576	552	531	514	495	472
Humboldt	2628	2664	2689	2725	2720	2780	2810	2580	1892	1860	1814	1783	1723	1704	1664	1470	719	698	675	654	633	613	592	570
Ida	1996	1964	1945	1950	1955	1960	1960	1990	1330	1285	1221	1182	1132	1100	1060	1023	667	654	628	606	579	561	541	514
Iowa	3190	3231	3205	3165	3140	3155	3155	3125	2213	2165	2077	1984	1907	1846	1776	1684	694	670	648	627	607	585	563	539
Jackson	4242	4269	4277	4235	4200	4245	4145	4170	2745	2696	2596	2482	2386	2325	2201	2105	647	632	607	586	568	548	531	505
Jasper	7327	7333	7327	7285	7265	7225	7105	6905	5319	5166	4973	4770	4584	4413	4187	3906	726	704	679	655	631	611	589	566
Jefferson	2773	2782	2730	2650	2640	2760	2750	2755	1910	1865	1782	1677	1611	1629	1574	1505	690	670	653	633	610	590	572	546
Johnson	10023	9825	9708	9520	9295	9210	8920	8595	7620	7250	6925	6552	6193	5921	5529	5113	760	738	713	688	666	643	620	595
Jones	3935	3898	3874	3770	3735	3700	3665	3645	2663	2572	2456	2323	2217	2123	2031	1929	677	660	634	616	594	574	554	529
Keokuk	2775	2861	2985	2985	2975	3010	3020	3065	1794	1790	1816	1754	1695	1655	1601	1571	646	626	608	588	570	550	530	513
Kossuth	4294	4261	4262	4270	4195	4120	4075	4120	2925	2819	2740	2659	2523	2397	2297	2216	682	662	643	623	601	582	564	538
Lee	7656	7709	7738	7710	7735	7700	7635	7640	5394	5271	5096	4938	4796	4636	4440	4255	705	684	659	640	620	602	582	557
Linn	29354	29053	28629	28510	28145	27715	27140	26680	22050	21183	20124	19378	18531	17695	16754	15760	751	729	703	680	658	638	617	591
Louisa	2155	2147	2025	1960	2055	2175	2120	2040	1522	1483	1349	1275	1296	1326	1240	1141	706	691	666	651	631	610	585	559
Lucas	2261	2272	2285	2280	2265	2240	2230	2250	1457	1425	1379	1328	1282	1229	1187	1130	645	627	604	582	566	549	532	502
Lyon	2557	2557	2553	2570	2545	2510	2475	2495	1677	1624	1567	1526	1443	1371	1315	1268	656	635	614	594	567	546	531	508
Madison	2551	2579	2496	2520	2525	2495	2485	2485	1751	1715	1604	1563	1506	1451	1390	1331	685	665	643	620	596	582	559	536
Mahaska	4566	4586	4615	4645	4625	4620	4560	4510	3061	3004	2911	2834	2716	2620	2509	2371	671	655	631	610	587	567	550	526
Marion	6008	6041	6062	5975	5925	5815	5730	5690	4034	3922	3806	3613	3458	3301	3119	2956	671	649	628	605	584	568	544	520
Marshall	8023	8139	8152	8035	8020	7955	7895	8025	5809	5728	5535	5294	5114	4916	4724	4601	724	704	679	659	638	618	598	573
Mills	2623	2598	2577	2555	2525	2545	2565	2470	1752	1686	1615	1555	1481	1441	1395	1292	667	649	627	609	587	566	544	523
Mitchell	2620	2651	2500	2495	2485	2495	2490	2785	1770	1741	1588	1531	1474	1437	1375	1463	676	657	635	614	593	576	552	525

Table 1. Total OASDI Recipients, Benefits, and Average Benefits in Iowa's Counties for December, 1990-1997 (continued).

County	Total December Recipients								Total December Benefits (in \$1,000s)								Avg. Dec. Benefits Per Recipient (\$)							
	1997	1996	1995	1994	1993	1992	1991	1990	1997	1996	1995	1994	1993	1992	1991	1990	1997	1996	1995	1994	1993	1992	1991	1990
Monona	2729	2685	2718	2740	2750	2785	2760	2725	1788	1704	1664	1620	1568	1528	1465	1388	655	635	612	591	570	549	531	509
Monroe	1896	1909	1939	1935	1940	1940	1945	1985	1193	1167	1141	1107	1076	1046	1008	990	630	611	588	572	555	539	518	499
Montgomery	2998	3063	3038	3060	3040	3010	3045	3005	2018	2008	1937	1888	1819	1747	1709	1627	674	656	638	617	598	580	561	541
Muscatine	7018	7028	7098	7185	7175	7075	7025	6830	5108	4957	4829	4724	4575	4360	4187	3902	728	705	680	657	638	616	596	571
O'Brien	3795	3776	3804	3825	3815	3900	3855	3795	2572	2498	2434	2369	2276	2246	2143	2012	678	662	640	619	597	576	556	530
Osceola	1650	1663	1686	1705	1690	1685	1675	1690	1126	1102	1073	1041	1000	961	922	888	682	663	636	611	592	570	550	525
Page	4234	4281	4338	4330	4335	4320	4310	4295	2834	2779	2719	2641	2552	2475	2392	2286	669	649	627	610	589	573	555	532
Palo Alto	2599	2665	2654	2705	2745	2790	2750	2685	1763	1763	1700	1671	1623	1597	1530	1439	678	662	641	618	591	572	556	536
Plymouth	4890	4924	4900	4785	4715	4720	4745	4655	3334	3249	3123	2965	2820	2729	2630	2467	682	660	637	620	598	578	554	530
Pocahontas	2254	2284	2320	2300	2295	2325	2320	2470	1560	1544	1514	1452	1411	1377	1335	1356	692	676	653	631	615	592	575	549
Polk	52080	51751	51657	51440	50975	50275	49230	48760	38920	37540	36138	34797	33382	31944	30299	28833	747	725	700	676	655	635	615	591
Pottawattamie	14853	14774	14845	14715	14505	14305	13895	13675	10136	9825	9503	9129	8712	8321	7846	7390	683	665	640	620	601	582	565	540
Poweshiek	3854	3852	3858	3850	3795	3750	3730	3735	2753	2676	2579	2495	2369	2266	2184	2098	715	695	668	648	624	604	586	562
Ringgold	1464	1504	1520	1530	1505	1495	1470	1425	882	874	859	836	784	758	715	661	602	581	565	546	521	507	486	464
Sac	3040	3085	3082	3125	3135	3120	3100	3190	2075	2038	1964	1912	1853	1787	1710	1697	683	661	637	612	591	573	552	532
Scott	24046	24017	23932	23700	23460	22965	22755	22640	17399	16866	16248	15616	14993	14259	13640	13014	724	702	679	659	639	621	599	575
Shelby	3109	3115	3102	3050	3005	2880	2870	2975	2092	2043	1958	1882	1786	1656	1599	1583	673	656	631	617	594	575	557	532
Sioux	5658	5644	5684	5670	5585	5510	5430	5350	3797	3683	3581	3457	3293	3148	2997	2829	671	653	630	610	590	571	552	529
Story	9177	9131	9019	8885	8935	8915	8855	8640	6945	6710	6381	6083	5902	5693	5470	5121	757	735	708	685	661	639	618	593
Tama	3990	4004	4058	4185	4195	4165	4180	3980	2686	2639	2580	2590	2489	2401	2319	2107	673	659	636	619	593	576	555	529
Taylor	1869	1904	1905	2010	2015	2040	2090	2050	1131	1121	1084	1108	1063	1040	1034	970	605	589	569	551	528	510	495	473
Union	2831	2828	2915	2760	2820	2850	2855	3050	1798	1751	1732	1586	1563	1543	1495	1525	634	619	594	575	554	541	524	500
Van Buren	1912	1917	1990	1985	1980	1995	1980	1960	1200	1169	1169	1130	1084	1063	1015	958	627	610	587	569	547	533	513	489
Wapello	8502	8524	8466	8450	8455	8450	8415	8450	5769	5650	5429	5257	5097	4944	4757	4589	679	663	641	622	603	585	565	543
Warren	5726	5640	5593	5150	5075	4945	4835	4630	4131	3926	3728	3330	3166	2963	2805	2555	722	696	667	647	624	599	580	552
Washington	4522	4464	4569	4630	4655	4600	4465	4340	3127	3000	2950	2884	2792	2675	2507	2358	692	672	646	623	600	582	561	543
Wayne	1958	2025	2058	2095	2105	2135	2145	2130	1162	1170	1143	1124	1102	1087	1053	1007	594	578	555	537	524	509	491	473
Webster	8999	9114	9134	9120	9080	9035	8990	9045	6400	6310	6097	5904	5704	5515	5328	5144	711	692	668	647	628	610	593	569
Winnebago	2742	2732	2794	2865	2895	2855	2860	2810	1822	1771	1745	1732	1697	1624	1573	1483	664	648	625	605	586	569	550	528
Winneshiek	3835	3793	3822	3800	3810	3755	3695	3755	2472	2370	2300	2210	2143	2048	1942	1887	645	625	602	582	562	545	526	503
Woodbury	18148	18457	18635	18930	19050	19105	19015	19000	12678	12531	12193	11986	11695	11375	10946	10507	699	679	654	633	614	595	576	553
Worth	1801	1818	1833	1805	1805	1835	1835	1850	1195	1167	1140	1094	1051	1040	1002	965	664	642	622	606	582	567	546	522
Wright	3554	3656	3666	3650	3665	3580	3535	3665	2509	2508	2438	2356	2283	2148	2048	2043	706	686	665	645	623	600	579	557
State of Iowa	537876	539232	540171	539094	536624	533510	527881	524185	377036	367160	354601	342549	329845	317686	303623	288985	701	681	656	635	615	595	575	551

Table 2. OASDI Retired Worker Recipients, Benefits, and Average Benefits in Iowa's Counties for December, 1990-1997.

County	Total December Recipients								Total December Benefits (in \$1,000s)								Avg. Dec. Benefits Per Recipient (\$s)							
	1997	1996	1995	1994	1993	1992	1991	1990	1997	1996	1995	1994	1993	1992	1991	1990	1997	1996	1995	1994	1993	1992	1991	1990
Adair	1245	1230	1190	1215	1250	1245	1220	1205	888	858	798	788	783	760	713	674	713	698	671	649	626	610	584	559
Adams	705	710	730	705	700	705	690	725	477	466	462	438	424	411	387	388	677	656	633	621	606	583	561	535
Allamakee	2140	2120	2115	2120	2115	2140	2110	2050	1455	1397	1344	1308	1256	1231	1168	1085	680	659	635	617	594	575	554	529
Appanoose	2045	2080	2100	2095	2140	2185	2150	2160	1419	1401	1366	1323	1301	1278	1213	1164	694	674	650	632	608	585	564	539
Audubon	1215	1200	1235	1235	1230	1235	1285	1265	832	804	803	779	749	725	725	691	685	670	650	631	609	587	564	546
Benton	2905	2855	2785	2720	2680	2645	2630	2605	2219	2128	2009	1893	1802	1717	1647	1572	764	745	721	696	672	649	626	603
Black Hawk	14465	14430	14450	14495	14545	14590	14495	14250	11642	11309	10939	10641	10316	10033	9627	9073	805	784	757	734	709	688	664	637
Boone	3400	3345	3390	3445	3315	3275	3295	3180	2606	2497	2442	2400	2229	2129	2058	1913	766	746	720	697	672	650	625	602
Bremer	2760	2720	2695	2720	2730	2750	2720	2805	2135	2047	1954	1905	1834	1781	1697	1676	774	753	725	700	672	648	624	598
Buchanan	2330	2350	2335	2375	2410	2405	2385	2425	1773	1746	1669	1638	1605	1547	1486	1445	761	743	715	690	666	643	623	596
Buena Vista	2710	2770	2795	2820	2860	2885	2855	2835	2088	2082	2033	1977	1941	1904	1824	1732	770	752	727	701	679	660	639	611
Butler	2220	2215	2185	2190	2215	2230	2210	2170	1617	1578	1516	1466	1431	1399	1340	1260	728	712	694	669	646	627	606	581
Calhoun	1865	1875	1880	1935	1925	1930	1955	1845	1380	1356	1314	1317	1268	1234	1199	1079	740	723	699	681	659	639	613	585
Carroll	2985	2965	2945	2885	2845	2850	2860	2935	2182	2113	2026	1925	1838	1784	1731	1706	731	713	688	667	646	626	605	581
Cass	2305	2315	2350	2330	2245	2240	2230	2360	1707	1671	1635	1569	1462	1414	1357	1375	741	722	696	673	651	631	609	583
Cedar	2255	2265	2255	2235	2180	2125	2075	2000	1710	1667	1603	1553	1459	1385	1304	1208	758	736	711	695	669	652	628	604
Cerro Gordo	6675	6675	6645	6730	6680	6550	6460	6330	5169	5036	4846	4762	4569	4350	4145	3901	774	754	729	708	684	664	642	616
Cherokee	2040	2025	2025	2010	1960	1965	1930	1900	1567	1516	1464	1414	1336	1293	1225	1161	768	749	723	703	682	658	635	611
Chickasaw	1820	1790	1780	1800	1795	1740	1720	1715	1332	1276	1225	1202	1152	1080	1031	984	732	713	688	668	642	621	599	574
Clarke	1255	1235	1200	1185	1195	1185	1180	1165	844	810	753	719	706	679	654	620	673	656	628	607	591	573	554	532
Clay	2430	2410	2385	2360	2315	2265	2200	2245	1840	1782	1702	1636	1552	1473	1380	1353	757	739	714	693	670	650	627	603
Clayton	2720	2725	2700	2615	2615	2655	2655	2680	1835	1789	1712	1610	1553	1527	1472	1427	675	657	634	616	594	575	554	532
Clinton	6575	6550	6615	6665	6675	6615	6510	6610	5074	4934	4828	4734	4576	4394	4177	4074	772	753	730	710	686	664	642	616
Crawford	2145	2135	2135	2135	2130	2140	2145	2130	1520	1473	1425	1389	1341	1299	1248	1191	709	690	667	651	630	607	582	559
Dallas	3600	3540	3590	3650	3575	3535	3520	3415	2797	2671	2612	2564	2427	2325	2220	2057	777	755	728	702	679	658	631	602
Davis	1035	1035	1045	1070	1075	1085	1080	1105	698	679	668	663	642	624	605	596	674	656	639	620	597	575	560	539
Decatur	1250	1255	1290	1295	1290	1290	1305	1355	819	797	791	767	735	713	697	691	655	635	613	592	570	553	534	510
Delaware	1980	1920	1900	1860	1860	1855	1840	1790	1407	1335	1281	1220	1176	1130	1077	1008	711	695	674	656	632	609	585	563
Des Moines	5810	5770	5760	5710	5695	5635	5585	5610	4604	4460	4303	4126	3978	3809	3647	3501	792	773	747	723	699	676	653	624
Dickinson	2705	2650	2605	2615	2615	2570	2530	2490	2054	1957	1860	1811	1754	1667	1582	1493	759	738	714	693	671	649	625	600
Dubuque	10520	10355	10290	10380	10330	10175	10005	9930	8083	7745	7435	7266	6990	6669	6347	6054	768	748	723	700	677	655	634	610
Emmet	1625	1630	1640	1645	1640	1680	1660	1640	1246	1214	1182	1153	1114	1104	1051	993	767	745	721	701	679	657	633	605
Fayette	3070	3090	3085	3070	3030	2990	2955	2985	2185	2136	2069	1994	1899	1811	1722	1664	712	691	671	650	627	606	583	557

Table 2. OASDI Retired Worker Recipients, Benefits, and Average Benefits in Iowa's Counties for December, 1990-1997 (continued).

County	Total December Recipients								Total December Benefits (in \$1,000s)								Avg. Dec. Benefits Per Recipient (\$)							
	1997	1996	1995	1994	1993	1992	1991	1990	1997	1996	1995	1994	1993	1992	1991	1990	1997	1996	1995	1994	1993	1992	1991	1990
Floyd	2505	2510	2520	2480	2465	2485	2485	2480	1929	1888	1824	1736	1669	1636	1577	1506	770	752	724	700	677	658	635	607
Franklin	1640	1660	1665	1650	1600	1605	1580	1535	1246	1234	1197	1153	1084	1059	1008	937	760	743	719	699	678	660	638	610
Fremont	1285	1320	1310	1320	1335	1365	1380	1360	954	950	914	888	869	856	841	791	742	720	698	673	651	627	609	582
Greene	1740	1735	1775	1750	1770	1735	1680	1680	1317	1279	1261	1200	1181	1125	1059	1021	757	737	710	686	667	648	630	608
Grundy	1840	1835	1830	1745	1730	1735	1685	1690	1423	1383	1334	1235	1187	1161	1093	1051	773	754	729	708	686	669	649	622
Guthrie	1935	1925	1905	1885	1880	1920	1900	1820	1383	1336	1282	1228	1183	1166	1112	1025	715	694	673	651	629	607	585	563
Hamilton	2405	2395	2430	2505	2475	2375	2335	2295	1827	1776	1741	1743	1664	1551	1473	1387	760	742	716	696	672	653	631	604
Hancock	1620	1635	1610	1555	1540	1580	1595	1585	1227	1211	1159	1099	1061	1051	1022	970	757	741	720	707	689	665	641	612
Hardin	3005	3005	3025	3070	3130	3110	3100	3055	2296	2242	2172	2135	2102	2027	1958	1851	764	746	718	695	672	652	632	606
Harrison	2040	2020	2045	2010	2005	2010	2010	1970	1482	1434	1402	1333	1290	1253	1205	1129	726	710	686	663	643	623	600	573
Henry	2480	2465	2480	2460	2480	2480	2485	2495	1886	1824	1768	1695	1657	1602	1550	1492	760	740	713	689	668	646	624	598
Howard	1520	1545	1635	1710	1745	1745	1745	1510	1037	1025	1055	1065	1045	1009	974	807	682	663	645	623	599	578	558	534
Humboldt	1635	1635	1640	1670	1680	1715	1735	1620	1288	1257	1220	1204	1166	1156	1134	1019	788	769	744	721	694	674	654	629
Ida	1230	1200	1180	1175	1165	1155	1155	1170	904	864	818	787	751	718	690	667	735	720	693	670	645	622	597	570
Iowa	2165	2145	2135	2080	2060	2065	2075	2045	1606	1549	1493	1412	1357	1313	1266	1198	742	722	699	679	659	636	610	586
Jackson	2655	2640	2635	2585	2560	2575	2540	2540	1873	1824	1759	1671	1602	1558	1482	1416	705	691	668	646	626	605	583	557
Jasper	4885	4815	4775	4690	4675	4615	4530	4410	3838	3683	3528	3360	3240	3104	2940	2752	786	765	739	716	693	673	649	624
Jefferson	1815	1815	1770	1730	1725	1795	1815	1805	1354	1320	1257	1196	1154	1169	1139	1076	746	727	710	691	669	651	628	596
Johnson	6530	6355	6265	6150	6080	6000	5790	5640	5465	5160	4933	4671	4465	4261	3966	3695	837	812	787	760	734	710	685	655
Jones	2490	2445	2405	2365	2360	2330	2295	2280	1866	1791	1704	1619	1562	1492	1414	1342	749	733	709	685	662	640	616	589
Keokuk	1675	1700	1780	1770	1770	1805	1820	1860	1197	1179	1211	1165	1128	1111	1079	1060	715	694	680	658	637	616	593	570
Kossuth	2635	2565	2575	2570	2505	2460	2435	2440	1964	1870	1825	1774	1675	1590	1521	1461	745	729	709	690	669	646	625	599
Lee	4930	4935	4955	4990	5010	5035	5000	5015	3756	3652	3536	3458	3366	3272	3143	3022	762	740	714	693	672	650	629	603
Linn	20010	19595	19255	19085	18840	18590	18310	17965	16260	15481	14709	14136	13501	12899	12285	11531	813	790	764	741	717	694	671	642
Louisa	1385	1375	1290	1250	1320	1415	1385	1325	1059	1028	932	883	904	935	883	812	765	748	722	706	685	661	638	613
Lucas	1440	1435	1455	1465	1495	1475	1445	1445	1009	974	953	924	915	876	831	791	701	679	655	631	612	594	575	547
Lyon	1570	1550	1525	1535	1505	1455	1430	1425	1124	1085	1035	1012	959	899	856	822	716	700	679	659	637	618	599	577
Madison	1635	1635	1580	1600	1615	1625	1615	1630	1204	1175	1094	1075	1048	1028	988	955	736	719	692	672	649	633	612	586
Mahaska	2975	2975	2985	3005	2990	2975	2920	2910	2169	2118	2058	2007	1937	1859	1769	1684	729	712	689	668	648	625	606	579
Marion	3755	3720	3735	3680	3670	3595	3520	3455	2715	2625	2542	2418	2326	2214	2082	1960	723	706	681	657	634	616	591	567
Marshall	5380	5445	5400	5340	5350	5310	5290	5370	4219	4155	3988	3830	3715	3566	3425	3329	784	763	739	717	694	672	647	620
Mills	1465	1460	1435	1415	1390	1405	1405	1330	1115	1073	1019	986	937	916	885	807	761	735	710	697	674	652	630	607
Mitchell	1655	1665	1585	1575	1580	1585	1570	1765	1129	1206	1111	1069	1034	1003	960	1024	682	724	701	679	654	633	611	580

Table 2. OASDI Retired Worker Recipients, Benefits, and Average Benefits in Iowa's Counties for December, 1990-1997 (continued).

County	Total December Recipients								Total December Benefits (in \$1,000s)								Avg. Dec. Benefits Per Recipient (\$s)							
	1997	1996	1995	1994	1993	1992	1991	1990	1997	1996	1995	1994	1993	1992	1991	1990	1997	1996	1995	1994	1993	1992	1991	1990
Monona	1650	1630	1630	1635	1645	1640	1635	1620	1170	1120	1091	1062	1029	996	962	914	709	687	669	650	626	607	588	564
Monroe	1175	1180	1185	1180	1195	1210	1210	1245	803	786	767	749	734	717	692	684	683	666	647	635	614	593	572	549
Montgomery	1930	1970	1990	2005	2010	2000	2010	1985	1431	1424	1394	1359	1321	1266	1230	1166	741	723	701	678	657	633	612	587
Muscatine	4495	4480	4530	4590	4600	4545	4545	4440	3560	3455	3380	3306	3212	3067	2958	2766	792	771	746	720	698	675	651	623
O'Brien	2285	2250	2260	2275	2270	2310	2275	2240	1704	1647	1600	1563	1508	1484	1409	1323	746	732	708	687	664	642	619	591
Osceola	980	980	995	990	985	970	970	980	740	718	706	674	652	623	601	580	755	733	710	681	662	642	620	592
Page	2795	2800	2830	2840	2870	2845	2845	2820	2038	1988	1950	1902	1866	1795	1742	1657	729	710	689	670	650	631	612	588
Palo Alto	1585	1595	1600	1605	1610	1625	1605	1565	1184	1170	1132	1107	1071	1049	999	937	747	734	708	690	665	646	622	599
Plymouth	3065	3050	2990	2935	2890	2880	2855	2810	2300	2228	2116	2022	1918	1850	1771	1672	750	730	708	689	664	642	620	595
Pocahontas	1415	1420	1445	1410	1400	1435	1435	1485	1059	1040	1027	976	945	938	908	910	748	732	711	692	675	654	633	613
Polk	34750	34185	34060	33910	33780	33455	33005	32665	28195	27046	26056	25146	24207	23215	22114	21008	811	791	765	742	717	694	670	643
Pottawattamie	9260	9185	9130	9030	8945	8890	8710	8555	6951	6717	6447	6187	5915	5676	5375	5046	751	731	706	685	661	638	617	590
Poweshiek	2620	2610	2610	2605	2560	2500	2495	2500	2017	1958	1888	1833	1739	1650	1587	1528	770	750	723	704	679	660	636	611
Ringgold	965	965	980	975	955	940	915	875	627	607	599	580	548	525	493	451	650	629	611	595	574	559	539	515
Sac	1945	1955	1950	1960	1955	1950	1930	1995	1455	1423	1368	1328	1280	1235	1182	1169	748	728	702	678	655	633	612	586
Scott	15305	15075	15010	14885	14860	14635	14545	14530	12118	11605	11180	10751	10370	9922	9526	9101	792	770	745	722	698	678	655	626
Shelby	1985	1970	1925	1895	1855	1785	1760	1820	1461	1423	1343	1291	1224	1139	1088	1071	736	722	698	681	660	638	618	588
Sioux	3465	3410	3405	3350	3260	3180	3125	3060	2594	2486	2398	2285	2161	2045	1948	1830	749	729	704	682	663	643	623	598
Story	6390	6290	6175	6055	6085	6060	6010	5905	5181	4957	4694	4481	4346	4198	4027	3788	811	788	760	740	714	693	670	641
Tama	2500	2475	2510	2575	2595	2565	2565	2430	1834	1780	1745	1745	1696	1629	1570	1419	734	719	695	678	654	635	612	584
Taylor	1175	1185	1200	1285	1280	1285	1320	1275	779	765	754	780	748	729	723	670	663	646	628	607	584	567	548	525
Union	1765	1750	1785	1685	1705	1750	1775	1890	1237	1198	1184	1076	1054	1052	1026	1048	701	685	663	639	618	601	578	554
Van Buren	1245	1230	1270	1265	1265	1275	1270	1240	851	816	815	789	761	747	713	664	684	663	642	624	602	586	561	535
Wapello	5150	5120	5105	5115	5145	5155	5120	5170	3867	3752	3618	3519	3426	3332	3196	3111	751	733	709	688	666	646	624	602
Warren	3845	3750	3680	3390	3335	3205	3135	3025	2968	2800	2649	2377	2259	2095	1974	1813	772	747	720	701	677	654	630	599
Washington	2965	2910	2950	2960	2965	2930	2865	2770	2229	2146	2097	2037	1965	1883	1767	1658	752	737	711	688	663	643	617	599
Wayne	1205	1245	1250	1275	1315	1335	1340	1325	781	795	773	766	766	756	732	696	648	639	618	601	583	566	546	525
Webster	5750	5805	5820	5775	5770	5770	5750	5790	4498	4432	4294	4130	3989	3873	3739	3613	782	763	738	715	691	671	650	624
Winnebago	1810	1800	1835	1885	1915	1900	1885	1860	1313	1271	1244	1235	1217	1171	1124	1069	725	706	678	655	636	616	596	575
Winneshiek	2500	2460	2460	2440	2450	2415	2350	2400	1761	1684	1522	1563	1522	1449	1362	1330	704	685	659	641	621	600	580	554
Woodbury	11425	11520	11675	11845	11995	11990	11960	12020	8824	8660	8471	8340	8167	7910	7617	7339	772	752	726	704	681	660	637	611
Worth	1155	1150	1170	1145	1155	1150	1155	1165	835	806	789	754	729	706	685	663	723	701	674	659	631	614	593	569
Wright	2200	2260	2260	2250	2270	2240	2225	2270	1706	1714	1656	1603	1557	1477	1415	1392	775	758	733	712	686	659	636	613
State of Iowa	345506	343050	342370	341222	340257	338329	335112	332664	264515	255797	246739	238447	229893	221377	211680	201406	766	746	721	699	676	654	632	605

Table 3. OASDI Disabled Worker Recipients, Benefits, and Average Benefits in Iowa's Counties for December, 1990-1997.

County	Total December Recipients								Total December Benefits (in \$1,000s)								Avg. Dec. Benefits Per Recipient (\$s)							
	1997	1996	1995	1994	1993	1992	1991	1990	1997	1996	1995	1994	1993	1992	1991	1990	1997	1996	1995	1994	1993	1992	1991	1990
Adair	75	80	60	65	60	55	60	60	51	53	38	42	36	32	35	31	680	663	633	646	600	582	583	517
Adams	75	65	70	60	60	55	50	50	46	40	42	35	33	28	26	25	613	615	600	583	550	509	520	500
Allamakee	160	155	150	155	150	140	130	125	111	104	97	95	88	80	75	70	694	671	647	613	587	571	577	560
Appanoose	310	305	285	250	235	230	220	220	209	198	176	149	137	130	123	118	674	649	618	596	583	565	559	536
Audubon	95	90	85	90	80	80	75	70	65	61	54	56	44	42	40	37	684	678	635	622	550	525	533	529
Benton	315	315	310	270	265	235	230	205	230	224	212	178	169	143	137	115	730	711	684	659	638	609	596	561
Black Hawk	2275	2270	2280	2195	2135	2075	2025	1980	1591	1549	1510	1421	1340	1277	1228	1168	699	682	662	647	628	615	606	590
Boone	405	405	385	375	345	310	300	265	288	289	263	246	222	194	185	158	711	714	683	656	643	626	617	596
Bremer	215	215	200	190	170	170	160	170	163	156	134	125	112	107	102	100	758	726	670	658	659	629	638	588
Buchanan	260	270	265	265	250	260	250	235	189	193	190	179	165	169	156	142	727	715	717	675	660	650	624	604
Buena Vista	205	195	185	180	180	185	190	200	137	127	116	113	112	110	110	112	668	651	627	628	622	595	579	560
Butler	200	195	180	185	180	180	155	150	139	133	121	125	116	112	94	84	695	682	672	676	644	622	606	560
Calhoun	170	175	165	150	140	130	125	115	122	124	114	100	93	83	80	70	718	709	691	667	664	638	640	609
Carroll	260	240	250	235	230	230	210	215	175	158	163	146	139	135	120	115	673	658	652	621	604	587	571	535
Cass	260	255	245	235	210	185	185	170	172	163	148	140	122	105	98	87	662	639	604	596	581	568	530	512
Cedar	200	190	190	170	160	140	135	130	149	135	133	117	107	90	85	79	745	711	700	688	669	643	630	608
Cerro Gordo	865	870	860	845	805	790	745	710	587	584	553	532	493	476	435	406	679	671	643	630	612	603	584	572
Cherokee	235	225	210	220	220	210	205	205	164	156	142	142	135	124	119	114	698	693	676	645	614	590	580	556
Chickasaw	165	170	160	160	150	135	130	125	115	118	110	106	95	82	77	71	697	694	688	663	633	607	592	568
Clarke	130	130	125	125	110	110	110	100	91	87	85	84	70	69	65	57	700	669	680	672	636	627	591	570
Clay	275	275	270	250	255	220	225	215	180	176	164	149	146	125	126	118	655	640	607	596	573	568	560	549
Clayton	270	255	245	225	220	195	190	190	185	167	153	138	132	113	107	105	685	655	624	613	600	579	563	553
Clinton	870	845	845	790	745	685	645	615	622	599	585	532	486	437	402	373	715	709	692	673	652	638	623	607
Crawford	280	295	285	255	230	210	210	210	191	196	182	159	141	123	118	116	682	664	639	624	613	586	562	552
Dallas	400	400	385	355	345	335	300	280	303	301	285	252	231	219	191	174	758	753	740	710	670	654	637	621
Davis	130	120	120	115	105	110	105	110	88	81	76	75	66	67	61	62	677	675	633	652	629	609	581	564
Decatur	140	140	130	130	115	110	95	90	95	89	79	78	66	59	52	45	679	636	608	600	574	536	547	500
Delaware	210	210	195	175	170	165	160	165	139	135	125	107	98	95	93	92	662	643	641	611	576	576	581	558
Des Moines	725	700	715	680	645	585	535	555	517	489	479	443	410	366	330	328	713	699	670	651	636	626	617	591
Dickinson	230	210	195	190	175	155	150	135	165	145	132	125	114	97	92	79	717	690	677	658	651	626	613	585
Dubuque	1270	1240	1205	1175	1135	1080	1040	1005	912	882	843	803	745	700	658	619	718	711	700	683	656	648	633	616
Emmet	155	160	165	160	170	150	150	135	107	109	109	102	103	93	92	80	690	681	661	638	606	620	613	593
Fayette	310	300	275	260	260	245	230	215	208	199	178	161	154	139	127	117	671	663	647	619	592	567	552	544

Table 3. OASDI Disabled Worker Recipients, Benefits, and Average Benefits in Iowa's Counties for December, 1990-1997 (continued).

County	Total December Recipients								Total December Benefits (in \$1,000s)								Avg. Dec. Benefits Per Recipient (\$s)							
	1997	1996	1995	1994	1993	1992	1991	1990	1997	1996	1995	1994	1993	1992	1991	1990	1997	1996	1995	1994	1993	1992	1991	1990
Floyd	345	315	290	255	240	225	225	210	242	215	195	165	149	138	136	123	701	683	672	647	621	613	604	586
Franklin	150	145	135	125	120	120	105	110	106	97	91	83	77	74	62	62	707	669	674	664	642	617	590	564
Fremont	150	150	150	150	145	140	125	110	102	103	97	95	88	82	70	55	680	687	647	633	607	586	560	500
Greene	170	170	165	140	130	120	120	115	112	110	106	85	76	69	69	65	659	647	642	607	585	575	575	565
Grundy	140	135	130	125	110	105	100	95	106	98	91	85	74	67	62	56	757	726	700	680	673	638	620	589
Guthrie	175	170	165	150	145	140	125	130	123	115	105	95	87	81	74	74	703	676	636	633	600	579	592	569
Hamilton	235	215	215	220	190	180	175	180	153	136	130	131	112	99	98	98	651	633	605	595	589	550	560	544
Hancock	135	145	145	130	115	110	100	95	96	98	95	81	71	65	57	50	711	676	655	623	617	591	570	526
Hardin	245	260	255	235	215	200	210	190	173	182	170	149	134	121	124	107	706	700	667	634	623	605	590	563
Harrison	235	235	230	235	200	200	190	170	159	157	154	148	124	122	116	94	677	668	670	630	620	610	611	553
Henry	275	270	245	235	225	215	220	185	185	178	156	146	137	126	123	98	673	659	637	621	609	586	559	530
Howard	125	115	120	120	115	110	110	95	82	74	75	70	65	60	60	51	656	643	625	583	565	545	545	537
Humboldt	160	150	145	135	125	115	100	95	111	100	94	84	73	68	58	53	694	667	648	622	584	591	580	558
Ida	100	95	85	80	75	75	75	65	70	62	54	48	42	41	41	34	700	653	635	600	560	547	547	523
Iowa	175	175	165	160	140	135	130	130	124	122	110	105	89	81	76	72	709	697	667	656	636	600	585	554
Jackson	280	280	275	270	260	260	235	235	198	197	186	179	170	166	146	140	707	704	676	663	654	638	621	596
Jasper	540	525	525	530	495	455	415	375	379	364	347	333	297	271	246	219	702	693	661	628	600	596	593	584
Jefferson	225	220	210	190	180	185	165	170	147	142	134	115	106	106	91	94	653	645	638	605	589	573	552	553
Johnson	1060	1020	950	920	825	795	730	660	729	683	609	572	496	460	411	360	688	670	641	622	601	579	563	545
Jones	235	230	205	185	170	155	150	160	170	161	138	123	105	92	91	96	723	700	673	665	618	594	607	600
Keokuk	190	195	180	175	175	155	140	145	130	131	119	115	111	95	81	82	684	672	661	657	634	613	579	566
Kossuth	240	230	215	200	190	160	150	130	161	152	138	122	110	91	82	70	671	661	642	610	579	569	547	538
Lee	655	640	625	565	545	505	455	445	471	449	426	370	345	322	286	264	719	702	682	655	633	638	629	593
Linn	2415	2365	2280	2245	2125	2025	1850	1760	1735	1669	1558	1493	1381	1286	1138	1043	718	706	683	665	650	635	615	593
Louisa	175	175	160	135	125	140	115	115	131	131	116	95	88	93	73	70	749	749	725	704	704	664	635	609
Lucas	185	185	180	175	150	125	130	125	124	125	116	109	92	77	80	70	670	676	644	623	613	616	615	560
Lyon	115	115	110	110	100	90	95	85	84	81	73	72	61	52	52	45	730	704	664	655	610	578	547	529
Madison	170	165	155	140	125	105	105	90	127	121	110	97	82	66	65	52	747	733	710	693	656	629	619	578
Mahaska	320	310	305	285	265	270	255	240	224	214	201	179	159	157	146	132	700	690	659	628	600	581	573	550
Marion	555	535	530	505	475	445	425	405	415	389	377	346	312	286	263	244	748	727	711	685	657	643	619	602
Marshall	650	640	625	570	545	510	475	460	456	443	421	369	341	317	289	279	702	692	674	647	626	622	608	607
Mills	200	180	175	170	170	170	165	145	143	127	118	106	101	99	91	77	715	706	674	624	594	582	552	531
Mitchell	140	130	105	105	95	100	100	105	98	93	72	72	60	64	60	60	700	715	686	686	632	640	600	571

Table 3. OASDI Disabled Worker Recipients, Benefits, and Average Benefits in Iowa's Counties for December, 1990-1997 (continued).

County	Total December Recipients								Total December Benefits (in \$1,000s)								Avg. Dec. Benefits Per Recipient (\$s)							
	1997	1996	1995	1994	1993	1992	1991	1990	1997	1996	1995	1994	1993	1992	1991	1990	1997	1996	1995	1994	1993	1992	1991	1990
Monona	155	140	140	135	140	140	130	120	103	95	91	85	84	82	74	65	665	679	650	630	600	586	569	542
Monroe	155	155	160	145	135	125	120	120	112	110	106	94	85	78	71	72	723	710	663	648	630	624	592	600
Montgomery	250	245	230	205	185	175	170	160	162	159	144	129	109	100	100	93	648	649	626	629	589	571	588	581
Muscatine	655	645	620	590	565	510	480	450	486	463	434	404	373	327	295	266	742	718	700	685	660	641	615	591
O'Brien	205	195	185	185	180	165	150	145	140	127	121	116	104	92	83	80	683	651	654	627	578	558	553	552
Osceola	95	85	90	95	95	80	85	80	65	58	58	61	58	48	49	46	684	682	644	642	611	600	576	575
Page	285	285	290	270	245	240	230	215	187	180	174	157	135	133	121	107	656	632	600	581	551	554	526	498
Palo Alto	160	165	170	170	175	170	165	140	102	105	105	101	100	95	93	77	638	636	618	594	571	559	564	550
Plymouth	310	310	280	255	255	245	225	210	211	203	178	155	152	141	129	114	681	655	636	608	596	576	573	543
Pocahontas	120	115	105	105	95	90	80	85	82	81	70	68	61	54	47	46	683	704	667	648	642	600	588	541
Polk	5300	5195	5095	4840	4490	4225	3900	3720	3837	3655	3470	3177	2879	2644	2379	2193	724	704	681	656	641	626	610	590
Pottawattamie	1680	1575	1555	1505	1425	1325	1215	1180	1134	1049	1012	952	882	801	727	684	675	666	651	633	619	605	598	580
Poweshiek	220	225	220	200	185	180	180	165	158	158	144	129	112	107	104	92	718	702	655	645	605	594	578	558
Ringgold	90	95	95	95	85	80	70	75	61	65	63	61	52	46	40	40	678	684	663	642	612	575	571	533
Sac	155	160	155	150	150	145	145	135	103	103	96	95	91	87	83	76	665	644	619	633	607	600	572	563
Scott	2330	2335	2230	2150	2005	1860	1745	1635	1684	1656	1546	1451	1323	1185	1084	984	723	709	693	675	660	637	621	602
Shelby	155	140	130	125	120	105	105	95	99	88	82	76	70	60	58	53	639	629	631	608	583	571	552	558
Sioux	270	265	270	270	245	255	225	210	180	171	169	163	142	138	119	113	667	645	626	604	580	541	529	538
Story	620	595	575	540	545	510	465	415	426	399	377	338	322	296	265	230	687	671	656	626	591	580	570	554
Tama	200	195	175	180	165	155	150	135	140	138	119	120	102	94	89	81	700	708	680	667	618	606	593	600
Taylor	120	120	100	95	90	90	90	95	82	83	64	60	54	50	53	53	683	692	640	632	600	556	589	558
Union	235	230	230	215	200	180	170	185	151	140	136	124	110	98	91	95	643	609	591	577	550	544	535	514
Van Buren	120	105	110	105	105	95	80	75	86	75	75	67	64	56	46	43	717	714	682	638	610	589	575	573
Wapello	865	855	820	795	750	725	680	640	597	578	544	509	475	449	407	366	690	676	663	640	633	619	599	572
Warren	510	495	485	415	380	360	330	285	400	377	351	290	253	235	216	178	784	762	724	699	666	653	655	625
Washington	275	260	260	245	240	225	215	200	191	174	168	152	147	136	125	116	695	669	646	620	613	604	581	580
Wayne	125	115	110	105	95	95	90	95	88	78	73	66	55	55	51	51	704	678	664	629	579	579	567	537
Webster	790	770	750	730	710	670	650	620	538	512	489	468	443	405	388	359	681	665	652	641	624	604	597	579
Winnebago	130	130	120	120	120	100	100	90	89	86	77	77	72	59	57	49	685	662	642	642	600	590	570	544
Winneshiek	195	190	185	180	165	160	155	140	124	121	116	108	95	92	87	78	636	637	627	600	576	575	561	557
Woodbury	1780	1785	1730	1685	1635	1590	1545	1480	1193	1174	1109	1041	982	944	893	827	670	658	641	618	601	594	578	559
Worth	115	110	100	95	95	100	95	90	80	74	65	62	58	61	55	49	696	673	650	653	611	610	579	544
Wright	195	195	185	160	170	150	135	140	124	121	116	99	101	89	78	79	636	621	627	619	594	593	578	564
State of Iowa	42170	41312	40098	38313	36209	34317	32327	30897	29594	28381	26720	24751	22702	21012	19341	17872	702	687	666	646	627	612	598	578

Table 4. OASDI Survivor Recipients, Benefits, and Average Benefits in Iowa's Counties for December, 1990-1997.

County	Total December Recipients								Total December Benefits (in \$1,000s)								Avg. Dec. Benefits Per Recipient (\$s)							
	1997	1996	1995	1994	1993	1992	1991	1990	1997	1996	1995	1994	1993	1992	1991	1990	1997	1996	1995	1994	1993	1992	1991	1990
Adair	290	310	325	340	340	340	340	325	201	206	206	212	202	195	189	176	693	665	634	624	594	574	556	542
Adams	180	185	180	175	165	175	175	185	120	119	112	107	95	97	91	94	667	643	622	611	576	554	520	508
Allamakee	420	435	450	460	470	480	490	495	268	268	267	265	262	258	252	242	638	616	593	576	557	538	514	489
Appanoose	550	575	565	580	585	590	575	575	346	347	329	324	319	308	289	275	629	603	582	559	545	522	503	478
Audubon	260	260	260	275	280	285	285	275	173	167	162	167	165	162	155	140	665	642	623	607	589	568	544	509
Benton	670	685	710	720	715	720	710	690	489	483	477	466	450	437	414	385	730	705	672	647	629	607	583	558
Black Hawk	2810	2895	2925	2985	3040	3045	3040	3045	2146	2147	2083	2047	2005	1939	1872	1796	764	742	712	686	660	637	616	590
Boone	645	660	685	695	690	705	715	695	494	485	487	472	448	439	428	398	766	735	711	679	649	623	599	573
Bremer	680	710	705	705	715	685	695	725	503	507	482	464	454	420	406	404	740	714	684	658	635	613	584	557
Buchanan	590	590	595	610	615	625	615	610	428	410	397	391	381	374	354	339	725	695	667	641	620	598	576	556
Buena Vista	590	620	630	625	620	635	645	665	449	456	446	423	406	398	387	377	761	735	708	677	655	627	600	567
Butler	635	640	670	670	675	705	700	685	447	433	434	418	406	409	388	363	704	677	648	624	601	580	554	530
Calhoun	510	540	565	595	605	605	615	620	383	393	396	398	390	376	367	354	751	728	701	669	645	621	597	571
Carroll	730	750	765	775	795	795	775	800	535	534	519	502	498	478	446	440	733	712	678	648	626	601	575	550
Cass	580	600	605	615	595	615	625	665	423	423	412	401	375	377	367	368	729	705	681	652	630	613	587	553
Cedar	500	515	515	530	515	530	515	520	360	359	344	342	319	319	297	286	720	697	668	645	619	602	577	550
Cerro Gordo	1310	1360	1395	1430	1460	1435	1470	1475	997	999	985	971	955	906	894	855	761	735	706	679	654	631	608	580
Cherokee	450	470	485	475	470	480	485	485	337	340	334	316	306	303	294	279	749	723	689	665	651	631	606	575
Chickasaw	445	455	450	480	480	480	465	480	295	291	279	287	275	264	246	244	663	640	620	598	573	550	529	508
Clarke	225	235	240	255	260	260	255	265	149	150	147	152	148	142	133	133	662	638	613	596	569	546	522	502
Clay	505	530	540	580	580	570	565	560	377	379	375	387	371	351	330	311	747	715	694	667	640	616	584	555
Clayton	625	665	690	675	685	715	705	695	408	416	413	389	382	386	362	336	653	626	599	576	558	540	513	483
Clinton	1305	1370	1385	1405	1430	1465	1460	1470	986	1001	975	952	932	924	883	845	756	731	704	678	652	631	605	575
Crawford	560	585	575	575	595	600	590	585	382	387	361	347	343	334	317	301	682	662	628	603	576	557	537	515
Dallas	700	735	750	775	785	755	730	730	520	535	522	517	502	468	435	417	743	728	696	667	639	620	596	571
Davis	250	265	280	265	270	285	265	280	166	171	176	163	159	161	146	147	664	645	629	615	589	565	551	525
Decatur	260	270	280	280	270	270	270	265	170	169	167	159	147	142	139	126	654	626	596	568	544	526	515	475
Delaware	455	455	455	450	450	480	460	455	311	302	290	278	268	276	253	238	684	664	637	618	596	575	550	523
Des Moines	970	1035	1080	1075	1060	1075	1060	1080	755	780	776	742	704	691	652	629	778	754	719	690	664	643	615	582
Dickinson	505	515	535	520	530	540	545	515	385	381	377	354	344	338	326	290	762	740	705	681	649	626	598	563
Dubuque	2075	2140	2210	2250	2270	2275	2255	2225	1580	1586	1566	1535	1491	1445	1376	1295	761	741	709	682	657	635	610	582
Emmet	385	405	415	420	440	435	450	440	285	288	285	278	276	263	261	248	740	711	687	662	627	605	580	564
Fayette	755	775	800	785	790	785	790	795	511	504	499	475	463	441	427	412	677	650	624	605	586	562	541	518

Table 4. OASDI Survivor Recipients, Benefits, and Average Benefits in Iowa's Counties for December, 1990-1997 (continued).

County	Total December Recipients								Total December Benefits (in \$1,000s)								Avg. Dec. Benefits Per Recipient (\$)							
	1997	1996	1995	1994	1993	1992	1991	1990	1997	1996	1995	1994	1993	1992	1991	1990	1997	1996	1995	1994	1993	1992	1991	1990
Floyd	600	630	640	630	630	630	630	650	429	438	431	409	390	378	363	361	715	695	673	649	619	600	576	555
Franklin	405	415	430	435	435	450	475	445	304	301	300	292	280	278	282	253	751	725	698	671	644	618	594	569
Fremont	250	275	285	295	285	285	265	275	178	188	182	182	171	168	149	147	712	684	639	617	600	589	562	535
Greene	370	395	400	415	420	430	435	450	260	287	281	283	272	272	266	260	757	727	703	682	648	633	611	578
Grundy	420	430	445	425	435	450	470	475	326	322	318	290	286	284	287	276	776	749	715	682	657	631	611	581
Guthrie	420	430	440	460	465	475	465	475	291	287	281	284	281	277	258	252	693	667	639	617	604	583	555	531
Hamilton	465	485	475	495	500	515	520	515	342	350	326	326	316	315	307	292	735	722	686	659	632	612	590	567
Hancock	390	425	440	445	445	455	450	445	301	313	309	302	287	280	266	252	772	736	702	679	645	615	591	566
Hardin	715	735	755	770	795	825	830	815	543	536	524	517	513	508	489	464	759	729	694	671	645	616	589	569
Harrison	510	525	525	560	560	565	565	555	359	358	343	351	339	329	316	301	704	682	653	627	605	582	559	542
Henry	470	505	525	540	540	545	555	555	353	367	366	369	354	343	335	320	751	727	697	683	656	629	604	577
Howard	430	435	445	460	465	475	470	400	274	268	263	262	253	251	239	195	637	616	591	570	544	528	509	488
Humboldt	420	445	450	450	460	470	460	400	322	327	321	313	311	305	287	240	767	735	713	696	676	649	624	600
Ida	305	340	340	340	350	365	365	370	218	238	228	221	218	221	211	204	715	700	671	650	623	605	578	551
Iowa	440	480	470	470	490	495	490	500	319	332	315	306	306	298	284	274	725	692	670	651	624	602	580	548
Jackson	610	645	640	650	645	640	640	640	418	421	400	391	376	358	345	326	685	653	625	602	583	559	539	509
Jasper	860	900	925	930	950	985	980	965	661	669	660	643	626	622	595	554	769	743	714	691	659	631	607	574
Jefferson	355	375	365	355	360	365	370	395	260	264	249	232	223	218	214	216	732	704	682	654	619	597	578	547
Johnson	1030	1050	1080	1075	1060	1080	1075	1015	812	807	801	758	722	704	673	605	788	769	742	705	681	652	626	596
Jones	580	590	590	585	570	570	565	560	393	390	377	363	340	328	315	291	678	661	639	621	596	575	558	520
Keokuk	445	460	480	480	490	500	500	505	304	305	303	296	290	287	281	269	683	663	631	617	592	574	562	533
Kossuth	675	695	700	710	725	735	755	765	506	500	488	475	464	452	445	431	750	719	697	669	640	615	589	563
Lee	1015	1060	1050	1065	1075	1090	1090	1095	759	768	733	714	693	676	646	617	748	725	698	670	645	620	593	563
Linn	3190	3305	3335	3335	3360	3370	3325	3310	2492	2496	2408	2316	2259	2184	2066	1966	781	755	722	694	672	648	621	594
Louisa	270	275	265	270	280	280	280	270	205	203	189	187	188	178	172	156	759	738	713	693	671	636	614	578
Lucas	310	320	320	315	305	320	325	320	208	208	199	188	173	177	176	164	671	650	622	597	567	553	542	513
Lyon	390	395	410	405	410	435	445	455	280	275	274	260	250	254	252	245	718	696	668	642	610	584	566	538
Madison	350	370	375	375	375	370	370	370	256	261	257	245	234	224	216	204	731	705	685	653	624	605	584	551
Mahaska	565	580	590	605	600	610	625	610	409	407	396	390	367	360	355	331	724	702	671	645	612	590	568	543
Marion	775	820	825	805	805	830	850	855	547	551	536	506	487	487	480	461	706	672	650	629	605	587	565	539
Marshall	930	975	995	1010	1010	1025	1040	1045	720	725	713	697	669	650	635	608	774	744	717	690	662	634	611	582
Mills	265	280	290	290	280	270	275	295	194	201	199	192	178	165	159	164	732	718	686	662	636	611	578	556
Mitchell	380	395	385	390	390	395	395	445	271	269	252	245	237	232	222	236	713	681	655	628	608	587	562	530

Table 4. OASDI Survivor Recipients, Benefits, and Average Benefits in Iowa's Counties for December, 1990-1997 (continued).

County	Total December Recipients								Total December Benefits (in \$1,000s)								Avg. Dec. Benefits Per Recipient (\$s)							
	1997	1996	1995	1994	1993	1992	1991	1990	1997	1996	1995	1994	1993	1992	1991	1990	1997	1996	1995	1994	1993	1992	1991	1990
Monona	510	505	515	515	520	520	515	505	360	343	333	323	315	303	287	272	706	679	647	627	606	583	557	539
Monroe	265	275	275	290	305	305	315	320	174	175	167	167	170	165	163	159	657	636	607	576	557	541	517	497
Montgomery	370	385	385	395	400	410	415	435	273	270	260	255	251	248	242	241	738	701	675	646	628	605	583	554
Muscatine	865	890	900	935	945	955	955	940	660	650	632	630	613	599	575	538	763	730	702	674	649	627	602	572
O'Brien	595	605	620	620	625	660	670	665	440	433	427	411	401	408	397	374	739	716	689	663	642	618	593	562
Osceola	270	290	290	300	300	305	305	305	199	207	197	196	188	184	173	164	737	714	679	653	627	603	567	538
Page	505	535	550	560	555	575	580	600	362	372	368	361	338	339	330	329	717	695	669	645	609	590	569	548
Palo Alto	425	445	445	455	450	470	470	485	307	310	297	291	276	278	270	268	722	697	667	640	613	591	574	553
Plymouth	680	695	735	725	725	735	745	720	495	491	500	470	448	441	425	390	728	706	680	648	618	600	570	542
Pocahontas	380	395	405	405	425	415	425	465	286	288	280	270	272	253	251	262	753	729	691	667	640	610	591	563
Polk	5420	5620	5670	5740	5815	5835	5770	5840	4220	4226	4079	3986	3886	3752	3577	3448	779	752	719	694	668	643	620	590
Pottawattamie	1700	1770	1830	1830	1820	1805	1765	1760	1241	1253	1240	1201	1157	1105	1038	980	730	708	678	656	636	612	588	557
Poweshiek	490	495	505	505	520	525	525	530	361	353	347	333	329	321	311	299	737	713	687	659	633	611	592	564
Ringgold	200	220	220	220	220	235	230	230	126	134	128	123	116	120	114	109	630	609	582	559	527	511	496	474
Sac.	455	450	470	465	480	475	470	510	328	314	313	302	301	287	272	285	721	698	666	649	627	604	579	559
Scott	2860	2980	3030	3065	3080	3035	3000	3030	2194	2218	2174	2115	2045	1944	1847	1787	767	744	717	690	664	641	616	590
Shelby	440	465	470	475	475	465	475	505	323	330	320	315	303	284	279	285	734	710	681	663	638	611	587	564
Sioux	830	865	900	935	945	960	950	945	597	606	608	612	595	584	552	523	719	701	676	655	630	608	581	553
Story	1035	1095	1105	1095	1120	1115	1140	1115	849	865	840	799	788	751	734	680	820	790	760	730	704	674	644	610
Tama	625	650	670	690	680	695	690	680	454	460	455	453	429	421	404	377	726	708	679	657	631	606	586	554
Taylor	265	290	280	290	295	300	310	315	168	175	162	164	161	158	158	151	634	603	579	566	546	527	510	479
Union	385	405	400	400	430	445	440	465	259	265	248	238	247	246	232	236	673	654	620	595	574	553	527	508
Van Buren	250	265	285	290	290	295	295	305	162	165	171	169	162	161	153	149	648	623	600	583	559	546	519	489
Wapello	1140	1205	1200	1205	1215	1230	1270	1255	815	840	803	778	755	742	740	699	715	697	669	646	621	603	583	557
Warren	610	630	645	610	635	630	630	605	451	444	439	394	396	373	361	330	739	705	681	646	624	592	573	545
Washington	570	560	585	620	630	635	635	620	428	402	404	409	398	384	368	345	751	718	691	660	632	605	580	556
Wayne	280	285	300	310	310	320	320	330	180	173	175	174	169	167	161	160	643	607	583	561	545	522	503	485
Webster	1085	1125	1125	1175	1195	1210	1230	1280	829	826	792	798	779	757	740	735	764	734	704	679	652	626	602	574
Winnebago	360	365	410	415	415	425	440	425	253	248	268	260	254	251	252	231	703	679	654	627	612	591	573	544
Winneshiak	520	515	530	530	530	535	545	550	354	340	339	325	314	302	296	282	681	660	640	613	592	564	543	513
Woodbury	2180	2280	2300	2380	2410	2490	2500	2525	1619	1651	1596	1592	1549	1541	1489	1434	743	724	694	669	643	619	596	568
Worth	265	275	280	285	285	300	310	305	185	186	188	184	178	181	176	163	698	676	671	646	625	603	568	534
Wright	570	590	615	610	600	575	585	635	438	436	436	418	398	365	354	367	768	739	709	685	663	635	605	578
State of Iowa	69459	72097	73347	74197	74866	75606	75588	75842	51327	51499	50293	49000	47639	46346	44521	42593	739	714	686	660	636	613	589	562

Scott, Warren) had at least 500 more. Increased recipients translated into gains of 10-19 percent in 11 counties and more than 20 percent in Warren.

Seventy percent (\$265 million) of the total 1997 OASDI benefits (\$377 million) in Iowa were paid to retired workers. Recipients in Black Hawk, Linn, Polk, and Scott received more than \$10 million in retired worker benefits in 1997; Cerro Gordo, Clinton, Dubuque, Johnson, Pottawattamie, Story, and Woodbury each had at least \$5 million. Fifteen counties received less than \$1 million in retired worker benefits in the last month of 1997.

Retired worker benefits averaged \$766 in December of 1997. Payments per recipient ranged from less than \$650 (Wayne) to more than \$800 (Black Hawk, Johnson, Linn, Polk, Story).

Disabled Worker Recipients, Benefits, and Average Benefits

In December of 1997, recipients of disabled worker benefits numbered 42,200 (Table 3). While Adair, Adams, Audubon, Osceola, and Ringgold each had fewer than 100 such recipients, Black Hawk, Dubuque, Johnson, Linn, Polk, Pottawattamie, Scott, and Woodbury all had more than 1,000. All 99 counties reported increases in their disabled worker recipients from 1990 to 1997. These increases ranged from fewer than 20 (Adair, Buena Vista, Osceola, Ringgold) to 500 or more (Linn, Polk, Pottawattamie, Scott). Statewide, the increase was nearly 11,300 or a 36.5 percent gain. In 18 counties, increases from 1990 to 1997 among disabled workers exceeded 50 percent; Kossuth, Madison, and Warren had percentage gains of 75 percent or more.

Disabled worker benefits totaled \$29.6 million in the last month of 1997. Average benefits per recipient ranged from a low of \$613 (Adams) to a high of \$784 (Warren). Statewide, disabled benefits averaged \$702 per recipient in December of 1997.

Survivor Recipients, Benefits, and Average Benefits

Survivor benefits were paid to 69,500 widows and widowers in December of 1997 (Table 4). Adams, Clarke, and Ringgold were the only counties with fewer than 250 recipients of survivor benefits; Linn and Polk had more than 3,000. Howard, Humboldt, Johnson, Jones, Monona, and Warren reported more recipients of survivor benefits in 1997 than in 1990; Delaware and Louisa had the same number both years and the remaining 91 counties had declines. Statewide, survivor beneficiaries declined by 6,383 (-8.4%) over that period. Although in no county did recipients increase by 10 percent, 48 counties had declines of that magnitude.

The survivors shared \$51.3 million in benefits in 1997. Recipients in the three counties with the lowest numbers of recipients (Adams, Clarke, Ringgold) each received less than \$150,000, while those in Black Hawk, Linn, Polk, and Scott were sent at least \$2 million in benefits.

Widows and widowers (\$739) averaged slightly higher payments in 1997 than disabled workers (\$702), but not as much as retired workers (\$766). Throughout the state, seven counties (Allamakee, Appanoose, Howard, Ringgold, Taylor, Van Buren, Wayne) averaged less than \$650 and 29 averaged more than \$750. Story's average of \$820 was the highest reported that year while the \$629 in Appanoose was the lowest.

Note: These data, although originally from the U.S. Social Security Administration, were taken from data available on a CD-ROM from the U.S. Bureau of the Census called "USA Counties 1998: A Statistical Abstract Supplement." Rounded figures were reported for all data categories except total recipients the three most recent years.

The Family Investment Program in Iowa's Counties: 1988-1998

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The Iowa Department of Human Services maintains information on the number of families and persons receiving assistance each month in the Family Investment Program (FIP), which formerly was called the Aid to Families With Dependent Children (AFDC) program. To be eligible for the program, a family must have very low assets and income and have at least one dependent child. In Iowa, both one- and two-parent families can qualify for the FIP if they meet the guidelines for assets, income, incapacitation, or unemployment. Families qualify for assistance in either the regular program or the unemployed-parent program. Most families are in the regular program, but there are provisions in the FIP regulations that allow aid to families in which the main worker becomes unemployed. Each family served constitutes a case in the data system maintained by the Department of Human Services; because numbers of people assisted varies across cases, information on the total number receiving benefits also is provided.

For this report, calendar-year monthly averages were computed for cases and recipients in both the regular and unemployed-parent program. Two cautions are noted for using these data. Federal and state changes in the eligibility for these programs affect year-to-year comparisons and decade trends; particularly important are legislative mandates limiting eligibility that occurred in recent years.

Regular Family Investment Cases and Recipients

Iowa averaged nearly 35,700 regular FIP cases monthly in 1994, which was the highest number in the period examined (1988-1998). These cases decreased dramatically with new legislation that limited eligibility; 22,400 cases were reported per month in 1998 (Table 1). In 1998, 25 counties averaged fewer than 50 cases each month. Four others (Black Hawk, Linn, Polk, Scott) recorded averages above 1,000, with Polk's 3,490 the highest.

The decrease in regular FIP cases occurring from 1997 to 1998 was the fourth consecutive decline since 1994. All but two of Iowa's 99 counties (Audubon, Dubuque) had decreases between 1997 and 1998; Polk's decline (-448) was the largest. Nine other counties reported declines of more than 50 cases. A comparison of 1988 with 1998 reveals that Iowa had 10,805 fewer regular cases at the end of the period than at the beginning. All of Iowa's 99 counties also had fewer cases in 1998 than in 1988.

Most FIP cases serve more than one individual, of course. The average number of Iowans receiving benefits in the regular FIP each month in 1998 was 57,348 (Table 1). This figure was substantially lower than the other years examined and represented a decrease of 7,849 from 1997. More than 100,000 persons were in the program each month, on average, in both 1985 and 1986 (Figure 1).

Polk County averaged more than 8,900 FIP recipients monthly in the regular program in 1998, the highest number for any county in the state. The only other county above 5,000 that year was Scott. These two counties alone accounted for more than a quarter (25.8%) of Iowa's average monthly regular FIP recipients. Eighty counties had fewer than 500 recipients in 1998, although only 13 were below 100.

Table 1. Average Monthly Number of Regular Family Investment Program Cases and Recipients in Iowa's Counties, 1988-1998.

County	Average Monthly Number of Regular Family Investment Program Cases											Average Monthly Number of Regular Family Investment Program Recipients										
	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988
Adair	39	49	50	50	50	56	57	49	46	39	48	99	129	142	138	136	151	158	146	133	103	129
Adams	29	33	47	47	53	47	48	43	36	39	43	75	95	138	137	160	128	143	122	115	118	132
Allamakee	53	68	78	86	84	84	81	67	72	79	87	136	183	203	237	237	231	223	178	204	221	241
Appanoose	204	240	259	266	273	274	290	297	300	322	326	541	618	667	692	686	710	784	814	801	847	888
Audubon	30	30	34	37	42	37	41	42	36	33	37	81	72	84	92	113	103	115	125	108	100	106
Benton	139	151	158	183	219	216	225	216	225	199	209	334	386	393	468	573	571	601	599	642	542	566
Black Hawk	1814	2026	2265	2447	2629	2539	2549	2526	2550	2703	2743	4660	5194	5811	6371	6980	6788	6799	6859	7047	7328	7425
Boone	126	156	188	219	245	252	248	228	209	229	239	324	415	499	591	656	677	655	590	536	576	609
Bremer	86	97	121	142	166	148	126	131	122	124	140	194	223	306	369	427	380	316	336	316	322	373
Buchanan	140	150	181	202	223	235	242	248	236	245	257	372	389	461	525	606	623	647	676	634	659	696
Buena Vista	117	125	133	147	157	154	157	137	127	130	144	306	317	331	377	393	400	404	352	328	325	367
Butler	72	85	98	106	110	102	123	131	122	115	121	190	229	253	284	297	272	337	377	335	322	338
Calhoun	47	52	73	79	98	90	92	86	79	93	100	113	133	174	200	246	227	240	238	232	279	279
Carroll	77	92	110	124	128	128	122	122	114	122	117	201	237	281	323	340	339	324	327	317	324	307
Cass	90	112	134	160	178	170	148	138	137	134	129	219	284	347	417	489	485	407	370	373	369	342
Cedar	82	98	108	121	142	124	125	121	122	118	115	200	236	258	297	346	308	315	320	336	315	305
Cerro Gordo	310	359	442	489	570	561	558	539	539	534	547	768	883	1086	1215	1429	1411	1449	1418	1449	1416	1429
Cherokee	53	67	87	104	113	92	91	97	86	89	92	124	164	211	249	286	240	250	274	231	237	248
Chickasaw	42	62	66	77	92	84	75	73	80	90	89	105	154	169	205	239	208	193	194	214	234	239
Clarke	77	92	111	126	135	111	105	90	97	90	100	196	242	303	343	358	303	293	250	282	263	293
Clay	95	96	110	128	146	152	162	159	154	172	184	232	242	273	315	364	380	424	419	406	442	456
Clayton	48	53	58	71	85	89	105	109	102	119	124	113	130	142	191	234	243	286	307	304	328	347
Clinton	576	648	729	829	901	925	887	866	834	823	813	1459	1604	1817	2097	2295	2367	2263	2268	2226	2191	2128
Crawford	119	130	157	185	191	168	164	166	162	162	162	316	344	415	492	516	467	456	459	441	438	435
Dallas	151	172	214	264	283	292	298	276	275	286	283	385	429	533	701	766	765	779	741	741	776	766
Davis	51	61	64	85	94	90	87	85	100	101	99	121	157	161	218	253	243	237	223	270	271	273
Decatur	84	95	114	113	124	121	124	114	104	100	102	202	247	297	289	327	322	319	295	264	257	280
Delaware	80	93	113	111	113	120	122	119	131	146	169	208	237	288	304	324	347	338	344	386	414	487
Des Moines	582	605	620	665	730	732	705	685	674	652	652	1525	1572	1612	1755	1931	1970	1900	1887	1893	1799	1790
Dickinson	69	71	78	92	96	76	82	91	91	107	112	166	172	187	224	239	197	200	233	237	287	303
Dubuque	567	565	592	614	749	751	761	749	769	804	865	1475	1477	1541	1613	1992	1997	2024	2020	2090	2161	2313
Emmet	49	56	66	77	96	101	101	106	115	117	125	134	148	177	209	258	272	274	300	319	329	355
Fayette	169	189	223	219	253	265	248	236	203	201	200	439	506	586	574	691	719	680	651	573	549	533

Table 1. Average Monthly Number of Regular Family Investment Program Cases and Recipients in Iowa's Counties, 1988-1998 (continued).

County	Average Monthly Number of Regular Family Investment Program Cases											Average Monthly Number of Regular Family Investment Program Recipients										
	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988
Floyd	138	142	163	183	215	191	190	191	200	209	196	357	364	412	474	581	518	504	516	531	551	512
Franklin	51	64	67	82	94	81	86	79	84	92	90	132	161	182	222	248	215	222	212	217	250	243
Fremont	71	75	95	109	124	108	92	87	84	95	96	181	206	247	298	340	297	255	235	233	253	261
Greene	67	73	85	99	107	92	81	83	82	83	92	166	183	210	257	283	248	218	215	220	217	248
Grundy	36	45	55	55	57	65	68	67	63	60	57	91	113	136	136	145	180	185	181	174	154	153
Guthrie	48	54	76	91	114	115	116	108	93	99	110	126	139	195	234	307	306	308	282	260	277	318
Hamilton	73	85	98	110	143	144	134	132	117	123	138	187	215	233	274	369	375	344	340	298	323	373
Hancock	47	51	64	69	87	83	84	73	80	82	82	119	132	173	187	244	235	235	199	201	208	212
Hardin	103	135	153	183	218	209	197	174	165	162	172	256	328	374	445	563	526	479	427	407	397	440
Harrison	111	131	140	153	167	165	172	156	150	156	168	283	339	353	398	445	452	467	445	409	428	456
Henry	128	149	168	194	225	203	188	169	165	165	157	299	369	406	482	563	530	479	444	432	445	414
Howard	33	40	43	48	59	60	63	50	54	67	64	82	112	103	122	157	154	178	143	154	180	170
Humboldt	43	49	59	63	74	74	69	64	65	75	94	118	125	159	176	211	214	198	175	170	198	243
Ida	34	41	42	48	43	41	45	42	29	35	42	91	102	102	110	101	103	119	113	75	95	117
Iowa	50	55	70	72	89	74	69	69	73	64	71	127	134	182	181	227	188	164	165	180	159	187
Jackson	124	151	161	188	219	205	204	222	220	215	234	298	368	408	475	573	534	520	576	574	563	618
Jasper	187	205	251	283	306	325	315	300	291	300	319	451	508	625	714	765	826	803	783	739	771	833
Jefferson	133	147	157	173	195	172	168	175	169	166	151	329	364	381	432	494	457	435	466	448	418	378
Johnson	414	494	545	571	599	550	492	465	455	449	464	1061	1235	1364	1431	1556	1432	1267	1108	1187	1138	1186
Jones	92	112	132	153	157	152	139	136	145	159	184	259	297	337	397	421	412	376	367	390	434	502
Keokuk	93	111	116	115	138	143	133	145	137	139	126	256	299	310	302	359	385	346	390	380	405	369
Kossuth	74	79	87	104	124	117	120	119	116	101	108	192	201	231	278	330	316	316	303	298	257	277
Lee	493	543	577	601	695	684	699	704	663	640	659	1251	1394	1504	1564	1871	1857	1888	1932	1830	1746	1806
Linn	1414	1541	1701	1824	2090	2050	2044	1996	1924	1917	2017	3545	3903	4321	4718	5403	5288	5265	5248	5128	5067	5308
Louisa	109	126	138	164	177	170	169	151	135	132	145	274	328	372	431	469	462	464	424	385	364	398
Lucas	106	122	135	147	144	124	129	130	122	123	128	270	310	353	390	372	327	339	344	320	317	341
Lyon	37	40	53	54	55	53	45	38	42	45	52	88	95	138	137	145	143	129	112	131	126	143
Madison	42	50	62	79	95	96	95	103	95	103	103	105	113	148	205	261	244	238	268	262	287	279
Mahaska	198	215	231	255	278	264	269	278	274	277	274	519	556	589	635	708	682	694	732	718	716	714
Marion	138	150	196	243	281	271	256	237	230	228	228	363	399	507	631	730	724	690	630	620	621	613
Marshall	380	413	446	480	558	548	533	481	455	452	444	999	1093	1169	1256	1516	1485	1440	1311	1238	1222	1199
Mills	122	151	170	192	201	163	150	136	137	137	144	306	391	443	486	539	433	391	360	370	371	398
Mitchell	27	35	41	43	60	58	60	59	48	54	62	67	90	99	103	146	144	153	152	118	133	159

Table 1. Average Monthly Number of Regular Family Investment Program Cases and Recipients in Iowa's Counties, 1988-1998 (continued).

County	Average Monthly Number of Regular Family Investment Program Cases											Average Monthly Number of Regular Family Investment Program Recipients										
	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988
Monona	50	60	69	86	107	111	124	134	125	117	129	117	133	164	210	270	293	333	358	332	319	351
Monroe	62	73	85	105	126	112	116	123	123	130	139	148	179	211	274	342	305	312	345	347	355	373
Montgomery	110	128	129	142	147	158	153	139	124	118	118	290	348	332	377	374	392	396	371	337	308	302
Muscatine	432	501	545	608	645	620	625	623	615	618	619	1105	1281	1383	1600	1739	1715	1756	1753	1734	1721	1697
O'Brien	59	61	69	82	86	82	80	71	65	68	83	148	147	171	206	218	212	211	186	175	184	229
Osceola	19	27	33	34	37	31	29	30	28	32	32	50	74	92	102	111	95	87	92	87	94	90
Page	145	167	179	183	208	198	202	209	208	220	222	366	408	455	483	554	517	543	568	573	592	582
Palo Alto	30	45	44	54	71	66	70	66	68	71	75	77	108	109	143	190	192	211	194	200	200	215
Plymouth	81	90	98	103	110	95	96	108	98	110	111	199	209	233	247	268	237	237	271	257	293	304
Pocahontas	48	49	48	48	62	61	73	67	60	51	55	126	130	125	132	174	167	193	190	148	132	150
Polk	3490	3938	4458	5114	5801	5654	5681	5348	4919	4717	4805	8944	10255	11616	13471	15616	15220	15308	14605	13706	12858	12992
Pottawattamie	921	1079	1252	1443	1640	1603	1549	1505	1393	1354	1398	2419	2826	3332	3872	4453	4385	4229	4123	3860	3695	3788
Poweshiek	99	113	123	143	174	155	156	146	131	120	131	254	277	314	376	458	401	398	394	366	326	360
Ringgold	38	45	51	52	52	51	51	51	56	64	63	96	113	127	135	135	126	126	138	145	170	175
Sac	47	57	71	80	91	82	88	83	78	81	76	119	146	186	201	231	214	230	219	217	215	193
Scott	2212	2578	2997	3347	3605	3475	3426	3274	3123	3071	3134	5828	6837	8006	8967	9693	9445	9440	9173	8899	8640	8759
Shelby	60	71	84	82	76	73	69	76	75	67	80	147	172	212	212	196	189	185	201	200	179	218
Sioux	60	72	88	91	96	80	81	79	78	94	92	152	186	232	236	245	205	220	221	223	264	267
Story	253	287	354	401	401	379	377	354	335	331	338	632	718	888	1015	1022	956	964	915	882	861	877
Tama	86	107	119	130	152	169	193	178	170	171	188	203	282	320	346	399	441	514	487	461	448	484
Taylor	47	57	80	85	105	99	90	94	93	85	86	140	160	221	233	268	251	240	268	265	239	242
Union	95	126	168	185	179	189	188	188	191	207	205	225	324	435	488	480	499	501	509	529	578	559
Van Buren	46	50	47	59	72	76	72	70	71	72	77	136	142	129	161	195	220	199	203	213	196	213
Wapello	526	557	621	651	698	693	703	679	664	693	710	1334	1431	1597	1663	1837	1792	1830	1778	1772	1847	1897
Warren	193	228	253	329	377	350	332	306	287	280	274	477	561	613	808	942	869	830	784	734	723	718
Washington	106	109	126	125	153	145	146	145	149	134	149	271	281	328	326	394	379	394	386	410	380	427
Wayne	62	70	81	80	85	91	92	76	81	81	77	159	171	200	211	239	259	261	216	239	232	226
Webster	444	518	562	625	674	682	684	681	650	633	648	1127	1337	1445	1630	1808	1814	1825	1830	1752	1676	1727
Winnebago	32	47	53	62	84	70	68	67	71	58	50	73	120	141	163	227	191	180	183	195	160	135
Winneshiek	54	64	70	78	91	79	81	86	85	84	96	144	156	166	192	218	198	212	235	230	229	261
Woodbury	925	1016	1140	1305	1538	1652	1757	1726	1665	1635	1716	2368	2609	2918	3441	4155	4498	4828	4859	4739	4564	4772
Worth	21	29	33	47	58	63	60	54	55	51	59	53	69	85	132	154	168	153	146	148	140	157
Wright	64	80	94	118	124	121	133	123	118	117	121	162	199	244	306	336	315	357	337	322	316	318
State of Iowa	22393	25350	28683	31967	35679	34793	34666	33515	32259	32245	33198	57348	65197	73937	83448	94568	92685	92638	90931	88573	87362	89702

Table 2. Average Monthly Number of Unemployed-Parent Family Investment Program Cases and Recipients in Iowa's Counties, 1988-1998.

County	Avg. Monthly No. of Unemployed-Parent Family Investment Program Cases											Avg. Monthly No. of Unemployed-Parent Family Investment Program Recipients										
	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988
Adair	4	7	12	8	7	6	4	2	1	1	5	17	27	49	36	38	28	18	8	5	8	25
Adams	7	8	9	10	13	12	10	8	5	5	6	30	34	35	38	52	50	44	39	25	21	27
Allamakee	9	10	7	7	9	4	2	6	3	5	6	35	41	27	24	36	14	12	30	12	21	22
Appanoose	34	46	47	54	60	46	46	39	33	31	51	129	183	191	217	254	196	190	159	137	128	199
Audubon	1	1	2	6	7	3	4	6	3	3	5	5	2	9	24	32	13	18	23	12	11	23
Benton	12	19	25	32	35	24	17	18	10	13	20	50	80	112	142	144	97	75	77	44	56	86
Black Hawk	126	145	154	162	179	135	124	135	140	179	275	506	580	620	663	737	563	516	553	601	746	1126
Boone	5	17	25	38	51	33	23	16	13	24	31	28	65	102	155	207	141	105	70	54	109	146
Bremer	10	12	16	16	20	12	14	18	16	12	23	39	51	63	63	78	46	51	74	70	51	94
Buchanan	12	25	34	35	45	22	19	24	25	33	57	48	101	144	158	192	88	81	99	111	143	253
Buena Vista	9	6	11	11	13	10	8	8	9	10	13	34	24	42	42	49	39	29	33	33	39	52
Butler	5	7	10	15	18	13	16	14	19	21	28	22	26	42	68	75	46	61	56	70	80	110
Calhoun	5	5	9	11	13	6	9	7	7	4	11	24	20	37	46	55	28	36	29	32	17	46
Carroll	2	5	8	7	8	5	5	6	6	6	5	7	19	31	27	39	25	19	23	24	25	16
Cass	8	5	17	25	28	11	12	11	9	5	8	29	19	67	102	119	45	56	46	37	18	37
Cedar	9	12	19	16	27	20	20	19	18	20	28	41	50	68	58	102	76	80	82	80	85	112
Cerro Gordo	30	33	49	55	66	40	37	36	28	23	35	115	133	196	221	265	172	162	150	117	95	140
Cherokee	3	3	6	6	9	4	3	2	2	1	4	12	14	22	21	32	14	11	8	9	6	17
Chickasaw	12	12	12	11	14	7	7	7	7	6	13	46	43	41	43	55	29	27	26	27	21	56
Clarke	10	13	20	23	19	10	15	15	10	7	11	51	59	82	97	83	43	61	60	45	30	45
Clay	7	8	8	10	13	7	6	7	8	5	12	28	29	33	39	57	34	24	24	30	19	45
Clayton	5	8	9	9	11	5	7	7	6	9	15	18	30	35	38	51	22	29	28	23	39	59
Clinton	62	75	97	104	123	70	67	76	67	71	95	246	298	372	386	472	269	273	306	277	286	385
Crawford	7	9	18	15	19	8	9	11	11	11	8	30	39	81	71	85	29	37	48	45	41	33
Dallas	5	9	18	28	36	19	19	15	14	14	16	19	39	71	111	144	71	72	63	57	57	62
Davis	5	7	7	10	7	6	6	9	9	13	19	19	24	27	37	26	17	20	36	38	50	77
Decatur	9	13	20	21	24	10	13	11	7	8	9	38	48	77	83	97	36	51	43	27	29	38
Delaware	18	13	14	18	21	12	13	11	15	24	34	76	60	64	78	81	49	60	51	69	109	146
Des Moines	56	56	66	66	75	54	42	43	45	40	33	221	224	268	262	298	213	157	185	191	170	138
Dickinson	6	10	16	16	12	7	5	6	5	9	8	29	41	72	69	45	27	19	25	22	38	37
Dubuque	42	65	80	78	99	64	62	74	75	89	125	184	267	322	328	414	255	252	314	331	390	570
Emmet	3	5	7	11	16	14	13	12	10	11	13	10	21	28	51	69	55	51	52	48	48	60
Fayette	25	34	39	36	38	31	28	25	25	30	43	101	142	159	152	164	131	117	103	104	125	181

Table 2. Average Monthly Number of Unemployed-Parent Family Investment Program Cases and Recipients in Iowa's Counties, 1988-1998 (continued).

County	Avg. Monthly No. of Unemployed-Parent Family Investment Program Cases											Avg. Monthly No. of Unemployed-Parent Family Investment Program Recipients										
	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988
Fayette	25	34	39	36	38	31	28	25	25	30	43	101	142	159	152	164	131	117	103	104	125	181
Floyd	13	23	26	44	44	26	24	21	20	18	30	52	93	107	183	177	104	99	85	79	76	127
Franklin	4	5	10	14	15	5	10	11	10	12	7	17	21	34	51	60	24	40	42	41	46	27
Fremont	13	15	18	17	14	7	7	7	3	5	5	53	63	77	70	58	30	29	28	12	20	21
Greene	4	6	12	17	16	14	11	11	7	5	9	19	24	49	74	64	53	44	41	28	23	37
Grundy	6	7	6	9	7	6	7	8	7	9	12	20	25	22	40	31	24	26	39	28	38	46
Guthrie	5	7	14	12	15	10	7	5	6	8	12	24	29	52	52	62	45	27	19	25	31	46
Hamilton	8	9	12	15	23	15	16	18	12	8	10	32	34	47	61	94	67	78	79	51	35	46
Hancock	3	2	2	3	7	3	5	8	5	2	6	10	8	7	12	30	12	20	32	22	11	23
Hardin	8	12	21	23	30	11	11	12	8	10	15	32	46	73	84	125	48	46	51	35	43	65
Harrison	4	10	18	18	28	17	13	16	14	8	14	15	38	74	73	123	73	54	69	60	30	50
Henry	11	13	21	24	33	20	18	19	18	13	15	41	48	79	95	134	80	72	79	71	58	63
Howard	2	1	2	3	7	6	6	8	7	4	4	7	4	10	13	32	26	25	33	27	14	15
Humboldt	4	8	6	8	7	6	7	7	11	6	6	17	32	18	30	30	22	29	30	50	24	25
Ida	2	2	3	3	3	0	0	1	0	0	1	10	10	11	11	12	2	0	2	1	0	4
Iowa	3	1	6	6	9	6	5	5	4	2	3	11	3	27	25	36	19	21	22	17	10	13
Jackson	10	20	23	28	41	32	27	32	28	39	61	40	81	93	114	164	135	113	136	122	170	269
Jasper	23	23	28	37	44	23	17	15	22	19	26	89	91	105	145	170	91	66	57	92	76	105
Jefferson	17	24	28	42	48	33	28	23	22	19	22	72	99	105	159	192	136	112	92	91	79	93
Johnson	38	45	56	50	46	25	19	17	17	13	17	153	177	210	197	173	96	73	73	72	49	68
Jones	14	15	18	23	24	16	16	14	12	12	16	55	64	73	98	98	60	62	57	52	48	64
Keokuk	10	14	18	21	19	15	17	19	19	17	21	43	60	74	82	81	65	77	83	81	71	85
Kossuth	10	9	15	16	18	13	12	10	12	10	10	41	35	58	67	84	53	50	49	54	46	37
Lee	48	55	61	75	101	61	51	53	45	46	62	182	212	242	295	398	249	212	209	180	186	256
Linn	120	136	142	173	200	126	130	140	114	109	183	518	577	587	704	832	523	550	586	497	455	782
Louisa	14	19	23	22	27	16	17	20	17	18	15	59	79	97	88	111	68	67	81	69	76	64
Lucas	14	21	24	23	30	12	12	12	13	14	17	57	85	92	92	119	51	51	51	50	53	66
Lyon	2	3	4	4	1	1	1	0	0	2	4	5	9	13	17	5	4	2	0	0	7	18
Madison	2	5	8	12	11	6	9	5	4	7	5	10	18	31	50	47	25	35	23	17	30	24
Mahaska	26	35	33	24	30	26	36	33	31	20	24	106	133	129	85	115	101	142	133	128	81	91
Marion	11	17	29	41	43	30	25	26	22	22	36	42	71	110	168	171	120	95	98	80	87	149
Marshall	27	35	42	54	58	45	42	35	32	25	38	107	141	159	205	229	175	162	141	135	105	158
Mills	7	15	27	25	22	10	13	10	12	8	13	29	58	103	98	89	41	56	42	47	32	59
Mitchell	2	3	4	4	4	4	2	3	2	2	6	10	13	17	16	11	15	8	10	9	11	27

Table 2. Average Monthly Number of Unemployed-Parent Family Investment Program Cases and Recipients in Iowa's Counties, 1988-1998 (continued).

County	Avg. Monthly No. of Unemployed-Parent Family Investment Program Cases											Avg. Monthly No. of Unemployed-Parent Family Investment Program Recipients										
	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988
Monona	4	7	9	6	12	9	12	16	11	11	16	16	26	34	26	52	40	49	64	46	47	67
Monroe	6	10	15	20	18	15	12	11	10	15	26	22	41	61	81	76	60	49	43	38	58	100
Montgomery	15	20	21	21	27	15	11	8	7	6	10	58	82	84	82	106	62	39	28	28	23	41
Muscatine	51	86	95	103	109	75	66	73	79	77	96	210	348	377	422	472	320	280	318	344	323	402
O'Brien	5	7	10	14	10	7	10	3	1	1	3	19	33	40	60	42	29	40	13	5	7	17
Osceola	1	2	4	3	3	2	1	2	2	2	3	4	8	18	13	13	10	6	8	9	6	13
Page	31	30	36	32	42	31	26	24	16	21	26	131	120	140	124	167	120	100	89	64	86	99
Palo Alto	2	5	7	10	10	7	4	4	5	4	7	8	24	28	45	39	25	17	20	24	18	28
Plymouth	7	8	9	9	9	4	4	3	3	6	13	26	30	34	36	35	15	16	13	14	26	53
Pocahontas	3	7	9	11	7	8	5	4	8	5	3	14	30	32	43	29	31	18	17	34	25	13
Polk	206	279	316	332	332	150	162	158	137	135	148	869	1169	1292	1379	1419	657	696	678	619	598	629
Pottawattamie	72	89	103	115	137	84	81	68	45	35	35	286	367	397	461	540	341	330	285	206	150	154
Poweshiek	12	14	21	20	15	10	16	12	8	8	13	43	53	79	79	62	44	69	51	34	35	59
Ringgold	6	6	12	15	16	8	7	6	4	7	13	21	23	47	59	67	35	29	27	19	30	51
Sac	8	10	12	12	16	8	7	5	4	5	6	30	43	48	52	63	35	31	23	15	21	25
Scott	141	183	229	274	283	187	156	165	181	196	249	579	755	950	1122	1204	795	666	717	813	845	1052
Shelby	5	4	7	13	15	7	8	6	8	4	6	20	15	24	49	56	23	32	27	34	13	24
Sioux	7	6	10	11	5	2	5	4	4	3	4	31	21	38	42	20	8	22	15	17	20	28
Story	31	55	66	70	76	31	28	29	15	11	15	118	222	256	273	302	124	107	113	60	45	56
Tama	4	9	12	13	17	12	12	15	9	6	8	15	34	50	50	69	45	49	62	38	27	31
Taylor	11	13	14	10	11	5	4	7	9	10	11	45	53	63	46	49	21	18	29	40	36	45
Union	15	19	24	22	26	15	16	17	11	13	17	62	81	100	91	108	62	63	68	45	56	69
Van Buren	6	10	11	7	9	8	6	7	8	9	12	27	45	50	36	35	32	24	29	38	40	57
Wapello	74	99	95	103	112	82	88	94	78	83	126	292	396	387	410	433	326	358	377	315	334	514
Warren	12	11	16	21	22	12	17	17	19	18	24	51	45	68	92	90	51	74	74	82	75	95
Washington	17	15	17	19	20	11	6	10	10	10	20	70	54	66	77	80	44	27	49	39	40	87
Wayne	8	13	17	13	14	9	8	6	8	10	14	33	57	71	62	59	35	33	26	32	41	54
Webster	26	43	58	73	86	63	52	52	47	46	45	101	173	238	311	363	267	219	226	216	190	180
Winnebago	3	7	7	7	7	5	5	4	5	5	7	9	25	28	27	28	18	17	16	18	18	28
Winneshiek	7	10	11	13	16	14	13	7	10	11	20	26	39	44	53	61	55	51	27	42	47	88
Woodbury	47	66	64	64	79	50	55	60	47	37	50	204	294	265	268	346	211	238	266	213	155	220
Worth	2	3	6	8	7	8	5	6	7	6	6	11	11	23	27	26	29	19	23	30	27	25
Wright	7	11	14	11	16	9	10	13	7	3	5	33	48	56	44	73	38	40	58	30	13	20
State of Iowa	1898	2469	3000	3336	3741	2334	2222	2244	2033	2072	2837	7747	10073	12055	13539	15382	9595	9181	9371	8724	8705	11906

Table 3. Total Annual Regular and Unemployed-Parent Family Investment Program Payments (in \$1,000s) in Iowa's Counties, 1988-1998.

County	Total Annual Regular FIP Payments (in \$1,000s)											Total Annual Unemployed-Parent FIP Payments (in \$1,000s)										
	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988
Adair	149	191	205	213	205	242	249	230	206	164	188	16	34	57	40	37	33	20	9	6	6	24
Adams	113	134	190	190	234	201	215	193	169	183	197	31	39	40	47	61	59	53	45	33	28	30
Allamakee	192	267	321	374	369	367	357	268	313	338	360	36	41	31	30	43	16	13	37	16	28	29
Appanoose	827	978	1039	1110	1145	1191	1289	1352	1333	1379	1370	130	205	211	236	283	239	241	206	169	153	233
Audubon	120	107	124	143	164	155	171	188	158	148	156	6	2	10	24	31	16	20	24	15	15	25
Benton	520	591	606	721	909	935	983	974	1016	856	879	50	77	103	136	157	117	85	90	53	60	99
Black Hawk	7047	7998	9085	9997	11098	11040	11091	11232	11210	11503	11436	539	642	667	731	840	692	627	702	732	913	1351
Boone	494	631	767	911	1074	1137	1106	1011	900	971	991	25	62	117	178	239	178	136	86	67	136	172
Bremer	301	348	450	552	662	615	521	555	523	514	559	42	48	65	65	83	54	68	90	89	62	116
Buchanan	556	590	705	796	915	991	1048	1097	1035	1052	1058	39	97	153	171	196	107	101	120	140	167	294
Buena Vista	440	492	499	577	627	652	664	575	540	523	583	34	23	46	48	57	50	37	44	42	46	57
Butler	267	320	371	431	466	439	532	600	540	500	511	26	25	38	73	85	61	81	69	95	102	129
Calhoun	168	188	254	290	376	372	391	389	358	416	415	18	14	33	39	51	32	47	37	39	19	53
Carroll	293	335	411	498	528	541	516	522	505	511	465	8	21	34	32	39	27	23	31	26	27	22
Cass	321	414	509	631	738	747	646	619	600	569	520	30	14	66	98	106	44	64	57	45	19	40
Cedar	306	356	398	469	545	508	524	525	528	501	476	37	51	73	58	89	93	104	107	100	106	125
Cerro Gordo	1166	1350	1692	1944	2311	2376	2415	2371	2361	2250	2227	114	141	193	215	300	209	196	191	142	117	164
Cherokee	193	247	321	382	454	385	382	420	360	364	374	14	14	26	26	39	19	15	11	11	7	23
Chickasaw	162	236	250	311	376	341	313	317	336	372	367	56	47	46	43	61	34	32	31	33	22	63
Clarke	293	364	456	536	565	483	459	410	446	399	429	51	63	93	118	102	54	74	74	49	38	53
Clay	350	366	415	507	584	640	684	704	653	711	720	22	24	36	45	62	40	31	32	41	28	52
Clayton	155	192	223	287	367	402	471	493	463	508	517	21	35	37	36	56	26	39	39	30	49	74
Clinton	2154	2488	2846	3325	3765	4001	3858	3820	3704	3521	3317	242	315	406	416	522	339	350	396	333	349	443
Crawford	458	531	647	778	811	754	723	741	702	692	671	31	37	100	72	87	42	51	66	54	53	42
Dallas	595	683	856	1121	1265	1319	1331	1232	1212	1245	1175	22	43	70	122	166	98	98	86	77	72	74
Davis	191	241	242	342	391	404	385	375	429	435	416	24	31	33	41	29	23	28	48	49	64	92
Decatur	307	359	417	416	502	525	536	499	438	411	416	44	50	85	91	105	44	66	57	36	39	50
Delaware	299	355	433	444	472	524	529	533	586	620	704	72	64	70	77	85	58	71	56	80	115	169
Des Moines	2269	2390	2496	2738	3110	3244	3155	3091	3017	2806	2726	228	244	271	295	342	262	195	222	233	201	158
Dickinson	258	276	300	362	386	314	339	390	397	452	450	23	41	74	67	57	35	25	31	24	40	40
Dubuque	2168	2167	2272	2457	3123	3270	3304	3286	3403	3537	3746	163	254	308	314	427	296	296	376	396	463	641
Emmet	207	221	252	306	420	441	440	461	499	499	521	15	19	25	45	73	65	62	60	55	59	68
Fayette	659	773	908	901	1077	1154	1092	1051	897	852	818	116	152	166	158	177	163	150	136	123	157	225

Table 3. Total Annual Regular and Unemployed-Parent Family Investment Program Payments (in \$1,000s) in Iowa's Counties, 1988-1998 (continued).

County	Total Annual Regular FIP Payments (in \$1,000s)											Total Annual Unemployed-Parent FIP Payments (in \$1,000s)										
	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988
Floyd	529	542	623	739	900	842	820	848	861	862	790	56	90	116	201	195	127	125	106	105	88	140
Franklin	187	245	265	319	378	344	370	353	347	396	388	18	22	34	52	57	25	47	53	48	56	35
Fremont	252	294	357	442	506	470	399	373	359	389	390	48	62	70	60	50	35	34	34	14	24	25
Greene	251	269	327	404	442	391	351	350	352	341	366	15	25	57	81	69	68	51	54	32	29	44
Grundy	139	167	211	223	234	292	309	306	289	245	233	22	31	26	45	35	29	29	44	38	49	55
Guthrie	185	202	284	359	463	490	495	452	403	426	454	25	28	56	61	66	52	34	25	31	40	56
Hamilton	284	320	367	447	603	622	577	572	484	492	559	33	40	46	58	100	80	90	94	61	40	54
Hancock	178	204	245	269	371	377	377	323	334	339	330	12	9	8	12	32	14	23	38	29	11	25
Hardin	378	505	562	695	878	864	799	717	691	656	676	34	54	87	105	135	63	58	60	40	50	72
Harrison	412	495	532	601	667	700	734	684	649	636	681	19	42	73	69	112	79	66	77	75	38	63
Henry	449	546	615	728	858	852	781	714	684	678	640	43	43	78	97	141	94	82	91	89	64	76
Howard	114	143	144	176	228	244	279	230	241	283	264	9	3	10	15	34	30	29	39	38	18	17
Humboldt	168	201	232	245	285	325	310	286	281	306	370	17	30	19	31	30	28	39	40	60	26	32
Ida	116	134	144	169	154	167	186	171	115	141	173	6	9	11	9	9	1	0	3	1	0	4
Iowa	176	207	260	260	328	298	279	280	298	257	293	12	3	25	27	36	25	26	26	21	12	15
Jackson	438	552	623	734	923	885	871	958	953	904	973	33	87	105	120	181	167	132	168	155	202	312
Jasper	697	773	950	1119	1238	1396	1328	1297	1211	1211	1278	106	94	113	161	197	112	85	77	109	96	122
Jefferson	505	577	599	673	788	754	748	789	733	683	583	81	100	114	162	214	169	141	119	113	99	110
Johnson	1612	1919	2122	2264	2463	2353	2126	1996	1956	1899	1943	164	182	235	221	195	118	94	90	85	58	79
Jones	369	448	524	620	654	658	616	604	617	679	761	58	67	77	103	94	74	76	68	66	58	77
Keokuk	376	442	464	468	561	623	589	654	600	612	531	38	57	77	96	87	73	86	95	104	89	100
Kossuth	276	302	333	412	507	503	497	499	481	406	422	42	38	53	60	74	52	60	52	58	52	43
Lee	1942	2192	2276	2362	2918	2984	3066	3137	2943	2728	2759	195	224	248	277	420	314	267	271	227	227	307
Linn	5347	5967	6690	7253	8577	8724	8803	8763	8391	8190	8483	526	580	613	717	870	622	649	712	597	552	933
Louisa	420	502	545	674	750	744	750	684	621	568	605	56	88	100	109	134	86	82	107	91	91	79
Lucas	422	494	559	614	600	538	568	571	538	501	506	66	99	112	110	135	59	63	57	60	62	77
Lyon	132	144	200	210	221	218	184	162	181	186	218	7	13	14	16	6	5	3	0	0	8	19
Madison	145	178	234	312	396	404	403	451	428	452	423	11	21	32	51	45	32	46	26	19	37	23
Mahaska	789	867	914	1021	1168	1154	1199	1209	1176	1159	1097	117	154	137	92	124	130	191	178	163	107	115
Marion	528	555	721	931	1155	1184	1128	1040	1016	992	987	39	68	116	192	192	156	125	130	106	113	180
Marshall	1501	1673	1786	1950	2370	2421	2400	2159	2034	1967	1895	107	166	173	222	237	221	211	173	174	133	191
Mills	463	576	651	736	804	689	628	576	580	566	589	32	56	98	98	91	45	69	49	61	37	66
Mitchell	104	136	149	169	236	241	259	247	196	222	256	11	11	17	18	16	20	10	15	10	15	31

Table 3. Total Annual Regular and Unemployed-Parent Family Investment Program Payments (in \$1,000s) in Iowa's Counties, 1988-1998 (continued).

County	Total Annual Regular FIP Payments (in \$1,000s)											Total Annual Unemployed-Parent FIP Payments (in \$1,000s)										
	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988
Monona	171	197	232	306	420	467	537	582	537	474	517	16	29	44	32	55	53	60	79	58	57	75
Monroe	223	268	320	413	523	491	502	559	542	542	563	23	38	59	86	83	76	62	53	47	72	124
Montgomery	447	542	510	559	591	661	665	628	552	482	471	62	82	84	81	103	70	55	40	35	31	46
Muscatine	1735	2049	2253	2548	2798	2795	2841	2840	2791	2678	2591	197	373	435	451	506	379	349	393	432	395	493
O'Brien	218	228	248	306	327	335	334	301	276	287	333	20	29	41	58	38	30	44	16	7	7	18
Osceola	64	106	132	139	163	146	140	141	125	134	124	4	9	18	12	16	12	8	11	12	6	12
Page	548	618	670	716	837	825	868	913	890	915	887	133	114	141	133	167	147	116	118	73	105	123
Palo Alto	116	162	159	211	292	297	317	299	314	300	301	5	21	25	40	38	34	22	24	26	22	35
Plymouth	296	312	342	377	414	401	395	451	408	462	448	24	27	38	32	35	17	21	18	14	33	61
Pocahontas	180	198	189	189	258	267	317	303	241	200	219	16	35	36	53	30	38	22	22	39	29	13
Polk	13833	15827	17992	21317	25235	25424	25712	24517	22482	20561	20187	874	1249	1405	1513	1578	818	877	883	778	730	749
Pottawattamie	3700	4343	5066	5939	6924	7026	6840	6686	6181	5776	5735	312	393	431	475	576	413	412	359	249	178	175
Poweshiek	396	434	482	564	725	670	661	642	586	498	531	50	66	93	94	69	56	87	63	39	34	64
Ringgold	149	166	195	198	211	209	220	232	240	273	274	24	21	48	58	80	48	40	37	25	35	66
Sac	165	202	272	301	364	349	371	354	339	330	303	29	45	39	47	62	41	37	28	20	26	30
Scott	8509	10205	12130	13947	15617	15634	15564	15068	14370	13684	13571	616	760	961	1219	1330	982	823	915	1009	1037	1257
Shelby	209	258	318	329	314	300	299	324	310	273	301	24	18	28	54	67	28	39	34	43	16	25
Sioux	228	270	346	341	363	342	355	350	333	399	377	37	22	42	52	25	10	27	22	21	16	19
Story	1005	1121	1413	1654	1706	1639	1652	1575	1496	1464	1451	113	218	265	290	309	150	140	144	74	63	90
Tama	325	420	480	515	621	716	838	783	740	701	752	13	34	54	53	70	54	61	75	49	34	42
Taylor	194	228	300	315	418	417	385	425	411	365	357	46	49	57	44	53	22	23	37	43	44	56
Union	357	497	680	763	762	831	831	833	824	921	870	61	81	99	80	101	71	81	91	57	65	92
Van Buren	193	203	184	245	312	354	326	327	334	311	326	30	49	52	38	34	41	33	38	48	47	67
Wapello	2071	2257	2496	2613	2940	3001	3082	3005	2880	2947	2944	334	446	435	440	493	405	437	475	402	416	617
Warren	701	822	895	1266	1511	1499	1425	1320	1229	1198	1163	47	46	67	88	87	60	95	89	100	94	110
Washington	389	410	484	465	614	610	639	622	627	569	615	67	62	67	78	72	52	34	58	52	50	108
Wayne	249	265	327	320	350	402	400	337	377	345	322	38	60	74	61	65	40	40	30	37	54	71
Webster	1670	2047	2182	2513	2827	2967	2992	2989	2823	2608	2609	95	170	218	323	400	318	266	262	259	224	206
Winnebago	110	180	207	237	346	307	295	288	309	242	201	12	32	28	30	33	27	25	18	21	21	34
Winneshiek	216	240	279	303	359	313	333	370	371	355	406	28	36	46	45	57	63	62	35	50	57	106
Woodbury	3558	3997	4505	5273	6452	7243	7785	7796	7452	7089	7289	219	307	299	283	350	259	293	324	253	183	258
Worth	82	102	120	187	247	282	264	231	239	207	236	9	10	23	27	27	39	26	25	36	26	25
Wright	236	292	358	468	514	469	562	551	519	495	492	31	45	55	46	69	48	47	70	41	15	23
State of Iowa	86428	99416	113236	129496	150015	152185	152698	149622	143031	138255	138441	7988	10543	12742	14349	16580	11733	11388	11721	10763	10562	14099

Table 4. Average and Adjusted (in 1998 \$s) Monthly Regular Family Investment Program Payments Per Person in Iowa's Counties, 1988-1998.

County	Average Regular FIP Payments Per Person											Adjusted (in 1998 \$s) Regular FIP Payments Per Person										
	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	
Adair	125	123	121	129	126	134	131	132	129	133	121	125	125	138	138	151	151	157	160	173	165	
Adams	125	118	115	115	122	131	125	132	123	129	124	120	119	123	134	147	144	157	152	168	169	
Allamakee	118	122	132	132	130	133	133	125	128	128	125	124	137	141	143	150	154	149	158	167	171	
Appanoose	127	132	130	134	139	140	137	138	139	136	129	134	135	143	152	157	158	164	172	177	176	
Audubon	123	124	123	130	121	126	124	126	122	123	122	126	127	139	133	142	143	150	151	160	167	
Benton	130	128	129	128	132	136	136	136	132	132	129	130	134	136	145	153	157	162	163	172	176	
Black Hawk	126	128	130	131	132	136	136	136	133	131	128	130	135	140	145	153	157	162	165	171	175	
Boone	127	127	128	128	136	140	141	143	140	141	136	129	133	136	149	157	163	170	173	184	186	
Bremer	129	130	122	125	129	135	138	138	138	133	125	132	126	133	141	152	159	164	171	173	171	
Buchanan	125	126	127	126	126	133	135	135	136	133	127	128	132	134	138	150	156	161	168	173	173	
Buena Vista	120	129	126	128	133	136	137	136	137	134	132	131	131	136	146	153	158	162	170	175	180	
Butler	117	116	122	126	131	134	132	133	134	129	126	118	126	134	144	151	153	158	166	168	172	
Calhoun	124	118	122	121	127	137	136	136	128	124	124	120	126	129	139	154	157	162	158	161	169	
Carroll	122	118	122	129	129	133	133	133	132	132	126	120	126	138	141	150	154	158	165	172	172	
Cass	122	121	122	126	126	128	132	139	134	129	127	123	126	134	138	144	153	165	166	168	173	
Cedar	127	126	129	132	131	137	139	137	131	132	130	128	134	141	144	154	161	163	162	172	177	
Cerro Gordo	127	127	130	133	135	140	139	139	136	132	130	129	135	142	148	157	161	165	168	172	177	
Cherokee	130	125	127	128	132	134	127	128	130	128	126	127	132	136	145	151	147	152	161	167	172	
Chickasaw	128	128	123	126	131	137	135	136	131	133	128	130	127	134	144	154	156	162	162	173	175	
Clarke	125	125	126	130	132	133	130	137	132	126	122	127	131	139	145	150	150	163	163	164	167	
Clay	126	126	127	134	134	140	135	140	134	134	132	128	132	143	147	157	156	167	166	175	180	
Clayton	114	123	131	125	131	138	137	134	127	129	124	125	136	133	144	155	158	159	157	168	169	
Clinton	123	129	131	132	137	141	142	140	139	134	130	131	136	141	150	158	164	167	172	175	177	
Crawford	121	129	130	132	131	135	132	134	133	132	129	131	135	141	144	152	153	159	165	172	176	
Dallas	129	133	134	133	138	144	142	139	136	134	128	135	139	142	151	162	164	165	168	175	175	
Davis	132	128	125	131	129	138	135	140	132	134	127	130	129	140	141	155	156	167	163	175	173	
Decatur	126	121	117	120	128	136	140	141	138	133	124	123	121	128	140	153	162	168	171	173	169	
Delaware	120	125	125	122	121	126	130	129	127	125	120	127	129	130	133	142	150	153	157	163	164	
Des Moines	124	127	129	130	134	137	138	137	133	130	127	129	134	139	147	154	159	163	165	169	173	
Dickinson	129	134	134	135	135	133	141	140	140	131	124	136	139	144	148	150	163	167	173	171	169	
Dubuque	122	122	123	127	131	136	136	136	136	136	135	124	127	135	144	153	157	162	168	177	184	
Emmet	129	125	118	122	136	135	134	128	130	126	122	127	122	130	149	152	155	152	161	164	167	
Fayette	125	127	129	131	130	134	134	134	130	129	128	129	134	140	143	151	155	159	161	168	175	

Table 4. Average and Adjusted (in 1998 \$s) Monthly Regular Family Investment Program Payments Per Person in Iowa's Counties, 1988-1998 (continued).

County	Average Regular FIP Payments Per Person											Adjusted (in 1998 \$s) Regular FIP Payments Per Person										
	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	
Floyd	124	124	126	130	129	135	136	137	135	130	129	126	131	139	141	152	157	163	167	169	176	
Franklin	118	127	121	120	127	133	139	139	133	132	133	129	125	128	139	150	161	165	165	172	182	
Fremont	116	119	120	124	124	132	130	132	129	128	124	121	124	132	136	148	150	157	160	167	169	
Greene	126	122	130	131	130	131	134	136	133	131	123	124	135	140	143	147	155	162	165	171	168	
Grundy	127	123	129	137	134	135	139	141	138	133	127	125	134	146	147	152	161	168	171	173	173	
Guthrie	123	121	121	128	126	133	134	134	129	128	119	123	125	136	138	150	155	159	160	167	162	
Hamilton	127	124	131	136	136	138	140	140	135	127	125	126	136	145	149	155	162	167	167	165	171	
Hancock	124	129	118	120	127	134	134	135	138	136	130	131	122	128	139	151	155	161	171	177	177	
Hardin	123	128	125	130	130	137	139	140	142	138	128	130	129	139	143	154	161	167	176	180	175	
Harrison	121	122	126	126	125	129	131	128	132	124	125	124	131	134	137	145	151	152	163	161	171	
Henry	125	123	126	126	127	134	136	134	132	127	129	125	131	134	139	151	157	159	163	165	176	
Howard	115	106	117	120	121	132	131	134	130	131	129	107	121	128	133	148	151	159	161	171	176	
Humboldt	119	134	121	116	113	126	130	136	138	129	127	136	125	124	124	142	150	162	171	168	173	
Ida	106	110	118	128	127	135	130	126	128	123	123	111	122	136	139	152	150	150	158	160	168	
Iowa	115	128	119	120	120	132	142	141	138	135	131	130	123	128	132	148	164	168	171	176	179	
Jackson	123	125	127	129	134	138	140	139	138	134	131	127	132	138	147	155	162	165	171	175	179	
Jasper	129	127	127	131	135	141	138	138	137	131	128	129	132	140	148	158	159	164	170	171	175	
Jefferson	128	132	131	130	133	137	143	141	136	136	128	134	136	139	146	154	165	168	168	177	175	
Johnson	127	130	130	132	132	137	140	150	137	139	137	132	135	141	145	154	162	178	170	181	187	
Jones	119	126	129	130	129	133	136	137	132	130	126	128	134	139	141	150	157	163	163	169	172	
Keokuk	122	123	125	129	130	135	142	140	132	126	120	125	129	138	143	152	164	167	163	164	164	
Kossuth	120	125	120	123	128	133	131	137	134	132	127	127	124	131	140	150	151	163	166	172	173	
Lee	129	131	126	126	130	134	135	135	134	130	127	133	131	134	143	151	156	161	166	169	173	
Linn	126	127	129	128	132	137	139	139	136	135	133	129	134	136	145	154	161	165	168	176	182	
Louisa	128	128	122	130	133	134	135	134	134	130	127	130	126	139	146	151	156	159	166	169	173	
Lucas	130	133	132	131	134	137	140	138	140	132	124	135	137	140	147	154	162	164	173	172	169	
Lyon	125	127	121	128	127	127	119	121	115	123	127	129	125	136	139	143	138	144	142	160	173	
Madison	115	131	131	127	126	138	141	140	136	131	126	133	136	135	138	155	163	167	168	171	172	
Mahaska	127	130	129	134	137	141	144	138	136	135	128	132	134	143	150	158	166	164	168	176	175	
Marion	121	116	119	123	132	136	136	138	137	133	134	118	123	131	145	153	157	164	170	173	183	
Marshall	125	128	127	129	130	136	139	137	137	134	132	130	132	138	143	153	161	163	170	175	180	
Mills	126	123	123	126	124	133	134	133	131	127	123	125	127	134	136	150	155	158	162	165	168	
Mitchell	129	126	126	137	135	139	141	135	138	139	134	128	131	146	148	156	163	161	171	181	183	

Table 4. Average and Adjusted (in 1998 \$s) Monthly Regular Family Investment Program Payments Per Person in Iowa's Counties, 1988-1998 (continued).

County	Average Regular FIP Payments Per Person											Adjusted (in 1998 \$s) Regular FIP Payments Per Person									
	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988
Monona	122	123	118	122	130	133	134	136	135	124	123	125	122	130	143	150	155	162	167	161	168
Monroe	126	125	126	125	127	134	134	135	130	127	126	127	131	133	139	151	155	161	161	165	172
Montgomery	129	130	128	124	132	141	140	141	137	131	130	132	133	132	145	158	162	168	170	171	177
Muscatine	131	133	136	133	134	136	135	135	134	130	127	135	141	142	147	153	156	161	166	169	173
O'Brien	123	129	121	124	125	132	132	135	132	130	121	131	125	132	137	148	153	161	163	169	165
Osceola	106	119	120	114	122	128	134	127	120	119	114	121	124	122	134	144	155	151	148	155	156
Page	125	126	123	123	126	133	133	134	129	129	127	128	127	131	138	150	154	159	160	168	173
Palo Alto	126	125	122	123	128	129	125	128	131	125	117	127	126	131	140	145	144	152	162	163	160
Plymouth	124	125	122	127	129	141	139	139	132	131	123	127	126	135	141	158	161	165	163	171	168
Pocahontas	119	127	126	119	124	133	137	133	136	126	122	129	131	127	136	150	158	158	168	164	167
Polk	129	129	129	132	135	139	140	140	137	133	129	131	134	141	148	156	162	167	170	173	176
Pottawattamie	127	128	127	128	130	134	135	135	133	130	126	130	132	136	143	151	156	161	165	169	172
Poweshiek	130	131	128	125	132	139	138	136	134	127	123	133	133	133	145	156	159	162	166	165	168
Ringgold	130	122	128	122	130	139	146	140	138	134	131	124	133	130	143	156	169	167	171	175	179
Sac	116	115	122	125	131	136	134	135	130	128	131	117	126	133	144	153	155	161	161	167	179
Scott	122	124	126	130	134	138	137	137	135	132	129	126	131	139	147	155	158	163	167	172	176
Shelby	118	125	125	129	134	132	135	134	129	127	115	127	129	138	147	148	156	159	160	165	157
Sioux	125	121	124	120	123	139	135	132	124	126	118	123	128	128	135	156	156	157	153	164	161
Story	133	130	133	136	139	143	143	143	141	142	138	132	138	145	152	161	165	170	174	185	188
Tama	133	124	125	124	130	135	136	134	134	130	129	126	129	132	143	152	157	159	166	169	176
Taylor	116	119	113	113	130	139	134	132	129	127	123	121	117	120	143	156	155	157	160	165	168
Union	132	128	130	130	132	139	138	136	130	133	130	130	135	139	145	156	159	162	161	173	177
Van Buren	118	119	119	127	133	134	137	134	131	132	127	121	123	135	146	151	158	159	162	172	173
Wapello	129	131	130	131	133	140	140	141	135	133	129	133	135	140	146	157	162	168	167	173	176
Warren	122	122	122	131	134	144	143	140	139	138	135	124	126	140	147	162	165	167	172	180	184
Washington	120	121	123	119	130	134	135	134	127	125	120	123	127	127	143	151	156	159	157	163	164
Wayne	130	129	136	126	122	129	128	130	132	124	119	131	141	134	134	145	148	155	163	161	162
Webster	124	128	126	128	130	136	137	136	134	130	126	130	131	136	143	153	158	162	166	169	172
Winnebago	126	125	122	121	127	134	137	131	132	126	124	127	126	129	139	151	158	156	163	164	169
Winneshiak	125	128	140	132	137	132	131	131	134	129	130	130	145	141	150	148	151	156	166	168	177
Woodbury	125	128	129	128	129	134	134	134	131	129	127	130	134	136	141	151	155	159	162	168	173
Worth	129	123	118	118	134	140	144	132	134	123	125	125	122	126	147	157	166	157	166	160	171
Wright	122	122	122	127	127	124	131	136	134	130	129	124	126	135	139	139	151	162	166	169	176
State of Iowa	126	127	128	129	132	137	137	137	135	132	129	129	133	138	145	154	158	163	167	172	176

Table 5. Average and Adjusted (in 1998 \$s) Monthly Unemployed-Parent Family Investment Program Payments Per Person in Iowa's Counties, 1988-1998.

County	Average Unemployed-Parent FIP Payments Per Person											Adjusted (in 1998 \$s) Average Unemployed-Parent FIP Payments Per Person										
	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	
Adair	79	104	96	92	82	99	91	92	103	66	81	105	99	98	90	111	105	109	127	86	111	
Adams	85	96	96	104	98	99	100	97	111	111	91	97	99	111	107	111	116	115	137	145	124	
Allamakee	85	83	95	105	99	97	88	102	111	112	110	84	98	112	109	109	102	121	137	146	150	
Appanoose	84	93	92	91	93	102	106	108	103	99	98	94	95	97	102	115	123	128	127	129	134	
Audubon	101	92	96	84	80	105	93	88	103	115	91	93	99	90	88	118	107	105	127	150	124	
Benton	83	80	77	80	91	101	94	97	101	90	96	81	80	85	100	114	109	115	125	117	131	
Black Hawk	89	92	90	92	95	102	101	106	102	102	100	93	93	98	104	115	117	126	126	133	137	
Boone	73	80	96	96	96	105	108	102	104	104	98	81	99	102	105	118	125	121	129	135	134	
Bremer	90	79	86	86	88	97	111	101	106	102	103	80	89	92	96	109	128	120	131	133	141	
Buchanan	69	80	88	90	85	101	104	101	105	98	97	81	91	96	93	114	120	120	130	128	132	
Buena Vista	84	79	92	95	97	107	107	112	107	98	92	80	95	101	106	120	124	133	132	128	126	
Butler	98	81	76	90	95	110	111	102	113	106	97	82	79	96	104	124	128	121	140	138	132	
Calhoun	61	59	74	71	77	94	109	107	101	95	97	60	77	76	84	106	126	127	125	124	132	
Carroll	98	94	92	98	84	89	99	114	92	89	112	95	95	104	92	100	114	136	114	116	153	
Cass	86	63	82	80	74	82	96	103	101	88	91	64	85	85	81	92	111	122	125	115	124	
Cedar	75	85	89	83	73	102	109	109	104	104	93	86	92	88	80	115	126	130	129	135	127	
Cerro Gordo	82	88	82	81	94	101	101	106	101	103	97	89	85	86	103	114	117	126	125	134	132	
Cherokee	94	85	98	103	102	110	110	116	104	97	115	86	102	110	112	124	127	138	129	126	157	
Chickasaw	101	92	93	84	93	98	99	101	102	88	93	93	96	90	102	110	114	120	126	115	127	
Clarke	84	89	94	101	103	105	101	103	91	106	99	90	97	108	113	118	117	122	113	138	135	
Clay	67	70	90	96	91	99	107	113	115	122	97	71	93	102	100	111	124	134	142	159	132	
Clayton	99	96	89	79	92	100	111	115	108	106	104	97	92	84	101	112	128	137	134	138	142	
Clinton	82	88	91	90	92	105	107	108	100	102	96	89	94	96	101	118	124	128	124	133	131	
Crawford	87	79	102	85	85	120	114	114	101	107	107	80	106	91	93	135	132	136	125	139	146	
Dallas	95	91	82	91	96	115	114	114	112	105	99	92	85	97	105	129	132	136	139	137	135	
Davis	105	108	103	93	93	112	116	112	108	106	100	109	107	99	102	126	134	133	134	138	137	
Decatur	97	87	92	91	90	101	109	110	110	112	109	88	95	97	99	114	126	131	136	146	149	
Delaware	79	89	91	82	87	98	98	91	96	88	96	90	94	87	95	110	113	108	119	115	131	
Des Moines	86	91	84	94	96	103	104	100	102	99	96	92	87	100	105	116	120	119	126	129	131	
Dickinson	67	83	85	81	106	110	109	102	92	87	91	84	88	86	116	124	126	121	114	113	124	
Dubuque	74	79	80	80	86	97	98	100	100	99	94	80	83	85	94	109	113	119	124	129	128	
Emmet	124	75	74	73	89	99	102	96	95	102	94	76	77	78	98	111	118	114	118	133	128	
Fayette	96	89	87	87	90	104	107	110	99	105	104	90	90	93	99	117	124	131	122	137	142	

Table 5. Average and Adjusted (in 1998 \$s) Monthly Unemployed-Parent Family Investment Program Payments Per Person in Iowa's Counties, 1988-1998 (continued).

County	Average Unemployed-Parent FIP Payments Per Person											Adjusted (in 1998 \$s) Average Unemployed-Parent FIP Payments Per Person										
	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	
Floyd	90	81	90	92	92	102	105	104	111	97	92	82	93	98	101	115	121	124	137	126	126	
Franklin	86	89	84	84	80	86	98	105	97	102	108	90	87	90	88	97	113	125	120	133	147	
Fremont	76	82	76	71	72	98	96	101	97	99	98	83	79	76	79	110	111	120	120	129	134	
Greene	67	86	98	91	89	106	96	109	97	106	99	87	102	97	98	119	111	130	120	138	135	
Grundy	92	103	98	93	94	101	94	94	114	107	100	104	102	99	103	114	109	112	141	139	137	
Guthrie	87	80	90	98	89	96	106	109	102	106	102	81	93	104	98	108	123	130	126	138	139	
Hamilton	85	98	82	79	89	100	97	99	99	95	98	99	85	84	98	112	112	118	122	124	134	
Hancock	99	90	95	82	89	101	97	99	108	85	92	91	98	87	98	114	112	118	134	111	126	
Hardin	88	97	99	104	90	109	105	98	96	96	92	98	103	111	99	123	121	117	119	125	126	
Harrison	107	91	82	78	76	90	101	93	104	106	106	92	85	83	83	101	117	111	129	138	145	
Henry	88	74	82	85	88	98	95	96	105	93	101	75	85	91	96	110	110	114	130	121	138	
Howard	109	64	84	97	89	96	96	98	117	105	96	65	87	103	98	108	111	117	145	137	131	
Humboldt	81	79	90	87	83	104	111	110	101	90	106	80	93	93	91	117	128	131	125	117	145	
Ida	51	78	83	70	62	62	a	117	108	a	90	79	86	75	68	70	a	139	134	a	123	
Iowa	90	91	79	90	83	110	102	100	102	100	99	92	82	96	91	124	118	119	126	130	135	
Jackson	69	89	94	88	92	103	97	103	106	99	97	90	97	94	101	116	112	122	131	129	132	
Jasper	99	86	90	93	96	102	107	112	98	106	97	87	93	99	105	115	124	133	121	138	132	
Jefferson	93	84	91	85	93	103	105	108	103	105	99	85	94	91	102	116	121	128	127	137	135	
Johnson	89	86	93	94	94	103	108	103	98	99	97	87	96	100	103	116	125	122	121	129	132	
Jones	88	87	88	87	80	103	102	100	105	100	100	88	91	93	88	116	118	119	130	130	137	
Keokuk	73	78	87	98	90	94	93	95	107	104	98	79	90	104	99	106	107	113	132	135	134	
Kossuth	85	91	77	75	73	82	99	89	89	94	97	92	80	80	80	92	114	106	110	122	132	
Lee	89	88	85	78	88	105	105	108	105	102	100	89	88	83	96	118	121	128	130	133	137	
Linn	85	84	87	85	87	99	98	101	100	101	99	85	90	91	95	111	113	120	124	132	135	
Louisa	80	93	86	103	100	106	103	110	110	100	103	94	89	110	110	119	119	131	136	130	141	
Lucas	96	97	101	100	94	97	103	92	100	98	97	98	105	107	103	109	119	109	124	128	132	
Lyon	113	116	93	76	101	104	124	a	a	91	89	118	96	81	111	117	143	a	a	119	121	
Madison	95	99	85	85	79	107	109	93	92	103	81	100	88	91	87	120	126	111	114	134	111	
Mahaska	92	97	89	90	90	108	112	112	106	110	105	98	92	96	99	121	129	133	131	143	143	
Marion	78	80	88	95	94	108	109	110	111	108	101	81	91	101	103	121	126	131	137	141	138	
Marshall	83	98	91	90	86	105	109	102	107	106	101	99	94	96	94	118	126	121	132	138	138	
Mills	91	80	79	83	85	92	103	97	108	97	93	81	82	88	93	103	119	115	134	126	127	
Mitchell	92	71	83	92	119	110	103	123	96	110	95	72	86	98	130	124	119	146	119	143	130	

^aNo payments of this kind were made this year.

Table 5. Average and Adjusted (in 1998 \$s) Monthly Unemployed-Parent Family Investment Program Payments Per Person in Iowa's Counties, 1988-1998 (continued).

County	Average Unemployed-Parent FIP Payments Per Person											Adjusted (in 1998 \$s) Average Unemployed-Parent FIP Payments Per Person										
	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	
Monona	83	92	108	103	88	110	102	103	104	101	94	93	112	110	96	124	118	122	129	132	128	
Monroe	86	78	81	88	91	105	105	104	102	103	103	79	84	94	100	118	121	124	126	134	141	
Montgomery	89	83	83	82	81	94	118	120	103	112	93	84	86	87	89	106	136	143	127	146	127	
Muscatine	78	89	96	89	89	99	104	103	105	102	102	90	99	95	98	111	120	122	130	133	139	
O'Brien	87	72	86	80	76	85	92	104	116	78	90	73	89	85	83	96	106	124	144	102	123	
Osceola	77	96	82	75	105	99	113	115	113	89	75	97	85	80	115	111	131	137	140	116	102	
Page	85	79	84	90	83	102	97	110	95	102	103	80	87	96	91	115	112	131	118	133	141	
Palo Alto	50	72	75	74	81	113	109	99	91	100	104	73	78	79	89	127	126	118	113	130	142	
Plymouth	78	74	92	75	84	95	111	117	85	107	96	75	95	80	92	107	128	139	105	139	131	
Pocahontas	98	98	93	103	87	102	104	106	94	97	84	99	96	110	95	115	120	126	116	126	115	
Polk	84	89	91	91	93	104	105	109	105	102	99	90	94	97	102	117	121	130	130	133	135	
Pottawattamie	91	89	90	86	89	101	104	105	101	99	95	90	93	92	98	114	120	125	125	129	130	
Poweshiek	96	103	98	99	92	106	105	102	95	80	91	104	102	106	101	119	121	121	118	104	124	
Ringgold	95	75	85	82	99	114	115	114	109	97	107	76	88	87	109	128	133	136	135	126	146	
Sac	80	88	67	75	83	97	100	100	113	103	100	89	69	80	91	109	116	119	140	134	137	
Scott	89	84	84	91	92	103	103	106	103	102	100	85	87	97	101	116	119	126	127	133	137	
Shelby	99	100	99	92	100	103	102	106	104	99	88	101	103	98	110	116	118	126	129	129	120	
Sioux	99	85	93	103	105	100	103	120	105	66	56	86	96	110	115	112	119	143	130	86	76	
Story	80	82	86	88	85	101	109	106	103	118	134	83	89	94	93	114	126	126	127	154	183	
Tama	74	83	90	89	84	99	103	101	107	105	113	84	93	95	92	111	119	120	132	137	154	
Taylor	85	77	75	79	90	89	105	105	89	102	104	78	78	84	99	100	121	125	110	133	142	
Union	82	83	82	74	78	96	107	111	105	97	111	84	85	79	86	108	124	132	130	126	152	
Van Buren	93	91	86	89	82	108	115	109	106	98	98	92	89	95	90	121	133	130	131	128	134	
Wapello	95	94	94	89	95	104	102	105	106	104	100	95	97	95	104	117	118	125	131	135	137	
Warren	77	85	82	80	81	98	107	100	101	105	97	86	85	85	89	110	124	119	125	137	132	
Washington	80	95	85	85	75	99	104	99	110	105	104	96	88	91	82	111	120	118	136	137	142	
Wayne	96	88	87	82	92	96	100	96	97	109	109	89	90	87	101	108	116	114	120	142	149	
Webster	78	82	76	87	92	99	101	97	100	98	95	83	79	93	101	111	117	115	124	128	130	
Winnebago	108	106	85	91	97	123	121	91	98	97	100	107	88	97	106	138	140	108	121	126	137	
Winneshiek	90	76	87	71	78	96	102	109	100	101	101	77	90	76	86	108	118	130	124	132	138	
Woodbury	90	87	94	88	84	102	103	101	99	98	98	88	97	94	92	115	119	120	122	128	134	
Worth	71	79	84	82	87	113	113	92	100	79	84	80	87	87	95	127	131	109	124	103	115	
Wright	79	78	82	87	79	105	99	101	114	95	95	79	85	93	87	118	114	120	141	124	130	
State of Iowa	86	87	88	88	90	102	103	104	103	101	99	88	91	94	99	115	119	124	127	132	135	

Declines from 1997 to 1998 in the number of recipients took place in 97 counties; 66 of these counties had decreases of less than 50. Seven declined by more than 200 persons; only Polk and Scott had decreases greater than 1,000. Increases in the number of recipients occurred in Audubon and O'Brien between 1997 and 1998; gains were relatively minor (less than 10) in both.

Iowa had nearly 32,400 fewer persons receiving regular FIP payments each month, on average, in 1998 than in 1988. All 99 counties followed this trend. Black Hawk, Linn, Polk, Pottawattamie, Scott, and Woodbury dropped by more than 1,000; most counties (63) declined by 100 to 1,000 recipients.

Unemployed-Parent Family Investment Cases and Recipients

Iowa averaged 1,900 unemployed-parent FIP cases each month in 1998 (Table 2). The 1998 average was the lowest in the 11 years examined. Fifty-four of the counties averaged fewer than 10 unemployed-parent cases each month in 1998. Forty-one counties had from 10 to 99 unemployed-parent cases. The highest monthly averages were in Black Hawk, Linn, Polk, and Scott, each of which had more than 100 cases. Polk's average of 206 was the highest.

Unemployed-parent cases decreased, on average, by 571 between 1997 and 1998 in the state. Most (82) of the counties reported increases or decreases of fewer than 10 cases or no change between these two years. Dubuque, Muscatine, Polk, Scott, Story, and Wapello decreased by more than 20 cases.

Iowa's unemployed-parent case average was lower by 939 in 1998 than it was in 1988. Seventy-seven counties also had declines when comparing these years. Black Hawk and Scott had decreases of 100 or more cases. Six counties remained the same; the remaining 16 had increases over the period, although only Des Moines, Johnson, Polk, and Pottawattamie reported at least 20 more cases in 1998 than in 1988.

The average monthly number of FIP recipients in the unemployed-parent program was 7,747 in 1998, a figure 2,326 lower than in 1997 (Table 2, Figure 2). Polk had the highest monthly average (869) of unemployed-parent recipients in 1998; Black Hawk, Linn, and Scott also were greater than 500. Seventeen other counties averaged at least 100 recipients. The counties with the lowest averages (fewer than 10) of unemployed-parent recipients were Audubon, Carroll, Howard, Lyon, Osceola, Palo Alto, and Winnebago.

The number of recipients of unemployed-parent FIP benefits decreased between 1997 and 1998. Thirty-six counties reported changes in either direction of fewer than 10 recipients between these two years. No county's gain exceeded 20, although declines of that magnitude occurred in 32 others. Iowa averaged 4,159 fewer persons per month receiving unemployed-parent FIP benefits in 1998 than in 1988. Most (78) of the counties followed the downward state trend. Decreases greater than 300 occurred in Black Hawk, Dubuque, and Scott. Of the 19 counties with more unemployed-parent recipients in 1998 than in 1988, only Polk and Pottawattamie increased by more than 100.

Cases and recipients in the unemployed-parent portion of the FIP have varied much more in the 1980s and 1990s than those in the regular Family Investment Program. The unemployed-parent program corresponds much more closely to variations in Iowa's economy than does the regular program.

Total Annual Family Investment Payments

Total benefits paid in Iowa in 1998 for the regular FIP exceeded \$86 million, which was about 13 million less than the 1997 total (Table 3, Figure 3). Payments decreased in 7 of the 10 year-to-year comparisons; declines of at least \$10 million occurred each year since 1994. Totals paid in 1998 varied from less than \$100,000 in Osceola and Worth to more than \$10 million in Polk. Polk's figure, at \$13.8 million, was more than \$5 million above the second highest total (Scott, \$8.5 million). Only two counties (Audubon, Dubuque) reported higher benefits paid to participants in the regular program in 1998 than in 1997. Two (Polk, Scott) of the 97 counties that had decreases in total payments dropped by more than \$1.5 million between 1997 and 1998.

Iowa's total payments to regular recipients decreased by \$52 million between 1988 and 1998; all of the counties had lower benefits paid at the end of the period. Declines in Black Hawk, Cerro Gordo, Clinton, Dubuque, Linn, Polk, Pottawattamie, Scott, and Woodbury each topped \$1 million.

Unemployed-parent program benefits totaled \$8.0 million in 1998 (Table 3, Figure 4). Benefits paid by this program have been significantly lower than those for the regular program because the caseload is much smaller. Payments increased from 1992 to 1994 but declined from then to 1998.

Eight counties provided less than \$10,000 in unemployed-parent benefits in 1998, with Osceola (\$3,686) reporting the lowest figure. The highest benefits were recorded in Black Hawk, Linn, Polk, and Scott, each with more than \$500,000. Most (79) of Iowa's counties distributed lower unemployed-parent benefits in 1998 than in 1997.

Total costs for the unemployed-parent program in Iowa were \$6.1 million lower in 1998 than in 1988. Most (83) counties also reported lower benefits at the end of the period; among these, Black Hawk and Scott had decreases greater than half a million dollars. For counties with higher payments in 1998 than in 1988, the increases tended to be small, with only Polk and Pottawattamie paying at least \$100,000 more of these benefits at the end of the period than at the beginning.

Average Monthly Payments Per Person

The average per person benefit per month for the regular program was \$126 in 1998 (Table 4). This was slightly lower than the figures from 1988 through 1997 (Figure 5). Among the counties, there was a \$27 difference between the lowest (\$106 in Ida and Osceola) and the highest (\$133 in Story and Tama) monthly per person benefits in 1998. For all the years from 1988 through 1998, \$30 or less separated the lowest and highest county in per person monthly payments for the regular program.

Changes between 1997 and 1998 in the regular program benefits were small in most counties; declines in Humboldt, Iowa, Madison, and Osceola, which ranged from \$10 to \$16, were the largest changes in either direction. Modest change also is noted when 1988 and 1998 are compared. Iowa averaged \$3 less per person in the regular program in the later year and decreases were recorded for 56 counties. Franklin, Ida, Iowa, and Sac were the only ones to drop by at least \$15 across the period.

The state's average per person decrease of 2.3 percent between 1988 and 1998 did not keep pace with inflation as measured by a 36.5 percent rise in the consumer price index for the same years. Indeed, decreases in average per person benefits ranged from 1 to 14 percent in 56 counties. Benefit increases were less than 10 percent in 34 counties and no change occurred in the averages of nine others. The small percentage change in per person benefits for the regular FIP from 1988 to 1998 contrasts sharply with percentage increases for average monthly benefits per person in the food stamp program (+37.1%). Clearly, the increase in average regular FIP payments per month did not keep pace with inflationary trends.

Another way to examine this is to adjust benefits for inflation. When this was done, regular program payments per person declined from \$176 in 1988 to \$126 in 1998, a 28.4 percent decrease in purchasing power (Table 4, Figure 5). All 99 counties experienced a similar trend, with Wayne reporting the only decrease under 20 percent, while Franklin, Ida, Iowa, and Sac had declines of at least 35 percent in payments per person after inflation is taken into account.

For persons in the unemployed-parent program, monthly payments statewide averaged \$86 in 1998 (Table 5). This was about the same as 1995-1997 (Figure 5). For the state and the counties, per person payments for the unemployed-parent program have been lower than those for the regular program, frequently by \$40 or more per month.

In 1998, county-level average benefits per person in the unemployed-parent program ranged from \$50 (Palo Alto) to \$124 (Emmet). For any given year, there was more variation among the counties in the unemployed-parent payments than in those for the regular program.

The 1998 average benefits for persons in the unemployed-parent program was \$13 less than that in 1988 for the state, and 82 counties had lower average payments in 1998 than 10 years earlier. Three counties (Emmet, Lyon, Sioux) gained at least \$20 across the 10 years, while Palo Alto dropped by more than \$50. When adjusted for inflation, average benefits for persons in the unemployed-parent program decreased 36.3 percent from 1988 to 1998 (Table 5, Figure 5). All counties except Sioux experienced this trend; six counties (Calhoun, Greene, Ida, Palo Alto, Story, Tama) decreased average payments per person by at least 50 percent when inflation was included in the calculations.

Figure 1. Average number of FIP regular recipients per month in Iowa, 1980-1998.

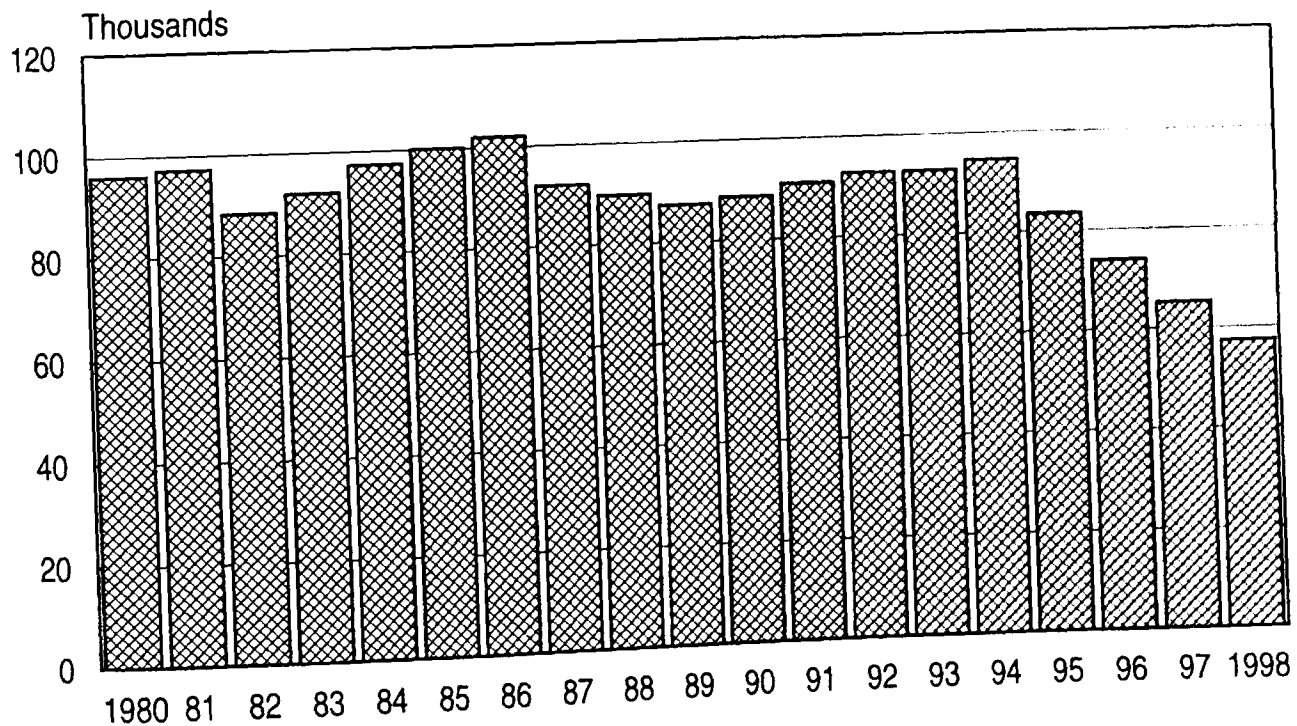


Figure 2. Average number of FIP unemployed-parent recipients per month in Iowa, 1983-1998.

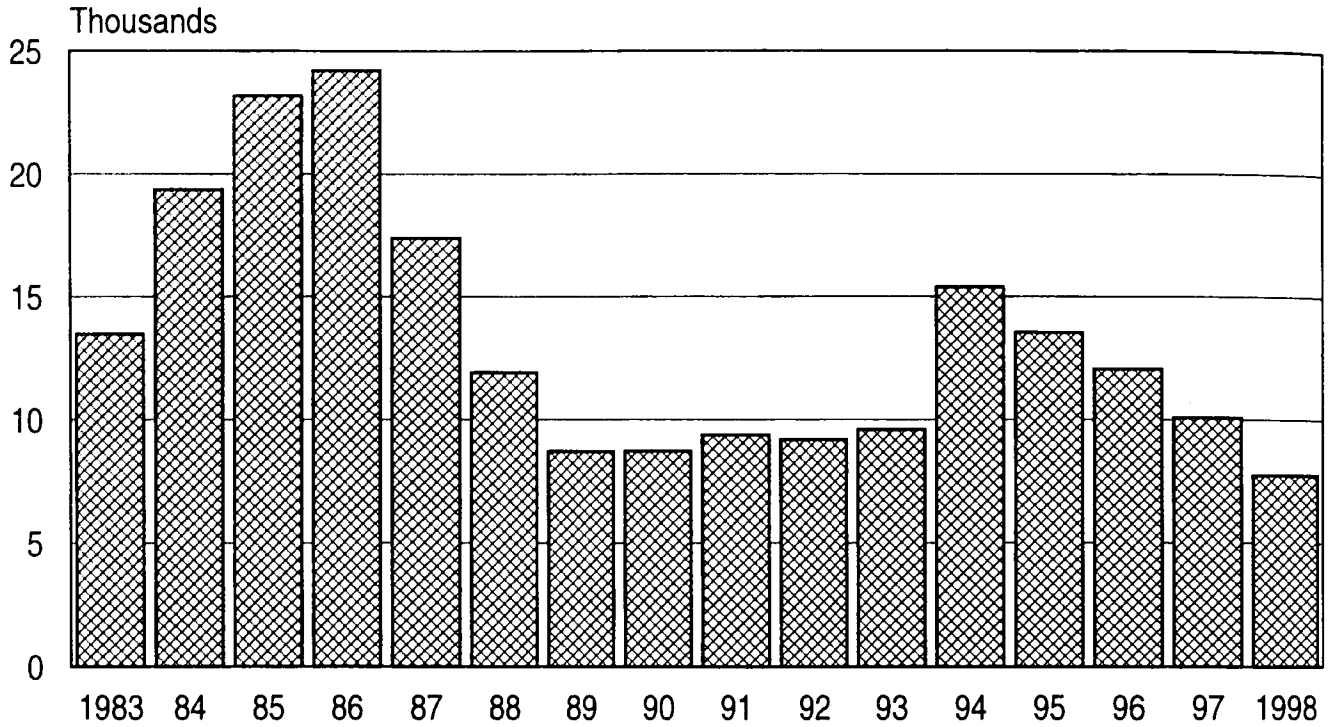


Figure 3. Total annual payments to persons receiving regular FIP benefits in Iowa, 1980-1998.

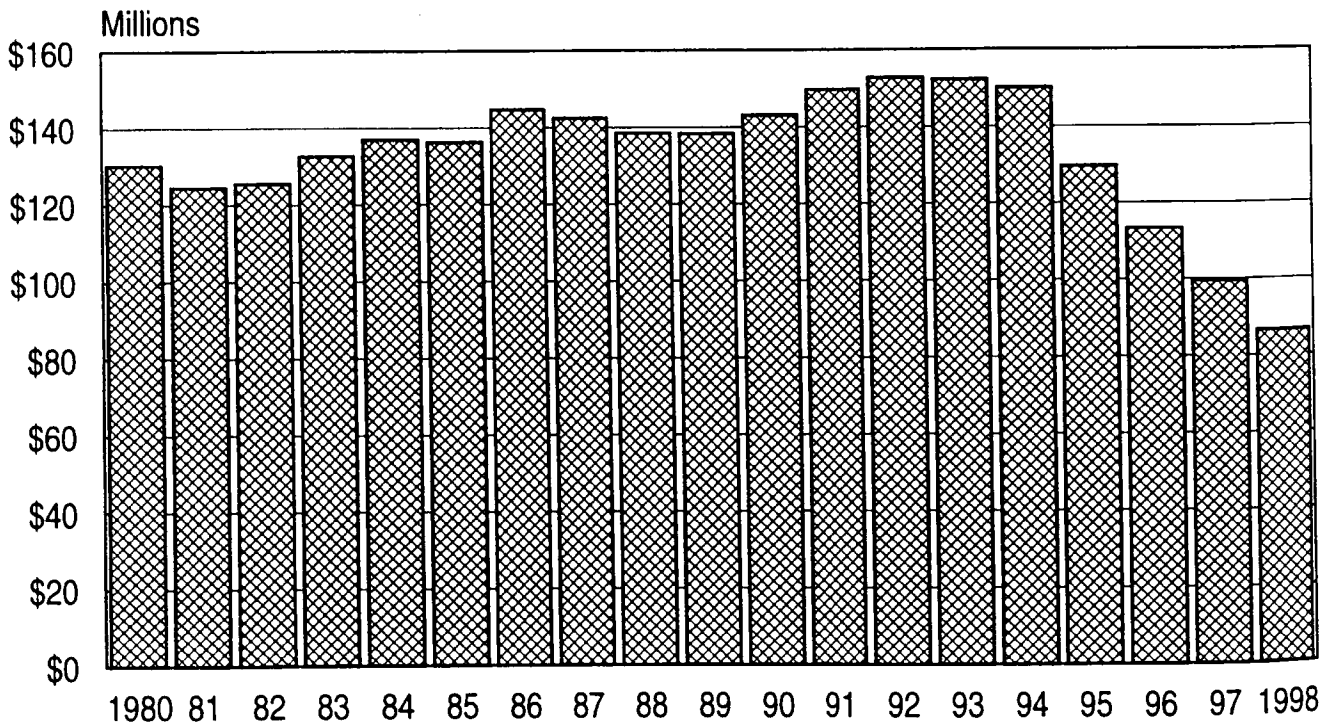
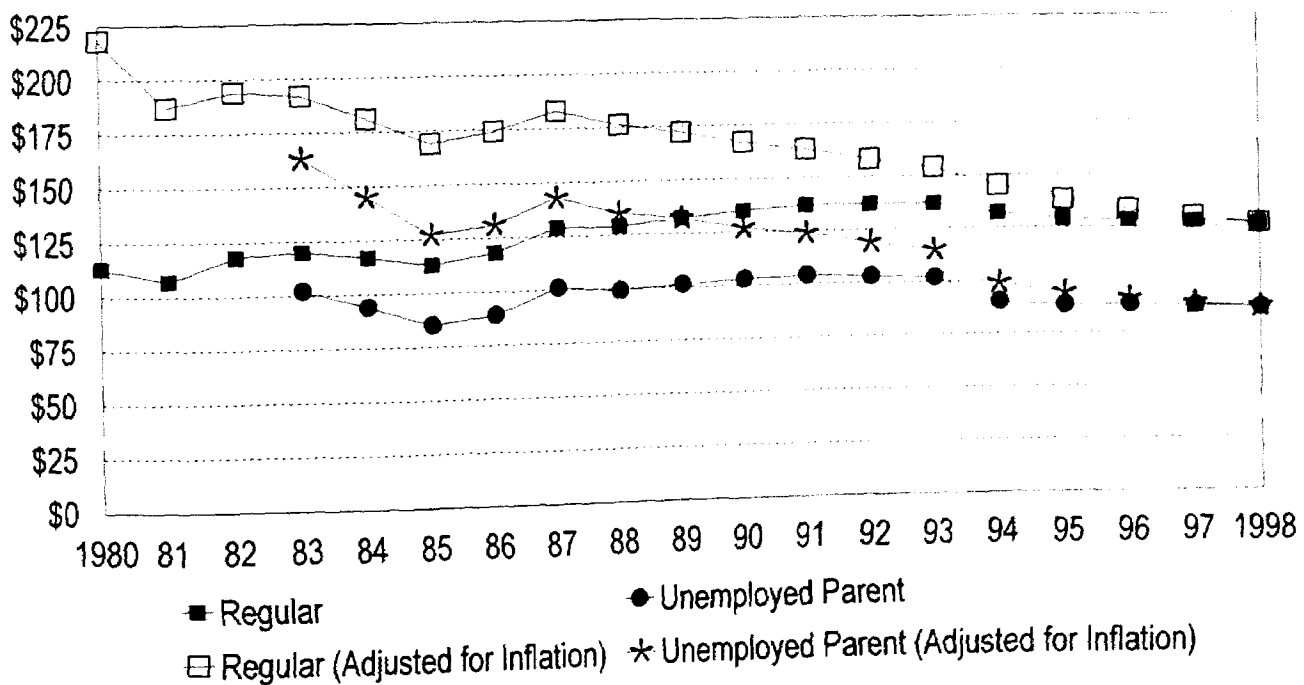
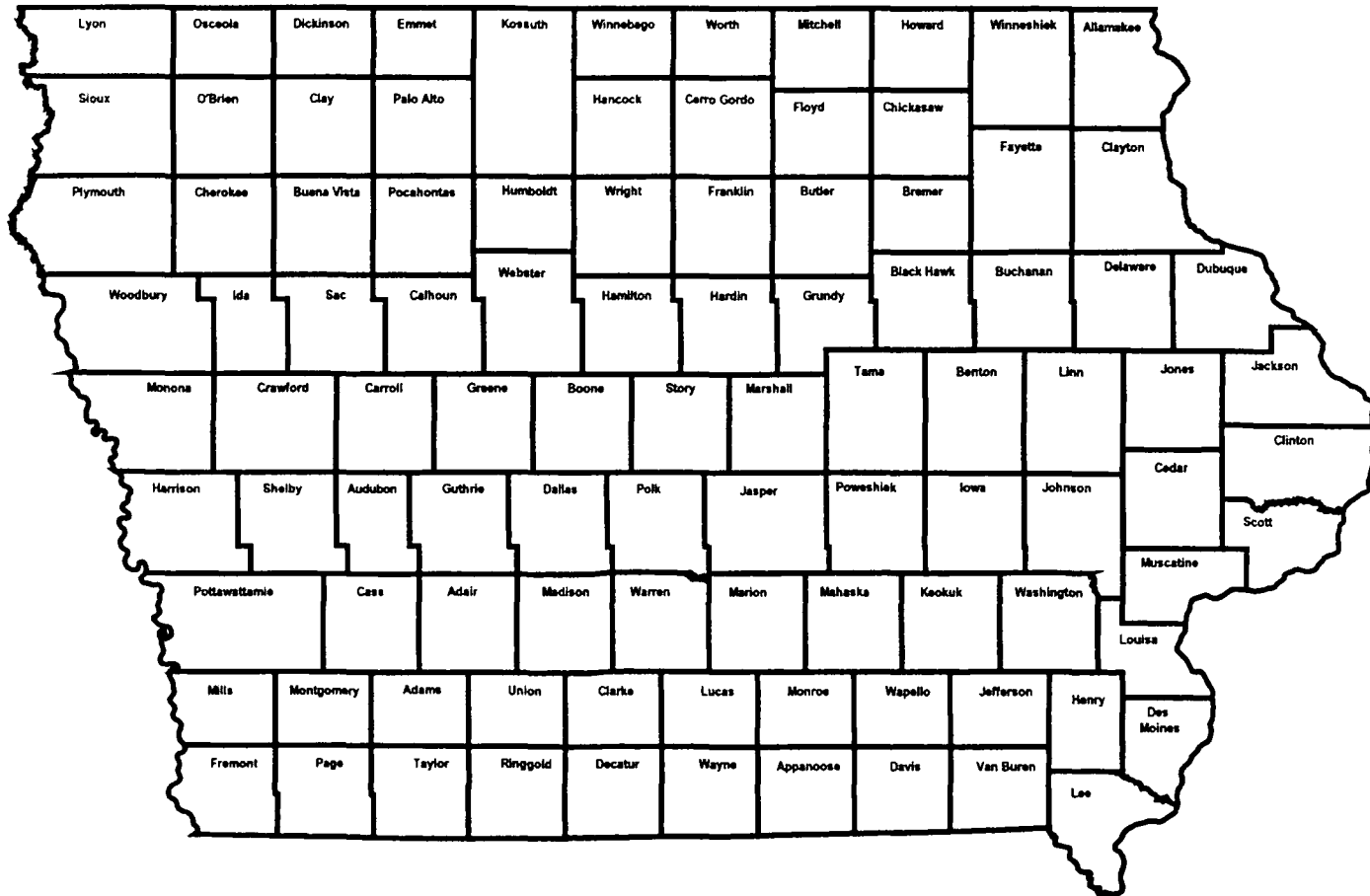


Figure 4. Total annual payments to persons receiving unemployed-parent FIP benefits in Iowa, 1983-1998.



Figure 5. Average monthly FIP payments (in \$s and in 1998 \$s adjusted for inflation) per recipient, 1980-1998.





Children in Foster Care in Iowa's Counties: 1997 and 1998

Sandra Charvat Burke, Iowa State University
Willis Goudy, Iowa State University

Information on the number of children in foster care is reported each month by the Iowa Department of Human Services. These data were summed over the months in each calendar year and divided by 12 to yield average monthly numbers.

In 1998, nearly 4,800 children were in foster care in an average month (Table 1). That was a decrease of 300 from the 1997 average of 5,100. Eight counties (Black Hawk, Dubuque, Johnson, Linn, Polk, Pottawattamie, Scott, Woodbury) averaged at least 100 children in foster care in 1998; these eight accounted for more than half (51.8%) the total that year. Twenty-three reported fewer than 10 children under such care in 1998, with the lowest averages (4) occurring in Kossuth, Osceola, Pocahontas, Sac, and Taylor.

Changes among the averages between 1997 and 1998 were minimal in many counties. For example, the number of children in foster care remained the same or changed by less than 5 in 55 counties. Seven noted gains of at least 10 foster children, although no increase was as great as 20. Fourteen counties had declines of at least 10 when 1997 and 1998 were compared, with the decreases exceeding 50 in Black Hawk, Cerro Gordo, and Polk.

Note: Because of changes in the manner in which the numbers of children in foster care are reported, figures on children in foster care included in the 1995 and earlier editions of this volume should not be compared with those in Table 1.

Table 1. Average Monthly Number of Children in Foster Care in Iowa's Counties, 1997 and 1998.

County	1998	1997	County	1998	1997
Adair	7	6	Jefferson	26	28
Adams	5	8	Johnson	122	119
Allamakee	25	7	Jones	22	26
Appanoose	49	62	Keokuk	19	18
Audubon	17	11	Kossuth	4	10
Benton	42	52	Lee	47	46
Black Hawk	246	305	Linn	352	351
Boone	32	36	Louisa	17	17
Bremer	12	21	Lucas	9	10
Buchanan	36	50	Lyon	9	11
Buena Vista	32	19	Madison	16	0
Butler	11	17	Mahaska	35	40
Calhoun	8	6	Marion	34	33
Carroll	20	26	Marshall	62	68
Cass	18	20	Mills	21	22
Cedar	8	12	Mitchell	12	11
Cerro Gordo	96	155	Monona	18	19
Cherokee	12	9	Monroe	9	10
Chickasaw	12	8	Montgomery	22	25
Clarke	13	13	Muscatine	89	99
Clay	23	30	O'Brien	16	20
Clayton	9	13	Osceola	4	3
Clinton	90	86	Page	18	26
Crawford	14	13	Palo Alto	9	12
Dallas	68	56	Plymouth	20	18
Davis	8	8	Pocahontas	4	7
Decatur	8	7	Polk	743	817
Delaware	26	20	Pottawattamie	158	153
Des Moines	74	62	Poweshiek	32	41
Dickinson	30	29	Ringgold	8	4
Dubuque	111	124	Sac	4	5
Emmet	41	39	Scott	324	358
Fayette	32	32	Shelby	20	10
Floyd	23	26	Sioux	22	17
Franklin	12	11	Story	80	79
Fremont	16	14	Tama	54	36
Greene	20	13	Taylor	4	12
Grundy	6	1	Union	20	23
Guthrie	11	12	Van Buren	8	4
Hamilton	17	18	Wapello	96	89
Hancock	5	2	Warren	52	75
Hardin	20	29	Washington	47	40
Harrison	17	32	Wayne	10	9
Henry	21	32	Webster	89	114
Howard	10	6	Winnebago	5	1
Humboldt	12	13	Winneshiek	15	35
Ida	5	6	Woodbury	412	440
Iowa	19	10	Worth	6	1
Jackson	20	21	Wright	25	26
Jasper	48	43			
			State of Iowa	4762	5085

Licensed Hospital and Nursing Facility Beds in Iowa's Counties: 1993-1998

Margaret Hanson, Iowa State University
Willis Goudy, Iowa State University
Bev Brown, Iowa Department of Inspections and Appeals

Information on health care facilities throughout the state is obtained by the division of Health Facilities in the Iowa Department of Inspections and Appeals. Numbers of licensed hospitals and nursing facilities as well as the beds counted in each type are taken from the last report for a calendar year, which usually means the end of December.

Licensed Hospital Facilities and Beds

There were 124 licensed hospitals in Iowa in December of 1998. Butler, Cedar, Louisa, Tama, Taylor, Warren, Winnebago, and Worth were the only counties that had no licensed hospital. Black Hawk, Clinton, Johnson, Page, Polk, and Sioux each had at least three hospitals. Of the remaining 85 counties, 67 had one and 18 had two hospitals.

Clinton was the only county to gain a licensed hospital facility from 1993 to 1998, while Boone, Polk, Scott, and Story each declined by one. As a result, the state had three fewer licensed hospitals at the end of that five-year period than at the beginning.

In 1998, one of every five (20.9%) of the 15,138 licensed hospital beds were located in just two counties—Johnson and Polk (Table 1). Clinton, Linn, and Mills were the only others with more than 750 hospital beds. Among counties with hospital facilities, fewer than 25 beds were reported in Adams, Chickasaw, and Lucas.

The state had nearly 1,100 fewer hospital beds in 1998 than in 1993. Thirty counties reported decreases, which exceeded 100 in Boone, Cherokee, Linn, Pottawattamie, and Woodbury. In the case of Boone County, the designation of a state facility was changed in that period, which led to a substantially greater decline than what occurred elsewhere. Among the 15 counties with gains, at least 100 more beds were counted in 1998 than in 1993 in Clinton and Sioux. In 54 counties, the number of beds in 1998 equaled that reported in 1993. In another 19, gains or declines amounted to 10 or fewer beds. Thus, no or minimal change in licensed hospital beds occurred in nearly three-quarters (73) of the counties.

Licensed Nursing Facilities and Beds

As of December of 1998, there were 429 licensed nursing facilities in Iowa. Every county reported at least one such facility that year; five counties (Black Hawk, Linn, Polk, Scott, Woodbury) had more than 10. From 1993 to 1998, the number of licensed nursing facilities increased by five statewide. Floyd and Linn each had gains of two such facilities, while Cherokee, Hardin, Howard, Mills, Polk, and Wapello had one more at the end of the period than at the beginning. Decatur, Mahaska, Marshall, Scott, and Woodbury each had one less licensed nursing facility in 1998 than in 1993.

At the end of 1998, there were more than 34,000 licensed nursing facility beds in Iowa (Table 2). Nearly a fourth (24.3%) of these beds were in Black Hawk, Linn, Marshall, Polk, Scott, or Woodbury, each of which counted more than 1,000 beds. Adams, Greene, and Van Buren were the only counties with fewer than 100 nursing facility beds.

Table 1. Number of Licensed Hospital Beds in Iowa's Counties, 1993-1998.

County	1998	1997	1996	1995	1994	1993	County	1998	1997	1996	1995	1994	1993
Adair	31	31	31	31	31	31	Jefferson	67	83	83	83	83	83
Adams	22	22	22	22	29	29	Johnson	1125	1102	1102	1102	1161	1171
Allamakee	40	40	40	40	40	40	Jones	38	38	38	38	38	38
Appanoose	54	54	49	49	49	49	Keokuk	25	25	26	26	26	26
Audubon	29	29	29	29	29	29	Kossuth	40	40	40	40	40	40
Benton	31	31	31	31	31	31	Lee	175	175	175	242	167	167
Black Hawk	616	616	687	687	687	687	Linn	809	853	766	749	803	952
Boone	57	696	696	696	696	696	Louisa	0	0	0	0	0	0
Bremer	74	70	74	67	74	70	Lucas	22	22	22	44	44	44
Buchanan	270	290	290	263	263	263	Lyon	30	30	30	30	30	30
Buena Vista	54	54	54	54	54	54	Madison	31	31	31	24	31	24
Butler	0	0	0	0	0	0	Mahaska	77	77	77	77	53	53
Calhoun	49	53	53	53	53	53	Marion	215	215	215	106	106	205
Carroll	229	229	229	166	229	212	Marshall	132	132	132	132	132	132
Cass	69	71	71	75	75	71	Mills	851	851	851	851	851	851
Cedar	0	0	0	0	0	0	Mitchell	40	40	40	40	40	40
Cerro Gordo	350	350	350	350	350	350	Monona	48	48	48	48	48	48
Cherokee	135	135	177	199	199	275	Monroe	46	46	46	46	46	46
Chickasaw	22	12	49	49	49	49	Montgomery	40	40	40	40	40	40
Clarke	48	48	48	48	48	48	Muscatine	80	80	80	80	80	80
Clay	99	99	99	99	99	99	O'Brien	44	47	47	53	53	53
Clayton	58	58	58	58	58	58	Osceola	32	32	32	32	32	32
Clinton	892	272	195	195	195	339	Page	155	155	155	155	155	167
Crawford	72	72	72	48	72	72	Palo Alto	54	54	54	32	32	43
Dallas	49	49	53	53	53	53	Plymouth	44	44	44	44	44	44
Davis	80	80	80	48	48	80	Pocahontas	32	32	20	20	20	32
Decatur	49	49	49	49	49	49	Polk	2033	1833	1833	2019	2041	2124
Delaware	37	37	49	58	58	58	Pottawattamie	322	449	449	449	495	555
Des Moines	380	380	380	221	221	380	Poweshiek	46	46	46	46	46	44
Dickinson	49	49	49	49	49	49	Ringgold	46	46	46	46	46	46
Dubuque	649	649	649	649	649	649	Sac	54	54	54	54	33	54
Emmet	58	58	58	58	58	58	Scott	651	651	652	652	652	686
Fayette	94	94	94	55	59	94	Shelby	49	45	45	45	45	45
Floyd	35	35	35	35	35	35	Sioux	304	226	226	200	141	139
Franklin	92	92	92	40	40	92	Story	342	342	342	378	378	378
Fremont	26	49	49	49	49	49	Tama	0	0	0	0	0	0
Greene	117	127	127	127	53	127	Taylor	0	0	0	0	0	0
Grundy	75	88	88	88	88	99	Union	53	53	53	53	53	53
Guthrie	26	26	26	26	27	26	Van Buren	40	40	40	40	40	40
Hamilton	40	40	42	49	49	49	Wapello	235	235	235	235	235	235
Hancock	26	26	26	26	30	30	Warren	0	0	0	0	0	0
Hardin	58	60	60	60	60	58	Washington	40	40	40	40	40	83
Harrison	35	35	35	35	35	35	Wayne	28	28	28	28	28	28
Henry	139	139	139	139	121	121	Webster	174	174	174	194	194	194
Howard	32	32	32	42	42	42	Winnebago	0	0	0	0	0	0
Humboldt	49	49	49	49	49	49	Winneshiek	57	57	57	57	83	83
Ida	36	36	36	36	36	36	Woodbury	651	656	731	812	812	855
Iowa	44	44	44	44	44	44	Worth	0	0	0	0	0	0
Jackson	61	61	61	61	61	61	Wright	56	54	56	54	55	55
Jasper	68	50	64	50	50	68							
State of Iowa								15138	15087	15171	15041	15095	16234

Table 2. Number of Licensed Nursing Facility Beds in Iowa's Counties, 1993-1998.

County	1998	1997	1996	1995	1994	1993	County	1998	1997	1996	1995	1994	1993
Adair	185	180	180	180	180	180	Jefferson	175	175	175	175	175	175
Adams	64	64	64	64	64	64	Johnson	458	458	458	458	458	458
Allamakee	279	279	279	279	279	271	Jones	209	209	209	209	209	209
Appanoose	197	197	197	197	197	197	Keokuk	194	194	194	194	194	193
Audubon	156	156	163	163	163	163	Kossuth	271	271	271	271	271	271
Benton	176	176	176	176	176	176	Lee	501	501	501	501	501	501
Black Hawk	1231	1231	1231	1231	1231	1223	Linn	1205	1205	1205	1189	1129	1129
Boone	484	484	484	484	484	484	Louisa	174	174	174	174	174	174
Bremer	315	315	320	320	310	310	Lucas	130	130	130	130	130	130
Buchanan	156	156	156	156	156	156	Lyon	216	216	216	216	216	216
Buena Vista	328	328	328	328	328	328	Madison	248	248	248	248	248	248
Butler	301	301	296	296	296	296	Mahaska	192	192	192	192	295	295
Calhoun	266	266	271	280	280	280	Marion	230	230	230	230	230	230
Carroll	246	257	257	257	257	257	Marshall	1096	1096	1176	1176	1176	1176
Cass	296	296	296	296	296	296	Mills	163	163	185	141	141	141
Cedar	240	240	240	240	240	235	Mitchell	295	298	298	309	309	309
Cerro Gordo	738	738	738	738	674	678	Monona	297	297	297	289	289	289
Cherokee	302	302	302	302	302	272	Monroe	154	154	154	154	154	154
Chickasaw	220	220	220	200	200	200	Montgomery	296	296	296	304	288	288
Clarke	101	101	101	101	101	101	Muscatine	491	491	491	474	474	474
Clay	254	254	254	254	254	254	O'Brien	263	263	261	261	261	261
Clayton	292	292	292	287	287	287	Osceola	119	119	119	119	119	119
Clinton	434	434	434	434	434	434	Page	319	331	331	331	331	331
Crawford	225	225	225	225	225	225	Palo Alto	258	258	258	254	254	254
Dallas	434	434	434	434	420	420	Plymouth	381	381	367	350	350	350
Davis	104	104	104	104	104	104	Pocahontas	189	189	204	204	204	204
Decatur	142	203	203	203	203	203	Polk	2540	2535	2550	2508	2448	2441
Delaware	177	169	169	169	169	169	Pottawattamie	674	674	674	663	651	651
Des Moines	393	393	393	393	393	393	Poweshiek	326	326	326	326	322	307
Dickinson	238	238	238	238	238	238	Ringgold	150	150	150	150	150	150
Dubuque	883	867	867	860	860	862	Sac	271	271	271	271	271	271
Emmet	251	251	251	251	251	251	Scott	1114	1119	1168	1168	1168	1168
Fayette	285	285	285	285	285	285	Shelby	232	232	232	232	232	232
Floyd	335	335	335	335	335	335	Sioux	164	164	164	164	164	164
Franklin	161	161	161	161	161	161	Story	518	518	518	518	518	518
Fremont	183	183	183	183	183	183	Tama	369	369	369	369	369	323
Greene	93	93	93	93	93	93	Taylor	149	149	149	149	149	149
Grundy	141	141	141	141	141	141	Union	192	203	203	205	205	205
Guthrie	267	267	267	267	267	267	Van Buren	75	75	75	75	75	75
Hamilton	242	242	242	242	242	242	Wapello	438	418	418	418	418	358
Hancock	189	189	189	189	177	177	Warren	523	523	503	503	503	503
Hardin	434	434	374	374	369	364	Washington	388	388	388	388	380	380
Harrison	358	358	336	336	336	336	Wayne	130	130	130	130	130	130
Henry	283	283	283	279	279	279	Webster	726	726	726	726	712	712
Howard	224	224	224	224	200	200	Winnebago	223	223	223	223	223	223
Humboldt	150	150	150	150	150	150	Winneshiek	281	281	281	281	281	281
Ida	193	193	193	193	193	193	Woodbury	1095	1095	1095	1077	1077	1127
Iowa	229	229	225	225	225	225	Worth	149	149	149	149	149	149
Jackson	235	235	235	235	235	235	Wright	278	278	278	278	278	278
Jasper	472	472	472	472	472	472							
State of Iowa								34111	34160	34231	34048	33848	33719

As a result of the change in the number of facilities and expansion/contraction within existing facilities, the state had 392 more beds in licensed nursing facilities in 1998 than five years earlier. Bed numbers declined in 12 counties over this period and 36 had gains. Gains of at least 50 nursing beds occurred in Cerro Gordo, Hardin, Linn, Polk, and Wapello, while declines of that magnitude took place in Decatur, Mahaska, Marshall, and Scott. Two-thirds (68) of the counties remained the same or noted changes in the number of licensed nursing beds of less than 10 in either direction from 1993 to 1998.

Note: Due to payment issues, beds located in hospitals that are maintained for nursing care are counted as hospital beds rather than as beds in nursing facilities.

Public and Non-Public School Enrollment in Iowa's Counties: 1979-1998

Willis Goudy, Iowa State University
Sandra Charvat Burke, Iowa State University
Margaret Hanson, Iowa State University
James Gould, Iowa Department of Education

The Iowa Department of Education gathers information on Iowa's primary and secondary public and non-public educational institutions. Each year, the department obtains the number of students enrolled in the month of September. Information on enrollment is gathered at the school district level, not by residence of the students. Because school district boundaries do not necessarily correspond with county lines and because some districts have cooperative sharing agreements with other districts, students may have been counted in the enrollment of a county different from that in which they lived. For most students in the state, however, the county in which they live and the county in which they are counted as being enrolled are the same. Additional caution is merited because some districts have merged between 1979 and 1998, the years for which data are reported. That means the administrative headquarters, the location of which determines where students are counted, may have changed. Such changes will affect year-to-year comparisons.

Enrollment in Public Schools

In 1998, 493,239 students were enrolled in public schools in Iowa (Table 1). This was 17,000 more than the 476,114 reported in 1988. Declines occurred annually from 1980 through 1988, but slight gains took place each year from 1988 to 1996 (Figure 1).

Fifty-one counties had more students in public schools in 1998 than 10 years earlier; six (Dallas, Johnson, Linn, Polk, Pottawattamie, Story) had at least 1,000 more. Declines in the other 48 counties ranged from less than 100 in 16 counties to more than 500 in Black Hawk, Butler, Cherokee, Clinton, Crawford, and Des Moines.

Enrollment in Non-Public Schools

A total of 42,811 non-public school students were enrolled in Iowa in 1998 (Table 2). This was down more than 6,000 from the 48,988 reported in 1988. In only two year-to-year comparisons during this period were there slight increases; there were 180 more non-public school students in 1988 than in 1987 and 99 more in 1993 than in 1992.

Thirty counties had no students enrolled in non-public schools from 1979 through 1998 according to reports from the Iowa Department of Education. That does not necessarily mean that some students of non-public schools do not live in these counties; they could, but the location of the administrative headquarters could be in another county. It could also be that a school did not file an enrollment report. There were seven counties (Cedar, Emmet, Hardin, Jefferson, Keokuk, Poweshiek, Sac) for which non-public school students were reported for some but not all years included here.

Of the 65 counties with non-public school students in both 1988 and in 1998, eight had increases among these students, 56 had decreases, and one was the same both years. Gains ranged from less than 50 in five counties to 100 or more in three (Buena Vista, Johnson, Scott). Declines had a much greater range; 29 counties had decreases among non-public school students that were less than 50, but 18 dropped by more than 100. The greatest decrease occurred in Dubuque (-1,192); Black Hawk also reported a decline greater than 500.

Table 1. Public School Enrollment in Iowa's Counties, 1979-1998.

County	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979
Adair	1214	1253	1259	1281	1273	1226	1252	1184	1188	1148	1149	1224	1222	1248	1249	1277	1258	1303	1364	1428
Adams	727	733	736	754	768	755	728	770	773	767	819	816	792	804	791	776	835	842	900	937
Allamakee	2750	2773	2767	2767	2832	2776	2774	2762	2744	2770	2744	2798	2809	2882	2891	2982	3085	3098	3383	3496
Appanoose	2343	2427	2478	2492	2460	2461	2524	2518	2502	2485	2542	2575	2532	2473	2542	2595	2636	2712	2798	2925
Audubon	1137	1146	1162	1191	1178	1204	1237	1211	1211	1184	1201	1232	1266	1310	1327	1361	1387	1417	1499	1562
Benton	4302	4273	4305	4172	4117	4121	4362	4322	4325	4297	4191	4233	4278	4306	4330	4439	4534	4735	4923	5039
Black Hawk	17948	18317	18283	18445	18518	18449	18143	18625	18791	18710	18570	18819	18981	19539	20094	20722	21170	21248	21869	22616
Boone	4153	4142	4218	4212	4123	4136	4099	4043	3992	3934	3920	3874	3928	3948	3912	3956	3988	4129	4258	4350
Bremer	5308	5309	5677	5812	5815	5812	5774	5699	5594	5675	5639	5718	5853	6021	6129	6154	6273	6455	6697	6856
Buchanan	3273	3302	3383	3422	3431	3410	3446	3382	3424	3353	3305	3270	3180	3273	3357	3423	3517	3616	3704	3878
Buena Vista	3842	3892	3843	3897	3912	3898	3432	3445	3312	3130	3095	3039	3191	3076	3077	3061	3069	3140	3230	3350
Butler	2097	2124	2170	2465	2670	2643	2656	2667	2769	2741	2827	2790	2778	2846	2918	2994	3055	3193	3291	3373
Calhoun	2532	2571	2612	2639	2755	2698	2609	2602	2460	2465	2324	2482	2520	2536	2580	2634	2659	2822	2913	3070
Carroll	3447	3371	3406	3239	3255	3313	3295	3179	3069	2926	2863	2688	2648	2653	2674	2710	2799	2808	2952	3012
Cass	3048	3110	3180	3233	3230	3188	3194	3261	3236	3238	3162	3215	3200	3228	3248	3299	3347	3457	3566	3645
Cedar	3647	3670	3672	3659	3629	3588	3674	3640	3671	3597	3589	3530	3518	3564	3677	3717	3799	3848	3981	4145
Cerro Gordo	7183	7287	7413	7437	7408	7357	7321	7349	7320	7282	7344	7436	7301	7272	7294	7220	7212	7493	7721	7978
Cherokee	2311	2318	2369	2737	2809	3082	2810	2794	2791	2767	2828	2899	2824	2873	2922	2979	3025	3108	3216	3333
Chickasaw	2567	2626	2389	2392	2355	2352	2346	2339	2367	2359	2388	2422	2477	2566	2613	2684	2771	2863	3061	3155
Clarke	1834	1782	1793	1789	1755	1713	1753	1745	1722	1634	1702	1736	1664	1656	1600	1658	1643	1667	1694	1677
Clay	2886	2970	2986	3046	3057	3071	3458	3450	3419	3392	3366	3249	3245	3349	3349	3359	3339	3402	3513	3651
Clayton	3579	3711	3724	3743	3760	3740	3737	3769	3780	3785	3816	3789	3760	3876	3912	3950	4006	4067	4135	4363
Clinton	8822	8901	8951	9062	9186	9276	9365	9418	9325	9359	9374	9385	9626	9816	9950	10265	10635	10963	11262	11609
Crawford	2611	2678	2621	2660	2751	2928	2956	3210	3243	3279	3428	3498	3577	3640	3622	3636	3729	3752	3788	3920
Dallas	8074	8021	7757	7589	7250	7060	6887	6776	6627	6417	6350	6355	6258	6249	6134	6113	6147	6358	6456	6569
Davis	1221	1251	1310	1319	1360	1388	1410	1423	1398	1365	1430	1440	1473	1492	1514	1534	1573	1600	1608	1608
Decatur	1436	1420	1385	1385	1444	1342	1442	1460	1480	1458	1457	1543	1553	1533	1558	1604	1655	1692	1687	1763
Delaware	3679	3793	3812	3811	3737	3754	3679	3608	3581	3453	3464	3427	3400	3394	3434	3680	3599	3679	3790	3976
Des Moines	7091	7304	7482	7503	7615	7643	7645	7715	7762	7750	7765	7820	7813	7762	7789	7805	8031	8253	8607	8932
Dickinson	2850	2844	2895	2856	2852	2747	2790	2771	2807	2804	2735	2741	2754	2789	2825	2819	2796	2832	2938	2957
Dubuque	12254	12391	12520	12481	12367	12380	12063	11893	11869	12019	12232	12814	13105	12408	12643	12941	13370	13855	14644	15118
Emmet	2027	2036	2083	2224	2248	2260	2247	2271	2278	2324	2332	2308	2300	2369	2655	2516	2557	2657	2677	2778
Fayette	4376	4385	4421	4453	4514	4470	4481	4440	4449	4396	4412	4435	4509	4724	4853	5164	5256	5334	5665	5829

Table 1. Public School Enrollment in Iowa's Counties, 1979-1998 (continued).

County	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979
Floyd	3011	3094	3136	3112	3185	3171	3224	3207	3174	3142	3211	3238	3253	3350	3510	3565	3719	3860	4004	4159
Franklin	1911	1999	2165	2046	1905	1862	1968	1941	1985	1856	1762	1733	1808	1806	1819	1887	1865	1896	1945	2043
Fremont	1621	1612	1650	1673	1679	1696	1692	1704	1688	1672	1671	1717	1736	1743	1804	1764	1752	1728	1769	1820
Greene	2078	2024	2026	2004	1992	1975	1949	1996	1905	1887	1894	1841	1934	2019	2063	2023	2103	2223	2329	2451
Grundy	2488	2974	3019	2752	2747	2727	2740	2261	2223	2267	2314	2341	2418	2488	2571	2622	2716	2825	2855	3008
Guthrie	2331	2325	2326	2330	2347	2425	2411	2453	2477	2424	2434	2581	2575	2626	2660	2716	2725	2757	2885	2980
Hamilton	2999	2990	3029	3072	3095	3050	3074	3088	3099	3184	3056	3081	3055	3107	3176	3235	3318	3406	3539	3691
Hancock	2055	2103	2129	2070	2086	2320	2332	2397	2393	2352	2402	2390	2381	2404	2365	2424	2443	2537	2583	2726
Hardin	3489	3541	3656	3672	3707	3714	3707	4022	3956	3956	3959	3787	4055	4086	4230	4362	4452	4532	4786	4846
Harrison	3390	3381	3345	3349	3327	3010	3063	3032	3016	2926	3049	3074	3041	3105	3208	3232	3309	3374	3476	3604
Henry	3863	3844	3773	3822	3950	3904	3960	3861	4161	3668	3618	3593	3637	3607	3585	3597	3645	3672	3764	3754
Howard	2083	2158	2162	2246	2286	2191	2168	2143	2119	2063	2055	2045	2080	2103	2101	2223	2284	2336	2479	2638
Humboldt	1920	1925	1923	1934	1936	1940	1916	1948	1912	1899	1887	1927	1897	1967	1991	2027	2124	2234	2339	2405
Ida	1484	1546	1553	1578	1628	1750	1644	1585	1580	1569	1525	1544	1489	1446	1395	1423	1462	1446	1513	1588
Iowa	2876	2785	2748	2716	3085	2991	2973	2913	2828	2635	2587	2604	2639	2698	2651	2719	2827	2953	3116	3230
Jackson	3557	3590	3659	3655	3680	3732	3725	3675	3621	3588	3655	3753	3730	3809	3998	4203	4205	4321	4455	4597
Jasper	6438	6329	6418	6365	6318	6492	6411	6439	6344	6338	6319	6452	6428	6463	6456	6598	6590	6897	7034	7208
Jefferson	2197	2145	2134	2137	2030	2011	2014	2102	1977	1976	2020	2017	2036	2120	2246	2282	2349	2467	2596	2656
Johnson	12994	12992	12787	12695	11985	11911	11654	11388	11070	10953	11036	10553	10358	10298	10140	10183	10357	10381	10596	10562
Jones	3411	3482	3513	3523	3562	3523	3337	3211	3214	3304	3279	3315	3367	3470	3517	3546	3637	3702	3950	4046
Keokuk	2384	2446	2471	2488	2445	2440	2399	2437	2447	2436	2410	2429	2395	2451	2450	2402	2362	2480	2618	2720
Kossuth	2623	2694	2748	2712	2707	2727	2685	2679	2702	2649	2561	2487	2583	2718	2754	2807	2883	2986	3183	3260
Lee	6189	6224	6341	6462	6536	6565	6540	6533	6380	6287	6323	6535	6550	6532	6483	6607	6771	6815	7035	7274
Linn	32091	31895	31612	30981	30622	29881	29409	28745	28410	28424	28743	28804	28960	29454	29960	30566	31391	32196	33286	34363
Louisa	2837	2925	2987	2992	2882	2848	2824	2720	2803	2852	2842	2838	2829	2824	2817	2918	2887	3041	3115	3150
Lucas	1550	1620	1632	1581	1594	1620	1580	1583	1574	1607	1587	1655	1647	1647	1678	1701	1733	1769	1832	1855
Lyon	2086	2190	2233	2279	2318	2293	2262	2256	2264	2276	2288	2318	2286	2239	2206	2227	2316	2379	2415	2586
Madison	3011	2919	2893	2867	2842	2795	2845	2847	2813	2846	2857	2840	2836	2824	2835	2819	2810	2917	2972	3039
Mahaska	3331	3326	3400	3305	3370	3321	3367	3286	3294	3273	3241	3223	3259	3262	3323	3304	3280	3235	3314	3326
Marion	5833	5809	5773	5682	5608	5442	5462	5468	5424	5332	5387	5313	5266	5320	5382	5384	5385	5525	5634	5658
Marshall	6560	6519	6529	6575	6482	6373	6414	6721	6816	6751	6775	6947	6936	6959	7124	7358	7473	7655	8043	8222
Mills	2721	2749	2703	2641	2548	2619	2656	2586	2577	2573	2599	2641	2533	2612	2632	2621	2636	2626	2587	2580
Mitchell	1858	1889	1917	1883	1894	1881	1839	1819	1810	1807	1814	1836	1808	1780	1816	1831	1896	1987	2142	2220

Table 1. Public School Enrollment in Iowa's Counties, 1979-1998 (continued).

County	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979
Monona	1683	1712	1782	1818	1795	1826	1826	1858	1832	1825	1831	1841	1844	1879	1914	1930	2007	2095	2182	2209
Monroe	1363	1369	1328	1366	1386	1364	1404	1376	1358	1364	1337	1367	1376	1410	1433	1457	1498	1518	1567	1586
Montgomery	2089	2155	2153	2125	2127	2141	2137	2219	2165	2169	2230	2182	2212	2274	2253	2278	2241	2283	2309	2376
Muscatine	7418	7499	7661	7600	7834	7740	7865	7842	7689	7602	7449	7554	7585	7536	7508	7702	7775	7815	7937	7984
O'Brien	2865	2943	3023	3060	3013	2971	2969	2930	2926	2835	2833	2804	2799	2804	2774	2807	2848	2910	2994	3066
Osceola	1069	1067	1053	1046	1038	995	1019	984	955	935	938	959	943	949	971	993	1012	1018	1153	1218
Page	3019	3120	3215	3014	3076	3090	3098	3161	3201	3208	3132	3156	3130	3169	3196	3162	3188	3243	3313	3348
Palo Alto	1943	1999	2012	2044	2064	2100	2079	2076	2048	2035	2070	2106	2001	2038	2087	2150	2220	2326	2465	2569
Plymouth	4565	4521	4549	4582	4454	4431	4364	4322	4182	4081	4067	4047	3932	3894	3888	3865	3993	4057	4265	4370
Pocahontas	1372	1383	1390	1402	1381	1350	1670	1665	1798	1668	1636	1663	1683	1722	1802	1844	1914	1951	2045	2164
Polk	60070	59685	58705	58132	57034	55975	55288	53999	53727	52029	51474	51340	51072	51299	51062	51197	51834	53303	54885	55945
Pottawattamie	16835	16797	16950	16456	16100	16095	16065	16113	15931	15667	15638	15880	15914	15981	16054	16364	16551	17062	17599	18223
Poweshiek	3078	3192	3247	3265	3188	3151	3090	3102	3011	3019	3088	3155	3098	3102	3153	3203	3318	3432	3517	3586
Ringgold	943	968	1002	1016	1047	1018	1006	1037	1020	1059	1049	1003	975	1009	1065	1118	1090	1124	1141	1179
Sac	2270	2294	2336	2341	2394	2378	2402	2401	2478	2426	2379	2423	2371	2368	2381	2447	2518	2552	2654	2741
Scott	27873	27800	28225	28126	28117	29535	28508	28422	27841	27703	27634	28112	28386	29035	30002	30567	30783	31522	32336	32732
Shelby	2516	2578	2577	2770	2719	2704	2598	2486	2425	2349	2320	2328	2371	2451	2572	2621	2650	2778	2964	3092
Sioux	4343	4362	4426	4398	4374	4358	4281	3888	4018	3895	3868	3816	3730	3737	3684	3750	3741	3835	3965	4177
Story	11024	11048	11005	11084	11023	10910	11097	10506	10166	9973	9828	9758	9513	9543	9502	9577	9638	9888	10252	10466
Tama	3419	2994	2991	3004	3060	3074	3507	3305	3279	3354	3348	3378	3412	3460	3536	3586	3678	3830	3988	4097
Taylor	1325	1325	1335	1346	1326	1314	1291	1338	1368	1410	1469	1503	1429	1493	1510	1494	1518	1548	1597	1618
Union	2226	2217	2231	2216	2258	2350	2321	2392	2375	2452	2447	2463	2483	2494	2568	2574	2568	2598	2674	2723
Van Buren	1429	1475	1453	1456	1495	1478	1449	1431	1419	1419	1441	1471	1487	1503	1531	1540	1570	1618	1686	1748
Wapello	6383	6486	6519	6510	6575	6614	6683	6667	6544	6537	6562	6795	6909	7121	7306	7313	7403	7556	7856	8028
Warren	7607	7664	7639	7663	7666	7568	7312	7261	7127	6941	7027	7144	6994	6955	6956	7048	7127	7264	7467	7443
Washington	3523	3575	3533	3465	3580	3501	3455	3495	3455	3373	3392	3403	3411	3398	3447	3470	3548	3579	3702	3793
Wayne	1148	1198	1256	1265	1217	1202	1249	1280	1247	1206	1201	1209	1237	1259	1307	1368	1396	1399	1414	1417
Webster	5830	6034	6209	6042	6057	6099	6052	6069	6130	6093	6164	6138	6283	6278	6359	6457	6607	7029	7358	7646
Winnebago	2848	2829	2900	2990	2966	2920	2892	2860	2901	2844	2766	2795	2771	2759	2744	2758	2751	2829	2975	3158
Winnesiek	2774	2861	2877	2863	2868	2870	2780	2725	2663	2605	2647	2598	2590	2573	2540	2572	2704	2771	2882	2973
Woodbury	18388	18692	18562	18226	18081	17880	18030	18203	17661	17618	17422	17485	17169	16984	16953	17146	17062	17401	17994	18325
Worth	1194	1180	1175	1192	1230	1201	1237	1217	1137	1131	1183	1184	1246	1279	1296	1300	1351	1409	1429	1508
Wright	2968	3100	3128	3137	3184	2876	2813	2818	2759	2745	2721	2870	2786	2876	2910	2960	2983	3075	3212	3402
State of Iowa	493239	496297	497899	496386	494539	492520	489670	486235	482171	476605	476114	478982	479282	483444	488673	495821	503545	516174	533756	548073

Table 2. Non-Public School Enrollment in Iowa's Counties, 1979-1998.

County	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979
Adair	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Adams	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Allamakee	162	171	177	188	191	175	194	197	187	183	199	192	207	219	214	217	215	190	185	177
Appanoose	70	65	64	65	68	66	57	54	89	88	81	111	110	95	106	119	113	113	108	105
Audubon	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Benton	114	115	123	130	128	128	132	123	161	152	143	139	102	131	144	149	156	151	164	154
Black Hawk	3115	3160	3252	3363	3272	3674	3727	3731	3832	3715	3806	3809	3754	3725	3827	3858	3776	3726	3781	3855
Boone	224	249	273	270	251	245	242	252	277	306	331	337	329	329	338	317	285	264	242	249
Bremer	208	224	226	240	244	252	247	263	375	376	393	399	391	301	322	336	405	395	397	385
Buchanan	260	259	258	273	292	267	245	267	252	260	311	315	340	375	390	422	446	448	430	426
Buena Vista	430	458	462	448	444	440	346	327	335	295	325	353	356	348	367	365	364	358	372	375
Butler	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Calhoun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Carroll	1499	1549	1629	1743	1778	1814	1807	1848	1862	1884	1877	1959	1989	2013	2075	2138	2226	2331	2441	2576
Cass	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cedar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	11	28
Cerro Gordo	725	725	741	730	769	779	823	793	773	813	733	667	822	732	757	750	758	671	674	701
Cherokee	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chickasaw	183	171	170	155	159	139	156	165	166	177	190	175	187	195	206	222	220	238	240	236
Clarke	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Clay	158	165	152	132	130	127	144	153	152	155	173	194	185	178	189	193	195	203	214	188
Clayton	151	156	154	157	147	154	155	162	160	164	167	173	168	158	179	183	184	193	207	223
Clinton	516	515	509	501	519	521	534	545	570	569	643	737	828	900	939	940	950	906	965	1008
Crawford	269	282	286	316	354	335	326	310	354	351	352	376	363	361	403	445	417	422	433	436
Dallas	237	224	232	209	190	171	169	177	277	294	306	311	218	200	236	245	236	212	218	224
Davis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Decatur	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Delaware	293	317	305	311	323	338	337	341	322	333	312	298	303	285	280	255	260	277	279	281
Des Moines	477	475	473	462	459	463	415	396	403	368	464	491	511	446	451	407	443	494	482	488
Dickinson	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dubuque	5555	5632	5737	5882	5969	6024	6172	6357	6148	6572	6747	6649	6895	7244	7506	7807	8046	8472	8762	9176
Emmet	28	48	26	28	33	36	37	45	48	22	18	20	28	23	0	0	0	0	0	0
Fayette	254	301	297	304	304	289	297	292	306	335	352	339	340	325	344	330	331	335	342	358

Table 2. Non-Public School Enrollment in Iowa's Counties, 1979-1998 (continued).

County	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979
Floyd	182	188	198	186	180	185	200	210	244	262	283	237	256	252	250	267	279	280	265	257
Franklin	52	50	50	50	42	47	47	44	59	52	62	59	32	34	39	36	41	27	28	31
Fremont	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Greene	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grundy	54	44	49	59	59	42	55	61	74	74	82	78	70	72	69	70	67	58	49	41
Guthrie	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hamilton	117	124	127	120	104	102	113	83	84	97	105	92	103	105	93	96	100	105	105	115
Hancock	55	56	52	57	55	57	62	70	75	74	60	56	61	62	69	70	66	72	67	79
Hardin	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	15	14
Harrison	59	57	61	52	49	49	54	45	56	65	65	68	78	78	73	65	64	65	59	57
Henry	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Howard	179	164	160	142	142	143	174	214	263	262	279	301	298	295	287	289	291	306	313	320
Humboldt	183	207	208	215	214	204	184	181	170	132	134	147	149	147	152	142	120	121	127	119
Ida	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Iowa	202	207	215	215	216	197	199	196	222	218	228	191	219	224	236	247	238	243	240	229
Jackson	523	534	557	564	567	533	540	549	559	595	593	605	608	631	642	662	634	660	676	606
Jasper	200	201	200	203	193	181	179	200	212	221	239	220	226	230	234	218	213	205	210	220
Jefferson	234	265	310	314	366	651	415	418	0	575	493	353	293	218	262	246	104	0	0	0
Johnson	845	819	802	806	808	764	756	720	766	633	609	583	571	584	586	601	604	586	610	669
Jones	208	221	211	192	216	223	214	218	242	225	244	267	282	264	268	274	268	280	286	303
Keokuk	0	0	0	0	0	0	0	0	0	0	15	0	0	0	0	95	102	102	111	115
Kossuth	791	814	824	840	857	846	904	956	934	967	1065	1287	1130	1180	1218	1294	1328	1370	1425	1484
Lee	935	970	985	978	989	986	966	966	1053	1079	1148	1143	1195	1234	1350	1383	1382	1413	1390	1420
Linn	3050	2986	2942	2903	2896	3013	2977	2953	3089	2973	3084	3080	3130	3162	3277	3286	3328	3359	3389	3472
Louisa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lucas	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lyon	125	132	144	130	129	132	145	126	125	156	158	163	174	189	186	188	187	183	175	182
Madison	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mahaska	146	158	158	164	179	195	202	208	220	211	221	227	213	197	190	192	203	189	183	184
Marion	726	755	793	814	845	847	847	831	838	826	837	812	795	785	784	778	748	736	729	751
Marshall	333	354	362	349	366	343	359	377	375	383	364	347	350	361	383	410	418	396	301	289
Mills	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mitchell	141	157	161	172	176	171	177	190	195	201	199	232	247	243	240	252	250	240	255	292

Table 2. Non-Public School Enrollment in Iowa's Counties, 1979-1998 (continued).

County	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979
Monona	53	58	69	70	61	75	76	72	79	68	88	81	88	88	88	90	93	91	91	97
Monroe	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Montgomery	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Muscatine	186	180	213	219	198	216	197	230	223	223	252	270	263	256	272	269	261	279	268	234
O'Brien	405	396	418	437	460	485	487	508	548	573	596	593	560	547	516	547	559	550	565	547
Osceola	40	37	40	37	45	49	53	55	57	73	94	101	110	112	103	114	114	116	122	114
Page	93	95	99	94	97	81	89	87	87	91	95	99	109	93	107	111	100	94	76	60
Palo Alto	190	198	222	236	235	255	259	261	279	276	276	268	263	262	275	272	259	259	268	270
Plymouth	990	999	1030	1019	1013	994	992	982	1001	1014	1004	1021	1051	1046	1058	1082	1096	1097	1139	1131
Pocahontas	93	102	110	124	115	103	194	189	181	175	131	137	135	150	148	150	154	177	186	197
Polk	4959	4912	5012	4922	4731	4614	4588	4946	5197	5091	5302	5278	5617	5646	5714	5689	5586	5480	5529	5620
Pottawattamie	1018	1004	1045	995	976	949	939	913	991	1023	1038	1081	1048	903	922	944	902	936	926	942
Poweshiek	17	17	14	11	10	11	13	22	35	21	17	13	9	8	8	0	0	0	0	0
Ringgold	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sac	0	0	0	0	0	0	0	0	0	54	61	61	55	55	68	78	79	63	67	66
Scott	2926	2987	2982	2913	2869	2786	2736	2691	2880	2999	2712	2683	2674	2805	2728	2796	2901	2978	2908	2899
Shelby	303	310	317	308	308	327	339	339	319	323	342	350	335	335	347	374	399	408	404	429
Sioux	2676	2717	2867	2871	2905	2946	2853	2892	2809	2869	2840	2686	2663	2634	2608	2354	2380	2423	2459	2506
Story	184	182	173	163	173	183	168	167	182	197	186	186	173	184	185	189	190	187	191	185
Tama	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Taylor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Union	113	112	104	108	116	118	114	123	128	130	127	146	130	94	96	105	119	125	122	108
Van Buren	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wapello	138	148	137	138	136	142	129	120	136	142	150	143	150	102	107	138	137	137	106	107
Warren	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Washington	271	274	289	292	292	264	279	272	299	307	315	284	314	312	295	296	289	280	286	276
Wayne	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Webster	1051	1104	1087	1145	1200	1225	1184	1166	1238	1260	1478	1308	1318	1375	1385	1435	1436	1491	1508	1545
Winnebago	15	19	17	20	19	22	19	17	16	13	13	11	14	12	12	12	9	10	11	12
Winneshiak	424	424	433	441	465	486	517	529	605	558	548	543	560	561	537	537	532	533	525	541
Woodbury	2398	2437	2519	2568	2656	2662	2686	2678	2730	2786	2833	2873	2909	2848	2928	2898	2839	2822	2792	2882
Worth	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wright	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
State of Iowa	42811	43436	44312	44563	44752	45341	45242	45873	46924	47959	48988	48808	49454	49558	50668	51339	51495	51956	52504	53666

Table 3. Total (Public and Non-Public) School Enrollment in Iowa's Counties, 1979-1998.

County	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979
Adair	1214	1253	1259	1281	1273	1226	1252	1184	1188	1148	1149	1224	1222	1248	1249	1277	1258	1303	1364	1428
Adams	727	733	736	754	768	755	728	770	773	767	819	816	792	804	791	776	835	842	900	937
Allamakee	2912	2944	2944	2955	3023	2951	2968	2959	2931	2953	2943	2990	3016	3101	3105	3199	3300	3288	3568	3673
Appanoose	2413	2492	2542	2557	2528	2527	2581	2572	2591	2573	2623	2686	2642	2568	2648	2714	2749	2825	2906	3030
Audubon	1137	1146	1162	1191	1178	1204	1237	1211	1211	1184	1201	1232	1266	1310	1327	1361	1387	1417	1499	1562
Benton	4416	4388	4428	4302	4245	4249	4494	4445	4486	4449	4334	4372	4380	4437	4474	4588	4690	4886	5087	5193
Black Hawk	21063	21477	21535	21808	21790	22123	21870	22356	22623	22425	22376	22628	22735	23264	23921	24580	24946	24974	25650	26471
Boone	4377	4391	4491	4482	4374	4381	4341	4295	4269	4240	4251	4211	4257	4277	4250	4273	4273	4393	4500	4599
Bremer	5516	5533	5903	6052	6059	6064	6021	5962	5969	6051	6032	6117	6244	6322	6451	6490	6678	6850	7094	7241
Buchanan	3533	3561	3641	3695	3723	3677	3691	3649	3676	3613	3616	3585	3520	3648	3747	3845	3963	4064	4134	4304
Buena Vista	4272	4350	4305	4345	4356	4338	3778	3772	3647	3425	3420	3392	3547	3424	3444	3426	3433	3498	3602	3725
Butler	2097	2124	2170	2465	2670	2643	2656	2667	2769	2741	2827	2790	2778	2846	2918	2994	3055	3193	3291	3373
Calhoun	2532	2571	2612	2639	2755	2698	2609	2602	2460	2465	2324	2482	2520	2536	2580	2634	2659	2822	2913	3070
Carroll	4946	4920	5035	4982	5033	5127	5102	5027	4931	4810	4740	4647	4637	4666	4749	4848	5025	5139	5393	5588
Cass	3048	3110	3180	3233	3230	3188	3194	3261	3236	3238	3162	3215	3200	3228	3248	3299	3347	3457	3566	3645
Cedar	3647	3670	3672	3659	3629	3588	3674	3640	3671	3597	3589	3530	3518	3564	3677	3717	3799	3859	3992	4173
Cerro Gordo	7908	8012	8154	8167	8177	8136	8144	8142	8093	8095	8077	8103	8123	8004	8051	7970	7970	8164	8395	8679
Cherokee	2311	2318	2369	2737	2809	3082	2810	2794	2791	2767	2828	2899	2824	2873	2922	2979	3025	3108	3216	3333
Chickasaw	2750	2797	2559	2547	2514	2491	2502	2504	2533	2536	2578	2597	2664	2761	2819	2906	2991	3101	3301	3391
Clarke	1834	1782	1793	1789	1755	1713	1753	1745	1722	1634	1702	1736	1664	1656	1600	1658	1643	1667	1694	1677
Clay	3044	3135	3138	3178	3187	3198	3602	3603	3571	3547	3539	3443	3430	3527	3538	3552	3534	3605	3727	3839
Clayton	3730	3867	3878	3900	3907	3894	3892	3931	3940	3949	3983	3962	3928	4034	4091	4133	4190	4260	4342	4586
Clinton	9338	9416	9460	9563	9705	9797	9899	9963	9895	9928	10017	10122	10454	10716	10889	11205	11585	11869	12227	12617
Crawford	2880	2960	2907	2976	3105	3263	3282	3520	3597	3630	3780	3874	3940	4001	4025	4081	4146	4174	4221	4356
Dallas	8311	8245	7989	7798	7440	7231	7056	6953	6904	6711	6656	6666	6476	6449	6370	6358	6383	6570	6674	6793
Davis	1221	1251	1310	1319	1360	1388	1410	1423	1398	1365	1430	1440	1473	1492	1514	1534	1573	1600	1608	1608
Decatur	1436	1420	1385	1385	1444	1342	1442	1460	1480	1458	1457	1543	1553	1533	1558	1604	1655	1692	1687	1763
Delaware	3972	4110	4117	4122	4060	4092	4016	3949	3903	3786	3776	3725	3703	3679	3714	3935	3859	3956	4069	4257
Des Moines	7568	7779	7955	7965	8074	8106	8060	8111	8165	8118	8229	8311	8324	8208	8240	8212	8474	8747	9089	9420
Dickinson	2850	2844	2895	2856	2852	2747	2790	2771	2807	2804	2735	2741	2754	2789	2825	2819	2796	2832	2938	2957
Dubuque	17809	18023	18257	18363	18336	18404	18235	18250	18017	18591	18979	19463	20000	19652	20149	20748	21416	22327	23406	24294
Emmet	2055	2084	2109	2252	2281	2296	2284	2316	2326	2346	2350	2328	2328	2392	2655	2516	2557	2657	2677	2778
Fayette	4630	4686	4718	4757	4818	4759	4778	4732	4755	4731	4764	4774	4849	5049	5197	5494	5587	5669	6007	6187

Table 3. Total (Public and Non-Public) School Enrollment in Iowa's Counties, 1979-1998 (continued).

County	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979
Floyd	3193	3282	3334	3298	3365	3356	3424	3417	3418	3404	3494	3475	3509	3602	3760	3832	3998	4140	4269	4416
Franklin	1963	2049	2215	2096	1947	1909	2015	1985	2044	1908	1824	1792	1840	1840	1858	1923	1906	1923	1973	2074
Fremont	1621	1612	1650	1673	1679	1696	1692	1704	1688	1672	1671	1717	1736	1743	1804	1764	1752	1728	1769	1820
Greene	2078	2024	2026	2004	1992	1975	1949	1996	1905	1887	1894	1841	1934	2019	2063	2023	2103	2223	2329	2451
Grundy	2542	3018	3068	2811	2806	2769	2795	2322	2297	2341	2396	2419	2488	2560	2640	2692	2783	2883	2904	3049
Guthrie	2331	2325	2326	2330	2347	2425	2411	2453	2477	2424	2434	2581	2575	2626	2660	2716	2725	2757	2885	2980
Hamilton	3116	3114	3156	3192	3199	3152	3187	3171	3183	3281	3161	3173	3158	3212	3269	3331	3418	3511	3644	3806
Hancock	2110	2159	2181	2127	2141	2377	2394	2467	2468	2426	2462	2446	2442	2466	2434	2494	2509	2609	2650	2805
Hardin	3489	3541	3656	3672	3707	3714	3707	4022	3956	3956	3959	3787	4055	4086	4230	4362	4452	4546	4801	4860
Harrison	3449	3438	3406	3401	3376	3059	3117	3077	3072	2991	3114	3142	3119	3183	3281	3297	3373	3439	3535	3661
Henry	3863	3844	3773	3822	3950	3904	3960	3861	4161	3668	3618	3593	3637	3607	3585	3597	3645	3672	3764	3754
Howard	2262	2322	2322	2388	2428	2334	2342	2357	2382	2325	2334	2346	2378	2398	2388	2512	2575	2642	2792	2958
Humboldt	2103	2132	2131	2149	2150	2144	2100	2129	2082	2031	2021	2074	2046	2114	2143	2169	2244	2355	2466	2524
Ida	1484	1546	1553	1578	1628	1750	1644	1585	1580	1569	1525	1544	1489	1446	1395	1423	1462	1446	1513	1588
Iowa	3078	2992	2963	2931	3301	3188	3172	3109	3050	2853	2815	2795	2858	2922	2887	2966	3065	3196	3356	3459
Jackson	4080	4124	4216	4219	4247	4265	4265	4224	4180	4183	4248	4358	4338	4440	4640	4865	4839	4981	5131	5203
Jasper	6638	6530	6618	6568	6511	6673	6590	6639	6556	6559	6558	6672	6654	6693	6690	6816	6803	7102	7244	7428
Jefferson	2431	2410	2444	2451	2396	2662	2429	2520	1977	2551	2513	2370	2329	2338	2508	2528	2453	2467	2596	2656
Johnson	13839	13811	13589	13501	12793	12675	12410	12108	11836	11586	11645	11136	10929	10882	10726	10784	10961	10967	11206	11231
Jones	3619	3703	3724	3715	3778	3746	3551	3429	3456	3529	3523	3582	3649	3734	3785	3820	3905	3982	4236	4349
Keokuk	2384	2446	2471	2488	2445	2440	2399	2437	2447	2436	2425	2429	2395	2451	2450	2497	2464	2582	2729	2835
Kossuth	3414	3508	3572	3552	3564	3573	3589	3635	3636	3616	3626	3774	3713	3898	3972	4101	4211	4356	4608	4744
Lee	7124	7194	7326	7440	7525	7551	7506	7499	7433	7366	7471	7678	7745	7766	7833	7990	8153	8228	8425	8694
Linn	35141	34881	34554	33884	33518	32894	32386	31698	31499	31397	31827	31884	32090	32616	33237	33852	34719	35555	36675	37835
Louisa	2837	2925	2987	2992	2882	2848	2824	2720	2803	2852	2842	2838	2829	2824	2817	2918	2887	3041	3115	3150
Lucas	1550	1620	1632	1581	1594	1620	1580	1583	1574	1607	1587	1655	1647	1647	1678	1701	1733	1769	1832	1855
Lyon	2211	2322	2377	2409	2447	2425	2407	2382	2389	2432	2446	2481	2460	2428	2392	2415	2503	2562	2590	2768
Madison	3011	2919	2893	2867	2842	2795	2845	2847	2813	2846	2857	2840	2836	2824	2835	2819	2810	2917	2972	3039
Mahaska	3477	3484	3558	3469	3549	3516	3569	3494	3514	3484	3462	3450	3472	3459	3513	3496	3483	3424	3497	3510
Marion	6559	6564	6566	6496	6453	6289	6309	6299	6262	6158	6224	6125	6061	6105	6166	6162	6133	6261	6363	6409
Marshall	6893	6873	6891	6924	6848	6716	6773	7098	7191	7134	7139	7294	7286	7320	7507	7768	7891	8051	8344	8511
Mills	2721	2749	2703	2641	2548	2619	2656	2586	2577	2573	2599	2641	2533	2612	2632	2621	2636	2626	2587	2580
Mitchell	1999	2046	2078	2055	2070	2052	2016	2009	2005	2008	2013	2068	2055	2023	2056	2083	2146	2227	2397	2512

Table 3. Total (Public and Non-Public) School Enrollment in Iowa's Counties, 1979-1998 (continued).

County	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979
Monona	1736	1770	1851	1888	1856	1901	1902	1930	1911	1893	1919	1922	1932	1967	2002	2020	2100	2186	2273	2306
Monroe	1363	1369	1328	1366	1386	1364	1404	1376	1358	1364	1337	1367	1376	1410	1433	1457	1498	1518	1567	1586
Montgomery	2089	2155	2153	2125	2127	2141	2137	2219	2165	2169	2230	2182	2212	2274	2253	2278	2241	2283	2309	2376
Muscatine	7604	7679	7874	7819	8032	7956	8062	8072	7912	7825	7701	7824	7848	7792	7780	7971	8036	8094	8205	8218
O'Brien	3270	3339	3441	3497	3473	3456	3456	3438	3474	3408	3429	3397	3359	3351	3290	3354	3407	3460	3559	3613
Osceola	1109	1104	1093	1083	1083	1044	1072	1039	1012	1008	1032	1060	1053	1061	1074	1107	1126	1134	1275	1332
Page	3112	3215	3314	3108	3173	3171	3187	3248	3288	3299	3227	3255	3239	3262	3303	3273	3288	3337	3389	3408
Palo Alto	2133	2197	2234	2280	2299	2355	2338	2337	2327	2311	2346	2374	2264	2300	2362	2422	2479	2585	2733	2839
Plymouth	5555	5520	5579	5601	5467	5425	5356	5304	5183	5095	5071	5068	4983	4940	4946	4947	5089	5154	5404	5501
Pocahontas	1465	1485	1500	1526	1496	1453	1864	1854	1979	1843	1767	1800	1818	1872	1950	1994	2068	2128	2231	2361
Polk	65029	64597	63717	63054	61765	60589	59876	58945	58924	57120	56776	56618	56689	56945	56776	56886	57420	58783	60414	61565
Pottawattamie	17853	17801	17995	17451	17076	17044	17004	17026	16922	16690	16676	16961	16962	16884	16976	17308	17453	17998	18525	19165
Poweshiek	3095	3209	3261	3276	3198	3162	3103	3124	3046	3040	3105	3168	3107	3110	3161	3203	3318	3432	3517	3586
Ringgold	943	968	1002	1016	1047	1018	1006	1037	1020	1059	1049	1003	975	1009	1065	1118	1090	1124	1141	1179
Sac	2270	2294	2336	2341	2394	2378	2402	2401	2478	2480	2440	2484	2426	2423	2449	2525	2597	2615	2721	2807
Scott	30799	30787	31207	31039	30986	32321	31244	31113	30721	30702	30346	30795	31060	31840	32730	33363	33684	34500	35244	35631
Shelby	2819	2888	2894	3078	3027	3031	2937	2825	2744	2672	2662	2678	2706	2786	2919	2995	3049	3186	3368	3521
Sioux	7019	7079	7293	7269	7279	7304	7134	6780	6827	6764	6708	6502	6393	6371	6292	6104	6121	6258	6424	6683
Story	11208	11230	11178	11247	11196	11093	11265	10673	10348	10170	10014	9944	9686	9727	9687	9766	9828	10075	10443	10651
Tama	3419	2994	2991	3004	3060	3074	3507	3305	3279	3354	3348	3378	3412	3460	3536	3586	3678	3830	3988	4097
Taylor	1325	1325	1335	1346	1326	1314	1291	1338	1368	1410	1469	1503	1429	1493	1510	1494	1518	1548	1597	1618
Union	2339	2329	2335	2324	2374	2468	2435	2515	2503	2582	2574	2609	2613	2588	2664	2679	2687	2723	2796	2831
Van Buren	1429	1475	1453	1456	1495	1478	1449	1431	1419	1419	1441	1471	1487	1503	1531	1540	1570	1618	1686	1748
Wapello	6521	6634	6656	6648	6711	6756	6812	6787	6680	6679	6712	6938	7059	7223	7413	7451	7540	7693	7962	8135
Warren	7607	7664	7639	7663	7666	7568	7312	7261	7127	6941	7027	7144	6994	6955	6956	7048	7127	7264	7467	7443
Washington	3794	3849	3822	3757	3872	3765	3734	3767	3754	3680	3707	3687	3725	3710	3742	3766	3837	3859	3988	4069
Wayne	1148	1198	1256	1265	1217	1202	1249	1280	1247	1206	1201	1209	1237	1259	1307	1368	1396	1399	1414	1417
Webster	6881	7138	7296	7187	7257	7324	7236	7235	7368	7353	7642	7446	7601	7653	7744	7892	8043	8520	8866	9191
Winnebago	2863	2848	2917	3010	2985	2942	2911	2877	2917	2857	2779	2806	2785	2771	2756	2770	2760	2839	2986	3170
Winneshek	3198	3285	3310	3304	3333	3356	3297	3254	3268	3163	3195	3141	3150	3134	3077	3109	3236	3304	3407	3514
Woodbury	20786	21129	21081	20794	20737	20542	20716	20881	20391	20404	20255	20358	20078	19832	19881	20044	19901	20223	20786	21207
Worth	1194	1180	1175	1192	1230	1201	1237	1217	1137	1131	1183	1184	1246	1279	1296	1300	1351	1409	1429	1508
Wright	2968	3100	3128	3137	3184	2876	2813	2818	2759	2745	2721	2870	2786	2876	2910	2960	2983	3075	3212	3402
State of Iowa	536050	539733	542211	540949	539291	537861	534912	532108	529095	524564	525102	527790	528736	533002	539341	547160	555040	568130	586260	601739

Total School Enrollment

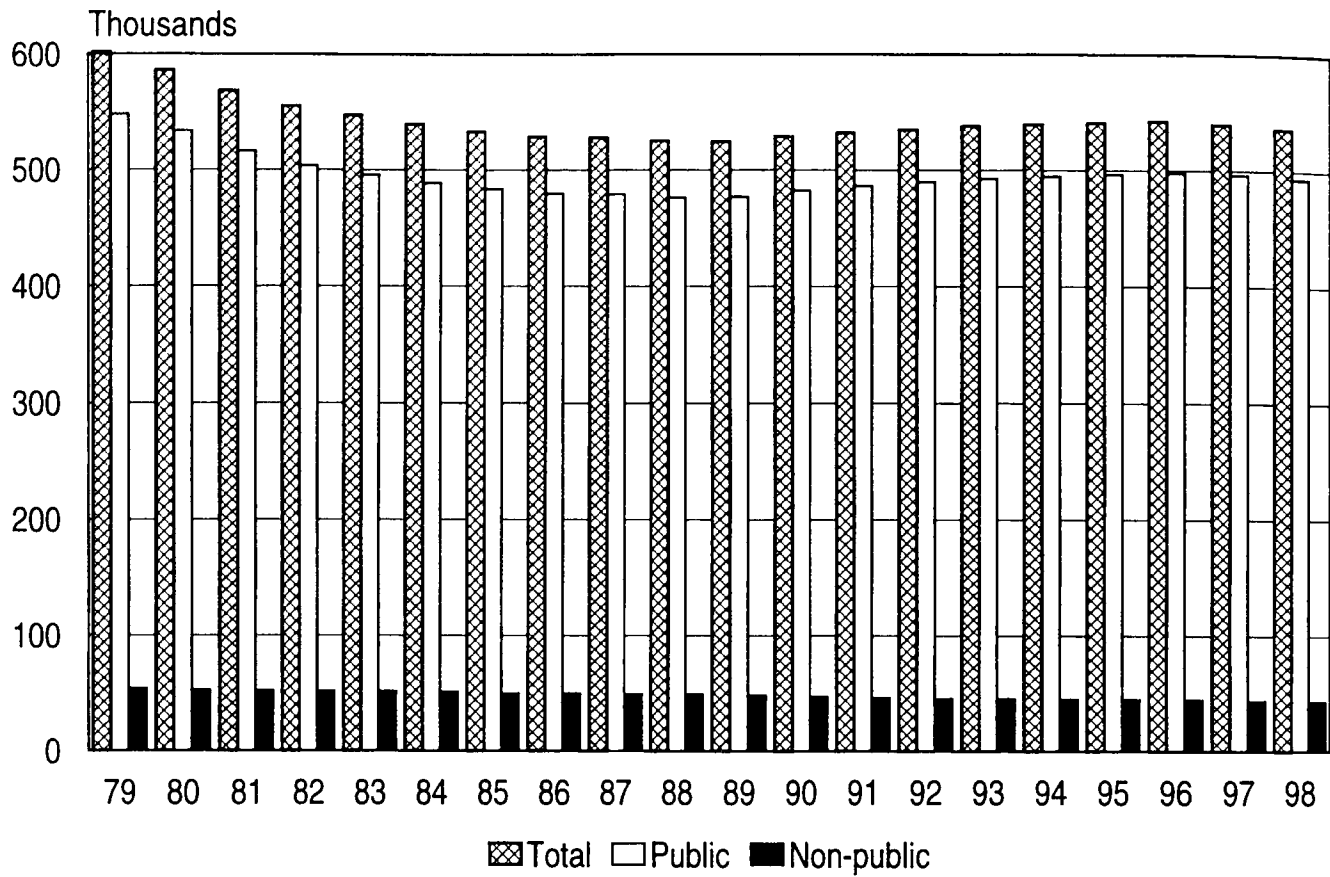
When the public and non-public figures are added, total enrollment was nearly 11,000 students higher in 1998 than in 1988 (Table 3). Increases in total student numbers occurred from 1989 to 1996 but decreases took place earlier in the 1980s and again from 1996 to 1998.

In 1998, nine counties (Black Hawk, Dubuque, Johnson, Linn, Polk, Pottawattamie, Scott, Story, Woodbury) each had more than 10,000 students; together, they had 43.6 percent of the state's total enrollees. Twenty counties had fewer than 2,000 students, although only Adams and Ringgold were below 1,000.

The total number of students increased in 44 counties when 1988 and 1998 were compared. Six of these (Dallas, Johnson, Linn, Polk, Pottawattamie, Story) reported at least 1,000 more students at the end of the period than at the beginning. Declines among total students were common; 37 of the 55 counties with fewer students in 1998 than in 1988 dropped by at least 100. Black Hawk and Dubuque were down by at least 1,000.

Note: These data are from the Basic Educational Data Survey (BEDS) for September of each year. Additional information is available from the Bureau of Planning, Research, and Evaluation in the Iowa Department of Education (Grimes State Office Building, Des Moines, IA 50319).

Figure 1. Public and non-public school enrollment, 1979-1998.



Projections of Public School Enrollment in Iowa's Counties: 1999-2000 – 2003-2004

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The Iowa Department of Education projects K-12 enrollment in Iowa's public schools five years into the future. This projection is based on the certified enrollment of previous years plus information on births. Enrollment is gathered at the school district level, not by residence of the students. Because school district boundaries do not necessarily correspond with county lines and because some districts have cooperative sharing agreements with other districts, students may have been counted in the enrollment of a county different from that in which they lived. For most students in the state, however, the county in which they live and the county in which they are counted as being enrolled are the same. Some school districts may merge in the future. That means the administrative headquarters, the location of which determines where students are counted, may change. Such changes will affect projections, thus suggesting that caution be taken in interpreting these numbers.

It is projected that the number of students in Iowa will decrease slightly from the 1998-1999 school year to that for 1999-2000 (Table 1). Then the numbers may continue to decline to 2003-2004. The change from 1998-1999 to 2003-2004 would be a decrease of about 13,800 or 2.7 percent.

Fifteen counties are projected to have more students at the end of the period than in 1998-1999, with Polk's gain of more than 2,200 twice that of the 1,000 increase in Dallas. Other gains are predicted to be rather small, with 8 under 100 and the remaining 5 varying from about 130 to 600. These increases would be less than 2 percent in 7 counties, although they could be 10 percent or more in Dallas and Louisa.

Among the 84 counties that may have fewer students in 2003-2004 than in 1998-1999, declines greater than 500 could occur in Black Hawk, Cerro Gordo, Clinton, Pottawattamie, Scott, and Webster. In 19 others, decreases are predicted to be less than 100. Percentage declines (-0.5% to -16.6%) are projected to have a greater range than the percentage gains (0.3% to 12.1%). Fifty-four of the 84 counties predicted to have declines in the numbers of students could have drops of at least 5 percent. Thirteen of these 54 could decrease by at least 10 percent (Figure 1), although only Cherokee and Hancock may have declines of 15 percent or more.

Caution is urged in examining and interpreting these figures. Changes of various types could occur that would alter these figures. Such changes would be less likely to affect projections for the state as a whole than for individual counties, where specific factors related to projections are more difficult to predict.

Note: Certified enrollment figures are collected at a different point in the school year than the Basic Educational Data Survey (BEDS), which is conducted in September of each year. Thus, the certified numbers reported for 1997-1998 and 1998-1999 differ slightly from the BEDS counts for that year reported in the previous section of this volume. Additional information is available from the Bureau of Planning, Research, and Evaluation in the Iowa Department of Education (Grimes State Office Building, Des Moines, IA 50319).

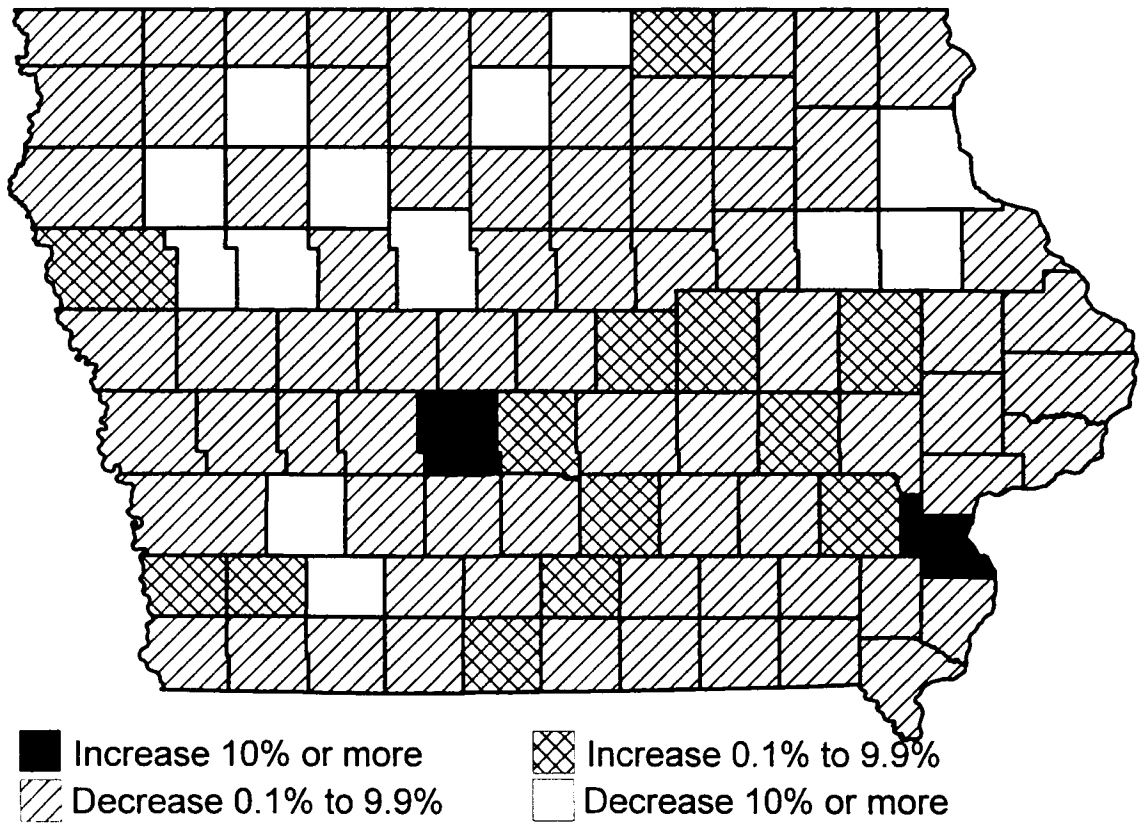
Table 1. Certified Enrollment (1996-1997, 1997-1998, 1998-1999) and Projected Enrollment (1999-2000 – 2003-2004) of K-12 Public School Students in Iowa's Counties.

County	Certified Enrollment			Projected Enrollment				
	1996-1997	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003	2003-2004
Adair	1292	1264	1257	1242	1235	1223	1208	1179
Adams	779	770	747	733	734	703	690	666
Allamakee	2875	2889	2865	2836	2804	2795	2763	2723
Appanoose	2522	2444	2414	2411	2385	2376	2375	2343
Audubon	1201	1205	1185	1147	1159	1158	1123	1107
Benton	4542	4553	4589	4528	4514	4478	4418	4322
Black Hawk	18439	18425	18208	18047	17907	17743	17471	17299
Boone	4408	4388	4351	4319	4289	4249	4230	4196
Bremer	5664	5354	5327	5309	5292	5288	5267	5265
Buchanan	3374	3331	3308	3274	3185	3100	3029	2954
Buena Vista	3896	3961	3956	3960	3927	3889	3863	3855
Butler	2203	2175	2147	2097	2070	2048	2006	1958
Calhoun	2657	2588	2543	2478	2460	2409	2400	2379
Carroll	3472	3482	3505	3465	3449	3405	3334	3246
Cass	3238	3155	3098	3031	2946	2831	2751	2682
Cedar	3710	3746	3699	3695	3683	3665	3663	3655
Cerro Gordo	7445	7330	7258	7163	7069	6912	6799	6690
Cherokee	2412	2431	2373	2299	2222	2143	2054	1978
Chickasaw	2441	2669	2595	2544	2508	2464	2428	2360
Clarke	1789	1784	1827	1805	1782	1736	1726	1694
Clay	3079	3057	2954	2881	2805	2694	2610	2531
Clayton	3742	3735	3631	3565	3484	3398	3301	3226
Clinton	9193	9114	9061	8992	8871	8792	8623	8517
Crawford	2730	2806	2704	2688	2678	2632	2609	2601
Dallas	7923	8194	8281	8417	8596	8783	9046	9283
Davis	1385	1323	1290	1246	1223	1193	1172	1165
Decatur	1400	1431	1504	1478	1489	1517	1522	1528
Delaware	3816	3788	3683	3600	3538	3409	3330	3228
Des Moines	7576	7508	7379	7246	7134	7065	7052	6990
Dickinson	2966	2948	2941	2907	2867	2830	2806	2809
Dubuque	12835	12744	12606	12485	12473	12488	12479	12476
Emmet	2159	2158	2138	2102	2050	1997	1988	1977
Fayette	4506	4527	4452	4411	4356	4273	4201	4153
Floyd	3149	3119	3042	3006	2973	2936	2920	2885
Franklin	2104	2067	2033	1989	1955	1935	1909	1888
Fremont	1689	1684	1666	1632	1608	1584	1564	1528
Greene	2033	2078	2092	2111	2090	2073	2044	2031
Grundy	3132	3075	2559	2529	2519	2481	2454	2434
Guthrie	2391	2389	2367	2327	2291	2244	2222	2200
Hamilton	3136	3111	3078	3045	3008	2948	2911	2887
Hancock	2153	2126	2047	1981	1911	1850	1787	1736
Hardin	3675	3583	3504	3436	3369	3288	3264	3161
Harrison	3431	3418	3406	3374	3325	3302	3278	3233
Henry	3834	3799	3793	3768	3717	3706	3685	3621
Howard	2208	2173	2123	2074	2034	1982	1946	1913
Humboldt	1958	1960	1969	1938	1925	1900	1856	1841
Ida	1572	1574	1509	1455	1424	1384	1337	1313
Iowa	2909	2928	2976	3003	3024	3035	3070	3065
Jackson	3607	3531	3516	3463	3409	3375	3316	3243
Jasper	6455	6422	6499	6465	6484	6461	6449	6466

Table 1. Certified Enrollment (1996-1997, 1997-1998, 1998-1999) and Projected Enrollment (1999-2000 - 2003-2004) of K-12 Public School Students in Iowa's Counties (continued).

County	Certified Enrollment			Projected Enrollment				
	1996-1997	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003	2003-2004
Jefferson	2199	2165	2180	2178	2154	2130	2103	2083
Johnson	12994	13190	13214	13193	13171	13106	13035	12988
Jones	3720	3677	3610	3590	3595	3581	3561	3552
Keokuk	2485	2497	2436	2428	2391	2387	2401	2389
Kossuth	2825	2791	2758	2746	2693	2617	2550	2484
Lee	6511	6457	6387	6353	6295	6280	6236	6198
Linn	31813	32041	32531	32677	32693	32912	32987	33126
Louisa	3073	3073	2988	3041	3091	3180	3213	3292
Lucas	1670	1646	1624	1593	1605	1619	1630	1639
Lyon	2296	2236	2174	2125	2067	2044	2010	1973
Madison	2940	2969	3038	3005	2999	3000	3004	3012
Mahaska	3567	3544	3470	3407	3355	3294	3248	3189
Marion	5855	5930	5929	5927	5966	5947	5990	5945
Marshall	6724	6749	6701	6686	6718	6768	6838	6833
Mills	2727	2788	2792	2782	2810	2859	2907	2924
Mitchell	1923	1892	1871	1886	1891	1885	1896	1889
Monona	1860	1856	1820	1810	1795	1762	1751	1744
Monroe	1369	1394	1410	1408	1387	1367	1340	1322
Montgomery	2215	2237	2183	2197	2200	2224	2208	2193
Muscatine	7848	7749	7728	7705	7672	7615	7472	7408
O'Brien	3146	3039	2930	2926	2897	2905	2899	2891
Osceola	1023	1020	994	988	969	946	942	910
Page	3046	2963	2892	2853	2827	2751	2685	2605
Palo Alto	1999	1985	1931	1915	1892	1820	1772	1743
Plymouth	4546	4509	4607	4550	4529	4551	4540	4557
Pocahontas	1402	1409	1398	1384	1350	1310	1272	1245
Poik	59566	60225	60857	61376	61843	62244	62684	63067
Pottawattamie	16887	16958	16873	16758	16622	16431	16128	15974
Poweshiek	3226	3222	3112	3094	3069	3035	3026	3005
Ringgold	1190	1163	1047	1052	1020	981	986	977
Sac	2405	2373	2308	2241	2155	2133	2107	2061
Scott	28383	28482	28175	28004	27746	27547	27292	27109
Shelby	2637	2583	2602	2581	2549	2527	2474	2427
Sioux	4353	4270	4293	4293	4232	4182	4166	4121
Story	10998	11005	11045	10908	10764	10642	10593	10563
Tama	3074	3071	3531	3531	3547	3570	3596	3622
Taylor	1445	1458	1424	1404	1386	1368	1340	1321
Union	2240	2257	2205	2148	2078	2053	2028	2017
Van Buren	1506	1542	1505	1501	1498	1489	1465	1445
Wapello	6592	6551	6488	6435	6332	6264	6249	6227
Warren	7732	7753	7751	7730	7688	7588	7562	7569
Washington	3678	3691	3662	3636	3646	3641	3683	3684
Wayne	1271	1254	1228	1196	1202	1190	1170	1126
Webster	6326	6073	5896	5751	5649	5526	5381	5301
Winnebago	2944	2910	2899	2851	2815	2764	2739	2656
Winneshiek	2851	2841	2800	2771	2750	2681	2646	2561
Woodbury	18946	18969	18875	18827	18847	19022	19194	19335
Worth	1211	1214	1214	1183	1167	1137	1106	1081
Wright	3184	3151	3096	3070	3031	2982	2950	2923
State of Iowa	505526	505130	502534	499681	496893	494020	491403	488779

Figure 1. Projected percentage change in public school enrollment, 1998-1999 to 2003-2004.



Ethnicity of K-12 Students in Iowa's Counties: 1978, 1983, 1988, and 1993-1998

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Willis Goudy, Iowa State University
James Gould, Iowa Department of Education

The Iowa Department of Education gathers information about the race and Hispanic Origin of students enrolled in public and private primary and secondary schools each year in September. Information on enrollment is gathered at the school district level, not by residence of the students. Because school district boundaries do not necessarily correspond with county lines and because some districts have cooperative sharing agreements with other districts, students may have been counted in the enrollment of a county different from that in which they lived. For most students in the state, however, the county in which they live and the county in which they are counted as being enrolled are the same. Additional caution is merited because some districts have merged between 1978 and 1998, the years for which data are reported. That means the administrative headquarters, the location of which determines where students are counted, may have changed. Such changes will affect year-to-year comparisons. As yet another caution, data for 1983 and 1988 include some pre-kindergarten students.

The Department of Education lists a student in one of five categories: American Indian, Asian American, black, Hispanic, or white. In this report, the numbers of American Indians, Asian Americans, blacks, and Hispanics are summed at times and referred to as minority enrollees.

Total and Majority K-12 School Enrollees

Students in Iowa's schools numbered 536,050 in September of 1998, about 2 percent higher than 10 years earlier. While 1998 enrollment was higher than 10 years earlier, it was 3,700 less than that of 1997.

Students listed as white totaled 491,972 in 1998 (Table 1). In annual changes from 1993 to 1998, white enrollees increased once and decreased four times. Whites decreased by more than 9,000 (-1.9%) from 1988 to 1998. They constituted 91.8 percent of school enrollees in 1998, which was a decrease from 95.1 percent in 1988.

Sixty counties had fewer white enrollees in 1998 than in 1988; declines of 1,000 or more occurred in Black Hawk, Crawford, Dubuque, Scott, and Woodbury. Gains of at least 1,000 occurred in Dallas, Johnson, Linn, and Polk. Changes among white enrollees ranged from losses exceeding 10.0 percent in 22 counties to gains greater than 10.0 percent in Dallas and Johnson. Caution is urged in examining change; for example, mergers between districts between 1988 and 1998 could have caused the administrative headquarters to change from one county to another for some students, thus increasing the numbers in one and decreasing them in another.

Minority K-12 School Enrollees

More than 44,000 minority students were enrolled in Iowa's schools in 1998. Unlike white students, minority students increased across all years reported in Table 1. In the 1988-1998 period, minority students increased more than 18,000 (70.4%), in strong contrast to the decrease experienced among white students in those years. Minorities constituted 8.2 percent of school enrollees in 1998, up from 4.9 percent in 1988 (Table 2).

Table 1. Numbers of K-12 Students in Selected Ethnic Groups in Iowa's Counties, 1978, 1983, 1988, 1993-1998.

County	American Indian K-12 Students									Asian American K-12 Students									Black K-12 Students								
	1998	1997	1996	1995	1994	1993	1988	1983	1978	1998	1997	1996	1995	1994	1993	1988	1983	1978	1998	1997	1996	1995	1994	1993	1988	1983	1978
Adair	0	0	0	2	2	4	0	0	1	9	7	8	10	10	7	7	8	2	0	0	0	0	0	0	2	0	0
Adams	0	0	0	0	0	0	0	0	0	2	1	2	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0
Allamakee	0	1	1	0	2	1	3	2	14	20	19	22	20	22	18	6	3	10	6	7	7	7	9	2	6	2	2
Appanoose	6	7	3	1	1	0	4	0	1	12	15	9	8	6	11	13	16	16	37	31	24	18	19	21	17	21	36
Audubon	6	3	4	5	2	2	0	0	0	5	3	8	8	6	4	0	10	2	2	4	2	2	3	1	1	0	0
Benton	12	5	0	4	4	5	7	6	4	18	19	18	15	18	12	12	15	11	22	18	14	6	8	14	7	4	5
Black Hawk	57	57	59	51	56	53	47	35	44	331	341	314	343	336	372	298	275	177	3153	3031	2985	2934	2817	2581	2636	2623	2481
Boone	7	11	7	7	6	6	5	3	3	30	40	40	32	32	35	34	33	18	14	19	14	12	9	9	14	7	3
Bremer	4	6	7	13	8	7	3	7	9	41	39	33	37	32	30	28	31	32	21	24	18	17	17	20	8	10	9
Buchanan	1	0	3	2	2	1	0	1	2	22	19	23	28	19	16	12	15	12	20	10	10	8	9	8	8	1	2
Buena Vista	0	2	1	3	5	3	0	0	6	258	221	211	199	197	190	60	39	17	43	32	28	17	25	18	8	8	4
Butler	0	3	2	3	4	2	2	0	1	18	16	14	13	11	12	7	6	2	3	2	2	9	4	5	1	3	0
Calhoun	7	5	3	4	4	3	1	1	6	10	12	12	13	14	10	8	9	13	6	4	7	2	4	5	3	3	1
Carroll	6	5	2	5	2	2	0	12	7	24	19	17	13	14	15	11	14	14	14	10	9	5	5	3	2	3	5
Cass	8	11	5	11	5	2	0	2	3	13	15	21	15	16	16	9	18	18	21	18	19	20	24	14	6	6	6
Cedar	9	5	1	1	1	1	0	1	0	19	17	19	18	13	12	15	18	14	17	13	12	9	8	2	4	6	4
Cerro Gordo	11	10	5	7	1	3	2	0	2	112	95	96	86	93	97	86	101	44	117	119	115	105	102	81	60	68	71
Cherokee	4	7	5	6	8	3	4	0	3	14	11	19	11	14	10	8	10	4	8	16	22	25	21	11	11	7	254
Chickasaw	5	2	4	1	1	1	1	1	0	18	13	10	10	8	2	1	2	5	10	15	11	8	5	5	2	2	2
Clarke	3	4	3	3	3	0	1	0	2	6	6	8	13	12	12	13	9	4	2	2	2	5	4	2	3	3	1
Clay	7	6	7	9	6	6	4	9	9	51	46	40	38	42	29	27	40	21	9	11	10	10	9	9	4	0	0
Clayton	8	12	9	9	2	7	4	2	5	16	10	8	11	9	9	7	18	14	15	12	10	8	11	11	8	3	0
Clinton	20	25	20	18	18	21	21	15	10	69	82	80	92	109	77	60	135	50	300	294	283	264	255	238	184	173	159
Crawford	11	2	2	4	4	7	6	2	0	37	31	33	26	30	30	41	38	19	12	13	9	10	5	4	9	6	4
Dallas	12	8	9	15	5	4	0	2	3	68	58	57	55	45	40	45	30	12	63	61	44	29	31	30	31	15	5
Davis	0	0	0	0	0	0	0	0	0	3	3	7	7	3	7	3	13	4	0	0	0	0	0	1	0	5	6
Decatur	2	6	3	4	1	3	2	2	2	11	8	11	6	9	11	19	26	17	14	15	6	3	2	4	1	3	4
Delaware	16	8	7	4	7	0	1	0	2	22	22	22	17	20	17	12	2	4	9	6	4	3	10	1	4	1	2
Des Moines	26	35	37	24	18	19	8	16	16	87	82	80	82	89	71	76	76	37	441	478	487	461	455	430	379	361	322
Dickinson	3	0	0	0	0	0	0	2	3	14	20	31	19	20	17	14	2	2	5	8	8	3	9	6	6	3	2
Dubuque	41	41	47	38	35	42	17	22	8	146	146	155	155	148	145	89	100	87	232	233	216	201	170	121	80	72	42
Emmet	4	3	4	5	6	5	10	2	3	11	12	13	13	12	14	15	15	27	5	4	6	7	4	9	4	6	3
Fayette	3	3	0	0	3	3	5	1	1	30	35	28	22	24	14	16	12	6	21	14	17	18	8	11	9	4	3

Table 1. Numbers of K-12 Students in Selected Ethnic Groups in Iowa's Counties, 1978, 1983, 1988, 1993-1998 (continued).

County	American Indian K-12 Students									Asian American K-12 Students									Black K-12 Students								
	1998	1997	1996	1995	1994	1993	1988	1983	1978	1998	1997	1996	1995	1994	1993	1988	1983	1978	1998	1997	1996	1995	1994	1993	1988	1983	1978
Floyd	0	1	2	3	4	0	1	1	1	16	14	18	23	24	30	34	19	19	15	9	10	12	6	8	5	3	1
Franklin	3	3	4	4	2	2	1	0	0	3	6	4	3	3	5	1	4	2	3	5	5	0	0	2	2	2	2
Fremont	0	1	0	0	0	0	0	3	11	0	4	2	2	2	3	0	2	1	2	1	0	0	1	0	0	1	
Greene	2	2	1	0	0	0	3	3	2	18	10	17	17	14	9	8	12	19	7	9	4	3	6	5	0	1	
Grundy	10	7	8	5	2	3	1	0	1	30	29	26	19	18	16	6	9	5	6	8	5	4	3	7	3	0	1
Guthrie	0	0	0	1	1	0	2	0	3	14	8	8	8	10	16	6	4	1	6	5	2	1	2	1	8	0	1
Hamilton	13	9	5	4	3	4	1	0	0	57	45	46	42	46	34	34	26	11	14	13	10	10	7	7	7	1	5
Hancock	1	0	0	1	0	1	0	0	1	19	11	8	8	12	13	9	10	5	1	2	3	4	6	5	0	0	0
Hardin	8	13	10	5	11	10	5	5	5	18	21	15	17	17	17	20	19	26	16	12	14	14	10	11	5	3	
Harrison	1	7	7	7	4	9	7	4	1	13	10	13	9	7	9	3	5	1	4	9	8	4	3	3	3	4	4
Henry	3	2	2	1	3	3	1	2	0	99	81	70	68	75	74	44	58	34	44	32	30	33	22	19	13	3	13
Howard	1	0	0	2	2	2	0	0	0	14	14	15	14	16	13	3	6	1	2	2	2	1	1	1	0	0	0
Humboldt	1	1	2	1	0	0	1	0	4	4	3	4	5	6	12	4	10	12	6	4	7	5	6	3	2	9	4
Ida	4	5	3	0	2	0	0	0	0	2	9	5	8	8	5	4	2	3	5	6	8	2	0	2	1	0	0
Iowa	4	5	3	5	3	5	0	3	4	24	25	21	19	18	19	20	24	23	11	7	6	8	7	7	1	0	0
Jackson	1	3	3	2	3	2	1	1	1	11	9	12	8	11	10	6	9	7	23	18	12	8	5	9	7	5	2
Jasper	6	5	8	6	6	5	6	25	1	45	59	61	54	67	76	88	62	32	31	32	22	20	19	22	14	10	12
Jefferson	2	1	2	4	5	3	0	0	0	39	37	35	29	40	31	19	25	4	12	11	14	18	20	22	20	19	12
Johnson	68	62	56	53	64	48	60	27	14	572	545	557	543	518	461	374	337	200	663	624	520	473	472	425	300	213	146
Jones	4	6	2	0	2	3	0	3	0	28	26	18	15	18	16	7	4	1	29	19	15	13	7	6	0	1	1
Keokuk	3	0	1	0	0	0	0	0	0	9	9	7	9	12	10	13	13	8	8	8	4	4	4	7	0	0	0
Kossuth	1	1	0	1	1	1	3	3	0	28	30	31	23	22	28	32	21	8	13	8	7	8	6	5	1	3	1
Lee	22	21	13	11	8	7	9	2	14	70	70	68	64	63	67	89	60	43	271	250	251	273	253	256	237	235	231
Linn	113	117	126	116	136	85	55	62	45	627	593	599	551	532	515	403	358	184	1627	1503	1405	1360	1320	1159	921	861	837
Louisa	5	7	10	6	9	11	0	0	2	7	13	12	15	14	12	7	7	3	8	4	49	6	7	14	5	0	1
Lucas	1	2	0	0	0	0	0	0	0	6	10	3	8	6	7	6	2	3	3	3	6	4	10	8	4	2	0
Lyon	1	4	7	4	3	5	2	3	5	5	8	11	8	8	9	18	23	10	2	12	6	8	7	14	4	2	4
Madison	4	3	0	0	0	0	7	0	3	9	10	8	9	8	5	2	10	2	5	6	5	6	3	4	2	3	1
Mahaska	4	5	1	4	7	5	2	5	2	49	41	46	52	65	60	65	64	46	16	15	15	15	12	9	10	5	6
Marion	6	2	3	3	8	4	6	4	2	138	109	102	108	111	85	106	94	58	31	25	19	22	23	22	12	16	23
Marshall	21	30	37	32	38	33	8	11	10	106	100	102	97	94	86	96	122	68	108	88	89	106	98	97	53	68	64
Mills	3	4	2	0	1	4	0	5	2	13	12	8	7	4	7	4	0	1	9	11	6	7	7	3	2	3	3
Mitchell	0	0	0	0	1	0	2	0	0	19	16	15	17	11	13	7	5	1	0	0	0	0	1	1	0	1	0

Table 1. Numbers of K-12 Students in Selected Ethnic Groups in Iowa's Counties, 1978, 1983, 1988, 1993-1998 (continued).

County	American Indian K-12 Students									Asian American K-12 Students									Black K-12 Students								
	1998	1997	1996	1995	1994	1993	1988	1983	1978	1998	1997	1996	1995	1994	1993	1988	1983	1978	1998	1997	1996	1995	1994	1993	1988	1983	1978
Monona	14	14	15	4	6	3	0	1	2	2	2	3	4	2	1	3	1	0	1	0	1	6	7	0	1	0	0
Monroe	1	0	0	0	0	1	2	1	1	18	17	20	19	20	16	12	0	1	9	8	8	8	3	2	7	5	2
Montgomery	3	0	0	1	1	1	2	1	2	7	5	4	4	7	2	3	4	2	3	3	2	2	6	7	4	3	4
Muscatine	17	13	11	5	6	3	5	10	6	123	122	109	111	117	103	94	74	41	69	88	88	92	86	84	67	42	56
O'Brien	7	10	4	7	5	4	2	0	0	28	24	21	14	15	15	16	15	6	6	7	4	3	3	4	4	2	0
Osceola	5	5	8	5	5	4	3	3	0	5	5	2	6	5	2	8	3	0	8	9	7	7	5	2	0	4	0
Page	6	6	2	5	1	0	4	5	3	33	37	19	24	40	32	22	9	5	88	137	16	14	12	10	16	4	3
Palo Alto	4	5	3	3	4	5	0	4	1	8	16	11	11	13	12	4	3	2	8	9	7	5	1	10	1	0	2
Plymouth	13	12	8	10	2	1	1	3	0	43	41	45	34	34	27	8	15	19	32	32	22	13	14	9	5	4	7
Pocahontas	3	4	2	1	2	0	0	0	0	18	16	14	12	14	16	2	0	0	2	8	3	2	7	3	0	0	0
Polk	312	290	263	254	241	223	120	166	255	2183	2244	2224	2186	2194	1984	1636	1645	821	5098	4931	4775	4535	4150	4148	3862	3701	3979
Pottawattamie	119	85	86	93	49	64	43	58	52	105	114	91	96	76	58	60	89	43	185	174	144	168	179	145	107	106	126
Poweshiek	10	15	8	8	0	4	1	2	3	43	41	42	41	40	54	44	45	14	33	27	26	26	17	22	7	10	11
Ringgold	0	0	0	0	0	0	0	0	0	4	4	5	4	3	5	12	6	6	2	1	1	1	1	2	2	2	1
Sac	0	0	6	0	0	0	1	0	0	4	2	1	1	2	4	2	4	4	8	4	3	1	4	4	1	1	1
Scott	328	271	260	219	171	177	91	68	95	576	645	572	558	596	545	398	367	247	3188	3182	3120	3072	3232	2973	2651	2341	2019
Shelby	5	5	9	2	1	0	0	2	2	15	14	13	15	10	10	11	17	22	10	4	6	1	1	0	2	3	4
Sioux	20	19	12	14	17	12	8	7	14	49	55	49	55	66	51	74	62	24	22	20	13	16	19	7	5	7	6
Story	26	29	28	36	16	16	8	9	10	493	458	443	471	479	452	374	261	137	264	248	253	236	219	177	125	118	120
Tama	208	200	188	170	202	173	198	184	253	22	17	18	18	22	26	25	25	17	18	19	15	9	12	14	3	2	6
Taylor	0	1	0	0	0	0	0	0	0	18	13	11	7	10	11	9	2	0	4	11	4	4	5	4	1	0	0
Union	6	3	6	2	0	2	2	0	0	10	10	8	4	1	8	17	9	5	17	11	8	6	1	1	0	1	1
Van Buren	2	1	1	2	0	0	1	0	0	7	8	2	3	10	7	7	19	6	3	2	0	2	2	1	1	0	0
Wapello	25	17	25	12	11	8	5	2	1	91	92	71	67	76	63	43	30	15	106	85	90	85	92	86	88	79	68
Warren	16	10	10	11	8	7	9	3	4	55	46	45	51	57	48	42	42	20	50	36	42	41	45	34	32	18	22
Washington	2	0	0	1	1	2	2	0	0	16	21	18	19	18	11	16	29	19	44	51	51	51	43	43	8	7	11
Wayne	1	0	0	1	0	1	0	0	0	4	11	4	10	12	10	15	7	3	9	8	6	3	2	5	2	0	0
Webster	17	12	11	10	19	14	9	5	11	86	83	82	64	55	52	52	69	68	331	344	309	315	336	302	283	294	284
Winnebago	7	10	14	11	11	8	2	6	4	33	29	28	27	26	30	27	23	15	13	13	6	4	2	2	6	3	0
Winneshiak	2	1	1	1	2	3	0	4	2	33	33	32	36	38	45	34	37	10	20	9	8	7	7	6	9	12	8
Woodbury	693	630	670	626	628	579	490	383	416	652	652	608	580	545	498	293	147	83	733	664	690	685	674	673	509	359	315
Worth	7	7	4	0	0	2	0	1	1	4	3	1	1	1	2	3	11	4	7	4	6	3	8	4	2	1	3
Wright	0	1	2	0	0	2	3	5	0	19	17	24	13	22	17	20	23	26	20	13	7	7	5	8	2	2	3
State of Iowa	2495	2298	2235	2054	1960	1790	1354	1251	1442	8466	8367	8076	7880	7939	7352	5975	5659	3235	18064	17451	16699	16108	15619	14633	12979	12034	11880

Table 1. Numbers of K-12 Students in Selected Ethnic Groups in Iowa's Counties, 1978, 1983, 1988, 1993-1998 (continued).

County	Hispanic K-12 Students									Total Minority K-12 Students									White K-12 Students								
	1998	1997	1996	1995	1994	1993	1988	1983	1978	1998	1997	1996	1995	1994	1993	1988	1983	1978	1998	1997	1996	1995	1994	1993	1988	1983	1978
Adair	4	3	3	5	7	12	2	0	0	13	10	11	17	19	23	11	8	3	1240	1249	1270	1256	1207	1229	1213	1253	1472
Adams	4	0	0	0	0	1	0	0	0	6	1	2	0	0	1	2	0	0	727	735	752	768	755	727	814	835	1017
Allamakee	20	6	8	6	7	12	5	1	4	46	33	38	33	40	33	20	8	30	2898	2911	2917	2990	2911	2935	2970	3292	3812
Appanoose	14	7	6	8	7	8	4	7	0	69	60	42	35	33	40	38	44	53	2423	2482	2515	2493	2494	2541	2648	2715	3046
Audubon	4	0	1	3	3	3	0	3	4	17	10	15	18	14	10	1	13	6	1129	1152	1176	1160	1190	1227	1231	1374	1666
Benton	18	15	16	8	12	13	6	9	3	70	57	48	33	42	44	32	34	23	4318	4371	4254	4212	4207	4450	4352	4659	5348
Black Hawk	295	287	244	208	158	154	100	102	72	3836	3716	3602	3536	3367	3160	3081	3035	2774	17641	17819	18206	18254	18756	18710	19642	21940	24466
Boone	32	25	14	8	15	20	9	6	9	83	95	75	59	62	70	62	49	33	4308	4396	4407	4315	4319	4271	4149	4231	4765
Bremer	17	15	20	20	16	15	8	8	4	83	84	78	87	73	72	47	56	54	5450	5819	5974	5972	5991	5949	6079	6629	7385
Buchanan	8	9	17	16	17	20	2	6	6	51	38	53	54	47	45	22	23	22	3510	3603	3642	3669	3630	3646	3582	3943	4451
Buena Vista	408	337	272	167	89	71	4	1	0	709	592	512	386	316	282	72	48	27	3641	3713	3833	3970	4022	3496	3352	3412	3790
Butler	5	4	4	2	4	12	1	4	3	26	25	22	27	23	31	11	13	6	2098	2145	2443	2643	2620	2625	2785	3043	3482
Calhoun	8	13	6	12	8	15	2	1	1	31	34	28	31	30	33	14	14	21	2540	2578	2611	2724	2668	2576	2469	2645	3174
Carroll	36	22	11	9	3	12	7	2	0	80	56	39	32	24	32	20	31	26	4840	4979	4943	5001	5103	5070	4639	5002	5754
Cass	5	11	17	12	14	18	7	5	5	47	55	62	58	59	50	22	31	32	3063	3125	3171	3172	3129	3144	3205	3328	3796
Cedar	26	27	30	22	35	16	11	9	3	71	62	62	50	57	31	30	34	21	3599	3610	3597	3579	3531	3643	3507	3770	4351
Cerro Gordo	265	278	275	241	246	218	191	210	242	505	502	491	439	442	399	339	379	359	7507	7652	7676	7738	7694	7745	7814	7618	8661
Cherokee	10	11	11	15	10	10	0	2	1	36	45	57	57	53	34	23	19	262	2282	2324	2680	2752	3029	2776	2894	3014	3277
Chickasaw	25	10	9	5	6	8	3	1	2	58	40	34	24	20	16	7	6	9	2739	2519	2513	2490	2471	2486	2596	2990	3560
Clarke	11	4	5	6	3	5	4	1	0	22	16	18	27	22	19	21	13	7	1760	1777	1771	1728	1691	1734	1719	1640	1706
Clay	18	13	8	7	8	14	9	0	4	85	76	65	64	65	58	44	49	34	3050	3062	3113	3123	3133	3544	3422	3492	3910
Clayton	7	7	4	9	3	3	9	4	7	46	41	31	37	25	30	28	27	26	3821	3837	3869	3870	3869	3862	3944	4166	4723
Clinton	92	88	83	83	83	68	31	32	25	481	489	466	457	465	404	296	355	244	8935	8971	9097	9248	9332	9495	9857	11244	12892
Crawford	115	65	41	23	18	18	26	14	20	175	111	85	63	57	59	82	60	43	2785	2796	2891	3042	3206	3223	3793	4091	4570
Dallas	327	247	212	142	105	68	13	5	5	470	374	322	241	186	142	89	52	25	7775	7615	7476	7199	7045	6914	6587	6331	6878
Davis	3	1	1	0	3	3	3	6	5	6	4	8	7	6	11	6	24	15	1245	1306	1311	1353	1382	1399	1441	1553	1649
Decatur	16	3	12	5	3	6	7	13	11	43	32	32	18	15	24	29	44	34	1377	1353	1353	1426	1327	1418	1532	1622	1707
Delaware	22	22	14	19	23	11	5	0	2	69	58	47	43	60	29	22	3	10	4041	4059	4075	4017	4032	3987	3716	3862	4388
Des Moines	131	163	127	124	121	128	91	102	99	685	758	731	691	683	648	554	555	474	7094	7197	7234	7383	7423	7412	7813	7980	9166
Dickinson	12	16	14	10	11	13	5	1	2	34	44	53	32	40	36	25	8	9	2810	2851	2803	2820	2707	2754	2734	2801	3052
Dubuque	95	97	96	90	105	100	30	44	31	514	517	514	484	458	408	216	238	168	17509	17740	17849	17852	17946	17827	19321	21253	25028
Emmet	88	83	89	79	63	60	27	17	6	108	102	112	104	85	88	56	40	39	1976	2007	2140	2177	2211	2196	2278	2521	2876
Fayette	47	44	42	48	38	32	23	10	60	101	96	87	88	73	60	53	27	70	4585	4622	4670	4730	4686	4718	4761	5576	6279

Table 1. Numbers of K-12 Students in Selected Ethnic Groups in Iowa's Counties, 1978, 1983, 1988, 1993-1998 (continued).

County	Hispanic K-12 Students									Total Minority K-12 Students									White K-12 Students								
	1998	1997	1996	1995	1994	1993	1988	1983	1978	1998	1997	1996	1995	1994	1993	1988	1983	1978	1998	1997	1996	1995	1994	1993	1988	1983	1978
Floyd	18	27	33	33	31	30	10	12	11	49	51	63	71	65	68	50	35	32	3233	3283	3235	3294	3291	3356	3434	3972	4534
Franklin	141	204	121	105	67	78	38	21	17	150	218	134	112	72	87	42	27	21	1899	1997	1962	1835	1837	1928	1750	1879	2214
Fremont	15	14	12	19	17	20	14	13	6	17	20	14	21	19	24	14	18	19	1595	1630	1659	1658	1677	1668	1710	1737	1880
Greene	21	22	13	9	6	5	5	1	2	48	43	35	29	26	19	16	16	24	1976	1983	1969	1963	1949	1930	1829	2089	2583
Grundy	21	11	14	22	16	5	1	3	0	67	55	53	50	39	31	11	12	7	2951	3013	2758	2756	2730	2764	2408	2772	3119
Guthrie	11	11	7	8	15	12	10	2	0	31	24	17	18	28	29	26	6	5	2294	2302	2313	2329	2397	2382	2564	2725	3097
Hamilton	42	43	41	39	29	32	23	14	17	126	110	102	95	85	77	65	41	33	2988	3046	3090	3104	3067	3110	3115	3393	3909
Hancock	48	26	22	24	27	32	12	14	6	69	39	33	37	45	51	21	24	12	2090	2142	2094	2104	2332	2343	2432	2489	2818
Hardin	108	82	76	86	55	44	12	7	13	160	132	113	122	97	81	45	37	40	3381	3524	3559	3585	3617	3626	3760	4451	5098
Harrison	9	2	8	5	4	5	6	4	0	27	28	36	25	18	26	19	17	6	3411	3378	3365	3351	3041	3091	3149	3373	3788
Henry	40	31	42	26	28	23	11	9	11	186	146	144	128	128	119	69	72	58	3658	3627	3678	3822	3776	3841	3531	3578	3914
Howard	6	3	5	7	4	4	5	2	0	23	19	22	24	23	20	8	8	1	2299	2303	2366	2404	2311	2322	2338	2567	3070
Humboldt	9	4	2	1	3	0	3	1	1	21	12	15	12	15	15	10	20	21	2111	2119	2134	2138	2129	2085	2064	2226	2638
Ida	1	2	1	0	0	1	2	0	0	12	22	17	10	10	8	7	2	3	1534	1531	1561	1618	1740	1636	1542	1460	1664
Iowa	74	58	54	46	34	20	16	11	15	113	95	84	78	62	51	37	38	42	2879	2868	2847	3223	3126	3121	2773	3041	3616
Jackson	11	14	10	7	11	9	0	3	2	46	44	37	25	30	30	14	18	12	4078	4172	4182	4222	4235	4235	4362	4827	5344
Jasper	50	38	33	38	45	46	25	15	13	132	134	124	118	137	149	133	112	58	6398	6484	6444	6393	6536	6441	6556	6705	7550
Jefferson	34	30	33	28	27	24	14	4	0	87	79	84	79	92	80	53	48	16	2323	2365	2367	2317	2570	2349	2317	2405	2750
Johnson	343	342	334	308	285	247	147	136	81	1646	1573	1467	1377	1339	1181	881	713	441	12165	12016	12034	11416	11336	11229	10283	10266	11102
Jones	9	12	6	13	12	8	1	5	1	70	63	41	41	39	33	8	13	3	3633	3661	3674	3737	3707	3518	3595	3899	4512
Keokuk	11	9	7	6	5	7	3	4	0	31	26	19	19	21	24	16	17	8	2415	2445	2469	2426	2419	2375	2415	2453	2936
Kossuth	47	49	32	25	24	24	21	13	17	89	88	70	57	53	58	57	40	26	3419	3484	3482	3507	3520	3531	3721	4172	4946
Lee	172	178	165	176	167	168	149	166	169	535	519	497	524	491	498	484	463	457	6659	6807	6943	7001	7060	7008	7227	7703	8577
Linn	473	442	414	388	345	310	273	197	191	2840	2655	2544	2415	2333	2069	1652	1478	1257	32041	31899	31340	31103	30561	30317	30369	33317	37565
Louisa	434	439	343	309	267	236	91	75	93	454	463	414	336	297	273	103	82	99	2471	2524	2578	2546	2551	2551	2740	2810	3114
Lucas	14	9	8	8	7	2	3	3	0	24	24	17	20	23	17	13	7	3	1596	1608	1564	1574	1597	1563	1650	1726	1955
Lyon	5	6	7	4	3	3	1	2	2	13	30	31	24	21	31	25	30	21	2309	2347	2378	2423	2404	2376	2461	2481	2878
Madison	11	13	4	9	7	6	12	2	4	29	32	17	24	18	15	23	15	10	2890	2861	2850	2818	2777	2830	2823	2795	3134
Mahaska	11	9	13	13	22	22	5	11	3	80	70	75	84	106	96	82	85	57	3404	3488	3394	3465	3410	3473	3381	3408	3591
Marion	32	28	28	32	21	30	24	16	7	207	164	152	165	163	141	148	130	90	6357	6402	6344	6288	6126	6168	5990	6003	6490
Marshall	560	448	350	257	176	141	59	61	55	795	666	578	492	406	357	216	262	197	6078	6225	6346	6356	6310	6416	7133	7690	8618
Mills	30	23	15	6	3	3	3	7	0	55	50	31	20	15	17	9	15	6	2694	2653	2610	2528	2604	2639	2638	2632	2669
Mitchell	2	3	2	1	2	3	3	8	6	21	19	17	18	15	17	12	14	7	2025	2059	2038	2052	2037	1999	2063	2132	2652

Table 1. Numbers of K-12 Students in Selected Ethnic Groups in Iowa's Counties, 1978, 1983, 1988, 1993-1998 (continued).

County	Hispanic K-12 Students									Total Minority K-12 Students									White K-12 Students								
	1998	1997	1996	1995	1994	1993	1988	1983	1978	1998	1997	1996	1995	1994	1993	1988	1983	1978	1998	1997	1996	1995	1994	1993	1988	1983	1978
Monona	3	10	3	0	1	4	5	1	2	20	26	22	14	16	8	9	3	4	1750	1825	1866	1842	1885	1894	1925	2109	2490
Monroe	10	10	11	11	8	6	7	1	1	38	35	39	38	31	25	28	7	5	1331	1293	1327	1348	1333	1379	1344	1496	1683
Montgomery	9	5	7	13	11	9	11	1	0	22	13	13	20	25	19	20	9	8	2133	2140	2112	2107	2116	2118	2169	2242	2454
Muscatine	1185	1156	1107	1103	1084	1037	758	617	498	1394	1379	1315	1311	1293	1227	924	743	601	6285	6495	6504	6721	6663	6835	6939	7326	7922
O'Brien	22	34	33	12	12	12	6	2	0	63	75	62	36	35	35	28	19	6	3276	3366	3435	3437	3421	3421	3388	3392	3794
Osceola	20	17	19	21	12	13	2	4	1	38	36	36	39	27	21	13	14	1	1066	1057	1047	1044	1017	1051	1049	1112	1396
Page	45	51	31	37	56	54	26	10	3	172	231	68	80	109	96	68	28	14	3043	3083	3040	3093	3062	3091	3215	3272	3511
Palo Alto	22	22	11	6	15	5	5	13	3	42	52	32	25	33	32	10	20	8	2155	2182	2248	2274	2322	2306	2378	2461	2965
Plymouth	39	34	27	14	17	15	9	3	0	127	119	102	71	67	52	23	25	26	5393	5460	5499	5396	5358	5304	5061	5072	5769
Pocahontas	15	16	5	7	5	8	0	0	0	38	44	24	22	28	27	2	0	0	1447	1456	1502	1474	1425	1837	1801	2074	2552
Polk	2332	2093	1812	1531	1299	1203	864	891	908	9925	9558	9074	8506	7884	7558	6482	6403	5963	54672	54159	53980	53259	52705	52318	50309	51245	57695
Pottawattamie	431	407	360	281	278	308	221	255	239	840	780	681	638	582	575	431	508	460	16961	17215	16770	16438	16462	16429	16600	17006	19252
Poweshiek	19	19	14	14	14	14	5	9	4	105	102	90	89	71	94	57	66	32	3104	3159	3186	3109	3091	3009	3129	3260	3650
Ringgold	2	2	0	1	0	0	0	0	1	8	7	6	6	4	7	14	8	8	960	995	1010	1041	1014	999	1001	1089	1218
Sac	21	13	12	3	1	0	0	3	0	33	19	22	5	7	8	4	8	5	2261	2317	2319	2389	2371	2394	2481	2590	2953
Scott	1357	1355	1219	1156	1205	1128	884	854	836	5449	5453	5171	5005	5204	4823	4024	3630	3197	25338	25754	25868	25981	27117	26421	26886	30159	33233
Shelby	9	14	7	7	4	4	5	6	4	39	37	35	25	16	14	18	28	32	2849	2857	3043	3002	3015	2923	2664	3026	3593
Sioux	102	77	52	37	21	21	6	4	2	193	171	126	122	123	91	93	80	46	6886	7122	7143	7157	7181	7043	6412	6067	6793
Story	175	148	181	158	135	111	96	96	82	958	883	905	901	849	756	603	484	349	10272	10295	10342	10295	10244	10509	9380	9361	10569
Tama	158	125	108	88	72	75	28	8	0	406	361	329	285	308	288	254	219	276	2588	2630	2675	2775	2766	3219	3139	3461	4077
Taylor	45	39	44	19	17	13	0	0	0	67	64	59	30	32	28	10	2	0	1258	1271	1287	1296	1282	1263	1499	1516	1658
Union	11	13	11	1	1	2	3	4	8	44	37	33	13	3	13	22	14	14	2285	2298	2291	2361	2465	2422	2592	2686	2924
Van Buren	4	6	6	1	4	4	0	2	0	16	17	9	8	16	12	9	21	6	1459	1436	1447	1487	1462	1437	1464	1557	1811
Wapello	100	65	47	39	41	27	7	10	7	322	259	233	203	220	184	143	121	91	6312	6397	6415	6508	6536	6628	6795	7444	8284
Warren	62	37	50	40	26	28	14	6	6	183	129	147	143	136	117	97	69	52	7481	7510	7516	7523	7432	7195	7070	7073	7521
Washington	128	112	91	81	71	52	11	13	15	190	184	160	152	133	108	37	49	45	3659	3638	3597	3720	3632	3626	3659	3788	4170
Wayne	8	4	5	1	0	0	0	1	1	22	23	15	15	14	16	17	8	4	1176	1233	1250	1202	1188	1233	1198	1394	1443
Webster	125	93	89	99	101	80	68	87	61	559	532	491	488	511	448	412	455	424	6579	6764	6696	6769	6813	6788	7062	7611	9190
Winnebago	52	49	39	36	28	30	41	36	22	105	101	87	78	67	70	76	68	41	2743	2816	2923	2907	2875	2841	2741	2705	3342
Winneshiek	12	6	3	4	6	6	8	15	6	67	49	44	48	53	60	51	68	26	3218	3261	3260	3285	3303	3237	3109	3168	3655
Woodbury	1770	1636	1388	1054	897	757	286	169	158	3848	3582	3356	2945	2744	2507	1578	1058	972	17281	17499	17438	17792	17798	18209	18833	18891	20740
Worth	16	15	16	20	20	17	12	6	5	34	29	27	24	29	25	17	19	13	1146	1146	1165	1206	1172	1212	1167	1332	1595
Wright	87	74	73	40	33	27	19	4	12	126	105	106	60	60	54	44	34	41	2974	3023	3031	3124	2816	2759	2831	2949	3489
State of Iowa	13397	12322	10848	9405	8504	7837	5054	4599	4264	42422	40438	37858	35447	34022	31612	25362	23543	20821	497311	501773	503091	503844	503839	503300	504272	532935	601813

Table 2. Minority Students as Percent of Total K-12 Students in Iowa's Counties, 1978, 1983, 1988, 1993-1998.

County	1998	1997	1996	1995	1994	1993	1988	1983	1978
Adair	1.0	0.8	0.9	1.3	1.5	1.8	0.9	0.6	0.2
Adams	0.8	0.1	0.3	0.0	0.0	0.1	0.2	0.0	0.0
Allamakee	1.6	1.1	1.3	1.1	1.4	1.1	0.7	0.2	0.8
Appanoose	2.8	2.4	1.6	1.4	1.3	1.5	1.4	1.6	1.7
Audubon	1.5	0.9	1.3	1.5	1.2	0.8	0.1	0.9	0.4
Benton	1.6	1.3	1.1	0.8	1.0	1.0	0.7	0.7	0.4
Black Hawk	17.9	17.3	16.5	16.2	15.2	14.4	13.6	12.2	10.2
Boone	1.9	2.1	1.7	1.3	1.4	1.6	1.5	1.1	0.7
Bremer	1.5	1.4	1.3	1.4	1.2	1.2	0.8	0.8	0.7
Buchanan	1.4	1.0	1.4	1.5	1.3	1.2	0.6	0.6	0.5
Buena Vista	16.3	13.8	11.8	8.9	7.3	7.5	2.1	1.4	0.7
Butler	1.2	1.2	0.9	1.0	0.9	1.2	0.4	0.4	0.2
Calhoun	1.2	1.3	1.1	1.1	1.1	1.3	0.6	0.5	0.7
Carroll	1.6	1.1	0.8	0.6	0.5	0.6	0.4	0.6	0.4
Cass	1.5	1.7	1.9	1.8	1.9	1.6	0.7	0.9	0.8
Cedar	1.9	1.7	1.7	1.4	1.6	0.8	0.8	0.9	0.5
Cerro Gordo	6.3	6.2	6.0	5.4	5.4	4.9	4.2	4.7	4.0
Cherokee	1.6	1.9	2.1	2.0	1.7	1.2	0.8	0.6	7.4
Chickasaw	2.1	1.6	1.3	1.0	0.8	0.6	0.3	0.2	0.3
Clarke	1.2	0.9	1.0	1.5	1.3	1.1	1.2	0.8	0.4
Clay	2.7	2.4	2.0	2.0	2.0	1.6	1.3	1.4	0.9
Clayton	1.2	1.1	0.8	0.9	0.6	0.8	0.7	0.6	0.5
Clinton	5.1	5.2	4.9	4.7	4.7	4.1	2.9	3.1	1.9
Crawford	5.9	3.8	2.9	2.0	1.7	1.8	2.1	1.4	0.9
Dallas	5.7	4.7	4.1	3.2	2.6	2.0	1.3	0.8	0.4
Davis	0.5	0.3	0.6	0.5	0.4	0.8	0.4	1.5	0.9
Decatur	3.0	2.3	2.3	1.2	1.1	1.7	1.9	2.6	2.0
Delaware	1.7	1.4	1.1	1.1	1.5	0.7	0.6	0.1	0.2
Des Moines	8.8	9.5	9.2	8.6	8.4	8.0	6.6	6.5	4.9
Dickinson	1.2	1.5	1.9	1.1	1.5	1.3	0.9	0.3	0.3
Dubuque	2.9	2.8	2.8	2.6	2.5	2.2	1.1	1.1	0.7
Emmet	5.2	4.8	5.0	4.6	3.7	3.9	2.4	1.6	1.3
Fayette	2.2	2.0	1.8	1.8	1.5	1.3	1.1	0.5	1.1
Floyd	1.5	1.5	1.9	2.1	1.9	2.0	1.4	0.9	0.7
Franklin	7.3	9.8	6.4	5.8	3.8	4.3	2.3	1.4	0.9
Fremont	1.1	1.2	0.8	1.3	1.1	1.4	0.8	1.0	1.0
Greene	2.4	2.1	1.7	1.5	1.3	1.0	0.9	0.8	0.9
Grundy	2.2	1.8	1.9	1.8	1.4	1.1	0.5	0.4	0.2
Guthrie	1.3	1.0	0.7	0.8	1.2	1.2	1.0	0.2	0.2
Hamilton	4.0	3.5	3.2	3.0	2.7	2.4	2.0	1.2	0.8
Hancock	3.2	1.8	1.6	1.7	1.9	2.1	0.9	1.0	0.4
Hardin	4.5	3.6	3.1	3.3	2.6	2.2	1.2	0.8	0.8
Harrison	0.8	0.8	1.1	0.7	0.6	0.8	0.6	0.5	0.2
Henry	4.8	3.9	3.8	3.2	3.3	3.0	1.9	2.0	1.5
Howard	1.0	0.8	0.9	1.0	1.0	0.9	0.3	0.3	0.0
Humboldt	1.0	0.6	0.7	0.6	0.7	0.7	0.5	0.9	0.8
Ida	0.8	1.4	1.1	0.6	0.6	0.5	0.5	0.1	0.2
Iowa	3.8	3.2	2.9	2.4	1.9	1.6	1.3	1.2	1.1
Jackson	1.1	1.0	0.9	0.6	0.7	0.7	0.3	0.4	0.2
Jasper	2.0	2.0	1.9	1.8	2.1	2.3	2.0	1.6	0.8

Table 2. Minority Students as Percent of Total K-12 Students in Iowa's Counties, 1978, 1983, 1988, 1993-1998
(continued).

County	1998	1997	1996	1995	1994	1993	1988	1983	1978
Jefferson	3.6	3.2	3.4	3.3	3.5	3.3	2.2	2.0	0.6
Johnson	11.9	11.6	10.9	10.8	10.6	9.5	7.9	6.5	3.8
Jones	1.9	1.7	1.1	1.1	1.0	0.9	0.2	0.3	0.1
Keokuk	1.3	1.1	0.8	0.8	0.9	1.0	0.7	0.7	0.3
Kossuth	2.5	2.5	2.0	1.6	1.5	1.6	1.5	0.9	0.5
Lee	7.4	7.1	6.7	7.0	6.5	6.6	6.3	5.7	5.1
Linn	8.1	7.7	7.5	7.2	7.1	6.4	5.2	4.2	3.2
Louisa	15.5	15.5	13.8	11.7	10.4	9.7	3.6	2.8	3.1
Lucas	1.5	1.5	1.1	1.3	1.4	1.1	0.8	0.4	0.2
Lyon	0.6	1.3	1.3	1.0	0.9	1.3	1.0	1.2	0.7
Madison	1.0	1.1	0.6	0.8	0.6	0.5	0.8	0.5	0.3
Mahaska	2.3	2.0	2.2	2.4	3.0	2.7	2.4	2.4	1.6
Marion	3.2	2.5	2.3	2.6	2.6	2.2	2.4	2.1	1.4
Marshall	11.6	9.7	8.3	7.2	6.0	5.3	2.9	3.3	2.2
Mills	2.0	1.8	1.2	0.8	0.6	0.6	0.3	0.6	0.2
Mitchell	1.0	0.9	0.8	0.9	0.7	0.8	0.6	0.7	0.3
Monona	1.1	1.4	1.2	0.8	0.8	0.4	0.5	0.1	0.2
Monroe	2.8	2.6	2.9	2.7	2.3	1.8	2.0	0.5	0.3
Montgomery	1.0	0.6	0.6	0.9	1.2	0.9	0.9	0.4	0.3
Muscatine	18.2	17.5	16.8	16.3	16.3	15.2	11.8	9.2	7.1
O'Brien	1.9	2.2	1.8	1.0	1.0	1.0	0.8	0.6	0.2
Osceola	3.4	3.3	3.3	3.6	2.6	2.0	1.2	1.2	0.1
Page	5.3	7.0	2.2	2.5	3.4	3.0	2.1	0.8	0.4
Palo Alto	1.9	2.3	1.4	1.1	1.4	1.4	0.4	0.8	0.3
Plymouth	2.3	2.1	1.8	1.3	1.2	1.0	0.5	0.5	0.4
Pocahontas	2.6	2.9	1.6	1.5	1.9	1.4	0.1	0.0	0.0
Polk	15.4	15.0	14.4	13.8	13.0	12.6	11.4	11.1	9.4
Pottawattamie	4.7	4.3	3.9	3.7	3.4	3.4	2.5	2.9	2.3
Poweshiek	3.3	3.1	2.7	2.8	2.2	3.0	1.8	2.0	0.9
Ringgold	0.8	0.7	0.6	0.6	0.4	0.7	1.4	0.7	0.7
Sac	1.4	0.8	0.9	0.2	0.3	0.3	0.2	0.3	0.2
Scott	17.7	17.5	16.7	16.2	16.1	15.4	13.0	10.7	8.8
Shelby	1.4	1.3	1.1	0.8	0.5	0.5	0.7	0.9	0.9
Sioux	2.7	2.3	1.7	1.7	1.7	1.3	1.4	1.3	0.7
Story	8.5	7.9	8.0	8.0	7.7	6.7	6.0	4.9	3.2
Tama	13.6	12.1	11.0	9.3	10.0	8.2	7.5	6.0	6.3
Taylor	5.1	4.8	4.4	2.3	2.4	2.2	0.7	0.1	0.0
Union	1.9	1.6	1.4	0.5	0.1	0.5	0.8	0.5	0.5
Van Buren	1.1	1.2	0.6	0.5	1.1	0.8	0.6	1.3	0.3
Wapello	4.9	3.9	3.5	3.0	3.3	2.7	2.1	1.6	1.1
Warren	2.4	1.7	1.9	1.9	1.8	1.6	1.4	1.0	0.7
Washington	4.9	4.8	4.3	3.9	3.5	2.9	1.0	1.3	1.1
Wayne	1.8	1.8	1.2	1.2	1.2	1.3	1.4	0.6	0.3
Webster	7.8	7.3	6.8	6.7	7.0	6.2	5.5	5.6	4.4
Winnebago	3.7	3.5	2.9	2.6	2.3	2.4	2.7	2.5	1.2
Winneshiek	2.0	1.5	1.3	1.4	1.6	1.8	1.6	2.1	0.7
Woodbury	18.2	17.0	16.1	14.2	13.4	12.1	7.7	5.3	4.5
Worth	2.9	2.5	2.3	2.0	2.4	2.0	1.4	1.4	0.8
Wright	4.1	3.4	3.4	1.9	2.1	1.9	1.5	1.1	1.2
State of Iowa	7.9	7.5	7.0	6.6	6.3	5.9	4.8	4.2	3.3

Although all counties had at least one minority student in 1998, 16 counted fewer than 25 (Table 1). Nineteen had at least 500 minority enrollees, with more than 5,000 in Polk and Scott. Ten years earlier in 1988, 36 counties reported fewer than 25 minority students and only nine exceeded 500.

The percentage of enrollees accounted for by the total of American Indian, Asian American, black, and Hispanic students changed significantly across counties when 1988 and 1998 were compared. In 1988, less than 1 percent of enrollees were minority students in 37 counties; only four counties remained under 1 percent in 1998. Black Hawk, Muscatine, Polk, and Scott were the only counties in which at least 10 percent of enrollees were in the minority category in 1988, with Scott's percentage of 13.5 the highest. By 1998, 19.8 percent of students in Woodbury were members of minority groups, as were more than 15 percent in Black Hawk, Buena Vista, Louisa, Muscatine, Polk, and Scott. Johnson, Marshall, and Tama ranged from 10.0 to 14.9 percent that year (Figure 1). The figures in Tables 1 and 2 indicate that minority enrollment grew in some of Iowa's more rural counties as well as in metropolitan areas.

Minority students declined between 1988 and 1998 in five counties, although the declines were small (-1 to -7). Increases were of a much greater magnitude. Twenty-seven counties gained at least 100 minority students. Eight of these increased by 500 or more with Polk's gain of nearly 3,800 and Woodbury's increase of more than 2,400 the highest. In percentage terms, 48 counties at least doubled their minority enrollments in 10 years; 23 of these tripled their numbers. Of course, caution is urged because relatively modest numerical changes sometimes resulted in substantial percentage changes because of the small numbers reported in 1988. High percentage increases were noted in counties in which selected industries or institutions expanded—Buena Vista (+707%), Dallas (+703%), Hardin (+337%), Louisa (+264%), Marshall (+256%), Page (+329%), Plymouth (+465%), and Washington (+285%), for example, each of which gained at least 100 minority students from 1988 to 1998.

American Indian Enrollees

Iowa's schools had 2,432 American Indian students enrolled in 1998, the fewest among the minority groups. Thirteen counties had no American Indian enrollees and 58 others had fewer than 10. Woodbury's enrollment (689) along with four others (Linn, 126; Polk, 298; Scott, 287; Tama, 204) accounted for nearly two-thirds (66.0%) of the state's American Indian students. In Monona and Tama, American Indian enrollment was the largest of the four minority groups.

Four of every five (79) counties changed by less than 10 American Indian students in either direction (+ or -) between 1988 and 1998. Three counties (Polk, Scott, Woodbury) each gained more than 150 during this period. The state's increase was 1,025 (+72.9%).

Asian American Enrollees

In 1998, Asian American students numbered 8,761 in the schools, an increase of 2,550 (+41.1%) from 1988. While all counties reported at least one Asian American enrollee, 21 had fewer than 10 in 1998. Polk's enrollment of nearly 2,200 was the largest and was a quarter (25.0%) of the state's Asian American students that year. Counties with at least 100 Asian American students were mostly those with larger cities. Twenty-eight counties had Asian Americans as their largest student minority group.

Nearly three-fourths (73) of Iowa's 99 counties had more Asian American students in 1998 than in 1988. Gains greater than 100 occurred in six counties, led by an increase exceeding 400 in Polk.

Black Enrollees

Black students (18,372) were greater in number than any of the other minority groups in 1998; this was true for all years reported in Table 1. Four metropolitan counties (Black Hawk, Linn, Polk, Scott) contained 71.8 percent of the black students in 1998. Four counties had no black students and 34 others had fewer than 10. Blacks were the largest minority group in 17 of Iowa's counties.

Black enrollees increased by 5,401 (+41.6%) between 1988 and 1998. The same four counties (Black Hawk, Linn, Polk, Scott) with the largest numbers in 1998 also experienced the greatest increases

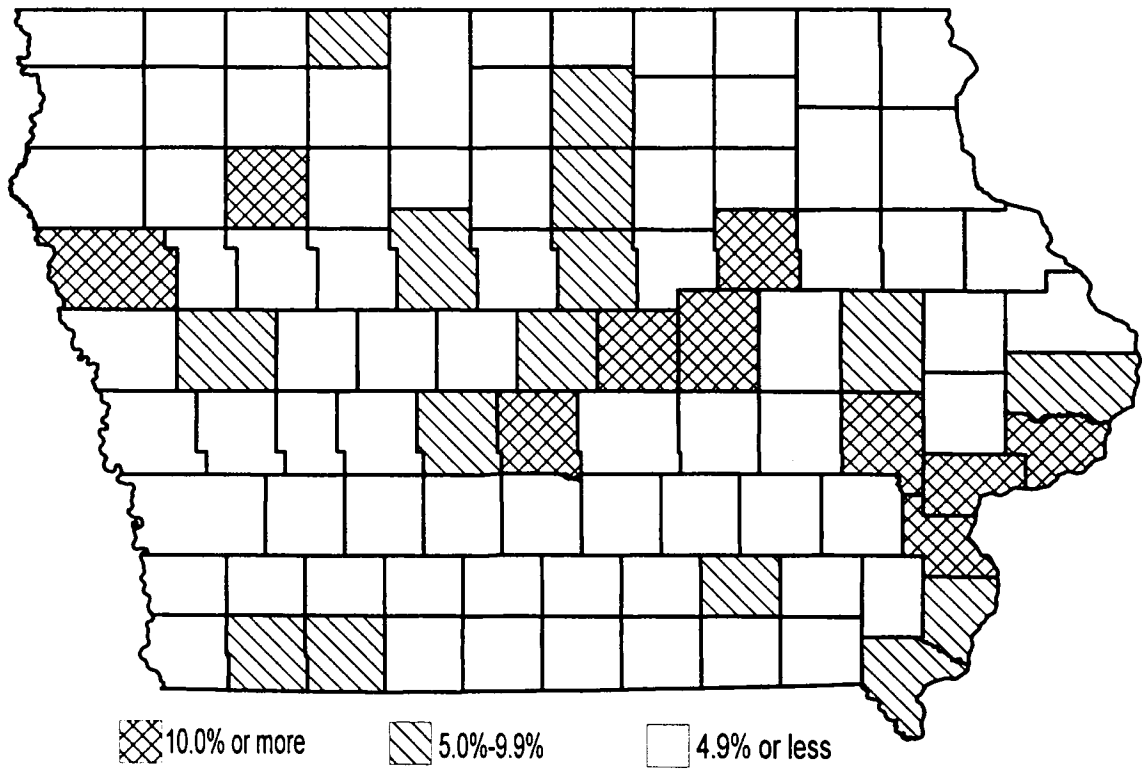
during the 10 years. Only six counties had fewer black students in 1998 than in 1988 and these drops were small; 10 others did not change.

Hispanic Enrollees

Hispanic students numbered 14,513 in 1998. Muscatine, Polk, Scott, and Woodbury each had more than 1,000 Hispanic enrollees. Nine others ranged from 250 to 500. Hispanic students constituted the largest minority group in 43 counties.

Hispanic enrollment grew more in both number (+9,231) and percentage (+174.8%) than American Indians, Asian Americans, or blacks between 1988 and 1998. Nine counties lost a few Hispanic enrollees, but increases of 100 or more took place in 16 counties; Polk and Woodbury each gained more than 1,000. Buena Vista (+477) and Dallas (+350) counties, each of which had fewer than 20 Hispanic students in 1988, increased greatly by 1998. Louisa, Marshall, Muscatine, and Scott also added at least 300 Hispanic enrollees during the 1988-1998 period.

Figure 1. Minority students as percent of total K-12 school students, 1998.



Public Secondary School Dropouts in Iowa's Counties: 1983 and 1988-1998

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Information about public school dropouts from grades seven through twelve and nongraded secondary special education classes is collected and tabulated annually for Iowa's counties by the Iowa Department of Education. A student is counted as a dropout if he or she withdraws before graduation or completion of a secondary school program for reasons other than death or transfer to any other approved secondary school program. Dropouts are counted by fiscal year, not by calendar or school year. Thus, what we have labeled as 1998 dropouts are those who left school between 1 July 1997 and 30 June 1998.

Information on dropouts is gathered at the school district level, not by residence of the students. Because school district boundaries do not necessarily correspond with county lines and because some districts have cooperative sharing agreements with other districts, students may have been counted in the enrollment of a county different from that in which they lived. For most students in the state, however, the county in which they live and the county in which they are counted as being enrolled are the same.

Public school dropouts in Iowa numbered 4,581 for 1998 (Table 1). That is the lowest total reported for any year included in the table. The highest number was the 5,652 noted in 1989, although even greater totals were reached in earlier years (Figure 1).

Polk had the highest number of dropouts in 1998; indeed, Polk had the greatest number each year from 1988 through 1998 except 1993, when Scott had the most. Other counties with at least 100 dropouts each year included Black Hawk, Dubuque, Linn, Pottawattamie, and Woodbury. Some counties had very few or no dropouts in selected years. Audubon, Ida, Lyon, and Osceola had fewer than 10 dropouts in at least 10 of the last 11 years.

The state as a whole and all counties had years between 1988 and 1998 when the number of dropouts increased and other years when the number decreased. Forty-nine counties had fewer dropouts in 1998 than in 1988. Of these 49 counties, 28 had decreases of fewer than 10 dropouts. Linn, Polk, Pottawattamie, and Scott had at least 100 fewer dropouts in 1998 than in 1988. Forty-four counties had more dropouts in 1998 than in 1988, although only Clinton and Muscatine increased by at least 50.

At the same time the number of dropouts was changing in Iowa, so was the number of school enrollees (Table 1). Student enrollment in public secondary schools declined every year in Iowa between 1988 and 1991; it increased from 1991 to 1997, only to decline again to 1998. Overall, there were about 9,200 more secondary school students in Iowa in 1998 than in 1988. Two-thirds (64) of Iowa's 99 counties had more secondary enrollees in 1998 than in 1988. Gains were greater than 200 in 18 counties, with at least 1,000 more secondary students in Johnson and Polk. Thirty-five counties recorded decreases in secondary enrollees between 1988 and 1998, with declines exceeding 200 in eight counties. Caution must be reiterated; mergers and other boundary changes could affect differences noted here.

Percentage of Dropouts

In 1998, 2.0 percent of public secondary enrollees in Iowa became dropouts (Table 2). The proportion of dropouts for Iowa varied between 2.0 and 2.6 percent for the 11 years from 1988 through 1998 but was higher in 1980 as noted in Figure 2.

There were significant variations among the counties in the percentage of students that dropped out in 1998. Thirty-two counties had fewer than 1 percent of their secondary students leave school in 1998, but Black Hawk, Louisa, Lucas, Muscatine, and Wapello had percentages ranging from 4.0 to 5.0.

Fifty-two of Iowa's counties had lower percentages of students drop out in 1998 than in 1988 while 39 counties were higher and eight remained the same. Some counties, however, were consistently among those with the highest percentages while others were consistently among the lowest.

Note: Additional information on public secondary school dropouts is available from the Division of Instructional Services in the Iowa Department of Education (Grimes State Office Building, Des Moines, IA 50319).

Table 1. Public Secondary School Dropouts and Enrollees in Iowa's Counties, 1993, 1988-1998.¹

County	1998 ²		1997		1996		1995		1994		1993		1992		1991		1990		1989		1988		1983	
	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll
Adair	15	596	10	600	13	614	7	618	3	584	12	586	2	530	3	519	4	489	0	487	0	519	6	616
Adams	2	337	2	349	3	345	3	346	3	333	2	315	12	302	9	300	12	361	3	356	3	367	0	401
Allamakee	13	1389	12	1398	9	1367	7	1386	4	1339	18	1286	11	1268	25	1233	13	1313	26	1309	12	1344	20	1655
Appanoose	43	1193	106	1222	48	1199	60	1198	37	1191	43	1160	42	1144	41	1089	45	1186	34	1188	31	1219	19	1242
Audubon	5	537	8	584	1	543	5	554	7	562	6	542	1	534	8	513	0	507	6	522	5	542	5	733
Benton	24	1926	47	2082	43	1811	52	1793	35	1806	41	1868	26	1761	30	1770	33	1874	26	1832	33	1864	37	2307
Black Hawk	397	7968	388	9214	481	8226	257	8450	318	8202	549	7813	546	7813	493	7668	488	7653	516	8075	422	8316	345	9777
Boone	44	1945	32	2039	25	1958	47	1891	52	1844	43	1755	23	1677	21	1639	34	1729	45	1784	30	1825	60	2027
Bremer	35	2697	28	3037	20	2919	21	2817	14	2713	20	2616	13	2568	17	2457	32	2615	21	2665	27	2716	26	3236
Buchanan	20	1488	37	1700	31	1572	40	1550	35	1477	41	1496	24	1485	19	1454	21	1518	28	1462	28	1457	41	1710
Buena Vista	37	1864	20	1930	35	1821	33	1864	29	1778	36	1543	34	1457	30	1423	30	1505	26	1421	24	1339	9	1430
Butler	5	1053	7	1066	6	1166	7	1193	9	1203	6	1151	5	1188	13	1144	11	1146	11	1239	8	1683	6	1527
Calhoun	7	1236	12	1292	5	1261	11	1226	7	1246	6	1219	3	1145	13	1064	10	1066	8	1066	8	1111	10	1331
Carroll	13	1647	15	1655	10	1513	16	1490	20	1461	15	1350	10	1231	10	1130	10	1164	10	1165	15	1165	15	1370
Cass	23	1556	39	1614	21	1582	28	1546	18	1466	22	1432	19	1391	26	1334	18	1367	27	1391	24	1444	16	1632
Cedar	23	1732	9	1787	21	1751	19	1710	14	1676	19	1674	23	1636	22	1574	11	1575	10	1593	18	1576	22	1911
Cerro Gordo	96	3182	130	3623	89	3345	94	3145	122	3066	66	3012	80	2956	96	2905	70	3160	93	3194	60	3231	127	3402
Cherokee	16	1160	16	1183	9	1271	25	1268	25	1266	8	1248	17	1219	16	1206	19	1228	18	1196	19	1276	16	1449
Chickasaw	12	1337	16	1186	15	1225	18	1146	14	1119	5	1110	15	1068	17	1075	9	1099	15	1136	13	1187	14	1487
Clarke	16	851	30	867	23	842	16	790	22	786	8	761	17	775	12	746	20	727	10	720	7	743	8	798
Clay	9	1475	32	1512	42	1503	21	1494	32	1481	19	1653	25	1595	15	1495	17	1469	25	1459	19	1421	28	1676
Clayton	16	1879	22	1882	15	1864	17	1813	19	1799	20	1738	16	1704	28	1680	11	1746	19	1732	16	1726	31	1938
Clinton	129	4044	140	4385	132	4112	157	4059	103	4094	87	4064	133	4075	175	3914	92	4229	109	4227	77	4345	130	5375
Crawford	20	1344	27	1326	15	1350	11	1353	17	1404	14	1407	42	1505	18	1491	21	1551	12	1559	16	1691	18	1833
Dallas	49	3602	93	3586	65	3403	65	3097	57	3041	98	2929	69	2774	64	2697	40	2705	30	2736	67	2759	60	3007
Davis	9	614	19	697	21	665	26	676	11	656	13	637	9	651	13	606	15	670	9	667	11	694	26	744
Decatur	1	677	10	689	8	653	5	699	9	594	13	640	12	690	14	642	13	643	12	664	13	725	13	817
Delaware	33	1952	22	2017	27	1919	41	1786	19	1734	13	1600	8	1536	21	1471	18	1484	26	1521	23	1543	29	1916
Des Moines	56	3365	107	3779	97	3407	73	3401	60	3358	53	3199	48	3179	70	3113	68	3573	79	3469	55	3581	124	3962
Dickinson	9	1382	16	1427	17	1367	7	1402	13	1323	13	1315	16	1246	12	1199	12	1277	10	1245	25	1184	14	1342
Dubuque	127	6434	156	6806	133	6523	135	6221	145	6063	148	5842	116	5635	130	5546	140	6088	201	6262	150	6554	207	7409
Emmet	15	992	33	1082	24	1173	7	1141	13	1133	10	1087	11	1064	16	1018	18	1100	17	1110	24	1124	18	1223
Fayette	26	2175	36	2236	34	2189	35	2222	26	2108	39	2124	25	2026	19	2003	27	2036	17	2072	32	2189	36	2764
Floyd	29	1542	44	1619	24	1513	22	1524	20	1493	28	1521	32	1483	33	1443	33	1540	27	1630	33	1683	52	1962
Franklin	17	1004	16	1141	18	991	19	976	21	944	12	900	18	873	19	852	9	821	12	757	8	770	9	899
Fremont	1	773	4	820	11	813	22	807	15	812	12	802	10	802	10	721	14	752	12	769	16	780	6	779

Table 1. Public Secondary School Dropouts and Enrollees in Iowa's Counties, 1993, 1988-1998 (continued).¹

County	1998 ²		1997		1996		1995		1994		1993		1992		1991		1990		1989		1988		1983	
	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll
Greene	3	969	7	1021	12	929	7	895	11	842	8	818	13	817	10	776	23	809	14	792	9	828	20	1067
Grundy	7	1459	4	1491	16	1353	17	1322	12	1313	12	1303	8	1047	8	1008	4	1063	8	1090	7	1117	17	1390
Guthrie	12	1149	10	1174	8	1162	18	1135	8	1098	7	1081	13	1083	16	1101	10	1087	8	1083	20	1122	14	1316
Hamilton	15	1419	11	1502	21	1440	26	1425	25	1389	23	1406	25	1322	19	1305	20	1380	29	1405	15	1463	8	1680
Hancock	20	1089	20	1091	9	1032	10	1016	7	1156	7	1102	4	1111	6	1087	7	1053	2	1082	5	1075	2	1139
Hardin	28	1807	32	1880	37	1797	35	1799	31	1676	33	1685	24	1739	18	1657	18	1764	25	1786	14	1871	22	2231
Harrison	25	1654	24	1633	20	1607	25	1624	20	1424	22	1380	27	1381	19	1350	24	1391	27	1400	26	1453	19	1683
Henry	6	1840	23	1825	50	1835	44	1814	32	1760	28	1769	21	1680	27	1636	32	1661	34	1657	18	1670	22	1769
Howard	12	1107	12	1150	11	1142	11	1147	9	1106	10	1061	3	991	4	970	10	968	7	884	4	922	7	1239
Humboldt	7	991	5	989	10	956	17	932	7	908	11	866	8	841	7	858	6	839	11	847	11	859	16	1133
Ida	2	764	3	762	2	724	8	726	14	778	1	664	2	652	6	649	3	689	3	683	6	654	5	687
Iowa	9	1272	6	1329	12	1264	9	1386	5	1277	6	1244	6	1196	3	1146	11	1125	11	1132	8	1193	9	1499
Jackson	40	1809	37	1987	38	1783	52	1785	40	1789	28	1751	25	1722	26	1666	30	1721	38	1780	24	1749	35	2187
Jasper	51	2965	62	3229	30	3055	30	2966	44	2973	56	2949	39	2875	57	2768	114	2948	83	2933	120	3099	85	3298
Jefferson	22	958	22	976	22	929	23	829	16	803	33	843	24	795	20	797	23	855	30	866	22	949	12	1126
Johnson	80	5752	46	5928	58	5443	91	5024	60	4858	64	4705	46	4490	47	4239	177	4636	135	4610	130	4740	42	4944
Jones	49	1727	49	1782	40	1721	52	1730	47	1727	34	1634	18	1461	22	1471	34	1609	14	1559	28	1606	18	1983
Keokuk	13	1164	13	1227	13	1177	17	1143	19	1132	13	1073	15	1018	14	1010	6	1042	12	1084	10	1095	11	1239
Kossuth	3	1334	7	1362	5	1285	6	1255	11	1240	13	1195	9	1131	8	1101	17	1123	11	1101	10	1109	10	1407
Lee	62	2849	106	3286	128	3068	198	3080	122	3037	94	2912	81	2851	83	2696	88	2993	101	2845	77	2946	86	3296
Linn	168	13768	139	15082	197	13276	205	13183	153	12837	135	12557	218	12098	149	11930	292	13815	433	14302	331	14150	465	16278
Louisa	53	1317	29	1380	17	1343	53	1342	27	1314	13	1319	25	1213	24	1179	36	1268	39	1236	37	1298	41	1413
Lucas	30	743	17	799	24	754	33	777	16	782	15	754	10	701	12	675	18	714	26	726	25	775	31	872
Lyon	5	1055	7	1127	13	1140	8	1165	8	1130	5	1031	4	1020	9	972	5	979	2	974	8	998	4	1103
Madison	16	1425	9	1412	22	1414	16	1386	15	1377	8	1304	9	1217	21	1232	27	1302	14	1268	30	1326	21	1343
Mahaska	38	1541	37	1622	42	1462	41	1453	81	1410	35	1388	28	1346	28	1370	24	1369	40	1376	39	1420	52	1574
Marion	42	2773	53	2733	52	2615	54	2516	31	2424	34	2364	38	2347	32	2313	45	2346	32	2380	39	2431	31	2606
Marshall	47	3190	58	3390	52	3131	41	2941	19	2852	22	2817	45	2795	70	2711	97	3087	109	3083	75	3181	63	3831
Mills	14	1313	32	1340	24	1247	24	1225	28	1172	25	1160	25	1115	18	1165	20	1179	17	1175	17	1206	12	1184
Mitchell	6	926	7	953	8	937	7	898	5	873	10	858	9	843	10	816	14	840	3	903	8	917	12	975
Monona	14	811	21	910	27	899	20	847	15	847	19	834	14	832	16	835	14	851	12	848	13	872	22	980
Monroe	17	643	13	645	23	639	15	599	13	592	14	590	19	579	12	551	15	591	11	576	15	585	23	734
Montgomery	18	990	18	984	15	958	23	953	15	961	13	986	23	963	16	881	16	985	15	971	20	983	26	1039
Muscatine	156	3548	217	3825	194	3513	186	3701	158	3475	114	3446	87	3288	80	3144	86	3253	118	3386	97	3414	100	3671
O'Brien	15	1469	18	1532	17	1488	14	1465	11	1347	21	1336	16	1295	16	1294	16	1343	20	1322	10	1346	12	1454
Osceola	4	483	0	516	3	464	4	460	1	444	7	433	2	408	7	391	9	441	3	433	8	457	2	506

Table 1. Public Secondary School Dropouts and Enrollees in Iowa's Counties, 1993, 1988-1998 (continued).¹

County	1998 ²		1997		1996		1995		1994		1993		1992		1991		1990		1989		1988		1983	
	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll
Page	15	1683	38	1764	50	1542	33	1540	32	1508	33	1506	28	1482	41	1454	33	1530	37	1495	37	1485	29	1447
Palo Alto	10	1056	9	1051	5	1031	11	1024	17	1031	11	1021	11	959	12	955	7	952	18	941	7	935	13	1157
Plymouth	20	2190	14	2261	20	2198	27	2150	7	2077	14	1972	19	1887	24	1788	32	1816	36	1818	9	1800	13	1939
Pocahontas	2	680	2	719	9	657	1	634	6	638	6	748	10	729	9	812	13	758	4	779	7	839	6	1028
Polk	736	25876	543	26387	522	25290	644	24316	610	23772	579	23006	820	21952	994	21201	889	23436	952	23710	1064	23888	804	25965
Pottawattamie	150	7339	226	8351	144	7324	157	6988	142	6864	120	6633	113	6516	175	6225	255	6421	332	6620	376	6863	190	7474
Poweshiek	8	1478	14	1536	24	1513	12	1449	30	1427	27	1369	28	1257	31	1252	21	1333	29	1394	34	1498	23	1645
Ringgold	3	527	3	520	2	514	6	469	5	441	13	449	10	457	3	413	3	432	8	446	2	459	8	519
Sac	9	1123	7	1136	16	1123	19	1137	25	1114	19	1098	11	1080	8	1006	7	1025	16	1032	6	1024	7	1237
Scott	334	12690	433	13866	400	12963	401	13218	453	12594	631	12300	527	12106	540	11811	523	12558	511	12545	526	12996	436	14896
Shelby	15	1327	13	1310	17	1388	15	1326	16	1337	12	1224	3	1218	8	1083	17	1111	18	1236	19	1200	18	1498
Sioux	15	2084	16	2201	2	2075	4	2000	10	1929	16	1830	16	1478	13	1614	15	1653	13	1675	14	1673	14	1835
Story	27	5245	37	5486	50	5143	56	4964	57	4724	58	4617	43	4291	57	4126	48	4155	42	4228	52	4249	68	4695
Tama	35	1419	26	1443	30	1389	27	1437	39	1432	31	1556	32	1506	21	1468	18	1473	16	1407	11	1624	49	1917
Taylor	10	620	5	640	10	600	17	585	4	561	2	538	5	503	4	527	6	540	4	623	2	651	4	735
Union	29	1129	36	1176	18	1100	39	1101	29	1132	18	1062	20	1082	13	1073	23	1166	14	1166	15	1142	19	1191
Van Buren	15	722	13	732	13	682	22	698	8	662	16	644	12	621	9	599	13	639	9	624	6	643	20	760
Wapello	120	3006	77	3221	107	3016	111	2912	77	3031	110	3011	124	2949	70	2854	62	2932	72	3134	119	3204	84	3351
Warren	99	3621	85	3725	93	3643	140	3474	81	3400	34	3206	33	3190	45	2960	76	3122	72	3215	59	3309	49	3453
Washington	35	1628	57	1655	25	1554	46	1593	41	1546	38	1498	41	1465	26	1472	25	1541	23	1549	37	1573	11	1800
Wayne	11	581	16	589	22	580	5	560	4	561	5	570	4	592	18	567	12	566	10	582	10	579	8	676
Webster	80	2675	109	3169	69	2664	86	2642	83	2586	73	2548	72	2557	64	2394	71	2456	110	2573	125	2791	38	3315
Winnebago	18	1382	23	1428	19	1458	34	1401	25	1276	30	1254	20	1237	14	1182	19	1237	16	1261	14	1225	1	1329
Winneshiek	10	1513	12	1542	6	1468	9	1382	23	1367	22	1283	17	1209	9	1206	10	1200	8	1270	9	1267	10	1478
Woodbury	239	8661	266	9215	268	8344	170	7840	297	7639	280	7472	252	7660	287	7203	219	8046	216	7941	203	8836	163	8891
Worth	10	555	17	577	11	555	5	535	10	529	9	531	6	515	7	495	12	495	5	525	10	556	10	667
Wright	25	1464	21	1496	19	1467	19	1472	10	1252	10	1198	10	1201	10	1118	12	1210	14	1204	17	1231	11	1424
State of Iowa	4581	231295	5033	244502	4834	230039	4985	225443	4645	219708	4768	214157	4783	207948	5030	201742	5270	213888	5652	216251	5498	222112	5086	249885

¹This table includes public school dropouts from grades 7 through 12 and nongraded secondary special education classes. Dropouts are students who withdraw before graduation or completion of a secondary school program for reasons other than death or transfer to another approved program. Students may have been counted in the enrollment of a county different from that in which they lived because school district boundaries do not necessarily coincide with county lines and because school districts may have cooperative sharing agreements.

²This refers to the state's fiscal year; the label "1998" covers the period from 1 July 1997 through 30 June 1998, for example.

Table 2. Percentage of Public Secondary School Dropouts in Iowa's Counties, 1983, 1988-1998.

County	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1983
Adair	2.5	1.7	2.1	1.1	0.5	2.0	0.4	0.6	0.8	0.0	0.0	1.0
Adams	0.6	0.6	0.9	0.9	0.9	0.6	4.0	3.0	3.3	0.8	0.8	0.0
Allamakee	0.9	0.9	0.7	0.5	0.3	1.4	0.9	2.0	1.0	2.0	0.9	1.2
Appanoose	3.6	8.7	4.0	5.0	3.1	3.7	3.7	3.8	3.8	2.9	2.5	1.5
Audubon	0.9	1.4	0.2	0.9	1.2	1.1	0.2	1.6	0.0	1.1	0.9	0.7
Benton	1.2	2.3	2.4	2.9	1.9	2.2	1.5	1.7	1.8	1.4	1.8	1.6
Black Hawk	5.0	4.2	5.8	3.0	3.9	7.0	7.0	6.4	6.4	6.4	5.1	3.5
Boone	2.3	1.6	1.3	2.5	2.8	2.5	1.4	1.3	2.0	2.5	1.6	3.0
Bremer	1.3	0.9	0.7	0.7	0.5	0.8	0.5	0.7	1.2	0.8	1.0	0.8
Buchanan	1.3	2.2	2.0	2.6	2.4	2.7	1.6	1.3	1.4	1.9	1.9	2.4
Buena Vista	2.0	1.0	1.9	1.8	1.6	2.3	2.3	2.1	2.0	1.8	1.8	0.6
Butler	0.5	0.7	0.5	0.6	0.7	0.5	0.4	1.1	1.0	0.9	0.5	0.4
Calhoun	0.6	0.9	0.4	0.9	0.6	0.5	0.3	1.2	0.9	0.8	0.7	0.8
Carroll	0.8	0.9	0.7	1.1	1.4	1.1	0.8	0.9	0.9	0.9	1.3	1.1
Cass	1.5	2.4	1.3	1.8	1.2	1.5	1.4	1.9	1.3	1.9	1.7	1.0
Cedar	1.3	0.5	1.2	1.1	0.8	1.1	1.4	1.4	0.7	0.6	1.1	1.2
Cerro Gordo	3.0	3.6	2.7	3.0	4.0	2.2	2.7	3.3	2.2	2.9	1.9	3.7
Cherokee	1.4	1.4	0.7	2.0	2.0	0.6	1.4	1.3	1.6	1.5	1.5	1.1
Chickasaw	0.9	1.3	1.2	1.6	1.3	0.5	1.4	1.6	0.8	1.3	1.1	0.9
Clarke	1.9	3.5	2.7	2.0	2.8	1.1	2.2	1.6	2.8	1.4	0.9	1.0
Clay	0.6	2.1	2.8	1.4	2.2	1.1	1.6	1.0	1.2	1.7	1.3	1.7
Clayton	0.9	1.2	0.8	0.9	1.1	1.2	0.9	1.7	0.6	1.1	0.9	1.6
Clinton	3.2	3.2	3.2	3.9	2.5	2.1	3.3	4.5	2.2	2.6	1.8	2.4
Crawford	1.5	2.0	1.1	0.8	1.2	1.0	2.8	1.2	1.4	0.8	0.9	1.0
Dallas	1.4	2.6	1.9	2.1	1.9	3.3	2.5	2.4	1.5	1.1	2.4	2.0
Davis	1.5	2.7	3.2	3.8	1.7	2.0	1.4	2.1	2.2	1.3	1.6	3.5
Decatur	0.1	1.5	1.2	0.7	1.5	2.0	1.7	2.2	2.0	1.8	1.8	1.6
Delaware	1.7	1.1	1.4	2.3	1.1	0.8	0.5	1.4	1.2	1.7	1.5	1.5
Des Moines	1.7	2.8	2.8	2.1	1.8	1.7	1.5	2.2	1.9	2.3	1.5	3.1
Dickinson	0.7	1.1	1.2	0.5	1.0	1.0	1.3	1.0	0.9	0.8	2.1	1.0
Dubuque	2.0	2.3	2.0	2.2	2.4	2.5	2.1	2.3	2.3	3.2	2.3	2.8
Emmet	1.5	3.0	2.0	0.6	1.1	0.9	1.0	1.6	1.6	1.5	2.1	1.5
Fayette	1.2	1.6	1.6	1.6	1.2	1.8	1.2	0.9	1.3	0.8	1.5	1.3
Floyd	1.9	2.7	1.6	1.4	1.3	1.8	2.2	2.3	2.1	1.7	2.0	2.7
Franklin	1.7	1.4	1.8	1.9	2.2	1.3	2.1	2.2	1.1	1.6	1.0	1.0
Fremont	0.1	0.5	1.4	2.7	1.8	1.5	1.2	1.4	1.9	1.6	2.1	0.8
Greene	0.3	0.7	1.3	0.8	1.3	1.0	1.6	1.3	2.8	1.8	1.1	1.9
Grundy	0.5	0.3	1.2	1.3	0.9	0.9	0.8	0.8	0.4	0.7	0.6	1.2
Guthrie	1.0	0.9	0.7	1.6	0.7	0.6	1.2	1.5	0.9	0.7	1.8	1.1
Hamilton	1.1	0.7	1.5	1.8	1.8	1.6	1.9	1.5	1.4	2.1	1.0	0.5
Hancock	1.8	1.8	0.9	1.0	0.6	0.6	0.4	0.6	0.7	0.2	0.5	0.2
Hardin	1.5	1.7	2.1	1.9	1.8	2.0	1.4	1.1	1.0	1.4	0.7	1.0
Harrison	1.5	1.5	1.2	1.5	1.4	1.6	2.0	1.4	1.7	1.9	1.8	1.1
Henry	0.3	1.3	2.7	2.4	1.8	1.6	1.2	1.7	1.9	2.1	1.1	1.2
Howard	1.1	1.0	1.0	1.0	0.8	0.9	0.3	0.4	1.0	0.8	0.4	0.6
Humboldt	0.7	0.5	1.0	1.8	0.8	1.3	1.0	0.8	0.7	1.3	1.3	1.4
Ida	0.3	0.4	0.3	1.1	1.8	0.2	0.3	0.9	0.4	0.4	0.9	0.7
Iowa	0.7	0.5	0.9	0.6	0.4	0.5	0.5	0.3	1.0	1.0	0.7	0.6
Jackson	2.2	1.9	2.1	2.9	2.2	1.6	1.4	1.6	1.7	2.1	1.4	1.6
Jasper	1.7	1.9	1.0	1.0	1.5	1.9	1.4	2.1	3.9	2.8	3.9	2.6

Table 2. Percentage of Public Secondary School Dropouts in Iowa's Counties, 1983, 1988-1998 (continued).

County	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1983
Jefferson	2.3	2.3	2.4	2.8	2.0	3.9	3.0	2.5	2.7	3.5	2.3	1.1
Johnson	1.4	0.8	1.1	1.8	1.2	1.4	1.0	1.1	3.8	2.9	2.7	0.8
Jones	2.8	2.7	2.3	3.0	2.7	2.1	1.2	1.5	2.1	0.9	1.7	0.9
Keokuk	1.1	1.1	1.1	1.5	1.7	1.2	1.5	1.4	0.6	1.1	0.9	0.9
Kossuth	0.2	0.5	0.4	0.5	0.9	1.1	0.8	0.7	1.5	1.0	0.9	0.7
Lee	2.2	3.2	4.2	6.4	4.0	3.2	2.8	3.1	2.9	3.6	2.6	2.6
Linn	1.2	0.9	1.5	1.6	1.2	1.1	1.8	1.2	2.1	3.0	2.3	2.9
Louisa	4.0	2.1	1.3	3.9	2.1	1.0	2.1	2.0	2.8	3.2	2.9	2.9
Lucas	4.0	2.1	3.2	4.2	2.0	2.0	1.4	1.8	2.5	3.6	3.2	3.6
Lyon	0.5	0.6	1.1	0.7	0.7	0.5	0.4	0.9	0.5	0.2	0.8	0.4
Madison	1.1	0.6	1.6	1.2	1.1	0.6	0.7	1.7	2.1	1.1	2.3	1.6
Mahaska	2.5	2.3	2.9	2.8	5.7	2.5	2.1	2.0	1.8	2.9	2.7	3.3
Marion	1.5	1.9	2.0	2.1	1.3	1.4	1.6	1.4	1.9	1.3	1.6	1.2
Marshall	1.5	1.7	1.7	1.4	0.7	0.8	1.6	2.6	3.1	3.5	2.4	1.6
Mills	1.1	2.4	1.9	2.0	2.4	2.2	2.2	1.5	1.7	1.4	1.4	1.0
Mitchell	0.6	0.7	0.9	0.8	0.6	1.2	1.1	1.2	1.7	0.3	0.9	1.2
Monona	1.7	2.3	3.0	2.4	1.8	2.3	1.7	1.9	1.6	1.4	1.5	2.2
Monroe	2.6	2.0	3.6	2.5	2.2	2.4	3.3	2.2	2.5	1.9	2.6	3.1
Montgomery	1.8	1.8	1.6	2.4	1.6	1.3	2.4	1.8	1.6	1.5	2.0	2.5
Muscatine	4.4	5.7	5.5	5.0	4.5	3.3	2.6	2.5	2.6	3.5	2.8	2.7
O'Brien	1.0	1.2	1.1	1.0	0.8	1.6	1.2	1.2	1.2	1.5	0.7	0.8
Osceola	0.8	0.0	0.6	0.9	0.2	1.6	0.5	1.8	2.0	0.7	1.8	0.4
Page	0.9	2.2	3.2	2.1	2.1	2.2	1.9	2.8	2.2	2.5	2.5	2.0
Palo Alto	0.9	0.9	0.5	1.1	1.6	1.1	1.2	1.3	0.7	1.9	0.7	1.1
Plymouth	0.9	0.6	0.9	1.3	0.3	0.7	1.0	1.3	1.8	2.0	0.5	0.7
Pocahontas	0.3	0.3	1.4	0.2	0.9	0.8	1.4	1.1	1.7	0.5	0.8	0.6
Polk	2.8	2.1	2.1	2.6	2.6	2.5	3.7	4.7	3.8	4.0	4.5	3.1
Pottawattamie	2.0	2.7	2.0	2.2	2.1	1.8	1.7	2.8	4.0	5.0	5.5	2.5
Poweshiek	0.5	0.9	1.6	0.8	2.1	2.0	2.2	2.5	1.6	2.1	2.3	1.4
Ringgold	0.6	0.6	0.4	1.3	1.1	2.9	2.2	0.7	0.7	1.8	0.4	1.5
Sac	0.8	0.6	1.4	1.7	2.2	1.7	1.0	0.8	0.7	1.6	0.6	0.6
Scott	2.6	3.1	3.1	3.0	3.6	5.1	4.4	4.6	4.2	4.1	4.0	2.9
Shelby	1.1	1.0	1.2	1.1	1.2	1.0	0.2	0.7	1.5	1.5	1.6	1.2
Sioux	0.7	0.7	0.1	0.2	0.5	0.9	1.1	0.8	0.9	0.8	0.8	0.8
Story	0.5	0.7	1.0	1.1	1.2	1.3	1.0	1.4	1.2	1.0	1.2	1.4
Tama	2.5	1.8	2.2	1.9	2.7	2.0	2.1	1.4	1.2	1.1	0.7	2.6
Taylor	1.6	0.8	1.7	2.9	0.7	0.4	1.0	0.8	1.1	0.6	0.3	0.5
Union	2.6	3.1	1.6	3.5	2.6	1.7	1.8	1.2	2.0	1.2	1.3	1.6
Van Buren	2.1	1.8	1.9	3.2	1.2	2.5	1.9	1.5	2.0	1.4	0.9	2.6
Wapello	4.0	2.4	3.5	3.8	2.5	3.7	4.2	2.5	2.1	2.3	3.7	2.5
Warren	2.7	2.3	2.6	4.0	2.4	1.1	1.0	1.5	2.4	2.2	1.8	1.4
Washington	2.1	3.4	1.6	2.9	2.7	2.5	2.8	1.8	1.6	1.5	2.4	0.6
Wayne	1.9	2.7	3.8	0.9	0.7	0.9	0.7	3.2	2.1	1.7	1.7	1.2
Webster	3.0	3.4	2.6	3.3	3.2	2.9	2.8	2.7	2.9	4.3	4.5	1.1
Winnebago	1.3	1.6	1.3	2.4	2.0	2.4	1.6	1.2	1.5	1.3	1.1	0.1
Winneshiek	0.7	0.8	0.4	0.7	1.7	1.7	1.4	0.7	0.8	0.6	0.7	0.7
Woodbury	2.8	2.9	3.2	2.2	3.9	3.7	3.3	4.0	2.7	2.7	2.3	1.8
Worth	1.8	2.9	2.0	0.9	1.9	1.7	1.2	1.4	2.4	1.0	1.8	1.5
Wright	1.7	1.4	1.3	1.3	0.8	0.8	0.8	0.9	1.0	1.2	1.4	0.8
State of Iowa	2.0	2.1	2.1	2.2	2.1	2.2	2.3	2.5	2.5	2.6	2.5	2.0

Figure 1. Dropouts from public secondary schools in Iowa, 1980-1998.

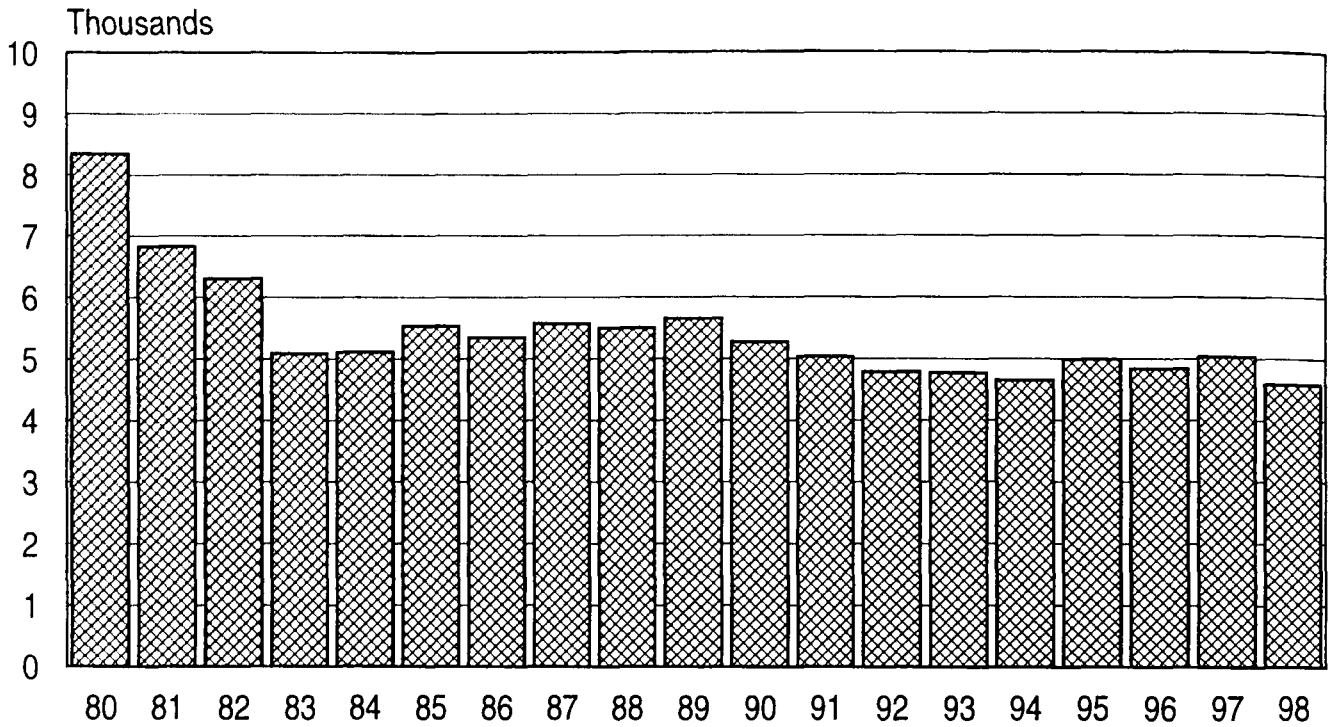
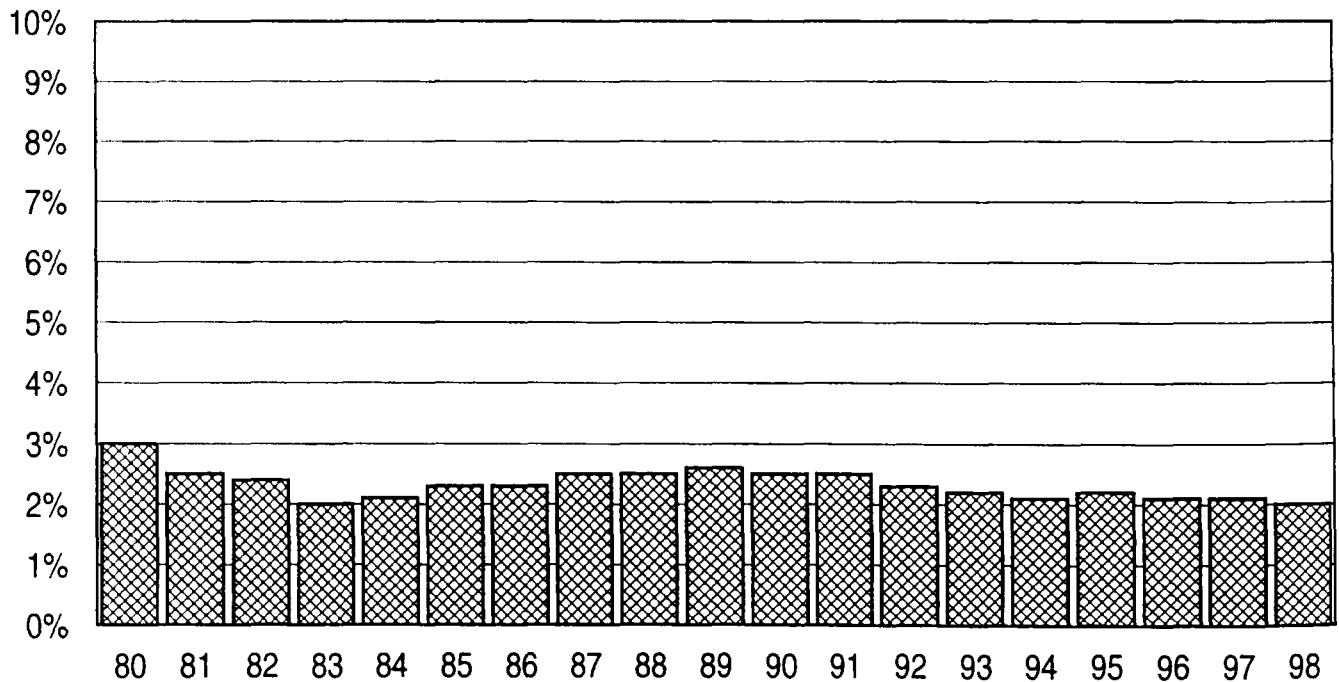


Figure 2. Dropouts as percent of public secondary school enrollees in Iowa, 1980-1998.



Students Receiving Free or Reduced-Price School Meals in Iowa's Counties: 1983-1984 and 1988-1989 – 1998-1999

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Nutrition assistance is provided to low-income students enrolled in Iowa's schools. Students qualify for the program on the basis of family income; those with lower income (135% or less of federal poverty threshold) can be eligible for free meals while others with somewhat higher income (136% through 180% of federal poverty threshold) can receive meals at a reduced price. The Iowa Department of Education administers the program based on U.S. Department of Agriculture guidelines. The program includes public and private schools and also residential child care institutions that meet the guidelines.

For this report, the average monthly number of students in the meal program was calculated for each school year reported in the tables. Data from monthly reports were used, but the reports available varied from one year to the next by month and by number (2 or 3). Information on the meal program is gathered at the school district level, not by residence of the students. Because school district boundaries do not necessarily correspond with county lines and because some districts have cooperative sharing agreements with other districts, students may have been counted in the enrollment of a county different from that in which they lived. For most students in the state, however, the county in which they live and the county in which they are counted as being enrolled are the same. Changes have been made in the eligibility requirements for the program throughout the period; they may have some effect on year-to-year comparisons.

Free Meals

In the 1983-1984 school year, more than 94,000 students in Iowa received free meals at school (Table 1). By 1988-1989, however, that number had been reduced to 90,000. After another decline to 1989-1990, the number increased steadily to more than 111,000 in 1997-1998, the highest figure across the period examined. The 1998-1999 figure was nearly 6,000 below that peak, however; indeed, it was the lowest average reported since 1993-1994.

During the 1998-1999 school year, Black Hawk, Linn, Polk, and Scott averaged at least 5,000 students receiving free meals each month. Eighteen other counties had at least 1,000 such students. All counties except Adams and Osceola averaged at least 200 monthly.

The number of students receiving free meals during the 1998-1999 school year was nearly 16,000 higher than 10 years earlier in 1988-1989. Sixty-one counties also had more students in the program in 1998-1999 than in 1988-1989. Linn, Polk, Pottawattamie, and Scott had increases greater than 1,000, with Polk's gain of nearly 4,600 substantially higher than all others; another 26 increased by at least 100. Of the 37 counties with fewer students in the program in 1998-1999 than 10 years earlier, 13 dropped by at least 100; Appanoose and Clay were the only counties with declines greater than 300, however.

Reduced-Price Meals

The number of students in Iowa receiving reduced-price meals did not vary as much throughout the period as the number getting free meals (Table 2), although it has increased each year since 1988-1989. In 1998-1999, an average of nearly 38,000 students received reduced-price meals each month.

Table 1. Average Number of Students Receiving Free Meals in Selected Months* in Iowa's Counties, 1983-1984 and 1988-1989 - 1998-1999.

County	1998- 1999	1997- 1998	1996- 1997	1995- 1996	1994- 1995	1993- 1994	1992- 1993	1991- 1992	1990- 1991	1989- 1990	1988- 1989	1983- 1984
Adair	272	265	314	317	311	326	312	289	304	238	212	250
Adams	178	189	196	197	193	187	173	156	161	162	175	142
Allamakee	612	609	579	607	598	553	572	515	481	491	505	580
Appanoose	442	893	880	880	855	835	829	842	844	811	819	853
Audubon	229	201	219	216	221	227	212	248	232	194	200	205
Benton	696	722	734	705	734	742	806	828	843	822	747	774
Black Hawk	5900	6054	5581	5683	5694	5244	5081	5016	4835	4828	4931	5243
Boone	624	660	642	591	606	590	599	566	511	510	526	614
Bremer	735	749	774	791	789	727	747	691	645	603	675	662
Buchanan	671	662	679	692	733	762	762	792	724	694	733	768
Buena Vista	1146	1172	1105	1090	1168	987	833	783	743	704	674	537
Butler	300	365	360	395	502	511	486	499	455	484	444	447
Calhoun	452	473	538	529	523	516	519	495	451	363	420	392
Carroll	642	725	1029	826	738	497	613	754	654	743	711	618
Cass	566	635	718	690	734	709	678	699	617	648	656	495
Cedar	465	496	542	525	471	476	478	441	368	392	411	387
Cerro Gordo	1423	1492	1548	1492	1496	1434	1427	1341	1321	1267	1289	1239
Cherokee	339	378	395	483	520	540	519	496	465	462	506	508
Chickasaw	392	411	406	383	416	468	413	433	403	408	433	486
Clarke	229	497	540	526	517	515	528	451	390	383	439	389
Clay	258	455	432	522	560	567	518	623	592	578	611	508
Clayton	652	798	801	815	820	689	593	668	667	553	674	824
Clinton	1822	1775	1803	1740	1752	1714	1649	1541	1484	1483	1549	1646
Crawford	741	764	749	755	749	748	681	728	744	799	723	579
Dallas	1156	1224	1187	1137	1002	953	1098	948	835	790	757	925
Davis	274	304	350	308	340	358	376	357	330	310	306	420
Decatur	488	615	597	518	531	565	562	525	484	470	464	454
Delaware	661	719	720	708	689	703	694	642	619	631	679	709
Des Moines	1844	1825	1714	1654	1572	1520	1462	1559	1535	1448	1499	1398
Dickinson	434	424	443	408	443	431	391	421	430	457	505	413
Dubuque	2941	3230	3243	3116	3008	3007	2899	2835	2731	2813	2894	3671
Emmet	689	703	650	706	749	651	561	589	534	571	632	461
Fayette	1008	1010	1012	945	1032	1039	972	970	953	943	954	1084
Floyd	819	878	827	894	904	940	888	893	888	852	918	1037
Franklin	393	404	435	412	367	347	356	376	327	350	340	338
Fremont	378	392	400	347	396	369	425	375	335	333	279	371
Greene	486	474	513	463	471	426	409	425	391	342	383	358
Grundy	379	431	451	373	367	394	396	305	276	244	229	234
Guthrie	448	481	480	500	519	487	505	503	464	428	480	621
Hamilton	500	534	526	576	580	566	596	551	534	492	508	550
Hancock	325	364	399	388	427	447	441	470	407	357	347	323
Hardin	999	1063	1090	1087	1035	1046	1050	1106	1007	1062	960	964
Harrison	678	809	786	781	806	664	728	744	687	652	665	776
Henry	711	710	698	621	558	641	641	639	571	532	492	603
Howard	359	402	404	458	496	520	473	479	431	443	515	563
Humboldt	304	295	298	312	297	323	303	305	289	305	311	408
Ida	288	286	272	310	309	301	334	257	243	234	245	224
Iowa	381	363	386	349	401	411	375	334	347	306	308	346
Jackson	817	791	804	761	860	821	783	797	756	784	817	908
Jasper	1052	1008	990	919	968	904	832	841	747	753	720	983

*The number of months used varies (2 or 3); months change across some years because of data availability.

Table 1. Average Number of Students Receiving Free Meals in Selected Months* in Iowa's Counties, 1983-1984 and 1988-1989 - 1998-1999 (continued).

County	1998- 1999	1997- 1998	1996- 1997	1995- 1996	1994- 1995	1993- 1994	1992- 1993	1991- 1992	1990- 1991	1989- 1990	1988- 1989	1983- 1984
Jefferson	398	382	372	351	320	291	326	302	283	263	257	345
Johnson	1616	1771	1714	1582	1475	1376	1379	1292	1243	1208	1198	1033
Jones	695	741	729	710	682	669	620	594	580	583	602	668
Keokuk	491	540	582	515	479	529	537	514	500	475	421	494
Kossuth	604	664	667	722	779	789	729	705	613	590	598	546
Lee	1645	1834	1661	1615	1715	1728	1397	1363	1238	1209	1266	1348
Linn	6077	5970	5888	5625	5752	5712	5627	5446	5096	4659	4669	5581
Louisa	759	850	786	755	615	646	606	514	514	482	416	493
Lucas	452	474	470	444	420	408	376	334	293	281	297	401
Lyon	299	317	333	420	352	372	392	366	319	367	414	367
Madison	379	395	399	427	439	484	476	472	410	445	437	540
Mahaska	764	790	790	798	791	885	831	814	792	788	826	965
Marion	888	890	867	946	939	863	863	820	741	654	753	882
Marshall	1894	1922	1757	1639	1569	1563	1435	1380	1297	1155	1128	1147
Mills	655	657	607	555	540	557	532	511	425	444	440	521
Mitchell	303	301	314	341	322	339	339	340	324	313	353	332
Monona	430	448	463	454	430	484	509	534	573	539	576	508
Monroe	346	380	386	383	391	367	365	364	358	321	349	373
Montgomery	487	525	508	436	404	369	401	388	338	345	331	354
Muscatine	1768	1878	1860	1818	1854	1837	1918	1836	1766	1587	1514	1191
O'Brien	503	551	585	619	626	570	543	522	469	453	501	407
Osceola	163	166	194	148	169	168	162	172	145	163	155	169
Page	663	739	799	745	769	801	750	615	584	604	565	682
Palo Alto	410	437	456	503	506	595	600	565	579	532	557	432
Plymouth	592	590	682	688	678	620	643	680	606	750	803	693
Pocahontas	290	306	307	370	294	308	421	392	383	307	314	350
Polk	13309	14213	13555	12719	12053	11088	10857	10257	9244	8691	8746	10119
Pottawattamie	4545	4704	4827	4545	4493	4227	3944	3747	3399	3112	3091	3278
Poweshiek	489	508	481	455	482	470	502	445	423	365	371	368
Ringgold	288	342	374	383	371	344	324	358	302	315	317	328
Sac	415	499	534	586	612	595	551	572	517	524	546	595
Scott	7612	7531	7526	7184	6845	6749	6533	6415	5859	5884	5607	5458
Shelby	517	590	618	689	675	653	644	555	493	441	435	365
Sioux	1021	1099	1105	1196	1085	1023	1073	1008	989	989	1050	975
Story	1427	1482	1486	1443	1438	1333	1313	1302	1251	1213	1220	1137
Tama	751	778	755	719	856	847	976	879	785	720	757	764
Taylor	364	414	395	378	394	388	392	381	384	371	394	473
Union	495	617	654	646	624	606	609	554	542	541	550	547
Van Buren	339	366	360	394	392	404	372	354	342	337	333	381
Wapello	1950	2089	1986	1954	1977	1894	1874	1944	1967	2034	2050	1977
Warren	800	839	852	821	864	817	798	744	645	604	628	724
Washington	590	638	675	630	587	536	505	545	536	533	518	439
Wayne	413	423	405	405	448	424	419	365	330	343	356	377
Webster	1576	1539	1633	1516	1633	1790	1634	1514	1533	1481	1516	1551
Winnebago	396	470	448	458	420	395	403	361	404	356	347	381
Winneshiek	425	507	509	492	498	542	504	490	482	491	529	516
Woodbury	4945	5249	5111	4729	4579	4420	4496	4430	4211	3994	4070	3750
Worth	202	218	241	245	252	206	232	198	191	193	181	221
Wright	606	650	623	612	594	514	486	424	439	410	390	414
State of Iowa	105646	111464	110570	107308	106313	102994	100798	97820	91826	88983	90009	94223

Table 2. Average Number of Students Receiving Reduced-Price Meals in Selected Months* in Iowa's Counties, 1983-1984 and 1988-1989 - 1998-1999.

County	1998- 1999	1997- 1998	1996- 1997	1995- 1996	1994- 1995	1993- 1994	1992- 1993	1991- 1992	1990- 1991	1989- 1990	1988- 1989	1983- 1984
Adair	124	124	145	139	122	128	121	110	73	92	106	103
Adams	70	68	65	60	78	62	59	61	52	48	65	60
Allamakee	316	280	284	256	279	275	252	269	256	225	205	215
Appanoose	159	209	215	190	172	200	195	191	176	182	171	129
Audubon	110	99	82	111	87	100	78	91	84	61	64	68
Benton	300	282	289	283	257	260	291	292	293	213	263	271
Black Hawk	1482	1400	1267	1074	1061	1218	1177	1142	1152	985	1004	1164
Boone	249	243	250	249	205	223	226	224	222	233	206	171
Bremer	290	267	334	324	305	316	308	287	305	294	278	225
Buchanan	204	212	215	203	243	201	201	216	196	218	177	201
Buena Vista	434	445	415	489	417	408	315	290	271	229	215	279
Butler	167	130	157	198	195	220	243	220	248	151	178	171
Calhoun	222	223	205	236	239	263	260	207	167	196	147	142
Carroll	367	340	473	401	401	267	327	416	355	335	348	326
Cass	264	241	242	237	252	243	269	203	271	222	250	258
Cedar	223	224	196	174	189	160	195	188	179	178	179	150
Cerro Gordo	677	615	577	579	579	527	488	457	437	433	476	384
Cherokee	151	199	163	216	220	224	233	192	185	184	192	176
Chickasaw	237	222	221	254	209	186	189	168	197	202	169	186
Clarke	108	189	166	136	163	164	135	113	108	88	96	86
Clay	130	264	297	216	237	257	268	316	292	284	230	235
Clayton	380	390	396	361	309	259	263	276	313	240	251	279
Clinton	492	480	411	377	369	403	418	331	367	342	291	408
Crawford	296	320	340	247	288	341	322	347	299	277	280	287
Dallas	465	425	399	407	395	412	440	387	380	287	279	326
Davis	116	101	107	101	128	134	103	102	97	97	92	103
Decatur	157	165	175	163	153	148	134	127	118	105	109	94
Delaware	271	265	228	217	191	200	189	191	170	154	149	182
Des Moines	477	467	418	374	324	348	317	339	335	317	332	355
Dickinson	203	195	171	206	183	196	194	204	154	164	145	137
Dubuque	1443	1274	1287	1224	1243	1184	1224	1101	1058	958	936	1114
Emmet	214	200	183	195	215	204	206	244	216	201	192	197
Fayette	505	418	370	430	383	361	361	321	275	250	254	342
Floyd	272	294	288	253	261	237	245	230	226	240	229	274
Franklin	184	169	187	177	162	186	218	169	194	155	149	121
Fremont	177	171	147	184	173	143	170	142	136	108	95	108
Greene	232	258	204	210	205	197	196	195	163	173	205	164
Grundy	199	257	217	204	235	178	204	125	122	119	129	120
Guthrie	192	218	200	183	170	199	220	191	158	151	169	163
Hamilton	228	238	262	256	277	261	243	237	221	189	174	219
Hancock	202	197	199	211	172	213	191	194	236	186	193	103
Hardin	318	303	258	312	292	282	282	243	268	233	274	268
Harrison	262	336	324	317	299	240	277	261	242	241	245	211
Henry	263	275	236	243	188	213	230	223	173	167	182	238
Howard	259	242	271	264	325	275	271	263	218	166	161	130
Humboldt	136	162	165	158	196	184	178	188	170	151	169	172
Ida	169	141	193	147	174	178	150	152	163	140	150	88
Iowa	193	208	182	181	202	182	206	221	220	165	167	169
Jackson	369	355	341	327	261	298	268	275	223	205	191	225
Jasper	329	345	353	283	299	322	313	251	261	218	195	291

*The number of months used varies (2 or 3); months change across some years because of data availability.

Table 2. Average Number of Students Receiving Reduced-Price Meals in Selected Months* in Iowa's Counties, 1983-1984 and 1988-1989 - 1998-1999 (continued).

County	1998- 1999	1997- 1998	1996- 1997	1995- 1996	1994- 1995	1993- 1994	1992- 1993	1991- 1992	1990- 1991	1989- 1990	1988- 1989	1983- 1984
Jefferson	121	108	85	76	63	86	96	80	55	68	74	118
Johnson	528	438	435	452	378	388	395	370	399	382	346	404
Jones	253	274	278	233	274	258	219	254	244	207	162	197
Keokuk	153	157	129	146	161	130	150	162	152	143	120	77
Kossuth	324	454	426	409	392	317	350	248	242	251	286	242
Lee	411	436	376	374	324	316	295	280	270	261	285	359
Linn	1909	1974	1802	1705	1757	1753	1556	1512	1476	1250	1246	1523
Louisa	195	161	165	182	177	144	123	121	111	115	138	139
Lucas	101	113	116	102	89	86	96	85	104	97	105	75
Lyon	206	179	198	154	184	182	168	170	145	213	223	145
Madison	182	162	220	194	186	189	200	207	247	200	228	171
Mahaska	197	183	229	222	275	245	222	222	241	235	219	240
Marion	370	400	379	285	336	293	332	378	349	328	261	311
Marshall	541	505	488	450	392	380	439	422	355	332	320	411
Mills	249	205	232	183	189	177	162	154	188	117	67	150
Mitchell	157	143	161	139	183	178	183	149	166	174	156	118
Monona	160	142	158	133	166	170	149	142	138	132	112	158
Monroe	162	135	108	85	91	113	126	89	92	97	100	122
Montgomery	160	141	111	101	91	110	95	103	91	110	126	123
Muscatine	519	460	466	492	438	489	533	402	417	347	384	311
O'Brien	321	314	280	287	305	308	261	277	310	246	242	232
Osceola	93	105	84	104	113	111	123	90	100	94	83	106
Page	146	168	158	162	209	213	207	190	210	208	204	157
Palo Alto	237	237	198	198	238	200	188	197	193	169	168	143
Plymouth	326	340	331	361	348	352	357	339	273	341	317	284
Pocahontas	137	138	146	108	154	166	178	165	159	174	149	111
Polk	4068	3955	3473	3344	3036	2807	2776	2675	2638	2393	2538	2392
Pottawattamie	1340	1316	1330	1151	1142	1086	989	866	822	832	811	934
Poweshiek	192	212	212	166	160	140	150	141	132	145	100	158
Ringgold	106	99	78	68	75	96	99	97	94	71	80	55
Sac	198	241	231	260	244	255	236	261	202	234	232	242
Scott	1411	1316	1356	1233	1129	1075	1099	1007	996	918	923	972
Shelby	276	294	322	310	306	295	266	228	181	180	160	162
Sioux	784	795	783	808	776	761	745	747	683	663	633	490
Story	504	505	541	476	436	452	448	477	499	405	437	417
Tama	307	315	309	270	246	321	331	293	298	320	261	176
Taylor	150	134	138	138	124	109	104	114	96	100	118	131
Union	250	252	273	270	194	207	234	218	167	177	159	188
Van Buren	151	130	143	126	120	102	110	98	107	92	80	120
Wapello	559	520	577	504	430	485	462	438	417	334	388	397
Warren	403	447	399	339	349	324	285	279	249	292	264	290
Washington	235	268	221	198	249	281	213	225	186	140	170	186
Wayne	149	140	167	159	121	110	105	88	111	70	64	70
Webster	544	507	519	521	554	512	494	494	456	491	497	572
Winnebago	250	224	230	232	195	193	221	209	168	151	131	172
Winneshiek	272	246	225	223	235	229	234	218	231	197	201	156
Woodbury	1650	1504	1432	1334	1173	1090	1178	1184	1096	894	887	880
Worth	105	106	100	98	129	115	92	118	109	94	97	124
Wright	262	238	237	241	247	207	185	210	190	208	199	191
State of Iowa	37610	36978	35822	34037	33166	32484	32125	30677	29551	27140	26953	27763

Table 3. Percent Enrolled Who Received Free or Reduced-Price School Meals in Selected Months* in Iowa's Counties, 1983-1984 and 1988-1989 - 1998-1999.

County	1998- 1999	1997- 1998	1996- 1997	1995- 1996	1994- 1995	1993- 1994	1992- 1993	1991- 1992	1990- 1991	1989- 1990	1988- 1989	1983- 1984
Adair	32.2	31.2	35.8	35.2	33.7	36.8	35.4	33.6	32.2	29.2	28.5	29.0
Adams	34.7	35.4	36.0	34.9	36.4	34.6	32.2	30.9	30.0	28.3	31.3	25.7
Allamakee	32.1	30.4	29.5	29.5	29.9	28.6	28.2	26.8	25.4	24.7	24.3	24.9
Appanoose	49.3	43.3	42.2	40.9	41.2	39.7	38.9	39.1	39.2	38.1	37.9	38.1
Audubon	29.4	26.4	26.0	28.0	26.3	27.7	27.3	28.7	27.2	21.6	22.1	20.1
Benton	22.6	22.6	23.1	22.7	23.0	23.5	24.0	24.7	25.2	23.0	23.2	23.5
Black Hawk	35.1	33.6	31.2	31.8	31.7	30.0	30.4	29.3	28.3	28.2	28.6	27.7
Boone	21.0	20.9	20.4	19.9	19.6	20.0	20.5	19.6	18.7	19.0	19.1	20.2
Bremer	18.7	19.1	19.8	19.3	19.3	18.8	19.2	18.2	17.8	16.8	18.0	15.3
Buchanan	25.2	24.9	25.3	24.8	26.6	26.4	26.2	27.8	25.3	26.5	26.7	27.3
Buena Vista	35.5	37.3	35.3	36.2	36.6	33.4	30.5	29.6	28.8	27.8	26.4	26.0
Butler	21.9	22.6	23.4	23.9	25.5	27.3	27.4	27.0	26.7	24.1	22.7	21.0
Calhoun	26.8	27.6	28.8	28.9	28.3	28.3	29.6	27.3	25.4	23.5	24.1	21.0
Carroll	21.3	21.3	30.0	24.6	23.4	22.3	22.6	24.7	24.1	22.7	24.7	20.6
Cass	28.7	30.2	31.9	30.7	32.3	31.6	30.5	29.3	28.0	27.4	28.6	23.0
Cedar	18.7	19.4	20.2	19.0	19.3	18.1	18.7	17.5	15.5	16.3	16.7	15.3
Cerro Gordo	26.5	26.4	26.4	25.6	25.5	25.1	26.3	24.3	23.8	22.4	23.6	21.2
Cherokee	23.0	24.0	22.7	25.0	25.6	26.0	25.5	24.6	23.7	23.0	25.2	23.8
Chickasaw	22.8	22.7	24.8	25.2	25.1	26.5	24.4	24.3	24.3	24.4	23.6	23.8
Clarke	39.0	37.6	38.6	36.2	38.2	39.0	37.7	31.7	29.6	28.9	32.4	29.0
Clay	22.1	23.4	23.6	23.7	25.7	25.9	28.3	26.3	25.7	25.4	25.4	22.6
Clayton	29.4	30.7	30.5	29.8	28.8	27.7	25.7	26.0	25.1	23.3	25.3	26.6
Clinton	25.6	25.1	24.3	23.0	22.7	22.9	21.9	20.0	20.1	19.8	20.2	20.8
Crawford	38.0	37.0	37.2	34.2	34.5	33.6	31.1	30.6	29.6	29.6	27.0	22.5
Dallas	19.1	20.1	19.8	19.8	19.9	19.5	22.6	20.3	19.2	17.8	17.1	21.3
Davis	30.7	31.6	34.4	30.9	38.8	35.6	34.1	32.6	29.7	28.8	28.1	34.5
Decatur	47.9	51.9	52.5	47.3	46.8	48.1	46.9	43.8	40.8	39.5	39.0	34.5
Delaware	24.3	24.4	23.2	22.5	21.8	22.2	22.5	21.8	21.0	21.5	23.0	24.2
Des Moines	30.2	29.7	28.2	26.5	25.3	24.0	23.1	24.3	24.2	23.1	23.8	22.8
Dickinson	22.7	21.8	21.5	21.8	22.1	22.7	21.0	23.4	21.5	23.1	24.6	20.7
Dubuque	25.4	25.0	24.8	23.3	23.3	23.0	22.7	21.6	21.6	21.4	21.5	24.3
Emmet	39.6	38.9	36.5	38.3	39.6	36.7	35.3	35.9	32.7	33.3	35.4	28.0
Fayette	32.9	30.4	29.5	29.9	30.2	30.1	28.6	28.1	25.9	25.6	26.1	27.2
Floyd	33.2	35.1	32.9	34.0	35.1	35.3	33.7	33.2	33.3	32.7	34.3	34.3
Franklin	29.2	29.0	30.0	28.6	29.0	29.1	31.0	29.7	28.7	28.9	28.9	26.2
Fremont	34.2	35.0	33.3	32.2	33.6	34.1	35.4	30.7	27.9	26.5	27.2	27.1
Greene	35.0	36.0	36.0	35.8	35.9	34.7	32.9	34.0	31.7	29.8	33.4	27.2
Grundy	23.2	22.9	21.8	20.7	21.7	20.8	21.9	18.8	17.6	13.8	14.8	14.0
Guthrie	27.6	30.0	29.3	29.1	29.4	30.9	29.8	28.2	25.8	24.1	26.9	29.4
Hamilton	23.4	24.7	25.0	26.0	27.4	26.6	26.8	25.4	24.9	22.4	22.1	23.4
Hancock	25.1	26.2	27.7	28.4	27.9	27.9	26.7	27.2	27.1	23.3	23.2	17.6
Hardin	35.0	35.8	34.5	35.2	35.4	34.6	34.6	32.5	31.2	31.5	30.3	28.1
Harrison	31.6	33.8	32.5	32.7	32.9	33.2	32.9	33.1	31.1	30.0	30.5	31.1
Henry	25.5	26.0	24.3	22.8	23.6	22.0	22.6	22.7	20.0	19.4	18.9	23.6
Howard	27.3	28.2	29.3	31.1	34.1	34.1	31.6	31.8	28.1	26.8	29.7	28.2
Humboldt	21.5	23.2	24.0	23.7	25.0	25.4	24.1	25.1	23.4	23.2	24.6	27.0
Ida	31.3	28.6	30.2	30.0	30.6	30.0	30.6	26.1	26.7	26.2	27.4	23.1
Iowa	18.7	19.1	19.0	17.5	18.7	19.2	19.2	17.7	19.1	17.0	17.5	17.9
Jackson	28.6	27.5	27.1	25.6	26.2	26.2	24.7	25.4	24.2	23.9	23.9	24.1
Jasper	21.2	20.9	20.7	18.4	19.8	19.2	17.8	16.9	15.9	15.1	14.9	19.7

*The number of months used varies (2 or 3); months change across some years because of data availability.

Table 3. Percent Enrolled Who Received Free or Reduced-Price School Meals in Selected Months* in Iowa's Counties, 1983-1984 and 1988-1989 - 1998-1999 (continued).

County	1998- 1999	1997- 1998	1996- 1997	1995- 1996	1994- 1995	1993- 1994	1992- 1993	1991- 1992	1990- 1991	1989- 1990	1988- 1989	1983- 1984
Jefferson	24.3	23.0	22.2	21.8	21.0	20.7	22.8	21.2	19.1	18.4	18.1	22.2
Johnson	15.9	16.3	16.1	15.5	15.3	14.8	15.7	14.8	15.0	14.7	14.6	14.0
Jones	26.5	27.5	27.5	25.5	25.5	24.9	23.7	24.4	24.0	23.3	22.5	23.8
Keokuk	26.8	28.1	28.3	26.8	26.3	27.2	28.6	27.9	26.8	25.3	22.2	23.0
Kossuth	29.4	31.8	30.6	31.4	32.5	31.4	31.0	26.6	24.8	24.2	24.5	19.7
Lee	31.2	31.7	28.0	26.9	27.3	27.3	23.4	22.5	21.8	20.7	21.8	22.9
Linn	22.2	22.4	22.0	21.2	22.3	22.8	22.3	21.8	22.0	20.5	20.3	22.3
Louisa	33.2	34.0	31.8	31.1	29.5	28.1	26.4	23.6	22.9	21.9	20.8	22.9
Lucas	34.4	35.9	35.4	34.2	32.3	30.5	30.0	26.9	25.1	24.0	25.5	28.5
Lyon	23.6	22.4	23.1	24.5	22.3	23.5	23.6	23.1	22.8	25.0	27.1	22.6
Madison	18.8	19.0	21.5	21.6	22.1	24.1	24.2	24.1	23.3	22.7	23.4	25.4
Mahaska	28.2	28.1	29.2	29.7	30.7	32.5	30.1	30.3	30.0	30.1	30.6	35.0
Marion	19.7	20.2	19.6	19.2	20.2	20.0	19.8	19.8	18.7	17.8	18.3	21.2
Marshall	35.5	35.8	33.3	31.2	29.9	29.9	28.8	26.6	25.1	22.6	23.0	21.5
Mills	32.9	31.2	30.6	28.1	28.1	27.9	26.4	25.7	23.6	21.4	19.2	24.1
Mitchell	23.2	22.0	22.9	23.4	24.7	25.4	25.9	24.4	24.8	24.4	25.2	22.1
Monona	34.4	33.7	34.2	31.8	33.4	35.0	34.5	35.6	37.6	34.9	36.0	33.0
Monroe	37.4	38.5	36.7	34.6	36.3	36.5	36.8	34.2	34.2	32.3	35.2	34.3
Montgomery	33.2	33.0	31.3	27.4	24.9	24.0	24.7	24.4	21.6	22.0	23.0	23.0
Muscatine	29.7	30.9	30.4	30.5	30.1	30.6	31.9	29.8	30.0	26.6	26.3	21.3
O'Brien	25.8	26.7	26.3	26.9	27.7	26.5	26.0	24.9	24.3	22.6	23.9	21.1
Osceola	24.5	25.3	25.6	25.6	28.1	28.4	28.6	27.1	26.5	25.3	25.3	21.3
Page	30.9	29.4	29.6	28.3	30.3	32.0	29.9	26.5	26.4	25.6	25.0	27.6
Palo Alto	30.1	30.8	29.4	31.0	32.8	34.2	33.6	33.2	33.3	30.3	32.2	24.6
Plymouth	16.5	16.9	18.0	19.0	18.8	18.4	19.3	19.5	19.8	21.9	22.4	20.1
Pocahontas	28.7	28.2	29.2	29.7	28.6	30.6	32.0	29.9	30.1	26.9	26.6	23.8
Polk	26.6	27.4	26.4	25.1	24.1	22.9	22.7	23.3	22.2	21.0	22.2	24.2
Pottawattamie	33.5	33.6	34.3	33.5	33.9	32.5	30.5	28.8	26.9	25.8	25.3	24.9
Poweshiek	21.9	23.4	21.4	20.0	21.5	20.5	22.0	20.5	19.9	18.1	16.5	17.5
Ringgold	42.0	43.2	43.0	43.0	44.9	43.9	42.3	44.5	40.2	38.4	39.9	35.8
Sac	30.6	31.9	32.9	35.8	35.8	35.7	33.6	34.7	30.1	31.4	32.9	35.4
Scott	30.7	29.4	28.8	27.7	28.0	27.2	26.5	25.9	24.1	24.1	23.6	21.5
Shelby	30.6	31.2	33.0	32.7	32.4	31.8	30.1	28.9	25.7	23.9	23.1	18.8
Sioux	25.8	26.3	25.9	27.4	26.8	26.6	26.4	25.6	24.8	25.6	25.9	22.7
Story	17.6	18.6	19.0	18.2	18.2	17.5	17.7	17.8	18.3	17.2	17.8	17.2
Tama	32.1	34.3	33.2	31.2	34.7	36.2	35.8	34.5	31.7	30.3	29.3	26.5
Taylor	39.2	40.8	41.0	39.8	40.5	38.9	39.0	38.2	34.9	34.7	36.2	40.3
Union	38.0	36.9	40.0	39.2	36.3	36.0	36.3	33.1	30.9	30.2	29.4	29.4
Van Buren	34.5	34.3	34.9	35.5	34.7	34.6	33.6	32.2	32.1	30.6	29.4	33.0
Wapello	37.9	38.8	37.8	36.7	35.9	35.5	34.5	35.4	35.6	36.1	36.4	32.0
Warren	16.1	17.1	17.1	15.4	17.3	16.3	15.9	15.2	13.3	13.5	13.8	15.5
Washington	21.8	23.8	23.6	22.1	22.0	21.9	19.5	20.9	19.8	18.7	18.7	17.1
Wayne	47.5	47.0	44.3	45.7	45.7	43.6	42.2	38.1	36.3	34.6	35.2	33.2
Webster	31.5	30.6	31.4	30.2	31.9	33.6	30.8	29.8	29.7	30.2	29.8	29.9
Winnebago	22.9	24.2	23.5	23.3	21.5	20.7	22.0	20.3	20.5	18.4	17.0	20.3
Winneshiek	21.3	22.6	21.9	22.0	22.5	23.3	22.1	21.8	22.4	21.7	22.7	21.5
Woodbury	32.5	32.6	32.0	30.9	30.6	30.0	30.6	30.5	28.8	27.3	27.5	27.0
Worth	26.6	27.8	29.3	29.6	33.0	28.4	28.0	27.5	27.0	25.7	24.1	27.1
Wright	28.9	29.4	28.0	27.5	26.7	24.9	24.6	23.6	24.4	23.6	22.3	21.3
State of Iowa	27.2	27.6	27.2	26.4	26.6	26.2	25.8	25.2	24.4	23.5	23.8	23.7

Table 4. Average Number Enrolled in Schools in Selected Months* in Iowa's Counties, 1983-1984 and 1988-1989 - 1998-1999.

County	1998- 1999	1997- 1998	1996- 1997	1995- 1996	1994- 1995	1993- 1994	1992- 1993	1991- 1992	1990- 1991	1989- 1990	1988- 1989	1983- 1984
Adair	1231	1283	1293	1285	1232	1221	1188	1172	1130	1115	1179	1219
Adams	714	726	734	744	720	720	704	709	741	766	789	786
Allamakee	2887	2925	2926	2938	2899	2926	2929	2905	2903	2920	2965	3193
Appanoose	1220	2595	2619	2497	2609	2635	2645	2603	2607	2613	2693	2577
Audubon	1152	1157	1170	1171	1180	1067	1181	1161	1179	1192	1234	1360
Benton	4410	4426	4355	4315	4270	4570	4534	4500	4492	4351	4314	4440
Black Hawk	21061	21951	21255	21319	21534	20615	21025	21120	20642	20769	20708	23167
Boone	4152	4379	4214	4133	4077	4020	4034	3922	3905	3838	3830	3881
Bremer	5487	5600	5763	5671	5537	5497	5382	5326	5340	5295	5154	5802
Buchanan	3473	3539	3606	3671	3656	3675	3629	3633	3437	3408	3291	3548
Buena Vista	4446	4311	4355	4329	4179	3765	3619	3516	3360	3362	3322	3137
Butler	2129	2208	2478	2733	2674	2664	2669	2636	2635	2735	2728	2943
Calhoun	2515	2580	2644	2690	2749	2634	2571	2431	2382	2349	2403	2538
Carroll	4729	5002	4996	4871	3422	4159	4734	4193	4741	4288	4124	4582
Cass	2890	3014	3022	3055	3017	3103	3083	3174	3173	3169	3198	3276
Cedar	3672	3661	3674	3413	3515	3593	3603	3519	3499	3533	3438	3520
Cerro Gordo	7918	8056	8083	8124	7799	7293	7404	7400	7591	7494	7569	7638
Cherokee	2135	2463	2798	2894	2934	2950	2790	2738	2805	2772	2788	2873
Chickasaw	2756	2530	2525	2494	2465	2470	2468	2472	2498	2550	2537	2818
Clarke	864	1827	1827	1781	1742	1760	1781	1682	1630	1652	2609	1637
Clay	1756	3089	3110	3104	3178	2777	3577	3434	3392	3314	3193	3292
Clayton	3515	3930	3942	3915	3419	3329	3628	3904	3398	3662	3454	4147
Clinton	9034	9118	9199	9333	9243	9426	9364	9188	9234	9098	9374	9855
Crawford	2728	2928	2925	3005	3238	3225	3511	3521	3631	3712	3814	3848
Dallas	8496	8022	7806	7015	7011	6808	6576	6323	6037	6043	5880	5875
Davis	1271	1327	1323	1207	1381	1409	1411	1437	1412	1415	1418	1516
Decatur	1347	1471	1439	1461	1482	1484	1489	1474	1457	1471	1507	1587
Delaware	3831	4094	4110	4034	4057	3924	3829	3756	3643	3604	3452	3677
Des Moines	7676	7552	7664	7497	7793	7709	7796	7729	7647	7693	7765	7701
Dickinson	2808	2856	2818	2833	2763	2785	2665	2712	2690	2643	2586	2663
Dubuque	17282	18296	18628	18246	18205	18129	18188	17523	17622	17787	17991	19705
Emmet	2280	2283	2353	2439	2332	2177	2318	2292	2321	2326	2301	2353
Fayette	4600	4690	4595	4687	4653	4668	4588	4734	4652	4624	4607	5246
Floyd	3290	3391	3368	3320	3332	3359	3380	3348	3338	3345	3472	3817
Franklin	1974	2074	2058	1822	1834	1849	1837	1817	1746	1693	1660	1751
Fremont	1623	1642	1653	1694	1501	1681	1687	1688	1664	1377	1697	1768
Greene	2052	1994	1883	1882	1800	1840	1826	1750	1731	1758	1752	1920
Grundy	2491	3060	2792	2777	2751	2740	2282	2264	2636	2419	2354	2524
Guthrie	2319	2323	2344	2342	2217	2430	2458	2414	2399	2415	2535	2665
Hamilton	3116	3151	3195	3126	3111	3131	3099	3032	3042	3084	2992	3289
Hancock	2099	2160	2111	2150	2364	2364	2440	2375	2335	2330	2401	2420
Hardin	3762	3906	3970	3748	3841	3844	4152	4093	4109	4077	4042	4389
Harrison	2972	3419	3361	3360	2726	3058	3037	2984	2978	2983	3055	3174
Henry	3817	3848	3796	3167	3886	3850	3802	3722	3598	3572	3605	3563
Howard	2264	2301	2319	2408	2334	2352	2333	2312	2276	2277	2305	2459
Humboldt	2044	1926	1984	1974	1997	1998	1958	1960	1969	1955	1978	2149
Ida	1461	1538	1524	1575	1598	1584	1567	1521	1429	1444	1401	1353
Iowa	3069	2987	3026	3231	3087	3031	3138	2967	2769	2710	2714	2882
Jackson	4142	4227	4250	4274	4273	4254	4226	4042	4139	4212	4259	4698
Jasper	6510	6480	6521	6408	6396	6436	6467	6350	6451	6125	6198	6460

*The number of months used varies (2 or 3); months change across some years because of data availability.

Table 4. Average Number Enrolled in Schools in Selected Months* in Iowa's Counties, 1983-1984 and 1988-1989 - 1998-1999
(continued).

County	1998- 1999	1997- 1998	1996- 1997	1995- 1996	1994- 1995	1993- 1994	1992- 1993	1991- 1992	1990- 1991	1989- 1990	1988- 1989	1983- 1984
Jefferson	2136	2056	1961	1829	1816	1853	1807	1771	1795	1826	1825	2087
Johnson	13460	13339	13094	12103	11880	11323	11268	10963	10807	10579	10599	10256
Jones	3584	3667	3693	3749	3717	3537	3471	3433	3389	3394	3404	3629
Keokuk	2404	2508	2467	2436	2422	2400	2421	2432	2446	2441	2443	2480
Kossuth	3159	3569	3599	3600	3518	3484	3583	3446	3471	3602	3540	3992
Lee	6584	7279	7385	7481	7475	7240	7298	6906	7102	7119	7485	7446
Linn	35976	35023	34608	33645	32691	32147	31861	29899	28832	29124	29670	31860
Louisa	2871	2995	3008	2686	2811	2757	2695	2732	2730	2663	2600	2761
Lucas	1608	1654	1597	1576	1623	1575	1559	1581	1575	1579	1621	1668
Lyon	2144	2303	2342	2400	2355	2375	2321	2032	2324	2353	2358	2263
Madison	2986	2884	2869	2824	2799	2800	2821	2815	2838	2836	2824	2797
Mahaska	3408	3486	3438	3478	3478	3493	3416	3444	3400	3412	3363	3442
Marion	6389	6372	6403	6308	5780	6031	6051	5820	5509	5546	5483	5624
Marshall	6862	6737	6690	6560	6498	6495	6782	6569	6574	6296	6515	7243
Mills	2746	2741	2624	2590	2629	2629	2587	2600	2623	2647	2667	2782
Mitchell	1982	2070	2049	2041	2035	2016	2002	1978	2000	2016	2035	2038
Monona	1717	1815	1845	1786	1869	1908	1900	1892	1925	1912	1882	2020
Monroe	1358	1347	1351	1328	1314	1335	1324	1316	1293	1274	1340	1443
Montgomery	1946	1978	1958	1989	1999	2006	2017	1989	2066	1987	2120	2076
Muscatine	7713	7662	7575	7605	7610	7673	7520	7273	7276	7204	7208	7056
O'Brien	3195	3292	3364	3356	3307	3094	3205	3201	3093	3107	3046	3028
Osceola	1046	1085	985	1005	981	995	966	926	1016	940	968	1292
Page	2621	3237	3207	3232	3165	3205	3041	3008	3176	3076	3089	3045
Palo Alto	2152	2224	2258	2270	2326	2351	2296	2317	2311	2255	2212	2341
Plymouth	5564	5638	5509	5462	5273	5175	5211	4434	4971	4996	4955	4853
Pocahontas	1490	1551	1609	1562	1548	1873	1860	1800	1790	1738	1768	1936
Polk	65355	64539	63946	62531	60791	59994	55555	53487	52846	50778	50616	51696
Pottawattamie	17582	17930	17017	16642	16369	16199	16022	15709	15295	15430	15502	16937
Poweshiek	3107	3241	3104	2982	2973	2965	2860	2793	2822	2860	2883	2998
Ringgold	937	1052	1046	993	1001	998	1023	985	1006	995	992	1070
Sac	2006	2323	2359	2387	2383	2343	2400	2389	2414	2362	2331	2362
Scott	29366	30809	30436	28523	28749	28809	28683	28473	28207	27704	27823	29959
Shelby	2592	2846	3056	3027	2984	3022	2708	2627	2601	2581	2599	2797
Sioux	7001	7280	7306	6946	6701	6893	6851	6749	6464	6501	6396	6458
Story	10979	10657	10557	10326	10215	9955	10018	9570	9407	9300	9200	9055
Tama	3292	3205	3174	3176	3231	3652	3402	3413	3432	3474	3564	3549
Taylor	1311	1299	1298	1276	1280	1269	1298	1375	1359	1414	1363	1497
Union	1961	2319	2335	2251	2256	2322	2336	2294	2376	2409	2405	2503
Van Buren	1421	1442	1462	1477	1460	1434	1406	1399	1400	1405	1431	1517
Wapello	6617	6773	6694	6701	6708	6772	6739	6688	6564	6700	6769	7410
Warren	7489	7306	7522	7010	6985	6818	6725	6717	6634	6465	6561	6556
Washington	3793	3791	3740	3803	3724	3691	3680	3644	3599	3686	3660	3658
Wayne	1184	1291	1235	1246	1226	1243	1190	1214	1192	1193	1196	1347
Webster	6720	6848	6737	6863	6853	6906	6746	6703	6526	6749	6622	7099
Winnebago	2827	2882	2960	2864	2846	2840	2811	2790	2757	2815	2787	2723
Winneshiek	3270	3350	3249	3259	3307	3334	3245	3181	3173	3213	3116	3123
Woodbury	20316	20444	19650	18811	18348	18568	18435	18432	17878	17994	17788	17127
Worth	1154	1162	1160	1151	1131	1159	1151	1110	1117	1154	1154	1275
Wright	3006	3067	3099	3148	2901	2730	2688	2574	2616	2640	2619	2843
State of Iowa	525855	538681	535032	524451	517352	514671	509850	498375	494454	491083	493034	514671

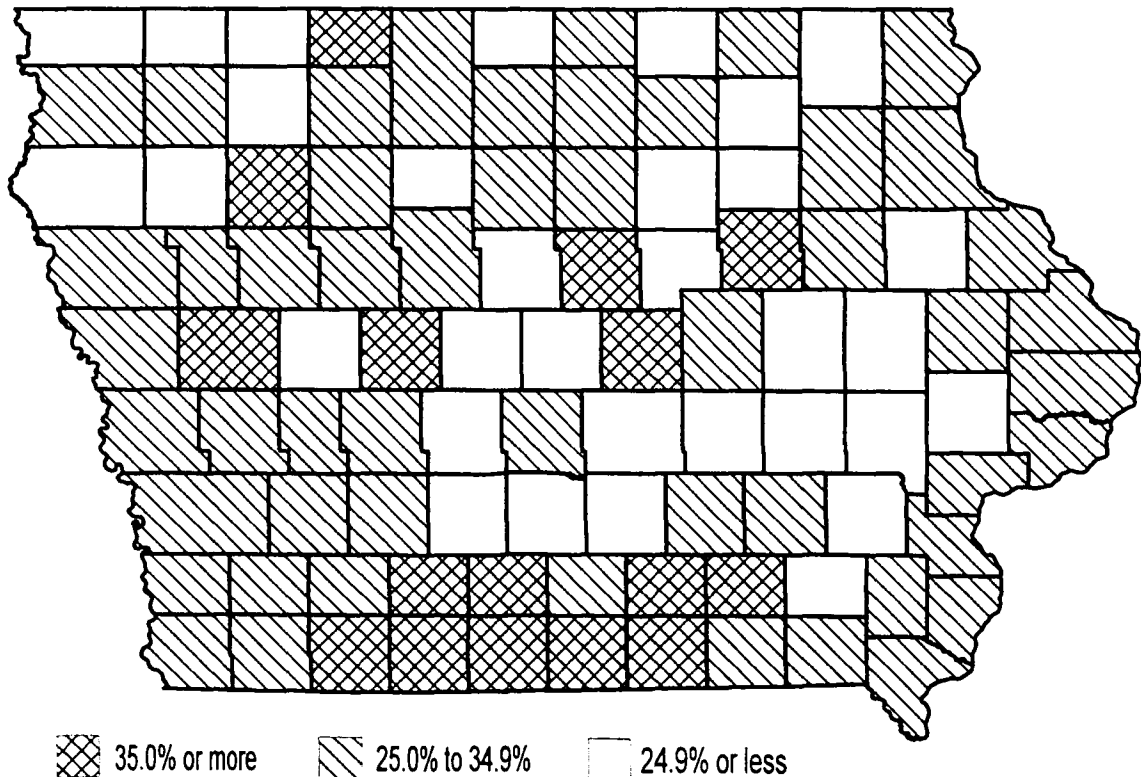
For 1998-1999, Polk had nearly 4,100 students getting reduced-price meals; the counts also were greater than 1,000 in Black Hawk, Dubuque, Linn, Pottawattamie, Scott, and Woodbury. Twenty-seven other counties had 300 or more. Adams (70) had the fewest students receiving reduced-price meals; Osceola was the only other county under 100.

Percentage of Students Receiving Free or Reduced-Price Meals

In Iowa in 1998-1999, 27.2 percent of students enrolled in school received either free or reduced-price meals (Table 3; see Table 4 for the number of students enrolled). Although the percentage for the state did not vary greatly over the years, it was highest in 1997-1998. In the most recent year, 10 counties had percentages in the meal program below 20, with Johnson the lowest at 15.9 percent. Sixteen counties had percentages of 35 or greater, with four at 40 percent or higher (Appanoose, Decatur, Ringgold, Wayne) (Figure 1). For 23 counties, the percentages for the 1998-1999 school year were lower than what they had been during 1988-1989, although only Plymouth dropped by at least five percentage points. Three-fourths (76) of the counties had greater percentages of students in the meal program in 1998-1999 than in 1988-1989. Thirty-two had gains of at least 5 percentage points; seven of these increased by at least 10 points (Appanoose, Crawford, Louisa, Marshall, Mills, Montgomery, Wayne).

Note: Caution must be exercised in comparing averages across years. The months for which data were available varied somewhat (1983-1984: November 1983 and May 1984; 1988-1989: December 1988 and January and February 1989). For the years from 1989-1990 through 1998-1999, October of the first year and January and March of the second year were selected each time. The figures in these tables may differ somewhat from total annual enrollments or total annual numbers of students provided free or reduced-price meals because data were used for selected months.

Figure 1. Percent of students receiving free or reduced-price school meals, 1998-1999.



Domestic Abuse in Iowa's Counties: 1993-1998

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The Iowa Department of Public Safety reports incidents of domestic abuse as part of its annual publication program. Summary data are included on reported cases, characteristics of victims and offenders, and characteristics of the incidents. Domestic abuse is defined in the Iowa Code under any of the following circumstances: the assault is between family or household members who reside together at the time of the assault, the assault is between separated spouses or persons divorced from each other and not residing together at the time of the assault, the assault is between persons who are parents of the same minor child regardless of whether they have been married or have lived together at any time, or the assault is between persons who have been family or household members residing together within the past year and are not residing together at the time of the assault.

Caution is urged in interpreting the numbers in the tables for this section. Readers of this annual county data book may recall that statistics on domestic abuse were reported in this volume for the years 1986 through 1990 (see the 1992 edition). A new reporting format, called the Incident-Based Iowa Uniform Crime Reporting System, was implemented in 1991; as with any revised system, it takes some time for all units responsible for compiling figures to comply in a consistent fashion. That is why 1991 and 1992 were not included in previous editions of our county data book and are not included here. The number of law enforcement units reporting data has changed from one year to the next; estimates suggest that only two-thirds of the data were reported in 1993, for example. This remains a problem, although the magnitude of missing data has diminished somewhat. Still, comparisons of 1993-1998 numbers (Tables 1-3) are not appropriate either for the state or for many counties. ***Jurisdictions not reporting or those providing insufficient data are listed on page 516. Counties in which this occurred are highlighted in Tables 1-3; the numbers in these tables may be underreported—undoubtedly grossly so in instances where jurisdictions with large populations were excluded.***

Data for the State

More than 6,400 incidents of domestic abuse were reported to the Iowa Department of Public Safety in 1998 (Table 1). Victims tended to be female (5,332 of the 6,432 victims reported) while offenders generally were male (5,432 of the 6,570 offenders reported) in cases of domestic abuse. Arrests occurred in 4,514 of the 6,206 cases for which that information was provided in 1998.

Data for Counties

In 1998, 12 counties had at least 100 cases of domestic abuse reported by law enforcement personnel (Table 1). Four of these counties (Polk, Pottawattamie, Scott, Woodbury) counted 500 or more incidents. Six counties had no reported incidents of domestic abuse that year. Caution must be repeated; underreporting occurred in some relatively large jurisdictions in the state.

Note: The figures examined in this report are from the IOWA UNIFORM CRIME REPORTS (Iowa Department of Public Safety, Wallace State Office Building, Des Moines, IA 50319) that are published annually. Please note that the number of responses on arrests doesn't always equal the number of cases of domestic abuse in a county; information on arrests was not available on some incidents. The record of

Table 1. Domestic Abuse Cases, Victims, Offenders, and Arrests in Iowa's Counties, 1997 and 1998.

County	1998							1997						
	Cases	Victims		Offenders		Arrests		Cases	Victims		Offenders		Arrests	
		Female	Male	Female	Male	Yes	No		Female	Male	Female	Male	Yes	No
Adair	1	1	0	0	1	1	0	3	2	1	1	2	2	1
Adams	2	2	0	0	2	1	1	5	4	1	1	4	5	0
Allamakee*	1*	1*	0*	0*	1*	1*	0*	0*	0*	0*	0*	0*	0*	0*
Appanoose	42	38	4	5	39	24	18	45	39	6	7	40	30	12
Audubon*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
Benton*	20*	17*	3*	3*	17*	20*	0*	31*	27*	4*	2*	29*	29*	2*
Black Hawk*	368	317	51	63	326	277	91	460*	409*	51*	78*	425*	330*	136*
Boone	58	46	12	11	48	47	9	73	57	16	14	60	51	14
Bremer	21	19	2	2	19	17	2	10	8	2	2	8	8	2
Buchanan	8	7	1	2	7	7	1	12	11	1	3	11	9	3
Buena Vista	67	53	14	12	55	57	8	79	62	17	17	62	69	8
Butler	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Calhoun	29	23	6	6	23	24	5	20	17	3	2	18	18	2
Carroll	15	15	0	3	15	11	4	12	12	0	1	12	0	12
Cass	12	11	1	2	10	5	6	10	8	2	2	8	6	4
Cedar	10	9	1	1	9	7	3	24	19	5	5	19	16	5
Cerro Gordo*	108*	88*	20*	19*	90*	90*	14*	175	146	29	31	147	143	20
Cherokee	33	30	3	3	30	32	1	21	19	2	4	17	20	1
Chickasaw*	2*	2*	0*	0*	2*	2*	0*	6*	5*	1*	1*	5*	4*	2*
Clarke	4	3	1	1	3	3	1	9	9	0	0	9	6	3
Clay	29	24	5	6	24	26	2	48	41	7	5	43	44	2
Clayton*	1*	1*	0*	0*	1*	1*	0*	4*	4*	0*	0*	4*	2*	2*
Clinton*	16*	10*	6*	6*	10*	16*	0*	14*	12*	2*	2*	12*	14*	0*
Crawford*	36*	31*	5*	5*	31*	30*	3*	40	33	7	6	33	32	3
Dallas	23	21	2	2	21	9	13	46	38	8	11	39	19	27
Davis	1	1	0	0	1	1	0	3	3	0	0	3	0	3
Decatur*	0*	0*	0*	0*	0*	0*	0*	1*	1*	0*	0*	1*	0*	1*
Delaware*	4*	4*	0*	0*	4*	4*	0*	1*	1*	0*	0*	1*	1*	0*
Des Moines	177	134	43	45	148	140	35	157	128	29	49	122	87	70
Dickinson*	0*	0*	0*	0*	0*	0*	0*	1*	1*	0*	0*	1*	1*	0*
Dubuque	375	285	90	86	290	239	120	416	306	110	101	316	272	111
Emmet*	12	12	0	0	12	10	2	19*	17*	2*	1*	18*	17*	2*
Fayette*	33*	27*	6*	5*	28*	5*	28*	41	36	5	4	37	8	33
Floyd*	27*	23*	4*	3*	22*	11*	14*	7*	5*	2*	2*	5*	4*	3*
Franklin*	8*	8*	0*	0*	9*	8*	0*	3*	3*	0*	0*	3*	3*	0*
Fremont*	11*	9*	2*	2*	9*	0*	11*	0*	0*	0*	0*	0*	0*	0*
Greene*	5*	3*	2*	1*	4*	1*	4*	9*	9*	0*	0*	9*	6*	3*
Grundy	8	6	2	2	6	8	0	9	7	2	2	7	8	0
Guthrie	2	2	0	0	2	0	2	2	2	0	0	2	0	2
Hamilton	8	8	0	1	8	8	0	10	7	3	4	8	9	1
Hancock	10	10	0	0	10	9	1	12	12	0	0	12	9	3
Hardin	20	18	2	2	18	11	9	23	20	3	3	20	16	7
Harrison	33	30	3	3	30	21	10	17	14	3	3	14	14	1
Henry	34	23	11	11	23	30	1	50	31	19	16	33	37	5
Howard	28	19	9	10	18	28	0	10	6	4	4	6	10	0
Humboldt	12	12	0	0	12	11	1	10	10	0	1	9	10	0
Ida	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Iowa*	4*	4*	0*	0*	4*	4*	0*	9	9	0	0	9	6	3
Jackson	5	5	0	1	5	5	0	8	8	0	1	8	8	0
Jasper*	15*	13*	2*	2*	14*	10*	5*	60	56	4	5	58	44	16

*While underreporting could occur in any county, either reports were not received or insufficient data were provided for at least one jurisdiction in these counties.

Table 1. Domestic Abuse Cases, Victims, Offenders, and Arrests in Iowa's Counties, 1997 and 1998
(continued).

County	1998							1997						
	Cases	Victims		Offenders		Arrests		Cases	Victims		Offenders		Arrests	
		Female	Male	Female	Male	Yes	No		Female	Male	Female	Male	Yes	No
Jefferson	30	20	10	10	20	25	2	26	18	8	8	18	22	4
Johnson*	242	212	30	30	212	209	27	198*	163*	35*	39*	162*	160*	28*
Jones*	28*	24*	4*	3*	25*	21*	6*	10*	8*	2*	1*	9*	7*	2*
Keokuk	7	6	1	1	6	6	1	7	6	1	1	6	5	1
Kossuth	9	8	1	1	8	9	2	12	10	2	3	9	10	0
Lee	139	110	29	28	114	120	11	167	122	45	49	122	136	10
Linn*	60*	44*	16*	12*	50*	45*	10*	64*	50*	14*	14*	50*	58*	3*
Louisa	23	19	4	4	19	20	3	19	19	0	1	18	14	5
Lucas	4	2	2	2	2	3	1	8	7	1	0	8	2	6
Lyon	3	3	0	0	3	2	1	2	1	1	1	1	1	1
Madison*	4	3	1	1	3	1	2	3*	3*	0*	0*	3*	0*	3*
Mahaska	1	1	0	0	1	0	1	20	16	4	5	15	19	1
Marion	61	51	10	10	51	61	0	84	74	10	9	76	76	7
Marshall*	158*	138*	20*	24*	133*	142*	9*	185	165	20	20	167	161	13
Mills*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
Mitchell	8	8	0	0	8	8	0	14	10	4	4	10	14	0
Monona	45	34	11	12	33	35	4	75	61	14	14	61	56	11
Monroe*	4	3	1	1	3	1	2	0*	0*	0*	0*	0*	0*	0*
Montgomery*	59*	46*	13*	17*	45*	29*	26*	63*	46*	17*	19*	48*	27*	33*
Muscatine	231	190	41	43	196	211	17	184	156	28	32	157	163	19
O'Brien	17	16	1	2	16	13	4	24	20	4	4	21	17	7
Osceola	6	6	0	0	6	6	0	9	6	3	1	8	7	0
Page*	34	28	6	7	28	23	10	49*	40*	9*	8*	41*	35*	14*
Palo Alto*	14	12	2	2	12	10	4	5*	4*	1*	1*	4*	5*	0*
Plymouth	25	23	2	4	22	22	2	39	36	3	5	33	26	10
Pocahontas	7	6	1	0	7	4	3	9	8	1	1	8	7	2
Polk*	1249	1081	168	179	1088	767	476	1320*	1113*	207*	207*	1129*	929*	380*
Pottawattamie*	525*	447*	78*	80*	455*	355*	143*	16*	14*	2*	2*	14*	9*	7*
Poweshiek*	13*	10*	3*	3*	10*	4*	8*	15*	12*	3*	3*	12*	1*	14*
Ringgold	2	1	1	1	1	0	2	0	0	0	0	0	0	0
Sac	10	10	0	1	9	7	3	13	9	4	4	9	13	0
Scott	709	555	154	163	578	356	296	717	589	128	141	607	395	289
Shelby*	11*	9*	2*	2*	9*	1*	9*	1*	1*	0*	0*	1*	1*	0*
Sioux*	12*	10*	2*	2*	10*	9*	2*	10*	9*	1*	1*	9*	8*	1*
Story	56	44	12	11	45	44	11	82	63	19	19	63	70	8
Tama*	32*	28*	4*	6*	29*	22*	10*	32*	29*	3*	4*	29*	20*	12*
Taylor	1	1	0	0	1	1	0	7	7	0	0	7	4	3
Union*	5*	4*	1*	2*	3*	1*	4*	7*	7*	0*	0*	7*	2*	5*
Van Buren	18	15	3	2	16	18	0	21	15	6	6	16	6	15
Wapello	23	21	2	2	21	17	4	52	48	4	6	46	48	2
Warren*	53	40	13	12	43	33	20	68*	53*	15*	13*	55*	49*	14*
Washington*	26	17	9	7	19	17	9	3*	3*	0*	0*	3*	1*	2*
Wayne	9	8	1	1	8	9	0	15	13	2	2	13	15	0
Webster	31	24	7	6	25	23	8	24	22	2	1	23	0	24
Winnebago*	4*	3*	1*	1*	3*	4*	0*	4*	2*	2*	2*	2*	3*	1*
Winneshiek	20	20	0	1	19	20	0	6	6	0	0	6	6	0
Woodbury*	640	525	115	111	535	492	106	726*	612*	114*	114*	612*	553*	137*
Worth	14	12	2	2	12	8	4	18	13	5	4	14	16	0
Wright	12	9	3	3	9	8	4	19	17	2	2	17	18	1
State of Iowa*	6432*	5332*	1100*	1138*	5432*	4514*	1692*	6477*	5380*	1097*	1162*	5458*	4622*	1620*

Table 2. Domestic Abuse Cases, Victims, Offenders, and Arrests in Iowa's Counties, 1995 and 1996.

County	1996							1995						
	Cases	Victims		Offenders		Arrests		Cases	Victims		Offenders		Arrests	
		Female	Male	Female	Male	Yes	No		Female	Male	Female	Male	Yes	No
Adair	1	1	0	0	1	1	0	3	3	0	0	3	3	0
Adams	1	0	1	1	0	1	0	15	13	2	2	13	13	2
Allamakee*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
Appanoose	71	56	15	17	56	44	23	66	48	18	18	49	44	18
Audubon*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
Benton*	29*	25*	4*	4*	25*	28*	1*	48*	40*	8*	8*	40*	48*	0*
Black Hawk*	427*	374*	53*	84*	392*	315*	112*	510	440	70	101	461	298	211
Boone	55	49	6	7	48	40	14	77	60	17	17	61	56	13
Bremer	10	10	0	0	10	9	1	8	7	1	1	7	8	0
Buchanan	3	3	0	0	3	3	0	23	19	4	4	20	15	8
Buena Vista	55	48	7	6	49	42	13	43	38	5	5	38	34	8
Butler	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Calhoun	24	19	5	4	20	24	0	19	18	1	1	18	13	6
Carroll	8	6	2	3	6	3	5	26	21	5	6	22	12	14
Cass	29	28	1	1	28	25	4	26	23	3	2	24	18	8
Cedar*	23*	21*	2*	4*	19*	19*	2*	20	16	4	4	16	18	1
Cerro Gordo	159	133	26	27	137	138	14	197	166	31	29	167	172	12
Cherokee	31	28	3	3	28	31	0	31	27	4	4	27	31	0
Chickasaw*	6*	4*	2*	2*	4*	6*	0*	7	7	0	0	7	2	5
Clarke	14	12	2	2	12	10	4	9	9	0	0	9	5	4
Clay	46	39	7	6	40	42	0	24	18	6	4	20	19	4
Clayton	28	19	9	8	20	15	12	24	22	2	2	22	15	8
Clinton*	9*	8*	1*	0*	9*	8*	1*	18*	12*	6*	6*	12*	13*	5*
Crawford	19	16	3	3	16	15	3	50	40	10	9	41	39	9
Dallas	32	29	3	2	30	14	17	37	31	6	3	32	25	9
Davis	17	17	0	0	17	11	6	11	9	2	1	10	10	1
Decatur*	1*	1*	0*	0*	1*	1*	0*	6*	4*	2*	1*	5*	4*	2*
Delaware	6	5	1	1	5	5	0	11	9	2	2	9	8	2
Des Moines	107	86	21	22	91	85	22	98	78	20	18	75	58	32
Dickinson*	0*	0*	0*	0*	0*	0*	0*	14*	12*	2*	3*	11*	10*	4*
Dubuque	377	288	89	88	291	228	125	81	62	19	19	62	43	38
Emmet	20	17	3	3	17	20	0	28	21	7	7	21	22	6
Fayette*	47	45	2	3	45	18	29	26*	22*	4*	4*	22*	19*	6*
Floyd	15	13	2	2	14	11	4	63	50	13	12	51	39	18
Franklin*	9*	6*	3*	1*	8*	6*	1*	13*	9*	4*	3*	10*	11*	0*
Fremont*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
Greene*	6*	5*	1*	1*	5*	4*	1*	5*	4*	1*	1*	4*	2*	3*
Grundy*	5*	5*	0*	0*	5*	5*	0*	8*	6*	2*	2*	6*	8*	0*
Guthrie	0	0	0	0	0	0	0	7	6	1	1	6	0	7
Hamilton	19	16	3	5	16	16	3	27	24	3	4	24	20	7
Hancock	10	9	1	1	9	9	1	11	7	4	4	7	8	3
Hardin	43	36	7	8	36	22	21	35	32	3	2	33	32	3
Harrison*	0*	0*	0*	0*	0*	0*	0*	0	0	0	0	0	0	0
Henry	49	38	11	11	38	43	0	58	43	15	14	44	46	2
Howard	13	9	4	3	10	11	2	8	7	1	1	7	7	1
Humboldt*	9*	8*	1*	1*	8*	9*	0*	2*	2*	0*	0*	2*	0*	2*
Ida	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Iowa	14	12	2	2	12	11	3	11	11	0	0	11	9	2
Jackson	0	0	0	0	0	0	0	3	2	1	2	2	3	0
Jasper	61	55	6	6	58	50	11	77	66	11	13	67	62	15

*While underreporting could occur in any county, either reports were not received or insufficient data were provided for at least one jurisdiction in these counties.

Table 2. Domestic Abuse Cases, Victims, Offenders, and Arrests in Iowa's Counties, 1995 and 1996 (continued).

County	1996							1995						
	Cases	Victims		Offenders		Arrests		Cases	Victims		Offenders		Arrests	
		Female	Male	Female	Male	Yes	No		Female	Male	Female	Male	Yes	No
Jefferson	30	22	8	8	22	21	6	33	22	11	11	22	23	5
Johnson*	204	180	24	25	180	166	29	164*	145*	19*	21*	145*	149*	12*
Jones*	10*	7*	3*	2*	8*	6*	4*	23	18	5	5	18	14	8
Keokuk	15	13	2	3	14	12	1	28	20	8	10	21	20	0
Kossuth	9	8	1	1	8	9	0	26	23	3	2	24	19	5
Lee*	225	166	59	61	172	172	26	72*	65*	7*	8*	64*	50*	19*
Linn*	66*	56*	10*	8*	57*	51*	9*	64*	52*	12*	14*	50*	47*	10*
Louisa	24	23	1	1	23	23	1	29	27	2	2	28	24	5
Lucas	9	8	1	1	8	6	3	13	12	1	1	12	9	3
Lyon	5	5	0	0	5	3	2	2	2	0	0	2	2	0
Madison*	1*	1*	0*	0*	1*	0*	1*	8	8	0	0	8	4	4
Mahaska	43	35	8	10	35	38	5	91	69	22	21	75	84	7
Marion*	52*	43*	9*	9*	43*	44*	5*	59*	51*	8*	9*	50*	47*	9*
Marshall	194	157	37	39	155	155	25	235	200	35	34	202	192	35
Mills*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
Mitchell	10	9	1	1	9	6	3	13	11	2	2	11	11	0
Monona	47	36	11	12	35	32	9	50	43	7	7	44	33	14
Monroe*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
Montgomery*	49*	36*	13*	12*	37*	25*	20*	67*	55*	12*	15*	54*	30*	33*
Muscatine	157	137	20	20	137	128	29	173	156	17	18	159	155	18
O'Brien	16	14	2	2	15	13	3	21	16	5	5	16	17	3
Osceola	10	9	1	1	9	9	0	10	8	2	1	9	10	0
Page*	37*	29*	8*	8*	30*	22*	12*	43	36	7	7	36	25	16
Palo Alto*	1*	1*	0*	0*	1*	1*	0*	2	2	0	0	2	2	0
Plymouth	35	27	8	5	28	25	6	47	38	9	6	40	32	14
Pocahontas	1	1	0	0	1	1	0	10	9	1	1	8	7	1
Polk*	1250*	1070*	180*	187*	1082*	880*	365*	1654	1419	235	249	1428	1087	563
Pottawattamie*	0*	0*	0*	0*	0*	0*	0*	18*	16*	2*	2*	16*	8*	10*
Poweshiek*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
Ringgold	0	0	0	0	0	0	0	1	1	0	0	1	1	0
Sac	14	14	0	1	13	14	0	4	4	0	0	4	4	0
Scott	682	560	122	135	571	379	256	640	529	111	123	537	356	245
Shelby*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
Sioux*	4*	4*	0*	0*	4*	3*	1*	8*	7*	1*	3*	5*	7*	0*
Story	80	60	20	18	63	64	10	123	98	25	22	101	94	15
Tama*	33*	29*	4*	3*	30*	19*	14*	33*	31*	2*	3*	32*	24*	9*
Taylor	12	11	1	1	11	7	5	11	10	1	2	9	6	5
Union*	8*	8*	0*	0*	8*	1*	7*	2*	2*	0*	0*	2*	1*	1*
Van Buren*	6*	4*	2*	2*	4*	1*	5*	5	3	2	2	3	0	5
Wapello	58	54	4	3	55	54	3	42	36	6	7	35	27	10
Warren*	74	56	18	18	57	55	16	116*	98*	18*	18*	96*	86*	22*
Washington*	2*	1*	1*	1*	1*	2*	0*	2*	1*	1*	0*	2*	1*	1*
Wayne	18	14	4	4	14	14	4	12	11	1	1	11	9	3
Webster	3	3	0	0	3	0	3	13	12	1	1	12	0	13
Winnebago	11	10	1	1	10	8	3	10	7	3	2	8	8	2
Winneshiek	14	13	1	1	13	13	1	16	14	2	1	15	13	3
Woodbury*	711*	574*	137*	142*	575*	536*	119*	858*	708*	150*	142*	719*	584*	223*
Worth*	4*	4*	0*	0*	4*	4*	0*	16	15	1	1	15	12	4
Wright	21	19	2	2	19	15	6	37	27	10	10	27	33	3
State of Iowa*	6163*	5130*	1033*	1090*	5209*	4435*	1472*	6788*	5701*	1087*	1129*	5776*	4689*	1857*

Table 3. Domestic Abuse Cases, Victims, Offenders, and Arrests in Iowa's Counties, 1993 and 1994.

County	1994							1993						
	Cases	Victims		Offenders		Arrests		Cases	Victims		Offenders		Arrests	
		Female	Male	Female	Male	Yes	No		Female	Male	Female	Male	Yes	No
Adair	4	3	1	1	3	2	1	5	4	1	1	4	3	2
Adams	2	2	0	0	2	2	0	4	3	1	1	3	4	0
Allamakee*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
Appanoose	35	25	10	11	26	26	4	53	36	17	14	39	34	10
Audubon*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
Benton*	38*	34*	4*	4*	34*	35*	3*	43*	36*	7*	7*	36*	39*	4*
Black Hawk	428	379	49	77	386	221	206	458	390	68	86	417	94	363
Boone	80	71	9	9	71	75	3	59	51	8	9	50	44	13
Bremer	13	12	1	1	12	9	4	7	7	0	0	7	6	1
Buchanan	13	10	3	4	12	12	1	10	9	1	1	9	8	2
Buena Vista	47	40	7	6	41	36	8	41	37	4	2	40	35	6
Butler	2	2	0	0	2	1	1	9	7	2	2	8	5	4
Calhoun	17	15	2	3	14	8	9	27	19	8	6	21	24	3
Carroll	33	29	4	2	31	7	26	21	19	2	1	20	4	17
Cass	36	32	4	4	32	28	8	21	19	2	2	19	18	3
Cedar*	24*	18*	6*	6*	18*	22*	1*	27	25	2	2	25	25	1
Cerro Gordo	144	128	16	17	129	134	4	111	94	17	19	94	86	10
Cherokee	32	31	1	1	31	30	1	22	18	4	4	18	22	0
Chickasaw	12	9	3	3	9	8	4	14	12	2	2	12	3	11
Clarke*	18*	16*	2*	1*	17*	16*	2*	11	9	2	0	11	6	5
Clay	27	26	1	1	26	10	16	12	10	2	2	10	6	5
Clayton	16	11	5	4	12	14	2	8	8	0	0	8	3	5
Clinton*	16*	15*	1*	1*	15*	15*	1*	13*	10*	3*	1*	12*	12*	1*
Crawford	28	23	5	4	25	19	9	23	19	4	3	20	12	11
Dallas*	52*	38*	14*	14*	38*	42*	3*	41*	33*	8*	7*	33*	38*	0*
Davis	11	9	2	2	9	9	1	9	7	2	1	8	8	1
Decatur*	5*	5*	0*	0*	5*	4*	1*	6	6	0	0	6	5	1
Delaware	12	9	3	3	9	8	1	12	10	2	2	10	8	2
Des Moines*	43*	40*	3*	5*	38*	20*	21*	50	39	11	11	39	46	4
Dickinson	14	11	3	3	11	8	5	20	20	0	0	20	12	8
Dubuque*	9*	8*	1*	1*	8*	8*	1*	8*	6*	2*	2*	6*	7*	0*
Emmet	9	8	1	0	9	8	1	15	12	3	3	12	8	7
Fayette*	15*	12*	3*	3*	12*	11*	1*	12*	10*	2*	2*	10*	8*	4*
Floyd	50	43	7	5	42	30	15	40	35	5	5	35	30	7
Franklin	16	12	4	4	12	12	0	9	6	3	3	6	5	1
Fremont*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
Greene*	2*	2*	0*	0*	2*	0*	2*	6*	6*	0*	0*	6*	6*	0*
Grundy	8	7	1	1	7	7	1	6	5	1	1	5	6	0
Guthrie	3	3	0	0	3	0	3	11	10	1	1	10	1	10
Hamilton	29	26	3	3	27	25	4	31	30	1	3	30	28	3
Hancock	5	5	0	0	5	5	0	8	6	2	2	6	3	3
Hardin	35	31	4	3	34	30	5	36	31	5	10	27	28	8
Harrison	0	0	0	0	0	0	0	10	10	0	0	10	10	0
Henry	28	20	8	8	20	24	0	37	31	6	6	32	26	7
Howard	6	5	1	1	5	6	0	6	6	0	0	6	5	1
Humboldt*	9*	7*	2*	2*	7*	1*	8*	2*	2*	0*	0*	2*	0*	2*
Ida*	9	5	4	2	7	8	0	0*	0*	0*	0*	0*	0*	0*
Iowa	9	8	1	1	8	8	1	4	4	0	0	4	4	0
Jackson	10	10	0	1	10	9	1	30	25	5	5	25	24	6
Jasper	57	46	11	13	51	38	19	61	51	10	11	52	25	35

*While underreporting could occur in any county, either reports were not received or insufficient data were provided for at least one jurisdiction in these counties.

Table 3. Domestic Abuse Cases, Victims, Offenders, and Arrests in Iowa's Counties, 1993 and 1994
(continued).

County	1994							1993						
	Cases	Victims		Offenders		Arrests		Cases	Victims		Offenders		Arrests	
		Female	Male	Female	Male	Yes	No		Female	Male	Female	Male	Yes	No
Jefferson	36	29	7	7	29	21	12	53	46	7	7	46	34	19
Johnson*	126*	103*	23*	23*	104*	105*	15*	27*	24*	3*	3*	24*	22*	5*
Jones	33	31	2	3	30	27	4	32	30	2	2	30	24	6
Keokuk	9	7	2	1	8	8	1	33	31	2	3	30	25	8
Kossuth	24	20	4	4	20	19	2	24	23	1	2	23	17	7
Lee*	182	137	45	45	137	140	21	45*	39*	6*	7*	38*	42*	3*
Linn*	49*	41*	8*	9*	39*	38*	5*	84*	67*	17*	16*	66*	54*	20*
Louisa	30	28	2	2	28	26	2	32	28	4	3	29	30	2
Lucas	12	10	2	2	10	10	1	5	4	1	1	4	2	2
Lyon	4	4	0	0	4	4	0	3	3	0	0	3	3	0
Madison	4	3	1	0	4	1	3	13	12	1	1	12	3	10
Mahaska	72	52	20	20	53	47	21	30	25	5	5	25	26	4
Marion*	41*	34*	7*	8*	33*	32*	9*	29*	24*	5*	5*	24*	21*	5*
Marshall	208	156	52	53	157	154	19	220	170	50	50	172	176	20
Mills*	0*	0*	0*	0*	0*	0*	0*	1*	1*	0*	0*	1*	1*	0*
Mitchell	6	4	2	0	6	5	1	4	4	0	1	3	3	1
Monona	23	21	2	3	20	16	6	38	31	7	7	31	23	11
Monroe*	0*	0*	0*	0*	0*	0*	0*	5*	4*	1*	1*	4*	4*	1*
Montgomery*	42*	36*	6*	8*	34*	18*	19*	56*	43*	13*	11*	44*	30*	21*
Muscatine	149	127	22	20	129	130	18	81	69	12	12	69	66	15
O'Brien	18	13	5	4	14	14	4	8	7	1	1	7	7	0
Osceola	15	13	2	2	13	12	1	9	6	3	2	7	6	1
Page*	31*	27*	4*	2*	29*	18*	12*	44	37	7	7	37	28	12
Palo Alto	7	6	1	1	6	7	0	6	4	2	2	4	6	0
Plymouth	18	17	1	4	14	13	5	13	10	3	3	10	10	3
Pocahontas	16	14	2	2	14	10	6	9	8	1	1	8	5	4
Polk*	1428	1261	167	175	1265	969	455	1095*	982*	113*	113*	987*	734*	357*
Pottawattamie*	4*	2*	2*	0*	4*	4*	0*	6*	4*	2*	2*	4*	4*	1*
Poweshiek*	15*	13*	2*	1*	14*	14*	0*	22	21	1	1	20	16	5
Ringgold*	0*	0*	0*	0*	0*	0*	0*	0	0	0	0	0	0	0
Sac*	8*	8*	0*	0*	8*	8*	0*	6	6	0	0	6	6	0
Scott	608	502	106	117	509	321	245	527	448	79	90	452	264	227
Shelby*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
Sioux*	5*	5*	0*	0*	5*	5*	0*	11*	11*	0*	0*	11*	8*	3*
Story	112	89	23	27	86	91	9	84	74	10	9	75	69	13
Tama	16	15	1	1	15	13	2	24	21	3	2	22	16	7
Taylor	12	11	1	1	11	10	2	8	7	1	1	7	8	0
Union*	4*	3*	1*	1*	3*	3*	1*	9	9	0	0	9	6	3
Van Buren*	10*	8*	2*	1*	9*	3*	7*	20	16	4	3	16	12	6
Wapello*	33*	30*	3*	3*	30*	25*	7*	20*	20*	0*	0*	20*	20*	0*
Warren	55	44	11	11	43	43	10	75	64	11	6	69	64	10
Washington*	1*	1*	0*	0*	1*	1*	0*	1*	1*	0*	0*	1*	1*	0*
Wayne	13	11	2	2	11	8	3	6	5	1	1	5	5	1
Webster*	28*	27*	1*	3*	27*	10*	18*	143*	126*	17*	16*	127*	112*	29*
Winnebago	16	13	3	3	13	15	1	22	21	1	1	21	15	7
Winneshiek	19	18	1	1	18	18	0	11	10	1	1	10	9	2
Woodbury*	674*	566*	108*	115*	568*	472*	155*	656	557	99	101	562	437	182
Worth	15	13	2	2	13	11	3	17	13	4	4	13	14	3
Wright	27	23	4	4	23	23	3	22	18	4	3	19	20	0
State of Iowa*	5769*	4897*	872*	926*	4938*	3993*	1516*	5158*	4427*	731*	747*	4490*	3342*	1623*

agencies submitting information to the state is improving, but variations in reporting practices suggest that caution be taken in drawing conclusions from these data.

1998: Reports not received from 14 jurisdictions (Belle Plaine, Cedar Rapids, Clinton, Coggon, Glenwood, Hiawatha, Jefferson, Lamoni, Leon, Palo, Rock Valley, Sioux Center, Spirit Lake, and Waukon police departments). Reports deleted because of insufficient data from 30 jurisdictions (Carter Lake, Clear Lake, Grinnell, Guttenberg, Lake Mills, Newton, and Tama police departments and sheriff offices in Allamakee, Audubon, Chickasaw, Clayton, Clinton, Crawford, Dallas, Davis, Decatur, Delaware, Dickinson, Fayette, Floyd, Franklin, Iowa, Jones, Marshall, Mills, Montgomery, Pottawattamie, Shelby, Union, and Winnebago counties).

1997: Reports not received from 20 jurisdictions (Albia, Audubon, Belle Plaine, Cedar Rapids, Charles City, Evansdale, Glenwood, Grinnell, Hiawatha, Jefferson, Johnston, Lamoni, Rock Valley, Sergeant Bluff, Sioux Center, Tama, Washington, Waukon, and Winterset police departments and the University of Iowa Security Department). Reports deleted because of insufficient data from 26 jurisdictions (Clinton, Council Bluffs, Emmetsburg, Norwalk, and Spirit Lake police departments and sheriff offices in Allamakee, Chickasaw, Clayton, Clinton, Decatur, Delaware, Dickinson, Emmet, Floyd, Franklin, Fremont, Jones, Mills, Monroe, Montgomery, Page, Pottawattamie, Shelby, Union, Washington, and Winnebago counties).

1996: Reports not received from 18 jurisdictions (Audubon, Belle Plaine, Cedar Rapids, Clinton, Emmetsburg, Hiawatha, Glenwood, Grinnell, Jefferson, Missouri Valley, Rock Valley, Sergeant Bluff, Sioux Center, Tama, Washington, and Waukon police departments and the sheriff offices in Humboldt and Union counties). Reports deleted because of insufficient data from 31 jurisdictions (Albia, Council Bluffs, Evansdale, Grundy Center, Johnston, Knoxville, Lamoni, Spirit Lake, Tipton, and Winterset police departments and sheriff offices in Allamakee, Audubon, Chickasaw, Clinton, Decatur, Dickinson, Franklin, Fremont, Harrison, Jones, Madison, Mills, Monroe, Montgomery, Page, Pottawattamie, Poweshiek, Shelby, Van Buren, Washington, and Worth counties).

1995: Reports not received from 15 jurisdictions (Audubon, Belle Plaine, Cedar Rapids, Clinton, Grundy Center, Hiawatha, Jefferson, Lamoni, Norwalk, Rock Valley, Sioux Center, Tama, Washington, and Waukon police departments and the University of Iowa Department of Public Safety). Reports deleted because of insufficient data from 23 jurisdictions (Albia, Council Bluffs, Creston, Glenwood, Grinnell, Keokuk, Knoxville, Oelwein, Sergeant Bluff police departments and sheriff offices in Allamakee, Audubon, Clinton, Dickinson, Franklin, Fremont, Humboldt, Mills, Monroe, Montgomery, Pottawattamie, Shelby, Union, and Washington counties).

1994: Reports not received from 29 jurisdictions (Audubon, Belle Plaine, Burlington, Cedar Rapids, Clinton, Council Bluffs, Dubuque, Glenwood, Harlan, Hiawatha, Jefferson, Mt. Vernon, Oelwein, Palo, Rock Valley, Sioux Center, Washington, and Waukon police departments, the University of Iowa Department of Public Safety, and sheriff offices in Allamakee, Clarke, Clinton, Dubuque, Fremont, Humboldt, Mills, Montgomery, Shelby, and Washington counties). Reports deleted because of insufficient data from 18 jurisdictions (Albia, Grinnell, Knoxville, Lamoni, Ottumwa, Sac City, Sergeant Bluff, and Tipton police departments and sheriff offices in Audubon, Dallas, Decatur, Page, Pottawattamie, Poweshiek, Ringgold, Union, Van Buren, and Webster counties).

1993: Reports not received from 19 jurisdictions (Adel, Clinton, Coralville, Dubuque, Glenwood, Hiawatha, Keokuk, Jefferson, Mt. Vernon, Oelwein, Rock Valley, Sioux Center, Washington, and Waukon police departments, the University of Iowa Department of Public Safety, and sheriff offices in Allamakee, Dubuque, Fremont, and Montgomery counties). Reports deleted because of insufficient data from 20 jurisdictions (Albia, Audubon, Cedar Rapids, Council Bluffs, Belle Plaine, Harlan, Johnston, Knoxville, Iowa City, Marion, and Ottumwa police departments and sheriff offices in Audubon, Clinton, Humboldt, Ida, Mills, Pottawattamie, Shelby, Washington, and Webster counties).

Serious Crimes Reported in Iowa's Counties: 1993-1998

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The Iowa Department of Public Safety keeps statistical records on crimes reported in Iowa. Information on violent and property crimes is included here; these generally are the most serious offenses, those occurring with the greatest regularity, and those most frequently reported to law enforcement agencies. Included are murders, rapes, robberies, and aggravated assaults, which are counted as violent crimes, plus burglaries, larcenies, and motor vehicle thefts, which are tabulated as property crimes.

Caution is urged in interpreting the numbers in the tables for this section. Readers of this annual county data book may recall that statistics on serious crimes were reported in this volume for the years 1986 through 1990 (see the 1992 edition). A new reporting format, called the Incident-Based Iowa Uniform Crime Reporting System, was implemented in 1991; as with any revised system, it takes some time for all units responsible for compiling figures to comply in a consistent fashion. That is why 1991 and 1992 were not included in previous editions of our county data book and are not included here. The number of law enforcement units reporting data has changed from one year to the next; estimates suggest that only two-thirds of the data were reported in 1993, for example. This remains a problem, although the magnitude of missing data has diminished somewhat. Still, comparisons of 1993-1998 numbers are not appropriate either for the state or for many counties. ***Jurisdictions not reporting or those providing insufficient data are listed on page 516. Counties in which this occurred are highlighted in Tables 1-3; the numbers in these tables may be underreported—undoubtedly grossly so in instances where jurisdictions with large populations were excluded.***

Violent Crimes

Fifty-one murders were reported to the Iowa Department of Public Safety in 1998 (Table 1). Only Polk, which counted 18, had more than 10; another 20 counties each had at least one murder. More than 700 rapes were noted in 1998. In that year, Polk's total of 133 rapes was substantially greater than the 98 in Woodbury, which had the next highest total. Nine others had at least 10 rapes in 1998. Caution must be repeated; underreporting occurred in some relatively large jurisdictions in the state.

The number of robberies reached 1,100 in 1998. Black Hawk, Polk, and Scott, the only counties with at least 100 robberies, had substantially higher counts than the others. Forty other counties reported at least one robbery in 1998. Aggravated assaults totaled nearly 5,900 in the most recent year. Polk, Scott, and Woodbury reported more than 500 aggravated assaults that year. Violent crimes totaled 7,737 in 1998 (Table 3). Ninety counties had at least one violent crime that year. Polk and Scott had more than 1,000 violent crimes.

Property Crimes

Property crimes were both more numerous and more widely distributed throughout Iowa than were violent crimes. More than 16,500 burglaries were reported, for example; 94 counties had at least one in 1998 (Table 2). Twenty-three counties noted more than 100, led by four with at least 1,000 (Black Hawk, Polk, Scott, Woodbury).

Nearly 58,500 larcenies were reported to the Iowa Department of Public Safety in 1998. Polk's total of 14,350 larcenies was substantially higher than all others, although yet another reminder is

Table 1. Violent Crime in Iowa's Counties, 1993-1998.

County	Murder						Rape						Robbery						Aggravated Assault					
	1998	1997	1996	1995	1994	1993	1998	1997	1996	1995	1994	1993	1998	1997	1996	1995	1994	1993	1998	1997	1996	1995	1994	1993
Adair	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	3	3	4	2
Adams	1	0	0	0	0	1	0	3	0	0	0	1	0	0	0	0	0	0	6	5	6	11	3	8
Allamakee*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	1*	0*	0*	0*	0*	0*
Appanoose	0	1	1	0	0	0	0	2	9	3	3	7	0	0	3	0	0	0	33	21	45	25	30	45
Audubon*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	1*	6*	0*	0*	0*	0*
Benton*	0*	1*	0*	0*	0*	1*	0*	1*	0*	1*	0*	4*	0*	2*	1*	0*	0*	1*	1*	8*	6*	5*	7*	7*
Black Hawk*	3	3*	2*	3	2	9	69	49*	56*	46	72	62	131	158*	174*	142	117	136	475	334*	375*	389	307	343
Boone	0	0	1	0	0	1	1	1	1	1	3	3	3	0	0	0	1	0	30	22	4	10	11	22
Bremer	0	0	0	0	0	0	3	1	0	1	0	2	2	1	0	0	0	21	8	5	12	9	13	
Buchanan	0	0	0	1	0	0	4	5	5	4	2	3	2	6	1	1	1	3	16	4	10	18	18	13
Buena Vista	0	0	3	1	0	0	4	3	4	3	3	2	3	5	0	5	3	0	36	14	15	15	13	21
Butler	0	0	0	0	0	0	0	0	2	0	1	2	0	0	0	0	1	0	5	0	1	7	5	3
Calhoun	0	0	0	0	0	0	1	1	0	0	1	1	0	0	0	0	0	5	7	4	7	5	3	
Carroll	0	0	0	0	0	0	0	1	2	3	1	1	0	2	1	0	0	7	3	11	6	3	7	
Cass	0	0	0	1	0	0	1	1	0	0	0	0	1	0	0	0	0	22	13	12	3	11	8	
Cedar*	0	0	0*	0	3*	0	4	0	1*	0	0*	3	1	2	0*	0	0*	16	7	12*	11	14*	17	
Cerro Gordo*	2*	1	0	0	1	2	4	9	11*	14	7	4	11*	16	14	21	17	16	223*	294	286	337	301	328
Cherokee	0	0	0	0	0	0	0	0	1	0	5	2	0	1	0	0	1	5	8	10	12	8	7	
Chickasaw*	0*	0*	0*	0	0	0	0*	0*	0*	0	0	0	2*	0*	0*	0	1	0	2*	6*	0*	6	6	14
Clarke*	0	0	1	0	0*	0	0	1	0	0	1*	0	0	0	0	0*	1	13	21	4	16	4*	6	
Clay	0	0	0	0	0	0	0	0	3	1	2	1	0	1	0	1	0	6	3	7	5	4	4	
Clayton*	0*	0*	1	0	0	0	0*	0*	1	0	0	0	0*	0*	0	0	0	4*	2*	13	6	4	3	
Clinton*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	1*	1*	0*	1*	1*	3*	8*	4*	10*	7*	6*
Crawford*	0*	0	0	0	1	0	8*	1	2	2	0	0	0*	0	0	0	0	28*	8	7	18	4	3	
Dallas*	0	0	0	3	0*	0*	3	2	3	8	1*	1*	0	0	0	3	2*	1*	48	28	30	37	16*	9*
Davis	0	0	1	0	0	0	0	0	0	0	1	1	0	0	0	0	1	0	2	2	2	2	1	3
Decatur*	0*	0*	0*	0*	0*	0	0*	0*	0*	2*	0*	4	0*	0*	0*	0*	0	0*	0*	0*	3*	8*	8*	5
Delaware*	0*	0*	0	0	0	0	0*	2*	0	1	0	0	0*	0*	0	0	0	23*	21*	11	14	25	13	
Des Moines*	0	0	0	1	1*	1	10	11	20	5	7*	2	47	39	36	30	0*	13	207	159	145	140	10*	19
Dickinson*	0*	0*	0*	0*	0	0	0*	0*	0*	1*	0	0	0*	0*	0*	0*	0	0	0*	0*	0*	11*	9	23
Dubuque*	1	0	2	1	0*	0*	44	32	43	9	0*	0*	9	17	15	6	0*	0*	165	163	147	14	0*	3*
Emmet*	0	0*	0	0	0	0	0	0*	0	0	0	1	0	0*	0	0	0	11	13*	7	6	5	5	
Fayette*	0*	1	0	0*	0*	0*	3*	1	3	0*	1*	1*	0*	1	1	0*	1*	0*	24*	24	14	12*	7*	7*

*While underreporting could occur in any county, either reports were not received or insufficient data were provided for at least one jurisdiction in these counties in the year(s) noted.

Table 1. Violent Crime in Iowa's Counties, 1993-1998 (continued).

County	Murder						Rape						Robbery						Aggravated Assault					
	1998	1997	1996	1995	1994	1993	1998	1997	1996	1995	1994	1993	1998	1997	1996	1995	1994	1993	1998	1997	1996	1995	1994	1993
Floyd*	0*	0*	0	0	0	0	3*	2*	0	2	3	1	0*	2*	1	0	0	0	19*	8*	3	18	28	24
Franklin*	0*	0*	0*	0*	0	1	0*	0*	0*	0*	0	0	0*	0*	0*	0*	1	0	3*	8*	0*	8*	3	2
Fremont*	0*	0*	0*	0*	0*	0*	2*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	17*	0*	0*	0*	0*	0*
Greene*	0*	0*	0*	0*	0*	1*	0*	0*	0*	0*	0*	1*	0*	0*	0*	0*	0*	0*	1*	2*	0*	2*	2*	3*
Grundy*	1	0	0*	0*	0	0	0	0	0*	0*	1	0	0	0	0*	0*	0	0	3	0	3*	0*	2	1
Guthrie	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	2	0	1	1	3
Hamilton	0	0	1	0	0	0	3	2	4	4	2	2	2	0	6	1	1	0	18	6	0	6	5	11
Hancock	0	0	1	0	0	0	0	1	0	0	1	1	1	0	0	1	0	0	4	3	9	6	6	3
Hardin	0	0	0	0	0	1	2	0	1	2	1	0	0	1	2	0	0	0	8	19	9	16	8	13
Harrison*	2	1	0*	0	0	0	1	1	0*	1	1	0	1	0	0*	0	0	0	18	14	0*	1	4	3
Henry	0	0	0	0	0	0	1	4	2	3	2	4	0	2	1	1	0	2	34	45	49	53	39	47
Howard	0	1	0	0	0	0	0	2	0	0	0	0	1	1	0	0	0	0	10	4	5	2	9	8
Humboldt*	0	0	0*	0*	0*	0*	0	0	1*	0*	0*	0*	0	0	0*	0*	0*	0*	0	0	4*	3*	5*	2*
Ida*	0	0	1	0	0	0*	0	0	0	0	0	0*	0	0	0	0	0*	0*	0	0	0	0	5	0*
Iowa*	2*	0	0	0	0	0	1*	0	0	1	0	0	0*	0	0	1	1	0	11*	3	8	3	9	2
Jackson	0	1	0	0	0	0	1	0	2	1	4	5	0	1	1	0	0	1	1	0	3	4	3	5
Jasper	0*	0	0	0	1	0	0*	2	1	3	3	1	1*	5	4	5	5	2	18*	21	12	26	17	18
Jefferson	0	0	0	0	0	0	1	0	0	2	1	3	0	0	1	1	1	0	42	43	33	34	30	23
Johnson*	1	1*	3	4*	1*	1*	56	48*	32	21*	31*	5*	35	43*	25	44*	20*	3*	565	395*	367	299*	280*	58*
Jones*	1*	0*	0*	0	1	1	0*	1*	0*	3	2	0	0*	1*	1*	0	0	0	11*	5*	0*	6	3	8
Keokuk	0	0	1	0	0	0	1	1	0	2	1	0	0	1	0	1	0	0	3	3	2	6	5	5
Kossuth	0	0	0	0	0	0	3	3	3	0	1	0	1	0	2	0	0	0	10	8	13	18	12	13
Lee*	1	0	1	1*	0	0*	6	3	9	1*	5	3*	6	3	11	8*	9	2*	147	165	171	16*	106	7*
Linn*	0*	0*	2*	1*	0*	3*	6*	3*	2*	0*	5*	5*	11*	9*	5*	4*	6*	4*	101*	100*	94*	83*	70*	91*
Louisa	0	0	0	0	0	0	0	1	1	1	0	1	0	1	0	0	0	0	6	2	10	5	10	9
Lucas	0	0	0	0	0	0	1	0	0	1	1	0	0	1	0	0	0	0	10	21	18	17	6	4
Lyon	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0	10	6	14	7	1	4
Madison*	1	0*	0*	0	0	0	2	0*	0*	2	0	0	0	0*	0*	1	1	0	9	6*	4*	17	5	0
Mahaska	0	2	0	0	0	0	6	1	2	1	6	10	1	2	1	2	5	0	34	16	35	48	31	21
Marion*	0	0	0*	1*	0*	0*	1	2	2*	2*	0*	1*	1	1	0*	0*	0*	0*	48	48	23*	31*	25*	21*
Marshall*	1*	0	1	0	2	1	9*	11	6	4	12	1	11*	11	10	10	12	15	292*	293	122	125	122	115
Mills*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
Mitchell	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	1	0	3	2	3	4	5	6

Table 1. Violent Crime in Iowa's Counties, 1993-1998 (continued).

County	Murder						Rape						Robbery						Aggravated Assault					
	1998	1997	1996	1995	1994	1993	1998	1997	1996	1995	1994	1993	1998	1997	1996	1995	1994	1993	1998	1997	1996	1995	1994	1993
Monona	0	0	0	0	0	0	2	2	0	1	2	0	1	2	1	1	3	1	21	25	18	25	26	20
Monroe*	0	0*	0*	0*	0*	0*	1	0*	0*	1*	0*	1*	0	0*	0*	0*	0*	0*	6	0*	0*	2*	1*	3*
Montgomery*	0*	2*	0*	0*	0*	0*	3*	3*	2*	1*	4*	1*	1*	1*	3*	0*	0*	0*	24*	17*	17*	17*	13*	20*
Muscatine	1	0	0	2	1	0	23	14	12	19	24	16	9	9	7	9	5	4	181	119	112	128	111	51
O'Brien	0	0	1	0	0	0	1	1	0	1	1	0	0	0	0	0	0	0	12	17	11	7	13	8
Osceola	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	0	0	6	5
Page*	0	0*	0*	0	0*	0	1	4*	1*	3	0*	1	2	1*	0*	1	0*	0	27	29*	22*	23	12*	13
Palo Alto*	0	1*	0*	0	0	0	3	1*	1*	5	0	0	0	0*	0*	0	1	0	16	9*	1*	2	1	4
Plymouth	0	0	0	0	0	1	2	5	6	4	7	7	1	1	0	0	0	0	16	15	27	30	19	20
Pocahontas	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	0	3
Polk*	18	13*	23*	20	14	12*	133	112*	119*	148	105	113*	400	433*	371*	361	342	295*	1288	733*	714*	820	680	711*
Pottawattamie*	3*	0*	0*	0*	1*	0*	48*	0*	0*	0*	0*	0*	74*	1*	0*	0*	2*	0*	429*	9*	0*	1*	1*	3*
Poweshiek*	0*	1*	0*	0*	0*	0	2*	0*	0*	0*	0*	3	1*	0*	0*	0*	0*	1	8*	1*	0*	0*	3*	5
Ringgold*	1	0	0	0	0*	0	0	0	0	0	0*	0	0	0	0	0	0*	0	3	0	0	0	0*	0
Sac*	0	0	0	0	0*	0	0	2	0	0	1*	0	0	0	0	0	0*	0	4	2	15	3	3*	4
Scott	3	3	4	8	8	6	66	62	59	67	71	69	235	238	298	392	343	301	1532	1102	1234	1477	1377	1341
Shelby*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	1*	0*	0*	0*	23*	9*	13*	15*	0*	0*
Sioux*	0*	0*	0*	1*	0*	0*	3*	0*	1*	2*	1*	2*	0*	0*	1*	0*	0*	0*	12*	11*	4*	5*	3*	7*
Story	0	2	1	0	0	1	22	18	13	13	18	20	5	1	2	6	4	9	56	44	45	62	73	72
Tama*	2*	0*	0*	0*	0	0	2*	0*	3*	2*	1	4	1*	1*	0*	1*	4	2	67*	65*	45*	43*	28	23
Taylor	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	9	2	2	2
Union*	0*	1*	0*	0*	0*	0	0*	0*	0*	0*	0*	1	1*	3*	1*	1*	1*	0	9*	12*	6*	0*	6*	8
Van Buren*	0	0	0*	0	0*	0	0	0	0*	0	1*	1	1	0	0*	0	0*	0	5	7	0*	2	0*	3
Wapello*	0	1	3	1	1*	0*	6	7	1	1	1*	0*	3	4	5	5	3*	0*	105	60	89	58	46*	9*
Warren*	0	0*	1	2*	1	6	1	5*	2	3*	2	2	2	5*	0	5*	3	1	42	38*	54	40*	29	42
Washington*	0	0*	0*	0*	0*	0*	1	0*	0*	0*	0*	0*	3	0*	1*	0*	0*	0*	29	3*	1*	1*	0*	0*
Wayne	0	0	0	0	0	0	1	0	2	1	4	1	1	0	0	0	0	0	10	4	9	7	10	7
Webster*	3	2	0	0	0*	2*	16	10	17	10	10*	2*	26	38	36	36	18*	19*	198	131	118	147	121*	171*
Winnebago*	0*	0*	0	0	0	0	2*	0*	2	3	1	4	0*	0*	0	0	1	0	8*	10*	9	16	18	22
Winneshiek	0	0	1	0	0	1	0	0	2	0	5	4	0	0	0	1	0	0	14	7	8	31	24	19
Woodbury*	2	6*	2*	3*	5*	4	98	65*	47*	58*	81*	84	51	32*	78*	131*	110*	122	673	582*	599*	1308*	1064*	1119
Worth*	1	0	0*	0	0	0	0	0	0*	0	0	0	1	0	0*	0	0	0	12	15	3*	5	8	4
Wright	0	0	1	0	0	0	0	1	3	0	2	1	0	1	1	0	0	0	11	7	7	10	14	4
State of Iowa*	51*	46*	60*	64*	44*	58*	704*	528*	529*	505*	536*	492*	1103*	1108*	1124*	1239*	1049*	957*	7737*	5550*	5404*	6330*	5428*	5223*

Table 2. Property Crime in Iowa's Counties, 1993-1998.

County	Burglary						Larceny						Motor Vehicle Theft					
	1998	1997	1996	1995	1994	1993	1998	1997	1996	1995	1994	1993	1998	1997	1996	1995	1994	1993
Adair	18	21	18	21	16	16	40	47	43	49	37	51	1	2	2	2	3	4
Adams	19	28	25	28	28	24	33	37	30	41	43	26	5	7	2	7	3	4
Allamakee*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
Appanoose	164	136	168	194	116	109	425	438	376	352	256	294	32	19	34	22	29	12
Audubon*	25*	9*	0*	0*	0*	1*	39*	28*	8*	0*	0*	4*	2*	2*	1*	1*	0*	0*
Benton*	48*	71*	55*	106*	64*	103*	138*	137*	198*	204*	139*	116*	9*	18*	11*	11*	10*	14*
Black Hawk*	1296	1399*	1367*	1642	1394	1341	4274	4281*	4656*	4965	4086	4087	319	281*	338*	322	282	255
Boone	99	104	64	56	81	62	397	459	397	540	495	416	23	16	17	25	28	26
Bremer	65	60	76	60	57	57	205	228	188	215	197	176	4	12	18	18	7	7
Buchanan	130	122	120	175	133	146	274	253	277	268	271	277	20	27	28	28	30	20
Buena Vista	235	180	255	202	213	164	318	371	313	370	314	281	28	18	29	27	30	22
Butler	45	23	47	37	46	62	30	33	42	61	79	83	5	4	7	6	3	3
Calhoun	70	124	75	72	52	31	141	155	129	107	176	107	8	11	9	6	11	7
Carroll	58	61	48	66	85	50	314	432	399	326	308	335	20	28	19	20	11	21
Cass	70	63	56	77	56	56	222	234	297	269	272	248	13	23	13	19	18	10
Cedar*	48	57	68*	53	66*	98	173	227	121*	192	178*	206	14	25	9*	14	10*	13
Cerro Gordo*	482*	979	710	578	450	570	1810*	1983	1872	2326	2002	2196	61*	112	106	102	87	94
Cherokee	39	90	32	68	34	13	130	184	233	269	169	137	8	12	17	19	12	12
Chickasaw*	6*	3*	4*	38	23	33	34*	45*	43*	66	78	129	3*	4*	2*	2	11	9
Clarke*	87	118	79	99	32*	63	164	174	176	184	123*	139	18	19	14	22	11*	7
Clay	36	48	52	44	19	31	280	287	282	325	196	240	17	14	22	14	9	9
Clayton*	2*	1*	36	25	31	26	2*	12*	108	98	85	70	1*	2*	5	3	3	8
Clinton*	44*	29*	22*	33*	43*	54*	163*	272*	230*	298*	244*	252*	12*	6*	15*	17*	12*	5*
Crawford*	17*	30	17	14	6	9	156*	179	205	201	157	160	24*	22	11	16	3	2
Dallas*	55	111	103	152	89*	59*	321	519	504	636	536*	317*	16	44	36	38	14*	16*
Davis	0	2	31	51	42	28	60	128	116	107	95	71	2	4	8	3	4	2
Decatur*	0*	7*	12*	21*	25*	43	0*	22*	50*	63*	44*	110	0*	4*	4*	12*	4*	3
Delaware*	24*	25*	38	45	31	26	120*	105*	120	188	168	158	18*	7*	5	11	8	7
Des Moines*	438	534	664	539	78*	234	1307	1528	2062	1757	348*	679	95	114	107	139	12*	41
Dickinson*	0*	0*	1*	40*	48	54	0*	0*	2*	135*	214	147	0*	0*	0*	5*	13	9
Dubuque*	591	552	502	460	4*	15*	1764	1834	1952	1520	38*	69*	99	125	92	101	2*	3*
Emmet*	91	142*	115	97	75	67	139	114*	143	164	118	160	2	12*	6	13	5	5
Fayette*	55*	78	92	40*	28*	50*	136*	211	235	54*	80*	89*	12*	16	22	6*	10*	9*

*While underreporting could occur in any county, either reports were not received or insufficient data were provided for at least one jurisdiction in these counties in the year(s) noted.

Table 2. Property Crime in Iowa's Counties, 1993-1998 (continued).

County	Burglary						Larceny						Motor Vehicle Theft					
	1998	1997	1996	1995	1994	1993	1998	1997	1996	1995	1994	1993	1998	1997	1996	1995	1994	1993
Floyd*	22*	15*	24	45	68	47	166*	182*	152	363	328	340	6*	5*	1	7	17	10
Franklin*	15*	42*	10*	18*	15	7	108*	185*	104*	129*	107	94	8*	2*	4*	7*	7	7
Fremont*	17*	0*	0*	0*	0*	0*	39*	0*	0*	0*	0*	0*	3*	0*	0*	0*	0*	0*
Greene*	17*	27*	24*	10*	20*	16*	41*	41*	30*	32*	20*	27*	6*	3*	2*	4*	4*	3*
Grundy*	32	37	16*	31*	24	18	72	67	60*	61*	66	37	8	3	1*	3*	5	0
Guthrie	29	46	28	38	30	31	62	81	87	74	107	104	9	10	9	13	10	8
Hamilton	88	115	53	87	45	45	336	379	441	402	311	337	24	32	26	27	20	22
Hancock	30	29	19	16	10	21	91	74	84	72	50	38	10	11	5	8	7	5
Hardin	85	69	56	94	110	81	239	220	234	325	294	301	21	30	17	31	30	15
Harrison*	62	78	0*	36	25	37	181	195	1*	74	59	76	17	32	0*	5	9	6
Henry	72	90	125	132	119	122	236	292	374	349	325	327	15	34	28	52	16	15
Howard	17	15	36	15	11	12	138	98	151	126	123	60	9	9	2	6	7	1
Humboldt*	24	34	26*	11*	14*	7*	89	164	111*	107*	138*	44*	9	3	4*	5*	4*	1*
Ida*	20	4	3	15	18	0*	73	71	64	95	77	0*	0	1	2	1	3	0*
Iowa*	18*	44	36	32	23	4	43*	68	95	67	40	4	7*	10	11	8	7	4
Jackson	62	72	82	71	87	96	312	341	345	307	229	301	23	22	15	26	18	17
Jasper*	89*	265	205	228	116	129	161*	872	692	824	525	541	30*	112	67	100	53	39
Jefferson	106	84	112	174	108	89	386	348	403	360	440	437	41	27	34	17	23	29
Johnson*	711	623*	868	707*	677*	83*	2529	2236*	3088	2655*	2313*	209*	144	131*	137	116*	160*	13*
Jones*	12*	32*	11*	42	25	43	166*	145*	167*	282	168	185	17*	13*	3*	21	14	11
Keokuk	28	39	32	50	41	68	38	42	85	115	148	128	3	1	3	11	15	3
Kossuth	59	80	76	59	51	35	122	153	162	157	151	152	12	16	12	10	8	17
Lee*	241	184	340	106*	169	98*	1014	1029	1080	606*	806	468*	35	41	47	31*	33	25*
Linn*	366*	253*	290*	259*	268*	273*	814*	885*	1056*	988*	807*	445*	53*	55*	63*	77*	52*	60*
Louisa	41	31	26	39	47	82	104	157	211	228	181	203	12	14	13	39	22	18
Lucas	68	123	55	54	35	12	167	366	234	229	220	63	12	32	12	19	11	2
Lyon	30	17	24	12	9	17	66	60	58	69	51	51	3	0	0	1	3	4
Madison*	39	36*	21*	40	38	16	95	57*	60*	180	154	99	9	3*	7*	10	10	10
Mahaska	189	271	143	96	91	58	235	353	373	301	314	267	25	27	44	25	19	18
Marion*	87	102	67*	49*	40*	49*	332	459	388*	348*	313*	263*	30	39	32*	28*	18*	4*
Marshall*	280*	482	361	322	300	259	829*	1116	1109	862	1015	982	48*	80	64	70	57	59
Mills*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
Mitchell	27	19	20	26	14	40	53	55	44	74	68	153	10	5	2	4	7	7

Table 2. Property Crime in Iowa's Counties, 1993-1998 (continued).

County	Burglary						Larceny						Motor Vehicle Theft					
	1998	1997	1996	1995	1994	1993	1998	1997	1996	1995	1994	1993	1998	1997	1996	1995	1994	1993
Monona	87	103	149	108	87	97	163	167	186	189	153	175	20	18	9	21	10	14
Monroe*	36	0*	0*	4*	6*	11*	85	0*	0*	5*	28*	55*	9	1*	0*	1*	5*	13*
Montgomery*	54*	83*	69*	90*	88*	77*	270*	348*	399*	359*	351*	326*	19*	17*	23*	22*	16*	11*
Muscatine	509	674	656	544	479	261	722	624	840	900	777	556	88	78	68	85	82	43
O'Brien	70	89	73	112	64	52	174	192	169	109	159	178	18	16	14	8	11	17
Osceola	16	18	26	46	33	33	40	57	79	66	99	58	6	2	8	6	1	3
Page*	81	97*	59*	83	69*	68	313	347*	326*	293	269*	284	45	28*	16*	30	21*	19
Palo Alto*	50	28*	24*	57	51	50	151	65*	62*	140	133	114	7	3*	6*	4	3	2
Plymouth	123	111	101	178	166	71	238	259	256	267	278	227	21	18	13	23	14	15
Pocahontas	14	16	14	17	20	23	24	26	42	56	54	89	2	2	3	1	1	5
Polk*	3052	3545*	2787*	3016	2522	2720*	14350	16880*	15835*	16583	14508	15287*	1398	1799*	1567*	1663	1156	1047*
Pottawattamie	638*	38*	56*	50*	34*	35*	3689*	59*	68*	88*	73*	71*	413*	12*	19*	24*	11*	12*
Poweshiek*	46*	61*	0*	81*	6*	45	91*	83*	0*	100*	22*	103	13*	9*	1*	17*	1*	7
Ringgold*	25	7	0	4	0*	1	29	24	28	12	1*	33	1	2	1	2	0*	2
Sac*	39	59	42	14	12*	19	65	100	105	75	71*	73	2	4	4	2	1*	4
Scott	1624	1718	1731	1896	1982	2140	4980	5284	6427	6802	6117	6475	435	507	544	640	557	417
Shelby*	35*	22*	30*	18*	0*	0*	98*	100*	115*	109*	0*	0*	7*	7*	3*	4*	0*	0*
Sioux*	42*	28*	30*	42*	25*	30*	131*	121*	124*	106*	116*	112*	7*	12*	6*	6*	4*	8*
Story	286	379	369	362	378	332	1501	1902	2074	2068	2217	2233	84	79	88	85	77	86
Tama*	75*	80*	87*	97*	89	64	135*	150*	165*	144*	195	234	25*	30*	20*	27*	30	21
Taylor	19	18	24	22	29	24	31	28	35	32	28	30	0	4	1	0	4	3
Union*	33*	30*	20*	3*	30*	47	170*	190*	155*	19*	161*	225	18*	20*	7*	3*	10*	13
Van Buren*	25	16	15*	73	14*	41	80	102	28*	87	43*	109	7	15	7*	39	2*	9
Wapello*	238	336	239	340	159*	71*	777	1114	1183	1160	569*	59*	36	67	43	50	22*	14*
Warren*	168	173*	179	245*	207	178	533	599*	682	659*	771	704	38	41*	36	48*	36	29
Washington*	63	18*	18*	6*	0*	0*	153	18*	23*	15*	0*	0*	16	4*	1*	1*	0*	0*
Wayne	43	40	45	59	61	46	53	73	78	91	62	70	7	6	8	12	8	6
Webster*	416	500	395	374	218*	247*	1414	1546	1664	1418	980*	1046*	99	109	142	113	80*	59*
Winnebago*	51*	16*	24	42	39	55	25*	25*	27	71	74	89	3*	5*	6	6	4	11
Winneshiek	36	35	45	85	55	72	146	216	219	232	189	216	9	12	15	19	16	17
Woodbury*	1073	1192*	1181*	1459*	1139*	1401	4698	4738*	4997*	5146*	4317*	4685	379	349*	426*	463*	313*	275
Worth*	43	34	4*	39	12	19	63	49	6*	51	29	36	9	6	1*	5	1	4
Wright	52	50	31	31	21	35	127	108	123	145	86	91	11	12	11	37	5	5
State of Iowa*	16502*	18179*	16664*	17644*	14208*	13955*	58465*	61342*	63870*	64808*	54424*	52609*	4802*	5107*	4793*	5300*	3866*	3283*

Table 3. Total Violent and Property Crimes and Total Crime Index in Iowa's Counties, 1993-1998.

County	Violent Crime Total						Property Crime Total						Total Crime Index					
	1998	1997	1996	1995	1994	1993	1998	1997	1996	1995	1994	1993	1998	1997	1996	1995	1994	1993
Adair	0	4	3	3	4	2	59	70	63	72	56	71	59	74	66	75	60	73
Adams	6	8	6	11	3	10	57	72	57	76	74	54	63	80	63	87	77	64
Allamakee*	1*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	1*	0*	0*	0*	0*	0*
Appanoose	33	24	58	28	33	52	621	593	578	568	401	415	654	617	636	596	434	467
Audubon*	1*	6*	0*	0*	0*	0*	66*	39*	9*	1*	0*	5*	67*	45*	9*	1*	0*	5*
Benton*	1*	12*	7*	6*	7*	13*	195*	226*	264*	321*	213*	233*	196*	238*	271*	327*	220*	246*
Black Hawk*	475	544*	607*	580	498	550	5889	5961*	6361*	6929	5762	5683	6364	6505*	6968*	7509	6260	6233
Boone	30	23	6	11	15	26	519	579	478	621	604	504	549	602	484	632	619	530
Bremer	21	10	5	13	9	15	274	300	282	293	261	240	295	310	287	306	270	255
Buchanan	16	15	16	24	21	19	424	402	425	471	434	443	440	417	441	495	455	462
Buena Vista	36	22	22	24	19	23	581	569	597	599	557	467	617	591	619	623	576	490
Butler	5	0	3	7	7	5	80	60	96	104	128	148	85	60	99	111	135	153
Calhoun	5	8	4	7	6	4	219	290	213	185	239	145	224	298	217	192	245	149
Carroll	7	6	14	9	4	8	392	521	466	412	404	406	399	527	480	421	408	414
Cass	22	14	12	4	11	8	305	320	366	365	346	314	327	334	378	369	357	322
Cedar*	16	9	13*	11	17*	20	235	309	198*	259	254*	317	251	318	211*	270	271*	337
Cerro Gordo*	223*	320	311	372	326	350	2353*	3074	2688	3006	2539	2860	2576*	3394	2999	3378	2865	3210
Cherokee	5	9	11	12	13	10	177	286	282	356	215	162	182	295	293	368	228	172
Chickasaw*	2*	6*	0*	6	7	14	43*	52*	49*	106	112	171	45*	58*	49*	112	119	185
Clarke*	13	22	5	16	5*	7	269	311	269	305	166*	209	282	333	274	321	171*	216
Clay	6	4	10	7	6	5	333	349	356	383	224	280	339	353	366	390	230	285
Clayton*	4*	2*	15	6	4	3	5*	15*	149	126	119	104	9*	17*	164	132	123	107
Clinton*	3*	9*	5*	10*	8*	7*	219*	307*	267*	348*	299*	311*	222*	316*	272*	358*	307*	318*
Crawford*	28*	9	9	20	5	3	197*	231	233	231	166	171	225*	240	242	251	171	174
Dallas*	48	30	33	51	19*	11*	392	674	643	826	639*	392*	440	704	676	877	658*	403*
Davis	2	2	3	2	3	4	62	134	155	161	141	101	64	136	158	163	144	105
Decatur*	0*	0*	3*	10*	8*	9	0*	33*	66*	96*	73*	156	0*	33*	69*	106*	81*	165
Delaware*	23*	23*	11	15	25	13	162*	137*	163	244	207	191	185*	160*	174	259	232	204
Des Moines*	207	209	201	176	18*	35	1840	2176	2833	2435	438*	954	2047	2385	3034	2611	456*	989
Dickinson*	0*	0*	0*	12*	9	23	0*	0*	3*	180*	275	210	0*	0*	3*	192*	284	233
Dubuque*	165	212	207	30	0*	3*	2454	2511	2546	2081	44*	87*	2619	2723	2753	2111	44*	90*
Emmet*	11	13*	7	6	5	6	232	268*	264	274	198	232	243	281*	271	280	203	238
Fayette*	24*	27	18	12*	9*	8*	203*	305	349	100*	118*	148*	227*	332	367	112*	127*	156*

*While underreporting could occur in any county, either reports were not received or insufficient data were provided for at least one jurisdiction in these counties in the year(s) noted.

Table 3. Total Violent and Property Crimes and Total Crime Index in Iowa's Counties, 1993-1998 (continued).

County	Violent Crime Total						Property Crime Total						Total Crime Index					
	1998	1997	1996	1995	1994	1993	1998	1997	1996	1995	1994	1993	1998	1997	1996	1995	1994	1993
Floyd	19*	12*	4	20	31	25	194*	202*	177	415	413	397	213*	214*	181	435	444	422
Franklin*	3*	8*	0*	8*	4	3	131*	229*	118*	154*	129	108	134*	237*	118*	162*	133	111
Fremont*	17*	0*	0*	0*	0*	0*	59*	0*	0*	0*	0*	0*	76*	0*	0*	0*	0*	0*
Greene*	1*	2*	0*	2*	2*	5*	64*	71*	56*	46*	44*	46*	65*	73*	56*	48*	46*	51*
Grundy*	3	0	3*	0*	3	1	112	107	77*	95*	95	55	115	107	80*	95*	98	56
Guthrie	0	2	0	1	1	4	100	137	124	125	147	143	100	139	124	126	148	147
Hamilton	18	8	11	11	8	13	448	526	520	516	376	404	466	534	531	527	384	417
Hancock	4	4	10	7	7	4	131	114	108	96	67	64	135	118	118	103	74	68
Hardin	8	20	12	18	9	14	345	319	307	450	434	397	353	339	319	468	443	411
Harrison*	18	16	0*	2	5	3	260	305	1*	115	93	119	278	321	1*	117	98	122
Henry	34	51	52	57	41	53	323	416	527	533	460	464	357	467	579	590	501	517
Howard	10	8	5	2	9	8	164	122	189	147	141	73	174	130	194	149	150	81
Humboldt*	0	0	5*	3*	5*	2*	122	201	141*	123*	156*	52*	122	201	146*	126*	161*	54*
Ida*	0	0	1	0	5	0*	93	76	69	111	98	0*	93	76	70	111	103	0*
Iowa*	11*	3	8	5	10	2	68*	122	142	107	70	12	79*	125	150	112	80	14
Jackson	1	2	6	5	7	11	397	435	442	404	334	414	398	437	448	409	341	425
Jasper*	18*	28	17	34	26	21	280*	1249	964	1152	694	709	298*	1277	981	1186	720	730
Jefferson	42	43	34	37	32	26	533	459	549	551	571	555	575	502	583	588	603	581
Johnson*	565	487*	427	368*	332*	67*	3384	2990*	4093	3478*	3150*	305*	3949	3477*	4520	3846*	3482*	372*
Jones*	11*	7*	1*	9	6	9	195*	190*	181*	345	207	239	206*	197*	182*	354	213	248
Keokuk	3	5	3	9	6	5	69	82	120	176	204	199	72	87	123	185	210	204
Kossuth	10	11	18	18	13	13	193	249	250	226	210	204	203	260	268	244	223	217
Lee*	147	171	192	26*	120	12*	1290	1254	1467	743*	1008	591*	1437	1425	1659	769*	1128	603*
Linn*	101*	112*	103*	88*	81*	103*	1233*	1193*	1409*	1324*	1127*	778*	1334*	1305*	1512*	1412*	1208*	881*
Louisa	6	4	11	6	10	10	157	202	250	306	250	303	163	206	261	312	260	313
Lucas	10	22	18	18	7	4	247	521	301	302	266	77	257	543	319	320	273	81
Lyon	10	6	14	7	1	5	99	77	82	82	63	72	109	83	96	89	64	77
Madison*	9	6*	4*	20	6	0	143	96*	88*	230	202	125	152	102*	92*	250	208	125
Mahaska	34	21	38	51	42	31	449	651	560	422	424	343	483	672	598	473	466	374
Marion*	48	51	25*	34*	25*	22*	449	600	487*	425*	371*	316*	497	651	512*	459*	396*	338*
Marshall*	292*	315	139	139	148	132	1157*	1678	1534	1254	1372	1300	1449*	1993	1673	1393	1520	1432
Mills*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
Mitchell	3	2	3	4	6	8	90	79	66	104	89	200	93	81	69	108	95	208

Table 3. Total Violent and Property Crimes and Total Crime Index in Iowa's Counties, 1993-1998 (continued).

County	Violent Crime Total						Property Crime Total						Total Crime Index					
	1998	1997	1996	1995	1994	1993	1998	1997	1996	1995	1994	1993	1998	1997	1996	1995	1994	1993
Monona	21	29	19	27	31	21	270	288	344	318	250	286	291	317	363	345	281	307
Monroe*	6	0*	0*	3*	1*	4*	130	1*	0*	10*	39*	79*	136	1*	0*	13*	40*	83*
Montgomery*	24*	23*	22*	18*	17*	21*	343*	448*	491*	471*	455*	414*	367*	471*	513*	489*	472*	435*
Muscatine	181	142	131	158	141	71	1319	1376	1564	1529	1338	860	1500	1518	1695	1687	1479	931
O'Brien	12	18	12	8	14	8	262	297	256	229	234	247	274	315	268	237	248	255
Osceola	0	2	1	0	6	5	62	77	113	118	133	94	62	79	114	118	139	99
Page*	27	34*	23*	27	12*	14	439	472*	401*	406	359*	371	466	506*	424*	433	371*	385
Palo Alto*	16	11*	2*	7	2	4	208	96*	92*	201	187	166	224	107*	94*	208	189	170
Plymouth	16	21	33	34	26	28	382	388	370	468	458	313	398	409	403	502	484	341
Pocahontas	1	1	1	2	0	3	40	44	59	74	75	117	41	45	60	76	75	120
Polk*	1288	1291*	1227*	1349	1141	1131*	18800	22224*	20189*	21262	18186	19054*	20088	23515*	21416*	22611	19327	20185*
Pottawattamie*	429*	10*	0*	1*	4*	3*	4740*	109*	143*	162*	118*	118*	5169*	119*	143*	163*	122*	121*
Poweshiek*	8*	2*	0*	0*	3*	9	150*	153*	1*	198*	29*	155	158*	155*	1*	198*	32*	164
Ringgold*	3	0	0	0	0*	0	55	33	29	18	1*	36	58	33	29	18	1*	36
Sac*	4	4	15	3	4*	4	106	163	151	91	84*	96	110	167	166	94	88*	100
Scott	1532	1405	1595	1944	1799	1717	7039	7509	8702	9338	8656	9032	8571	8914	10297	11282	10455	10749
Shelby*	23*	9*	14*	15*	0*	0*	140*	129*	148*	131*	0*	0*	163*	138*	162*	146*	0*	0*
Sioux*	12*	11*	6*	8*	4*	9*	180*	161*	160*	154*	145*	150*	192*	172*	166*	162*	149*	159*
Story	56	65	61	81	95	102	1871	2360	2531	2515	2672	2651	1927	2425	2592	2596	2767	2753
Tama*	67*	66*	48*	46*	33	29	235*	260*	272*	268*	314	319	302*	326*	320*	314*	347	348
Taylor	0	2	9	2	2	2	50	50	60	54	61	57	50	52	69	56	63	59
Union*	9*	16*	7*	1*	7*	9	221*	240*	182*	25*	201*	285	230*	256*	189*	26*	208*	294
Van Buren*	5	7	0*	2	1*	4	112	133	50*	199	59*	159	117	140	50*	201	60*	163
Wapello*	105	72	98	65	51*	9*	1051	1517	1465	1550	750*	144*	1156	1589	1563	1615	801*	153*
Warren*	42	48*	57	50*	35	51	739	813*	897	952*	1014	911	781	861*	954	1002*	1049	962
Washington*	29	3*	2*	1*	0*	0*	232	40*	42*	22*	0*	0*	261	43*	44*	23*	0*	0*
Wayne	10	4	11	8	14	8	103	119	131	162	131	122	113	123	142	170	145	130
Webster*	198	181	171	193	149*	194*	1929	2155	2201	1905	1278*	1352*	2127	2336	2372	2098	1427*	1546*
Winnebago*	8*	10*	11	19	20	26	79*	46*	57	119	117	155	87*	56*	68	138	137	181
Winneshiek	14	7	11	32	29	24	191	263	279	336	260	305	205	270	290	368	289	329
Woodbury*	673	685*	726*	1500*	1260*	1329	6150	6279*	6604*	7068*	5769*	6361	6823	6964*	7330*	8568*	7029*	7690
Worth*	12	15	3*	5	8	4	115	89	11*	95	42	59	127	104	14*	100	50	63
Wright	11	9	12	10	16	5	190	170	165	213	112	131	201	179	177	223	128	136
State of Iowa*	7737*	7232*	7117*	8138*	7057*	6730*	79769*	84628*	85327*	87752*	72498*	69847*	87506*	91860*	92444*	95890*	79555*	76577*

necessary that caution should be exercised in interpreting these numbers because of underreporting in some counties. Eleven other counties had at least 1,000 larcenies that year.

About 4,800 motor vehicle thefts occurred in 1998. Polk's total of 1,398 was more than three times the 435 motor vehicle thefts in Scott, which reported the second highest total. When summed, nearly 79,800 property crimes were reported in 1998 (Table 3). As would be expected based on the information for individual property crimes, Polk's total number of property crimes was more than twice that of Scott, which had the next highest total.

Total Crime Index

The addition of serious and property crimes results in a total crime index. This total was about 87,500 in 1998 (Table 3).

Notes: The figures examined in this report are from the IOWA UNIFORM CRIME REPORTS (Iowa Department of Public Safety, Wallace State Office Building, Des Moines, IA 50319) that are published annually. The record of agencies submitting information to the state is improving, but variations in reporting practices suggest that caution be taken in drawing conclusions from these data. See lists of jurisdictions not reporting or providing insufficient data in a note at the end of the section on domestic abuse included in this volume.

Four violent crimes are included in this report: murder (the willful nonnegligent killing of one human being by another), forcible rape (the carnal knowledge of a person, forcibly and/or against that person's will; or, not forcibly or against the person's will where the victim is incapable of giving consent because of her/his temporary or permanent mental or physical incapacity), robbery (taking, or attempting to take, anything of value under confrontational circumstances from the control, custody, or care of another person by force or threat of force or violence and/or by putting the victim in fear of immediate harm), and aggravated assault (an unlawful attack by one person upon another wherein the offender uses a weapon or displays it in a threatening manner, or the victim suffers obvious severe or aggravated bodily injury). Three property crimes are among these serious crimes: burglary (the unlawful entry into a building or other structure with the intent to commit a felony or a theft), larceny (the unlawful taking, carrying, leading, or riding away of property from the possession, or constructive possession, of another person), and motor vehicle theft (the theft of a motor vehicle).

Arrests of Juveniles in Iowa's Counties: 1993-1998

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In addition to records on crimes reported in the state, the Iowa Department of Public Safety tracks the numbers arrested for committing these crimes. Arrests of juveniles (persons under the age of 18) are highlighted in this report.

Caution is urged in interpreting the numbers in the tables for this section. Readers of this annual county data book may recall that statistics on juvenile arrests were reported in this volume for the years 1986 through 1990 (see the 1992 edition). A new reporting format, called the Incident-Based Iowa Uniform Crime Reporting System, was implemented in 1991; as with any revised system, it takes some time for all units responsible for compiling figures to comply in a consistent fashion. That is why 1991 and 1992 were not included in previous editions of our county data book and are not included here. The number of law enforcement units reporting data has changed from one year to the next; estimates suggest that only two-thirds of the data were reported in 1993, for example. This remains a problem, although the magnitude of missing data has diminished somewhat. Still, comparisons of 1993-1998 numbers are not appropriate either for the state or for many counties. ***Jurisdictions not reporting or those providing insufficient data are listed on page 516. Counties in which this occurred are highlighted in Tables 1-9; the numbers in these tables may be underreported—undoubtedly grossly so in instances where jurisdictions with large populations were excluded.***

Arrests for Group A Crimes

The most serious offenses are called Group A crimes. In 1998, 13,302 arrests of juveniles were reported for crimes in this group (Table 1). An individual juvenile may have been arrested for more than one crime; thus, the numbers in this report must be interpreted as the numbers of arrests and not the numbers of juveniles arrested. Arrests of juveniles for Group A crimes exceeded 500 in six counties (Black Hawk, Johnson, Polk, Pottawattamie, Scott, Woodbury) in 1998. On the other hand, 15 others had 1-9 arrests of juveniles for these crimes in 1998. Caution must be repeated; underreporting occurred in some relatively large jurisdictions in the state.

Each of the seven specific Group A crimes reported separately in Tables 2-5—aggravated assault, simple assault, burglary, larceny, motor vehicle theft, vandalism of property, drug offenses—had at least 400 juvenile arrests statewide in 1998. Several others (murder, kidnapping, sexual assault, robbery, intimidation, arson, extortion/blackmail, theft by fraud, stolen property, incest, statutory rape, gambling, prostitution) had relatively small numbers of arrests (most under 100) and are reported as other Group A offenses.

Arrests for larceny (the unlawful taking, carrying, leading, or riding away of property from the possession, or constructive possession, of another person) accounted for 38.4 percent (5,114) of the total arrests of juveniles for Group A crimes in 1998. Simple assault, burglary, vandalism of property, and drug offenses also had at least 1,000 arrests of juveniles. The five most frequently reported arrest categories constituted more than 8 of every 10 (85.2%) juvenile arrests in 1998.

Arrests for Group B Crimes

Crimes not included in the Group A category are labeled Group B crimes. Arrests of juveniles for Group B crimes totaled 11,119 in 1998 (Table 1). Seven counties (Black Hawk, Des Moines, Dubuque,

Polk, Pottawattamie, Scott, Woodbury) had at least 500 arrests for Group B crimes that year. Nineteen other counties had 1-9 arrests, although yet another reminder is necessary that caution should be exercised in interpreting these numbers because of underreporting in some counties.

Individual Group B crimes for which at least 300 juvenile arrests were reported are included in Tables 6-9. Violations related to alcohol (driving under the influence, violations of liquor laws, drunkenness) accounted for more than a third (36.0%) of the total arrests for Group B crimes in 1998.

Total Arrests

When arrests of juveniles for Group A and Group B crimes were added, more than 24,000 occurred in 1998 (Table 1). Six counties (Black Hawk, Dubuque, Polk, Pottawattamie, Scott, Woodbury) reported at least 1,000 arrests and another five (Des Moines, Johnson, Lee, Marshall, Muscatine) had 500 to 999. But a final caution is needed; some law enforcement jurisdictions failed to report or provided insufficient data so comparisons of state and county numbers from one year to another or of counties within any particular year are of limited use.

Notes: The figures examined in this report are from the IOWA UNIFORM CRIME REPORTS (Iowa Department of Public Safety, Wallace State Office Building, Des Moines, IA 50319) that are published annually. The record of agencies submitting information to the state is improving, but variations in reporting practices suggest that caution be taken in drawing conclusions from these data. See lists of jurisdictions not reporting or providing insufficient data in a note at the end of the section on domestic abuse included in this volume.

Table 1. Juvenile Arrests for Total Group A and B Offenses and for Total Offenses in Iowa's Counties, 1993-1998.

County	Total Group A Offenses						Total Group B Offenses						Total (A+B) Arrests					
	1998	1997	1996	1995	1994	1993	1998	1997	1996	1995	1994	1993	1998	1997	1996	1995	1994	1993
Adair	5	4	14	6	6	3	4	5	32	9	13	8	9	9	46	15	19	11
Adams	9	15	23	20	6	6	1	9	14	20	7	6	10	24	37	40	13	12
Allamakee*	0*	0*	0*	0*	0*	0*	8*	4*	1*	1*	3*	3*	8*	4*	1*	1*	3*	3*
Appanoose	89	102	110	106	63	86	106	124	144	86	99	96	195	226	254	192	162	182
Audubon*	6*	1*	0*	0*	0*	0*	4*	5*	5*	5*	1*	3*	10*	6*	5*	5*	1*	3*
Benton*	11*	27*	22*	42*	30*	23*	19*	17*	35*	24*	22*	22*	30*	44*	57*	66*	52*	45*
Black Hawk*	1015	1106*	1147*	872	748	337	554	608*	461*	265	247	344	1569	1714*	1608*	1137	995	681
Boone	85	74	78	94	119	106	96	111	87	135	98	63	181	185	165	229	217	169
Bremer	51	69	66	71	49	42	80	55	60	82	76	34	131	124	126	153	125	76
Buchanan	162	124	100	62	88	96	39	33	26	21	38	49	201	157	126	83	126	145
Buena Vista	150	179	77	126	103	73	130	86	61	96	76	72	280	265	138	222	179	145
Butler	0	0	0	0	0	1	2	3	6	9	10	53	2	3	6	9	10	54
Calhoun	7	12	12	0	2	4	17	8	7	13	7	2	24	20	19	13	9	6
Carroll	86	90	105	72	35	59	62	62	107	62	96	104	148	152	212	134	131	163
Cass	59	58	19	18	42	32	39	23	21	30	23	6	98	81	40	48	65	38
Cedar*	37	29	24*	43	24*	40	45	38	26*	22	30*	25	82	67	50*	65	54*	65
Cerro Gordo*	306*	551	530	569	548	559	183*	220	227	182	304	238	489*	771	757	751	852	797
Cherokee	47	86	92	111	89	103	56	17	30	37	20	22	103	103	122	148	109	125
Chickasaw*	5*	3*	10*	12	9	10	5*	5*	9*	13	30	22	10*	8*	19*	25	39	32
Clarke*	7	20	26	16	14*	15	15	15	12	19	8*	12	22	35	38	35	22*	27
Clay	153	140	162	80	14	13	77	77	113	81	81	121	230	217	275	161	95	134
Clayton*	0*	0*	3	12	5	4	2*	6*	8	23	21	10	2*	6*	11	35	26	14
Clinton*	40*	37*	31*	56*	43*	49*	51*	56*	39*	73*	90*	42*	91*	93*	70*	129*	133*	91*
Crawford*	4*	0	5	0	1	1	69*	43	51	61	57	21	73*	43	56	61	58	22
Dallas*	54	66	99	80	125*	88*	104	70	79	53	61*	52*	158	136	178	133	186*	140*
Davis	0	0	2	1	4	14	11	3	28	18	2	4	11	3	30	19	6	18
Decatur*	0*	0*	2*	3*	19*	13	1*	2*	14*	5*	12*	14	1*	2*	16*	8*	31*	27
Delaware*	63*	52*	71	61	85	42	85*	56*	69	93	74	55	148*	108*	140	154	159	97
Des Moines*	384	286	472	307	65*	181	514	243	247	182	32*	122	898	529	719	489	97*	303
Dickinson*	0*	0*	1*	36*	28	22	8*	9*	13*	21*	65	39	8*	9*	14*	57*	93	61
Dubuque*	332	396	292	204	8*	13*	826	363	896	733	36*	50*	1158	759	1188	937	44*	63*
Emmet*	6	21*	28	21	9	7	3	1*	0	3	0	0	9	22*	28	24	9	7
Fayette*	16*	37	17	12*	12*	13*	78*	116	89	62*	32*	36*	94*	153	106	74*	44*	49*

*While underreporting could occur in any county, either reports were not received or insufficient data were provided from at least one jurisdiction in these counties in the year(s) noted.

Table 1. Juvenile Arrests for Total Group A and B Offenses and for Total Offenses in Iowa's Counties, 1993-1998 (continued).

County	Total Group A Offenses						Total Group B Offenses						Total (A+B) Arrests					
	1998	1997	1996	1995	1994	1993	1998	1997	1996	1995	1994	1993	1998	1997	1996	1995	1994	1993
Floyd*	45*	59*	33	122	107	101	32*	17*	17	40	45	50	77*	76*	50	162	152	151
Franklin*	57*	62*	43*	79*	82	41	26*	31*	62*	66*	48	73	83*	93*	105*	145*	130	114
Fremont*	0*	0*	0*	0*	0*	0*	0*	1*	0*	0*	1*	0*	0*	1*	0*	0*	1*	0*
Greene*	0*	0*	0*	0*	0*	0*	6*	2*	13*	4*	0*	5*	6*	2*	13*	4*	0*	5*
Grundy*	16	24	0*	4*	12	5	22	25	4*	2*	7	6	38	49	4*	6*	19	11
Guthrie	0	0	1	0	0	0	4	0	1	5	3	1	4	0	2	5	3	1
Hamilton	75	102	80	128	72	115	58	48	96	82	46	48	133	150	176	210	118	163
Hancock	38	31	32	24	13	37	22	15	36	29	10	61	60	46	68	53	23	98
Hardin	82	71	78	58	85	122	121	86	58	56	75	87	203	157	136	114	160	209
Harrison*	39	20	0*	4	7	10	36	17	3*	9	10	6	75	37	3*	13	17	16
Henry	50	68	133	107	80	90	35	75	51	44	80	46	85	143	184	151	160	136
Howard	65	66	77	30	44	14	58	33	42	37	18	10	123	99	119	67	62	24
Humboldt*	16	36	15*	3*	2*	0*	16	10	16*	7*	3*	3*	32	46	31*	10*	5*	3*
Ida*	1	0	0	0	0	0*	3	4	3	4	24	4*	4	4	3	4	24	4*
Iowa*	8*	9	14	23	12	3	12*	11	25	15	13	9	20*	20	39	38	25	12
Jackson	61	81	61	87	64	39	115	80	71	110	50	115	176	161	132	197	114	154
Jasper*	31*	155	94	130	83	48	40*	111	78	100	68	76	71*	266	172	230	151	124
Jefferson	68	68	35	40	34	42	22	33	33	11	35	52	90	101	68	51	69	94
Johnson*	552	556*	662	504*	560*	49*	434	347*	332	209*	181*	33*	986	903*	994	713*	741*	82*
Jones*	17*	21*	23*	24	29	43	1*	7*	6*	29	29	42	18*	28*	29*	53	58	85
Keokuk	0	2	1	1	5	14	0	1	1	2	14	8	0	3	2	3	19	22
Kossuth	47	68	86	49	62	45	70	123	89	48	67	22	117	191	175	97	129	67
Lee*	344	359	434	162*	262	142*	211	294	297	161*	304	58*	555	653	731	323*	566	200*
Linn*	224*	197*	295*	225*	227*	112*	140*	111*	73*	50*	43*	24*	364*	308*	368*	275*	270*	136*
Louisa	14	2	6	3	34	39	21	25	19	29	23	32	35	27	25	32	57	71
Lucas	21	44	44	53	44	6	8	16	26	15	32	10	29	60	70	68	76	16
Lyon	32	26	14	15	12	29	42	48	70	114	39	54	74	74	84	129	51	83
Madison*	0	0*	0*	3	0	3	17	0*	6*	2	4	4	17	0*	6*	5	4	7
Mahaska	111	124	93	126	69	95	88	93	88	111	62	59	199	217	181	237	131	154
Marion*	75	84	53*	36*	29*	38*	34	39	61*	30*	75*	57*	109	123	114*	66*	104*	95*
Marshall*	362*	387	371	279	288	255	366*	423	574	359	335	321	728*	810	945	638	623	576
Mills*	0*	0*	1*	0*	0*	0*	0*	0*	6*	4*	3*	6*	0*	0*	7*	4*	3*	6*
Mitchell	25	18	22	33	16	18	41	30	27	11	25	20	66	48	49	44	41	38

Table 1. Juvenile Arrests for Total Group A and B Offenses and for Total Offenses in Iowa's Counties, 1993-1998 (continued).

County	Total Group A Offenses						Total Group B Offenses						Total (A+B) Arrests					
	1998	1997	1996	1995	1994	1993	1998	1997	1996	1995	1994	1993	1998	1997	1996	1995	1994	1993
Monona	32	28	42	3	6	15	66	49	26	26	23	31	98	77	68	29	29	46
Monroe*	0	1*	0*	2*	2*	2*	9	2*	8*	1*	9*	12*	9	3*	8*	3*	11*	14*
Montgomery*	49*	54*	81*	82*	77*	92*	63*	63*	42*	57*	57*	90*	112*	117*	123*	139*	134*	182*
Muscatine	444	336	452	468	450	363	454	307	409	349	276	215	898	643	861	817	726	578
O'Brien	72	84	113	71	64	72	86	103	75	77	55	61	158	187	188	148	119	133
Osceola	31	26	27	18	43	25	57	28	38	34	31	29	88	54	65	52	74	54
Page*	53	105*	83*	47	47*	39	59	59*	91*	50	30*	43	112	164*	174*	97	77*	82
Palo Alto*	22	12*	5*	33	9	19	28	3*	10*	24	19	27	50	15*	15*	57	28	46
Plymouth	73	38	53	60	41	34	83	68	45	55	47	53	156	106	98	115	88	87
Pocahontas	3	1	8	8	7	7	0	3	2	2	5	9	3	4	10	10	12	16
Polk*	1788	1878*	808*	634	609	326*	691	552*	420*	303	330	215*	2479	2430*	1228*	937	939	541*
Pottawattamie*	875*	25*	21*	8*	18*	16*	874*	9*	7*	14*	9*	4*	1749*	34*	28*	22*	27*	20*
Poweshiek*	6*	2*	0*	11*	0*	9	42*	58*	0*	14*	25*	15	48*	60*	0*	25*	25*	24
Ringgold*	0	0	0	2	0*	0	0	0	0	2*	2	2	0	0	0	2	2*	2
Sac*	9	10	12	1	6*	11	10	9	10	23	29*	44	19	19	22	24	35*	55
Scott	1694	1740	1757	1717	1704	1547	1088	1065	1012	1003	728	699	2782	2805	2769	2720	2432	2246
Shelby*	0*	26*	23*	33*	0*	0*	1*	9*	26*	17*	10*	2*	1*	35*	49*	50*	10*	2*
Sioux*	43*	23*	29*	50*	29*	44*	26*	35*	33*	37*	50*	54*	69*	58*	62*	87*	79*	98*
Story	182	290	308	266	203	229	274	318	232	209	149	179	456	608	540	475	352	408
Tama*	44*	68*	59*	50*	43	31	60*	78*	44*	57*	28	42	104*	146*	103*	107*	71	73
Taylor	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
Union*	10*	9*	1*	4*	35*	48	17*	31*	13*	1*	17*	28	27*	40*	14*	5*	52*	76
Van Buren*	21	1	7*	0	1*	16	29	0	5*	4	2*	8	50	1	12*	4	3*	24
Wapello*	95	120	145	135	140*	32*	141	77	96	64	44*	7*	236	197	241	199	184*	39*
Warren*	107	89*	96	146*	144	125	80	80*	62	39*	45	72	187	169*	158	185*	189	197
Washington*	0	0*	0*	0*	0*	0*	0	3*	2*	1*	0*	1*	0	3*	2*	1*	0*	1*
Wayne	1	6	0	2	0	0	5	25	0	2	0	0	6	31	0	4	0	0
Webster*	237	180	214	150	32*	129*	147	66	130	68	14*	176*	384	246	344	218	46*	305*
Winnebago*	14*	11*	24	20	76	42	16*	35*	36	43	26	32	30*	46*	60	63	102	74
Winneshiek	12	34	31	54	31	62	106	67	29	74	75	93	118	101	60	128	106	155
Woodbury*	1686	1572*	1845*	1399*	1541*	1624	1169	1152*	1433*	990*	683*	894	2855	2724*	3278*	2389*	2224*	2518
Worth*	2	3	2*	5	6	3	1	16	0*	9	3	4	3	19	2*	14	9	7
Wright	32	25	26	34	29	23	42	40	29	74	12	13	74	65	55	108	41	36
State of Iowa*	13302*	13122*	12713*	10978*	10120*	8595*	11119*	9059*	9666*	8055*	6376*	6307*	24421*	22181*	22379*	19033*	16496*	14902*

Table 2. Juvenile Arrests for Aggravated Assault and Simple Assault in Iowa's Counties, 1993-1998.

County	Aggravated Assault						Simple Assault					
	1998	1997	1996	1995	1994	1993	1998	1997	1996	1995	1994	1993
Adair	0	1	0	0	0	0	1	0	1	0	0	1
Adams	0	0	1	0	0	0	0	0	0	2	0	0
Allamakee*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
Appanoose	0	0	3	1	2	2	21	20	29	25	17	26
Audubon*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
Benton*	0*	5*	0*	0*	2*	0*	1*	10*	5*	10*	6*	6*
Black Hawk*	23	27*	31*	31	19	10	152	191*	196*	136	175	68
Boone	3	5	0	0	0	4	12	11	14	17	7	14
Bremer	4	1	0	4	0	3	5	9	7	11	1	4
Buchanan	1	0	2	4	3	10	46	23	13	8	12	10
Buena Vista	6	5	3	1	2	4	42	35	14	16	12	12
Butler	0	0	0	0	0	0	0	0	0	0	0	0
Calhoun	0	1	0	0	0	0	0	0	0	0	1	1
Carroll	0	1	4	3	1	5	13	24	20	8	9	6
Cass	0	0	1	1	0	1	11	6	2	1	7	1
Cedar*	0	0	0*	1	0*	2	4	3	3*	8	5*	11
Cerro Gordo*	16*	38	31	39	46	59	26*	35	58	56	45	59
Cherokee	0	4	2	6	1	1	11	22	13	24	27	11
Chickasaw*	0*	0*	0*	0	0	0	0*	0*	2*	6	0	0
Clarke*	0	2	0	2	0*	0	4	8	9	4	4*	1
Clay	1	4	1	0	0	0	14	11	21	9	0	0
Clayton*	0*	0*	0	0	0	0	0*	0*	1	2	0	1
Clinton*	0*	1*	0*	2*	4*	2*	3*	3*	6*	10*	6*	4*
Crawford*	0*	0	0	0	0	0	1*	0	0	0	0	0
Dallas*	2	2	1	2	2*	0*	13	18	18	9	29*	18*
Davis	0	0	0	0	0	0	0	0	0	1	0	1
Decatur*	0*	0*	0*	0*	2*	1	0*	0*	0*	0*	1*	1
Delaware*	2*	3*	4	0	7	1	16*	12*	15	9	13	4
Des Moines*	39	25	29	11	1*	3	89	60	107	57	17*	35
Dickinson*	0*	0*	0*	3*	1	2	0*	0*	0*	3*	0	1
Dubuque*	8	13	5	2	0*	1*	96	111	82	52	0*	2*
Emmet	1	1*	2	1	0	0	1	2*	16	8	2	7
Fayette*	0*	3	2	1*	0*	0*	6*	7	1	3*	3*	1*
Floyd*	0*	0*	0	6	4	2	19*	33*	8	29	22	21
Franklin*	0*	4*	0*	1*	1	1	16*	14*	16*	12*	17	6
Fremont*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
Greene*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
Grundy*	0	0	0*	0*	1	0	1	1	0*	0*	1	0
Guthrie	0	0	0	0	0	0	0	0	0	0	0	0
Hamilton	5	4	1	4	3	1	13	12	10	25	15	39
Hancock	0	0	2	2	3	2	11	6	3	4	0	3
Hardin	0	2	0	3	1	3	22	10	18	7	19	13
Harrison*	1	1	0*	0	0	0	4	4	0*	1	2	2
Henry	4	4	9	6	6	6	8	10	14	14	12	13
Howard	1	1	1	0	1	0	10	8	10	6	2	1
Humboldt*	0	0	0*	0*	0*	0*	5	3	0*	0*	0*	0*
Ida*	0	0	0	0	0	0*	0	0	0	0	0	0*
Iowa*	0*	0	0	0	0	0	0*	0	2	7	4	1
Jackson	4	1	3	3	1	1	18	13	10	18	5	11
Jasper*	3*	5	7	7	2	5	3*	42	22	30	20	12

*While underreporting could occur in any county, either reports were not received or insufficient data were provided from at least one jurisdiction in these counties in the year(s) noted.

Table 2. Juvenile Arrests for Aggravated Assault and Simple Assault in Iowa's Counties, 1993-1998 (continued).

County	Aggravated Assault						Simple Assault					
	1998	1997	1996	1995	1994	1993	1998	1997	1996	1995	1994	1993
Jefferson	3	4	0	1	4	1	9	11	5	7	3	4
Johnson*	43	47*	39	51*	39*	8*	53	57*	48	48*	49*	2*
Jones*	2*	1*	0*	0	0	0	1*	4*	7*	0	6	7
Keokuk	0	0	0	0	0	0	0	0	0	0	0	1
Kossuth	0	0	1	2	1	0	5	6	6	4	5	3
Lee*	27	32	37	1*	8	2*	50	69	69	30*	53	32*
Linn*	31*	20*	27*	19*	14*	8*	17*	32*	29*	27*	45*	18*
Louisa	1	0	0	0	3	0	3	1	4	1	13	13
Lucas	0	3	1	0	0	1	6	9	6	8	12	0
Lyon	2	2	4	0	0	0	6	1	4	3	2	1
Madison*	0	0*	0*	0	0	0	0	0*	0*	0	0	0
Mahaska	1	0	4	7	0	4	8	21	10	12	14	10
Marion*	9	6	3*	4*	1*	1*	10	8	9*	5*	7*	3*
Marshall*	36*	42	13	22	25	21	36*	56	82	58	57	59
Mills*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
Mitchell	0	0	0	0	0	0	1	1	0	1	0	3
Monona	0	2	0	0	0	0	3	3	1	0	4	1
Monroe*	0	0*	0*	1*	0*	0*	0	0*	0*	0*	0*	0*
Montgomery*	0*	3*	1*	1*	0*	1*	9*	12*	17*	25*	20*	26*
Muscatine	40	33	37	33	36	19	57	40	37	60	63	62
O'Brien	3	4	1	0	1	1	12	11	19	10	10	10
Osceola	0	0	0	0	0	0	7	11	7	4	6	5
Page*	3	5*	2*	2	1*	0	12	14*	14*	10	11*	16
Palo Alto*	0	1*	0*	0	0	0	1	2*	0*	1	0	2
Plymouth	1	0	1	0	3	2	13	11	13	16	5	4
Pocahontas	0	0	0	3	0	0	1	0	0	0	4	0
Polk*	58	56*	19*	30	17	4*	243	203*	48*	46	53	21*
Pottawattamie*	28*	0*	0*	0*	0*	0*	206*	6*	4*	1*	2*	1*
Poweshiek*	0*	0*	0*	0*	0*	0	0*	0*	0*	0*	0*	0
Ringgold*	0	0	0	0	0*	0	0	0	0	0	0*	0
Sac*	0	1	2	0	0*	0	4	1	3	0	0*	0
Scott	119	121	132	149	174	131	226	195	197	185	179	135
Shelby*	0*	0*	2*	0*	0*	0*	0*	0*	0*	2*	0*	0*
Sioux*	1*	0*	2*	2*	0*	0*	1*	1*	1*	2*	4*	1*
Story	1	1	4	5	5	8	30	48	30	42	29	18
Tama*	4*	7*	7*	7*	2	1	3*	7*	3*	8*	6	4
Taylor	0	0	0	0	0	0	0	0	0	0	0	0
Union*	0*	0*	0*	0*	0*	3	2*	0*	0*	0*	5*	8
Van Buren*	3	0	0*	0	0*	0	9	0	0*	0	0*	1
Wapello*	11	9	11	2	1*	0*	45	44	60	62	47*	4*
Warren*	5	3*	2	6*	0	4	18	8*	13	23*	24	23
Washington*	0	0*	0*	0*	0*	0*	0	0*	0*	0*	0*	0*
Wayne	0	0	0	0	0	0	0	0	0	0	0	0
Webster*	18	5	28	21	6*	6*	34	39	26	30	5*	28*
Winnebago*	3*	0*	0	1	4	3	1*	1*	6	4	8	4
Winneshiek	0	0	0	0	0	0	3	2	5	2	5	8
Woodbury*	83	81*	138*	195*	198*	173	417	324*	389*	187*	231*	289
Worth*	1	0	0*	0	1	0	0	0	0*	1	1	1
Wright	8	4	0	1	3	1	3	2	5	5	0	1
State of Iowa*	669*	657*	663*	713*	663*	535*	2283*	2038*	1943*	1578*	1506*	1257*

Table 3. Juvenile Arrests for Burglary and Larceny in Iowa's Counties, 1993-1998.

County	Burglary						Larceny					
	1998	1997	1996	1995	1994	1993	1998	1997	1996	1995	1994	1993
Adair	0	0	2	0	1	0	2	0	2	0	3	1
Adams	4	7	10	2	1	6	2	6	5	2	0	0
Allamakee*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
Appanoose	0	6	4	3	0	8	30	43	43	48	31	35
Audubon*	0*	0*	0*	0*	0*	0*	3*	0*	0*	0*	0*	0*
Benton*	0*	1*	0*	9*	4*	7*	7*	9*	9*	18*	7*	4*
Black Hawk*	96	75*	72*	50	62	35	443	509*	529*	425	315	169
Boone	3	4	3	5	12	5	29	33	28	37	55	35
Bremer	6	4	12	8	5	9	8	24	27	30	29	20
Buchanan	27	45	19	22	16	12	42	30	29	18	32	39
Buena Vista	20	25	11	13	29	4	24	62	26	48	30	31
Butler	0	0	0	0	0	1	0	0	0	0	0	0
Calhoun	2	2	2	0	0	0	1	9	4	0	0	0
Carroll	4	0	7	2	1	0	33	33	37	39	5	27
Cass	8	4	4	6	8	3	28	32	1	4	13	22
Cedar*	9	3	7*	9	0*	2	13	9	3*	11	5*	4
Cerro Gordo*	23*	36	41	30	67	60	160*	287	212	312	231	255
Cherokee	0	1	4	5	3	3	11	45	52	36	33	62
Chickasaw*	0*	0*	0*	1	0	0	3*	2*	4*	4	6	10
Clarke*	0	1	2	3	1*	1	1	5	10	4	6*	11
Clay	6	10	11	11	6	5	44	68	74	52	6	5
Clayton*	0*	0*	0	1	0	0	0*	0*	0	3	2	0
Clinton*	4*	9*	6*	0*	4*	3*	19*	13*	9*	11*	15*	23*
Crawford*	0*	0	1	0	0	0	0*	0	2	0	0	0
Dallas*	5	7	5	3	10*	1*	12	23	34	40	55*	42*
Davis	0	0	0	0	3	6	0	0	2	0	1	7
Decatur*	0*	0*	0*	0*	3*	2	0*	0*	2*	0*	8*	5
Delaware*	7*	13*	14	4	14	6	13*	14*	25	25	29	16
Des Moines*	24	12	53	18	8*	16	155	129	198	140	19*	70
Dickinson*	0*	0*	0*	1*	4	0	0*	0*	0*	18*	13	12
Dubuque*	15	24	16	11	1*	0*	149	152	123	86	5*	8*
Emmet	1	1*	0	0	7	0	3	10*	8	11	0	0
Fayette*	0*	5	3	0*	0*	0*	3*	14	3	4*	1*	6*
Floyd*	0*	2*	2	5	16	4	19*	13*	10	54	47	54
Franklin*	6*	2*	4*	4*	5	2	18*	29*	12*	28*	17	20
Fremont*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
Greene*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
Grundy*	2	2	0*	3*	4	2	5	11	0*	0*	1	3
Guthrie	0	0	0	0	0	0	0	0	0	0	0	0
Hamilton	4	26	10	11	10	7	29	35	41	44	24	38
Hancock	2	2	4	3	1	7	17	5	9	4	4	11
Hardin	6	12	12	10	20	13	28	27	35	24	20	59
Harrison*	3	0	0*	0	2	0	13	3	0*	0	0	6
Henry	4	4	19	12	10	8	19	17	56	44	25	41
Howard	0	16	11	6	1	0	35	9	30	7	26	4
Humboldt*	0	1	4*	0*	0*	0*	8	21	7*	3*	2*	0*
Ida*	0	0	0	0	0	0*	0	0	0	0	0	0*
Iowa*	1*	0	1	1	0	0	2*	2	7	4	4	0
Jackson	4	12	3	1	1	1	15	33	33	37	17	16
Jasper*	9*	17	11	23	6	7	2*	33	10	42	21	12

*While underreporting could occur in any county, either reports were not received or insufficient data were provided from at least one jurisdiction in these counties in the year(s) noted.

Table 3. Juvenile Arrests for Burglary and Larceny in Iowa's Counties, 1993-1998 (continued).

County	Burglary						Larceny					
	1998	1997	1996	1995	1994	1993	1998	1997	1996	1995	1994	1993
Jefferson	5	10	7	5	0	5	26	24	14	18	18	20
Johnson*	49	37*	54	39*	36*	9*	203	204*	291	209*	248*	7*
Jones*	0*	3*	0*	2	0	3	13*	7*	12*	15	14	11
Keokuk	0	0	0	0	4	8	0	0	1	0	0	5
Kossuth	6	8	17	6	11	0	6	28	35	24	28	24
Lee*	38	31	73	10*	28	11*	121	109	122	81*	105	55*
Linn*	58*	16*	38*	27*	54*	23*	59*	49*	67*	73*	55*	12*
Louisa	1	0	0	0	6	10	2	0	2	0	7	4
Lucas	0	0	5	1	1	0	5	22	19	22	15	4
Lyon	10	5	0	1	1	10	10	12	3	5	6	9
Madison*	0	0*	0*	0	0	0	0	0*	0*	1	0	3
Mahaska	18	13	11	35	13	6	59	51	40	33	27	33
Marion*	0	1	2*	4*	0*	3*	23	43	24*	9*	10*	21*
Marshall*	18*	13	23	16	22	18	158*	151	175	109	105	107
Mills*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
Mitchell	4	0	1	0	4	2	11	7	8	12	9	8
Monona	2	3	19	0	0	3	12	10	0	0	2	6
Monroe*	0	0*	0*	0*	0*	0*	0	0*	0*	1*	2*	1*
Montgomery*	5*	0*	0*	5*	7*	12*	11*	14*	32*	27*	24*	30*
Muscatine	51	50	56	43	32	44	152	92	173	179	146	152
O'Brien	11	10	8	10	7	11	33	35	46	28	29	33
Osceola	11	4	5	6	9	4	1	10	3	5	14	10
Page*	3	6*	0*	11	6*	1	15	47*	42*	11	16*	14
Palo Alto*	5	5*	0*	0	4	2	10	1*	1*	14	5	10
Plymouth	8	4	0	9	1	2	22	11	21	13	11	16
Pocahontas	0	0	4	0	0	0	0	0	3	2	3	1
Polk*	93	64*	58*	20	40	26*	771	968*	430*	317	329	211*
Pottawattamie*	13*	4*	3*	3*	2*	10*	330*	4*	5*	0*	2*	4*
Poweshiek*	0*	0*	0*	3*	0*	1	2*	0*	0*	5*	0*	1
Ringgold*	0	0	0	0	0*	0	0	0	0	0*	0	0
Sac*	2	4	0	0	2*	4	2	2	2	1	0*	4
Scott	122	129	111	99	145	180	686	744	658	595	640	619
Shelby*	0*	1*	4*	0*	0*	0*	0*	14*	9*	14*	0*	0*
Sioux*	15*	1*	4*	8*	12*	16*	7*	1*	9*	4*	9*	8*
Story	13	18	33	20	25	31	62	123	130	132	90	108
Tama*	10*	13*	6*	16*	6	11	4*	11*	17*	7*	5	7
Taylor	0	0	0	0	0	0	0	0	0	0	0	0
Union*	1*	1*	0*	1*	2*	2	3*	3*	1*	2*	20*	20
Van Buren*	1	0	2*	0	0*	2	2	0	3*	0	0*	1
Wapello*	3	9	5	6	14*	13*	29	49	53	49	67*	5*
Warren*	12	6*	4	22*	24	20	34	39*	35	51*	62	43
Washington*	0	0*	0*	0*	0*	0*	0	0*	0*	0*	0*	0*
Wayne	0	0	0	1	0	0	0	3	0	0	0	0
Webster*	23	14	15	23	1*	14*	100	90	117	57	16*	63*
Winnebago*	2*	1*	1	4	8	7	1*	0*	5	3	17	9
Winneshiek	0	1	2	0	7	10	5	23	11	22	8	35
Woodbury*	90	85*	72*	105*	100*	153	661	723*	816*	544*	588*	654
Worth*	0	0	0*	0	0	0	0	0	0*	0	0	0
Wright	0	4	8	7	0	4	15	7	2	8	12	7
State of Iowa*	1008	965*	1041*	864*	980*	937*	5114*	5530*	5188*	4419*	3927*	3578*

Table 4. Juvenile Arrests for Motor Vehicle Theft and Vandalism of Property in Iowa's Counties, 1993-1998.

County	Motor Vehicle Theft						Vandalism of Property					
	1998	1997	1996	1995	1994	1993	1998	1997	1996	1995	1994	1993
Adair	0	0	0	0	0	0	1	2	6	4	2	1
Adams	2	0	4	2	0	0	0	2	2	10	5	0
Allamakee*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
Appanoose	8	12	12	2	0	2	17	8	8	15	5	7
Audubon*	0*	1*	0*	0*	0*	0*	2*	0*	0*	0*	0*	0*
Benton*	0*	0*	0*	0*	5*	1*	0*	0*	2*	1*	1*	4*
Black Hawk*	39	25*	40*	43	36	4	95	95*	101*	82	70	29
Boone	2	3	7	2	7	7	22	6	11	14	28	33
Bremer	3	8	5	10	2	1	6	4	2	3	2	0
Buchanan	3	0	3	0	2	0	27	6	14	5	16	22
Buena Vista	1	1	2	6	4	8	29	32	9	24	16	2
Butler	0	0	0	0	0	0	0	0	0	0	0	0
Calhoun	0	0	0	0	0	0	1	0	5	0	0	3
Carroll	8	3	2	0	1	1	20	19	21	17	13	18
Cass	0	1	0	0	3	0	2	8	5	4	3	1
Cedar*	1	0	1*	2	0*	3	9	6	3*	7	3*	7
Cerro Gordo*	2*	3	10	21	17	19	27*	94	106	63	90	70
Cherokee	3	0	1	5	4	2	9	8	16	18	13	18
Chickasaw*	0*	0*	0*	0	1	0	1*	0*	3*	1	0	0
Clarke*	0	0	1	0	0*	0	1	3	0	1	1*	2
Clay	2	9	17	5	0	0	82	20	18	0	0	3
Clayton*	0*	0*	1	0	0	0	0*	0*	0	5	2	3
Clinton*	1*	0*	1*	6*	4*	2*	9*	5*	7*	24*	8*	14*
Crawford*	0*	0	1	0	0	0	0*	0	0	0	1	0
Dallas*	0	0	6	5	2*	3*	8	9	22	17	9*	17*
Davis	0	0	0	0	0	0	0	0	0	0	0	0
Decatur*	0*	0*	0*	0*	2*	1	0*	0*	0*	0*	1*	1
Delaware*	1*	4*	0	4	2	0	8*	3*	10	11	8	8
Des Moines*	6	4	13	7	2*	10	32	22	43	39	13*	31
Dickinson*	0*	0*	0*	0*	1	0	0*	0*	0*	6*	6	7
Dubuque*	2	20	11	7	1*	2*	12	23	17	24	0*	0*
Emmet	0	7*	2	0	0	0	0	0*	0	0	0	0
Fayette*	0*	1	0	1*	0*	1*	1*	2	3	0*	6*	1*
Floyd*	0*	1*	0	4	0	0	6*	5*	8	11	6	13
Franklin*	5*	1*	3*	9*	5	0	2*	2*	1*	15*	12	11
Fremont*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
Greene*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
Grundy*	0	1	0*	0*	2	0	0	3	0*	0*	1	0
Guthrie	0	0	0	0	0	0	0	0	0	0	0	0
Hamilton	0	3	3	6	1	1	11	12	7	33	16	25
Hancock	0	5	2	3	0	1	7	8	3	5	2	6
Hardin	14	6	3	6	9	5	6	7	4	7	7	25
Harrison*	2	4	0*	0	0	0	2	3	0*	2	0	2
Henry	5	4	8	8	1	3	3	19	18	10	11	10
Howard	3	8	1	4	2	0	12	17	20	5	9	9
Humboldt*	3	0	0*	0*	0*	0*	0	3	3*	0*	0*	0*
Ida*	0	0	0	0	0	0*	0	0	0	0	0	0*
Iowa*	1*	1	1	2	1	0	2*	1	2	6	1	2
Jackson	3	2	2	3	13	2	11	10	7	22	20	6
Jasper*	5*	10	9	1	14	1	2*	23	15	14	11	3

*While underreporting could occur in any county, either reports were not received or insufficient data were provided from at least one jurisdiction in these counties in the year(s) noted.

Table 4. Juvenile Arrests for Motor Vehicle Theft and Vandalism of Property in Iowa's Counties, 1993-1998
(continued).

County	Motor Vehicle Theft						Vandalism of Property					
	1998	1997	1996	1995	1994	1993	1998	1997	1996	1995	1994	1993
Jefferson	7	4	3	0	2	0	12	2	0	6	7	5
Johnson*	7	13*	8	7*	17*	5*	67	62*	64	60*	55*	11*
Jones*	0*	2*	0*	0	1	1	1*	0*	1*	4	1	19
Keokuk	0	0	0	1	1	0	0	0	0	0	0	0
Kossuth	3	12	2	0	2	2	25	8	21	11	12	6
Lee*	9	9	13	1*	9	1*	56	51	59	19*	46	35*
Linn*	8*	6*	14*	12*	10*	17*	18*	41*	60*	37*	38*	28*
Louisa	3	1	0	2	1	5	0	0	0	0	3	6
Lucas	1	1	0	0	2	0	2	5	10	14	9	1
Lyon	0	0	0	0	0	3	3	3	1	0	1	4
Madison*	0	0*	0*	0	0	0	0	0*	0*	0	0	0
Mahaska	0	6	8	2	3	8	13	19	14	28	7	16
Marion*	1	6	1*	2*	0*	0*	16	7	6*	10*	9*	7*
Marshall*	6*	6	4	10	19	9	39*	33	25	31	32	26
Mills*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
Mitchell	2	0	0	0	3	1	5	3	10	18	0	0
Monona	3	0	0	0	0	0	0	3	18	0	0	4
Monroe*	0	0*	0*	0*	0*	0*	0	0*	0*	0*	0*	0*
Montgomery*	6*	1*	7*	5*	4*	4*	6*	15*	10*	5*	16*	11*
Muscatine	24	24	21	21	19	7	29	39	56	63	86	37
O'Brien	4	1	7	3	2	4	7	10	21	12	9	9
Osceola	0	0	2	3	0	1	3	0	7	0	10	4
Page*	0	2*	0*	3	0*	1	4	11*	10*	5	10*	3
Palo Alto*	0	0*	0*	0	0	0	3	3*	3*	15	0	0
Plymouth	0	0	1	1	1	0	9	6	5	14	10	7
Pocahontas	2	1	1	2	0	0	0	0	0	0	0	4
Polk*	48	68*	19*	14	25	23*	162	125*	89*	90	60	24*
Pottawattamie*	17*	4*	2*	0*	4*	0*	125*	3*	4*	2*	2*	1*
Poweshiek*	3*	0*	0*	1*	0*	1	1*	2*	0*	2*	0*	6
Ringgold*	0	0	0	2	0*	0	0	0	0	0	0*	0
Sac*	0	0	0	0	1*	0	1	2	4	0	2*	1
Scott	69	63	75	125	75	67	118	110	136	153	144	123
Shelby*	0*	2*	2*	0*	0*	0*	0*	0*	3*	14*	0*	0*
Sioux*	1*	6*	3*	11*	0*	3*	16*	7*	0*	19*	2*	11*
Story	7	14	10	6	3	12	24	34	42	31	22	41
Tama*	5*	6*	3*	3*	2	3	11*	10*	18*	4*	20	5
Taylor	0	0	0	0	0	0	0	0	0	0	0	0
Union*	0*	1*	0*	1*	4*	0	4*	3*	0*	0*	2*	15
Van Buren*	2	0	0*	0	0*	0	0	1	2*	0	0*	12
Wapello*	0	0	4	1	3*	3*	5	6	7	8	2*	7*
Warren*	3	2*	2	5*	3	1	12	6*	11	15*	10	12
Washington*	0	0*	0*	0*	0*	0*	0	0*	0*	0*	0*	0*
Wayne	0	0	0	0	0	0	0	3	0	0	0	0
Webster*	1	0	0	2	0*	3*	25	18	16	11	4*	8*
Winnebago*	1*	2*	1	0	4	0	4*	3*	3	2	30	1
Winneshiek	1	2	0	4	7	1	2	1	5	22	2	5
Woodbury*	29	53*	63*	40*	51*	50	105	81*	107*	109*	233*	134
Worth*	0	1	0*	0	0	0	0	0	0*	0	2	1
Wright	2	1	0	1	1	4	0	6	7	10	9	5
State of Iowa*	400*	468*	448*	465*	423*	320*	1418*	1123*	1377*	1369*	1325*	1069*

Table 5. Juvenile Arrests for Drug Offenses and Other Group A Offenses in Iowa's Counties, 1993-1998.

County	Drug Offenses						Other Group A Offenses					
	1998	1997	1996	1995	1994	1993	1998	1997	1996	1995	1994	1993
Adair	1	0	3	2	0	0	0	1	0	0	0	0
Adams	0	0	0	0	0	0	1	0	1	2	0	0
Allamakee*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
Appanoose	8	2	4	5	0	1	5	11	7	7	8	5
Audubon*	1*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
Benton*	3*	1*	5*	2*	3*	1*	0*	1*	1*	2*	2*	0*
Black Hawk*	111	116*	104*	52	20	6	56	68*	74*	53	51	16
Boone	7	5	8	7	2	1	7	7	7	12	8	7
Bremer	17	17	8	4	5	1	2	2	5	1	5	4
Buchanan	10	3	10	3	2	0	6	17	10	2	5	3
Buena Vista	12	5	12	5	1	0	16	14	0	13	9	12
Butler	0	0	0	0	0	0	0	0	0	0	0	0
Calhoun	0	0	0	0	0	0	3	0	1	0	1	0
Carroll	1	3	1	0	0	0	7	7	13	3	5	2
Cass	8	5	4	1	2	1	2	2	2	1	6	3
Cedar*	1	6	5*	5	4*	1	0	2	2*	0	7*	10
Cerro Gordo*	28*	30	37	17	16	8	24*	28	35	31	36	29
Cherokee	8	3	2	1	0	0	5	3	2	16	8	6
Chickasaw*	1*	1*	1*	0	1	0	0*	0*	0*	0	1	0
Clarke*	1	0	1	0	0*	0	0	1	3	2	2*	0
Clay	1	8	16	3	0	0	3	10	4	0	2	0
Clayton*	0*	0*	1	0	0	0	0*	0*	0	1	1	0
Clinton*	2*	5*	2*	1*	1*	0*	2*	1*	0*	2*	1*	1*
Crawford*	3*	0	1	0	0	0	0*	0	0	0	0	1
Dallas*	8	4	4	1	1*	2*	6	3	9	3	17*	5*
Davis	0	0	0	0	0	0	0	0	0	0	0	0
Decatur*	0*	0*	0*	2*	1*	0	0*	0*	0*	1*	1*	2
Delaware*	10*	2*	2	3	5	0	6*	1*	1	5	7	7
Des Moines*	29	14	23	18	0*	1	10	20	6	17	5*	15
Dickinson*	0*	0*	1*	1*	2	0	0*	0*	0*	4*	1	0
Dubuque*	27	25	23	5	0*	0*	23	28	15	17	1*	0*
Emmet*	0	0*	0	1	0	0	0	0*	0	0	0	0
Fayette*	5*	2	3	2*	1*	0*	1*	3	2	1*	1*	4*
Floyd*	1*	4*	4	8	4	1	0*	1*	1	5	8	6
Franklin*	9*	7*	5*	2*	1	0	1*	3*	2*	8*	24	1
Fremont*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
Greene*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
Grundy*	8	6	0*	1*	0	0	0	0	0*	0*	2	0
Guthrie	0	0	1	0	0	0	0	0	0	0	0	0
Hamilton	9	8	2	2	0	0	4	2	6	3	3	4
Hancock	0	2	1	0	0	0	1	3	8	3	3	7
Hardin	4	6	4	0	4	1	2	1	2	1	5	3
Harrison*	11	5	0*	0	3	0	3	0	0*	1	0	0
Henry	5	5	5	8	5	2	2	5	4	5	10	7
Howard	0	3	2	2	0	0	4	4	2	0	3	0
Humboldt*	0	0	0*	0*	0*	0*	0	8	1*	0*	0*	0*
Ida*	0	0	0	0	0	0*	1	0	0	0	0	0*
Iowa*	0*	1	1	1	0	0	2*	4	0	2	2	0
Jackson	4	5	3	1	2	0	2	5	0	2	5	2
Jasper*	6*	17	13	6	2	2	1*	8	7	7	7	6

*While underreporting could occur in any county, either reports were not received or insufficient data were provided from at least one jurisdiction in these counties in the year(s) noted.

Table 5. Juvenile Arrests for Drug Offenses and Other Group A Offenses in Iowa's Counties, 1993-1998 (continued).

County	Drug Offenses						Other Group A Offenses					
	1998	1997	1996	1995	1994	1993	1998	1997	1996	1995	1994	1993
Jefferson	4	7	5	0	0	6	2	6	1	3	0	1
Johnson*	87	95*	111	45*	58*	0*	43	41*	47	45*	58*	7*
Jones*	0*	2*	2*	1	5	0	0*	2*	1*	2	2	2
Keokuk	0	0	0	0	0	0	0	2	0	0	0	0
Kossuth	1	2	0	0	1	0	1	4	4	2	2	10
Lee*	30	35	36	12*	7	1*	13	23	25	8*	6	5*
Linn*	26*	28*	37*	8*	0*	2*	7*	5*	23*	22*	11*	4*
Louisa	3	0	0	0	1	0	1	0	0	0	0	1
Lucas	4	2	2	3	1	0	3	2	1	5	4	0
Lyon	1	0	0	5	0	0	0	3	2	1	2	2
Madison*	0	0*	0*	2	0	0	0	0*	0*	0	0	0
Mahaska	4	10	4	2	1	9	8	4	2	7	4	9
Marion*	5	7	7*	2*	0*	1*	11	6	1*	0*	2*	2*
Marshall*	35*	50	33	27	10	4	34*	36	16	6	18	11
Mills*	0*	0*	1*	0*	0*	0*	0*	0*	0*	0*	0*	0*
Mitchell	0	3	0	0	0	4	2	4	3	2	0	0
Monona	3	2	4	1	0	1	9	5	0	2	0	0
Monroe*	0	1*	0*	0*	0*	1*	0	0*	0*	0*	0*	0*
Montgomery*	8*	5*	3*	1*	0*	1*	4*	4*	11*	13*	6*	7*
Muscatine	60	43	41	47	27	23	31	15	31	22	41	19
O'Brien	1	8	10	6	0	0	1	5	1	2	6	4
Osceola	6	0	2	0	0	0	3	1	1	0	4	1
Page*	5	8*	2*	3	0*	2	11	12*	13*	2	3*	2
Palo Alto*	1	0*	0*	0	0	0	2	0*	1*	3	0	5
Plymouth	14	3	8	6	5	0	6	3	4	1	5	3
Pocahontas	0	0	0	0	0	0	0	0	0	1	0	2
Polk*	291	291*	100*	76	49	5*	122	103*	45*	41	36	12*
Pottawattamie*	97*	2*	3*	1*	6*	0*	59*	2*	0*	1*	0*	0*
Poweshiek*	0*	0*	0*	0*	0*	0	0*	0*	0*	0*	0*	0
Ringgold*	0	0	0	0	0*	0	0	0	0	0	0*	0
Sac*	0	0	0	0	0*	0	0	0	1	0	1*	2
Scott	225	243	281	214	150	108	129	135	167	197	197	184
Shelby*	0*	2*	1*	1*	0*	0*	0*	7*	2*	2*	0*	0*
Sioux*	0*	1*	5*	1*	0*	0*	2*	6*	5*	3*	2*	5*
Story	26	30	35	16	12	2	19	22	24	14	17	9
Tama*	5*	9*	2*	1*	1	0	2*	5*	3*	4*	1	0
Taylor	0	0	0	0	0	0	0	0	0	0	0	0
Union*	0*	0*	0*	0*	0*	0	0*	1*	0*	0*	2*	0
Van Buren*	3	0	0*	0	0*	0	1	0	0*	0	1*	0
Wapello*	0	0	1	3	1*	0*	2	3	4	4	5*	0*
Warren*	15	14*	19	8*	16	13	8	11*	10	16*	5	9
Washington*	0	0*	0*	0*	0*	0*	0	0*	0*	0*	0*	0*
Wayne	0	0	0	0	0	0	1	0	0	1	0	0
Webster*	25	11	7	0	0*	4*	11	3	5	6	0*	3*
Winnebago*	1*	3*	6	5	2	1	1*	1*	2	1	3	17
Winneshiek	0	2	3	0	1	1	1	3	5	4	1	2
Woodbury*	162	140*	116*	102*	38*	47	139	85*	144*	117*	102*	124
Worth*	1	2	1*	4	0	1	0	0	1*	0	2	0
Wright	0	1	2	0	4	0	4	0	2	2	0	1
State of Iowa*	1509*	1388*	1212*	775*	484*	266*	901*	844*	841*	795*	812*	633*

Table 6. Juvenile Arrests for Curfew/Loitering and Disorderly Conduct in Iowa's Counties, 1993-1998.

County	Curfew/Loitering						Disorderly Conduct					
	1998	1997	1996	1995	1994	1993	1998	1997	1996	1995	1994	1993
Adair	0	0	0	0	0	0	0	0	0	1	0	0
Adams	0	0	0	0	0	0	0	0	0	0	0	4
Allamakee*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
Appanoose	3	13	16	0	16	14	13	9	11	23	8	18
Audubon*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
Benton*	0*	0*	0*	0*	0*	0*	2*	3*	4*	4*	5*	0*
Black Hawk*	231	234*	102*	15	24	38	130	158*	124*	119	126	131
Boone	11	8	15	49	15	0	14	3	8	7	12	7
Bremer	0	0	0	0	0	0	2	8	2	8	7	6
Buchanan	0	0	0	1	0	0	7	13	8	6	9	5
Buena Vista	0	0	0	0	0	0	18	13	7	4	7	6
Butler	0	0	0	0	0	0	0	0	0	0	0	0
Calhoun	0	0	0	0	0	0	0	0	0	0	1	0
Carroll	2	5	37	0	1	5	5	7	0	2	4	3
Cass	0	0	0	3	1	0	1	0	0	1	0	1
Cedar*	1	2	0*	2	0*	1	3	4	0*	1	0*	0
Cerro Gordo*	0*	0	0	0	0	0	25*	28	16	38	29	15
Cherokee	0	0	0	0	0	0	3	3	9	3	0	1
Chickasaw*	0*	0*	0*	0	0	0	0*	0*	2*	1	2	3
Clarke*	0	0	0	0	0*	0	3	3	2	4	1*	1
Clay	0	0	1	0	0	0	4	0	2	9	4	5
Clayton*	0*	0*	0	0	0	0	0*	0*	0	5	0	0
Clinton*	9*	21*	20*	19*	36*	7*	1*	1*	0*	3*	5*	0*
Crawford*	0*	0	0	0	0	0	20*	11	2	1	2	0
Dallas*	0	2	1	0	0*	0*	23	8	10	9	5*	8*
Davis	0	0	0	1	0	0	0	0	0	0	0	0
Decatur*	0*	0*	0*	0*	0*	0	0*	0*	0*	0*	0*	1
Delaware*	5*	12*	10	4	12	6	11*	0*	1	0	0	5
Des Moines*	187	68	0	0	0*	0	73	49	58	39	7*	16
Dickinson*	0*	0*	0*	0*	3	4	0*	0*	0*	1*	0	6
Dubuque*	0	0	0	0	0*	0*	50	3	34	353	0*	0*
Emmet*	0	0*	0	0	0	0	3	0*	0	0	0	0
Fayette*	0*	0	0	0*	0*	0*	11*	14	2	3*	1*	0*
Floyd*	0*	0*	0	0	0	0	5*	3*	0	4	2	0
Franklin*	0*	0*	0*	0*	0	0	9*	12*	24*	15*	7	7
Fremont*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
Greene*	0*	0*	0*	0*	0*	0*	0*	0*	1*	0*	0*	0*
Grundy*	0	0	0*	0*	0	0	2	0	0*	0*	3	0
Guthrie	0	0	0	0	0	0	0	0	0	0	0	0
Hamilton	0	0	0	0	0	0	9	4	27	17	4	5
Hancock	2	0	0	0	0	11	2	0	1	1	1	0
Hardin	15	12	0	0	8	2	8	2	0	2	3	15
Harrison*	0	0	0*	0	0	0	2	2	0*	0	0	3
Henry	0	0	0	0	0	0	12	16	12	5	6	3
Howard	0	0	0	0	0	0	7	0	0	3	0	0
Humboldt*	0	0	0*	0*	0*	0*	1	0	0*	0*	0*	1*
Ida*	0	0	0	0	0	0*	0	0	0	0	0	0*
Iowa*	0*	0	0	0	0	0	0*	0	1	0	0	0
Jackson	26	21	13	20	5	0	13	3	13	7	1	1
Jasper*	0*	1	3	13	0	0	5*	33	18	24	14	9

*While underreporting could occur in any county, either reports were not received or insufficient data were provided from at least one jurisdiction in these counties in the year(s) noted.

Table 6. Juvenile Arrests for Curfew/Loitering and Disorderly Conduct in Iowa's Counties, 1993-1998 (continued).

County	Curfew/Loitering						Disorderly Conduct					
	1998	1997	1996	1995	1994	1993	1998	1997	1996	1995	1994	1993
Jefferson	0	0	0	0	0	0	0	1	0	0	1	3
Johnson*	0	0*	0	0*	6*	0*	32	33*	29	26*	30*	1*
Jones*	0*	0*	0*	0	0	0	0*	1*	0*	2	2	2
Keokuk	0	0	0	0	0	0	0	0	0	0	0	0
Kossuth	23	12	3	2	0	0	2	1	4	3	3	1
Lee*	32	32	68	22*	65	0*	59	100	92	49*	51	16*
Linn*	0*	0*	0*	0*	0*	0*	4*	10*	6*	4*	1*	4*
Louisa	0	0	0	10	0	0	0	0	1	3	2	4
Lucas	4	0	6	9	0	3	1	10	7	2	8	2
Lyon	0	0	0	1	0	0	2	4	0	0	2	1
Madison*	3	0*	2*	1	0	0	0	0*	0*	0	0	2
Mahaska	6	21	18	19	8	1	12	7	10	7	10	8
Marion*	0	0	0*	0*	0*	0*	4	3	6*	1*	10*	10*
Marshall*	76*	125	211	96	127	81	94*	72	65	46	49	47
Mills*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
Mitchell	0	0	0	0	0	0	0	0	0	0	0	0
Monona	0	0	0	0	0	0	2	0	0	0	0	1
Monroe*	0	0*	0*	0*	0*	0*	2	0*	0*	0*	0*	2*
Montgomery*	11*	6*	9*	6*	20*	20*	3*	3*	4*	3*	2*	7*
Muscatine	92	97	106	95	76	61	151	76	120	113	67	71
O'Brien	0	0	0	0	0	0	3	5	12	2	2	1
Osceola	0	0	0	0	0	0	1	0	0	0	5	0
Page*	8	8	21*	15	0*	7	9	2	1*	1	4*	2
Palo Alto*	0	0*	0*	0	0	0	1	0*	0*	0	0	1
Plymouth	0	0	0	0	0	0	17	2	0	2	2	1
Pocahontas	0	0	0	0	0	0	0	0	0	1	0	1
Polk*	1	0*	0*	0	0	3*	67	29*	6*	9	2	8*
Pottawattamie*	267*	2*	0*	0*	0*	0*	72*	2*	0*	0*	0*	0*
Poweshiek*	0*	0*	0*	0*	0*	0	0*	0*	0*	0*	0*	1
Ringgold*	0	0	0	0	0*	0	0	0	0	0	0*	0
Sac*	0	0	0	0	0*	5	1	1	0	0	0*	0
Scott	116	104	113	151	83	4	94	74	104	82	65	96
Shelby*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
Sioux*	2*	0*	1*	2*	0*	0*	0*	0*	2*	1*	1*	4*
Story	0	0	0	0	0	0	7	5	3	6	4	3
Tama*	0*	0*	0*	0*	0	0	2*	0*	0*	4*	0	5
Taylor	0	0	0	0	0	0	0	0	0	0	0	0
Union*	0*	1*	0*	0*	0*	0	1*	7*	4*	0*	0*	2
Van Buren*	0	0	0*	0	0*	0	3	0	1*	0	0*	0
Wapello*	2	9	5	0	0*	0*	15	16	16	12	3*	0*
Warren*	0	0*	0	0*	0	0	26	17*	4	4*	4	4
Washington*	0	0*	0*	0*	0*	0*	0	0*	0*	0*	0*	0*
Wayne	0	0	0	0	0	0	0	0	0	0	0	0
Webster*	0	0	0	0	0*	0*	53	23	63	33	6*	27*
Winnebago*	0*	0*	0	1	0	0	2*	1*	1	0	3	0
Winneshiek	0	0	0	0	0	5	1	0	2	1	0	6
Woodbury*	268	280*	458*	223*	186*	247	259	333*	366*	215*	106*	224
Worth*	0	0	0*	0	0	0	0	0	0*	0	0	0
Wright	0	0	0	0	0	0	4	1	5	7	1	0
State of Iowa*	1403*	1096*	1239*	780*	692*	525*	1503*	1252*	1333*	1362*	722*	854*

Table 7. Juvenile Arrests for Driving Under the Influence and Drunkenness in Iowa's Counties, 1993-1998.

County	Driving Under the Influence						Drunkenness					
	1998	1997	1996	1995	1994	1993	1998	1997	1996	1995	1994	1993
Adair	1	0	1	1	0	0	0	0	0	0	0	0
Adams	0	1	0	0	0	0	0	0	0	0	0	0
Allamakee*	0*	1*	0*	0*	1*	0*	0*	0*	0*	0*	0*	0*
Appanoose	7	8	3	0	2	2	5	2	6	7	3	2
Audubon*	1*	1*	1*	0*	0*	1*	0*	0*	0*	0*	0*	0*
Benton*	1*	3*	3*	1*	3*	0*	0*	5*	3*	0*	3*	0*
Black Hawk*	11	12*	13*	9	6	14	16	9*	5*	10	8	12
Boone	7	6	1	0	2	1	2	2	3	2	0	1
Bremer	5	1	3	2	3	2	5	8	11	4	4	4
Buchanan	5	0	3	3	2	4	1	0	1	0	0	3
Buena Vista	1	4	2	2	2	2	8	4	5	6	5	2
Butler	0	0	0	1	1	1	0	0	0	0	1	0
Calhoun	3	0	2	0	0	0	5	0	0	0	1	0
Carroll	3	7	3	2	1	2	0	2	1	1	1	4
Cass	3	4	3	2	2	3	0	6	2	0	0	0
Cedar*	2	0	1*	1	0*	2	2	0	0*	1	1*	3
Cerro Gordo*	8*	9	14	5	3	7	4*	10	9	13	5	10
Cherokee	3	1	2	2	1	0	2	0	0	0	1	2
Chickasaw*	0*	1*	0*	1	1	1	0*	0*	2*	1	2	2
Clarke*	1	0	0	0	0*	1	0	0	1	1	0*	0
Clay	6	3	6	3	0	4	6	1	4	3	4	3
Clayton*	1*	1*	1	3	3	1	0*	0*	1	2	0	2
Clinton*	1*	0*	3*	0*	0*	0*	5*	1*	1*	7*	8*	4*
Crawford*	3*	3	3	1	1	4	2*	2	2	9	13	3
Dallas*	3	3	12	0	4*	2*	2	5	2	2	0*	0*
Davis	0	0	1	0	0	0	0	0	0	0	0	0
Decatur*	0*	1*	2*	0*	2*	2	0*	0*	0*	0*	1*	0
Delaware*	4*	3*	0	6	1	3	7*	0*	1	6	1	5
Des Moines*	7	1	3	2	1*	1	13	5	9	2	0*	1
Dickinson*	0*	1*	1*	1*	3	3	0*	0*	0*	0*	2	1
Dubuque*	12	57	13	98	1*	2*	19	3	20	75	1*	1*
Emmet*	0	0*	0	0	0	0	0	0*	0	3	0	0
Fayette*	1*	4	4	1*	4*	1*	2*	4	1	4*	1*	0*
Floyd*	2*	1*	4	8	3	0	1*	0*	1	5	2	3
Franklin*	2*	3*	2*	1*	4	0	2*	0*	5*	6*	3	4
Fremont*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
Greene*	0*	0*	0*	0*	0*	1*	0*	0*	0*	0*	0*	0*
Grundy*	1	2	0*	0*	0	0	0	0	0*	2*	0	0
Guthrie	1	0	1	2	0	0	0	0	0	0	0	0
Hamilton	5	1	3	2	5	1	0	0	0	1	1	0
Hancock	0	1	0	1	1	2	0	0	0	0	0	0
Hardin	2	4	1	7	1	2	0	1	0	0	2	2
Harrison*	6	2	0*	0	0	0	0	3	0*	0	0	1
Henry	3	3	1	2	0	0	0	1	1	0	3	1
Howard	6	0	8	2	1	1	3	2	0	2	5	0
Humboldt*	2	3	1*	0*	1*	0*	1	1	0*	2*	0*	0*
Ida*	2	0	1	1	1	0*	0	0	0	0	2	0*
Iowa*	2*	1	4	1	1	0	0*	0	1	1	0	0
Jackson	3	3	2	2	1	0	1	2	2	0	5	4
Jasper*	2*	5	10	2	6	4	1*	5	3	4	3	4

*While underreporting could occur in any county, either reports were not received or insufficient data were provided from at least one jurisdiction in these counties in the year(s) noted.

Table 7. Juvenile Arrests for Driving Under the Influence and Drunkenness in Iowa's Counties, 1993-1998
(continued).

County	Driving Under the Influence						Drunkenness					
	1998	1997	1996	1995	1994	1993	1998	1997	1996	1995	1994	1993
Jefferson	0	0	1	0	1	2	3	4	2	1	0	1
Johnson*	23	9*	16	7*	11*	2*	23	20*	16	18*	10*	0*
Jones*	0*	0*	2*	2	2	2	1*	1*	0*	2	1	2
Keokuk	0	1	1	0	0	0	0	0	0	0	1	0
Kossuth	1	2	1	0	0	1	2	4	0	0	4	2
Lee*	8	7	5	2*	6	2*	9	4	4	10*	14	0*
Linn*	15*	5*	0*	6*	5*	8*	5*	3*	1*	1*	0*	0*
Louisa	0	1	0	0	1	0	2	3	5	3	0	2
Lucas	1	0	1	0	2	0	0	0	1	0	2	0
Lyon	1	1	0	4	0	1	0	1	0	0	0	0
Madison*	0	0*	2*	0	1	2	0	0*	0*	1	0	0
Mahaska	6	3	0	3	2	0	0	0	0	2	3	1
Marion*	1	7	4*	4*	1*	2*	1	2	2*	1*	3*	5*
Marshall*	6*	3	9	2	5	5	4*	1	2	6	5	6
Mills*	0*	0*	0*	2*	1*	0*	0*	0*	0*	0*	0*	0*
Mitchell	7	3	0	3	0	2	2	3	2	0	2	0
Monona	3	7	2	3	0	0	1	7	0	0	0	0
Monroe*	1	0*	0*	0*	1*	2*	0	0*	0*	0*	1*	2*
Montgomery*	0*	0*	1*	1*	1*	1*	0*	1*	0*	0*	1*	0*
Muscatine	5	7	5	2	2	4	2	1	4	3	2	1
O'Brien	5	3	1	0	5	2	4	2	1	1	1	2
Osceola	4	1	1	3	2	3	1	3	2	3	0	1
Page*	3	2	2*	2	5*	1	2	1	5*	0	5*	15
Palo Alto*	1	0*	0*	1	1	3	1	0*	0*	2	0	0
Plymouth	0	1	3	7	2	3	6	4	2	3	2	4
Pocahontas	0	1	0	1	0	1	0	0	0	0	0	0
Polk*	21	29*	31*	14	10	7*	21	20*	26*	17	28	5*
Pottawattamie*	3*	0*	0*	0*	1*	0*	23*	0*	0*	0*	0*	0*
Poweshiek*	2*	1*	0*	1*	2*	1	0*	2*	0*	0*	0*	0
Ringgold*	0	0	0	0	0*	0	0	0	0	0	0*	0
Sac*	0	0	0	2	3*	1	0	0	0	0	0*	1
Scott	10	8	12	8	5	11	9	10	15	17	8	15
Shelby*	1*	1*	2*	1*	2*	0*	0*	0*	0*	0*	0*	0*
Sioux*	2*	1*	1*	3*	2*	2*	0*	0*	1*	0*	0*	1*
Story	4	6	14	2	4	1	15	15	28	9	6	6
Tama*	2*	4*	1*	2*	2	2	0*	0*	0*	0*	1	4
Taylor	0	0	0	0	0	0	0	0	0	0	0	0
Union*	1*	0*	2*	0*	1*	0	0*	0*	0*	0*	0*	2
Van Buren*	0	0	0*	0	0*	0	0	0	0*	0	0*	0
Wapello*	7	2	1	1	1*	1*	16	3	4	1	1*	0*
Warren*	2	2*	4	0*	1	1	6	8*	8	6*	3	8
Washington*	0	0*	0*	0*	0*	0*	0	0*	0*	0*	0*	0*
Wayne	3	2	0	0	0	0	0	0	0	0	0	0
Webster*	1	5	7	2	3*	0*	4	3	8	3	0*	3*
Winnebago*	0*	0*	1	1	1	1	0*	3*	0	0	3	2
Winneshiek	4	8	1	3	0	3	2	1	1	0	3	3
Woodbury*	9	14*	23*	16*	8*	16	44	34*	19*	17*	15*	14
Worth*	0	1	0*	0	0	0	0	0	0*	0	0	0
Wright	3	3	4	2	3	1	1	1	4	1	0	1
State of Iowa*	305*	316*	303*	291*	181*	174*	325*	249*	266*	310*	217*	193*

Table 8. Juvenile Arrests for Liquor Law Violation and Runaway in Iowa's Counties, 1993-1998.

County	Liquor Law Violation						Runaway					
	1998	1997	1996	1995	1994	1993	1998	1997	1996	1995	1994	1993
Adair	1	5	28	4	12	8	1	0	0	0	1	0
Adams	1	7	14	14	5	2	0	0	0	0	0	0
Allamakee*	6*	3*	1*	1*	2*	3*	0*	0*	0*	0*	0*	0*
Appanoose	24	17	24	12	26	26	21	15	22	18	27	15
Audubon*	2*	4*	4*	5*	1*	2*	1*	0*	0*	0*	0*	0*
Benton*	15*	5*	25*	17*	6*	21*	0*	0*	0*	0*	0*	0*
Black Hawk*	104	71*	97*	25	30	55	0	0*	0*	0	0	1
Boone	43	50	25	38	40	22	6	13	7	13	11	12
Bremer	45	25	28	46	33	10	0	0	0	0	0	2
Buchanan	6	3	7	6	10	17	0	0	0	0	0	0
Buena Vista	87	56	35	74	43	44	0	0	0	0	0	0
Butler	2	3	6	8	8	51	0	0	0	0	0	0
Calhoun	4	5	3	13	4	2	0	0	0	0	0	0
Carroll	45	37	60	50	77	80	0	0	0	0	0	1
Cass	23	7	3	19	16	1	2	3	2	3	2	0
Cedar*	24	22	21*	13	19*	12	0	0	0*	0	0*	0
Cerro Gordo*	83*	79	82	43	60	80	8*	27	43	36	162	50
Cherokee	33	8	9	27	13	13	0	0	0	0	0	0
Chickasaw*	3*	2*	4*	3	20	10	0*	0*	0*	0	0	0
Clarke*	3	3	3	4	3*	3	0	1	1	2	0*	0
Clay	40	37	54	44	47	83	0	1	3	7	2	7
Clayton*	1*	1*	4	10	16	7	0*	4*	0	0	0	0
Clinton*	5*	14*	9*	8*	12*	18*	7*	4*	1*	22*	12*	8*
Crawford*	36*	19	40	46	35	14	0*	0	0	0	0	0
Dallas*	40	22	16	14	14*	11*	17	22	15	7	22*	12*
Davis	3	0	13	4	0	2	0	0	0	0	0	0
Decatur*	1*	0*	2*	0*	3*	4	0*	0*	7*	3*	6*	1
Delaware*	43*	26*	15	49	40	28	6*	0*	20	7	5	0
Des Moines*	30	17	21	29	12*	22	0	0	0	6	0*	31
Dickinson*	8*	8*	12*	9*	44	25	0*	0*	0*	0*	0	0
Dubuque*	238	98	229	165	30*	42*	398	199	481	0	2*	4*
Emmet*	0	1*	0	0	0	0	0	0*	0	0	0	0
Fayette*	55*	44	63	48*	20*	33*	0*	0	0	0*	0*	0*
Floyd*	8*	11*	7	14	29	40	0*	0*	0	0	0	0
Franklin*	9*	6*	30*	26*	29	50	0*	0*	0*	0*	0	0
Fremont*	0*	1*	0*	0*	1*	0*	0*	0*	0*	0*	0*	0*
Greene*	0*	0*	7*	1*	0*	4*	0*	0*	0*	0*	0*	0*
Grundy*	17	21	4*	0*	3	6	0	0	0*	0*	0	0
Guthrie	3	0	0	3	3	1	0	0	0	0	0	0
Hamilton	36	33	51	55	31	36	0	0	0	0	0	0
Hancock	9	8	2	13	7	18	4	1	5	6	0	0
Hardin	32	18	23	16	20	12	8	7	11	10	11	11
Harrison*	12	2	3*	7	9	2	0	0	0*	0	0	0
Henry	14	37	21	7	11	8	0	0	0	0	0	0
Howard	33	26	34	27	11	8	0	0	0	0	0	1
Humboldt*	11	5	12*	3*	1*	2*	0	1	3*	0*	1*	0*
Ida*	1	4	2	3	19	4*	0	0	0	0	0	0*
Iowa*	8*	9	12	11	12	9	0*	0	0	0	0	0
Jackson	61	45	29	37	34	99	0	0	0	0	0	0
Jasper*	17*	41	29	39	24	29	0*	0	0	0	0	0

*While underreporting could occur in any county, either reports were not received or insufficient data were provided from at least one jurisdiction in these counties in the year(s) noted.

Table 8. Juvenile Arrests for Liquor Law Violation and Runaway in Iowa's Counties, 1993-1998 (continued).

County	Liquor Law Violation						Runaway					
	1998	1997	1996	1995	1994	1993	1998	1997	1996	1995	1994	1993
Jefferson	11	20	21	8	22	31	1	0	1	0	5	1
Johnson*	144	100*	131	87*	79*	26*	0	0*	0	2*	9*	0*
Jones*	0*	2*	2*	21	20	34	0*	0*	0*	0	0	0
Keokuk	0	0	0	2	2	1	0	0	0	0	9	4
Kossuth	30	94	62	27	34	9	0	1	5	3	2	1
Lee*	37	55	38	25*	60	17*	0	1	24	10*	53	0*
Linn*	93*	75*	36*	14*	15*	5*	0*	0*	1*	0*	4*	0*
Louisa	14	17	7	8	14	13	0	0	0	0	0	6
Lucas	2	5	3	4	17	0	0	0	0	0	0	0
Lyon	24	27	50	87	27	39	0	0	0	0	0	1
Madison*	14	0*	2*	0	2	0	0	0*	0*	0	1	0
Mahaska	48	27	44	50	24	31	4	18	7	10	7	11
Marion*	13	11	22*	10*	18*	19*	0	0	0*	0*	9*	13*
Marshall*	31*	53	111	52	47	65	1*	9	24	34	39	52
Mills*	0*	0*	6*	1*	0*	6*	0*	0*	0*	1*	2*	0*
Mitchell	16	19	25	8	20	15	0	0	0	0	0	1
Monona	42	32	21	16	21	26	0	0	0	0	0	0
Monroe*	3	2*	8*	0*	5*	1*	2	0*	0*	0*	0*	0*
Montgomery*	20*	4*	11*	13*	2*	18*	20*	24*	8*	25*	24*	27*
Muscatine	64	43	44	19	19	18	51	25	66	50	54	31
O'Brien	55	42	37	59	30	36	3	10	7	4	6	8
Osceola	37	20	23	8	15	14	0	0	0	0	0	0
Page*	27	30	38*	11	11*	6	2	11*	14*	12	3*	2
Palo Alto*	23	2*	6*	20	17	16	0	0*	0*	1	0	2
Plymouth	33	36	10	23	19	33	15	18	17	12	18	5
Pocahontas	0	2	2	0	4	1	0	0	0	0	0	0
Polk*	318	288*	190*	90	125	66*	46	55*	73*	90	50	49*
Pottawattamie*	131*	2*	7*	8*	5*	1*	118*	2*	0*	6*	1*	1*
Poweshiek*	32*	46*	0*	3*	3*	4	6*	8*	0*	7*	20*	8
Ringgold*	0	0	0	0	2*	1	0	0	0	0	0*	0
Sac*	6	8	10	21	21*	31	0	0	0	0	0*	0
Scott	273	222	187	172	111	120	72	159	162	166	137	165
Shelby*	0*	8*	19*	12*	8*	2*	0*	0*	0*	0*	0*	0*
Sioux*	15*	21*	21*	19*	28*	36*	0*	0*	0*	5*	2*	0*
Story	81	105	95	70	43	105	17	22	16	10	3	10
Tama*	48*	72*	33*	48*	16	28	0*	0*	0*	0*	0	0
Taylor	0	0	0	0	0	0	0	0	0	0	0	1
Union*	11*	19*	5*	1*	15*	15	0*	0*	0*	0*	0*	0
Van Buren*	11	0	4*	4	2*	8	0	0	0*	0	0*	0
Wapello*	43	24	39	15	6*	3*	21	5	8	2	10*	0*
Warren*	30	28*	21	10*	13	33	1	2*	3	3*	2	4
Washington*	0	3*	2*	1*	0*	1*	0	0*	0*	0*	0*	0*
Wayne	2	23	0	1	0	0	0	0	0	0	0	0
Webster*	39	8	17	6	2*	47*	0	0	0	0	1*	84*
Winnebago*	13*	18*	30	30	13	25	0*	0*	0	1	0	2
Winneshiek	70	27	12	61	57	48	6	14	5	2	2	13
Woodbury*	121	55*	107*	142*	111*	155	6	7*	21*	18*	6*	7
Worth*	0	6	0*	4	2	2	0	3	0*	2	1	0
Wright	25	14	10	45	5	8	0	0	0	0	0	0
State of Iowa*	3375*	2681*	2792*	2446*	2077*	2298*	871*	692*	1083*	616*	744*	665*

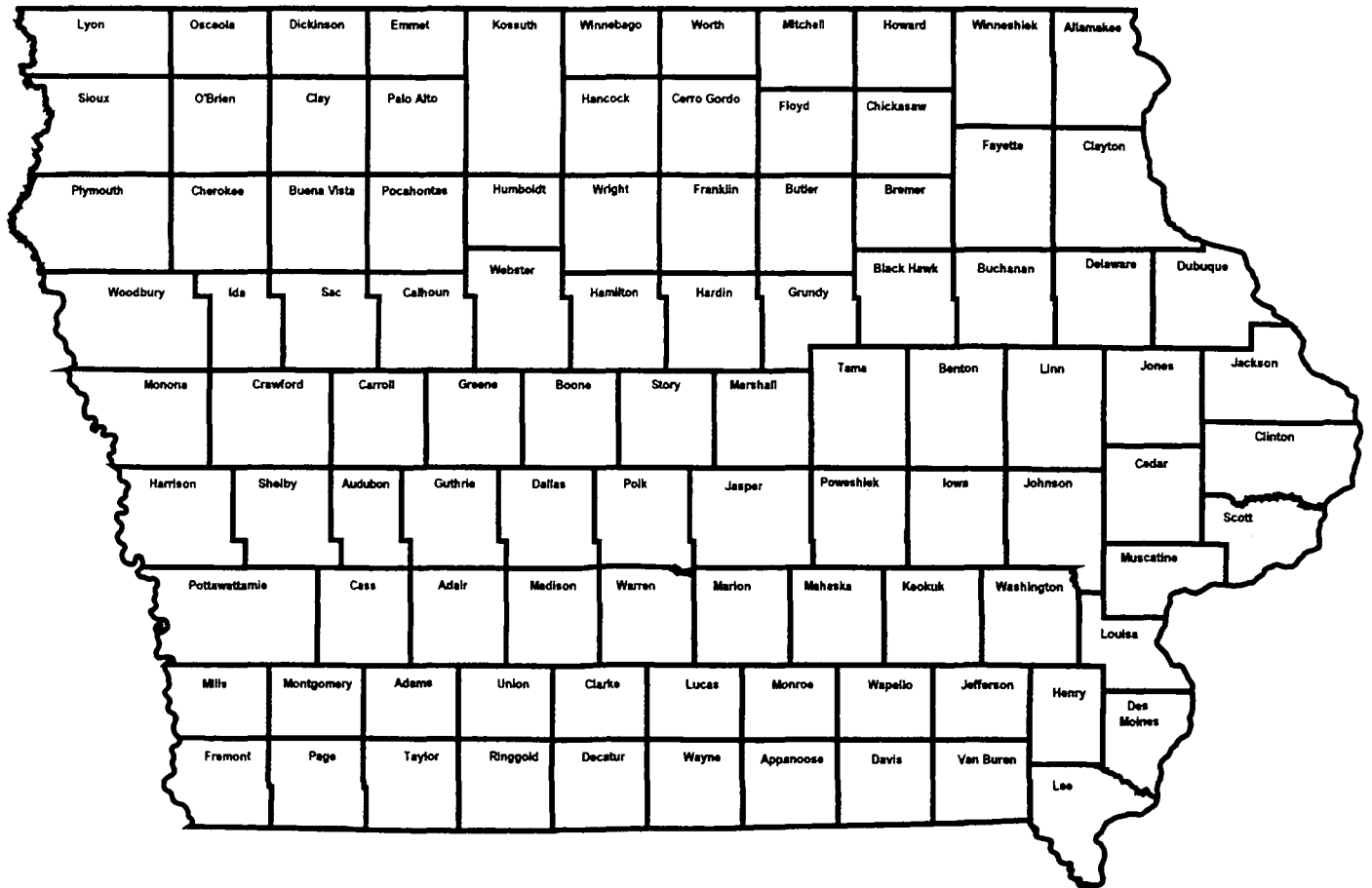
Table 9. Juvenile Arrests for Trespass and Other Group B Offenses in Iowa's Counties, 1993-1998.

County	Trespass						Other Group B Offenses					
	1998	1997	1996	1995	1994	1993	1998	1997	1996	1995	1994	1993
Adair	0	0	0	0	0	0	1	0	3	3	0	0
Adams	0	0	0	0	0	0	0	1	0	6	2	0
Allamakee*	0*	0*	0*	0*	0*	0*	2*	0*	0*	0*	0*	0*
Appanoose	0	3	5	2	4	1	33	57	57	24	13	18
Audubon*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
Benton*	0*	0*	0*	0*	4*	0*	1*	1*	0*	2*	1*	1*
Black Hawk*	15	25*	35*	20	25	55	47	99*	85*	67	28	38
Boone	2	7	2	3	5	9	11	22	26	23	13	11
Bremer	0	3	0	6	2	0	23	10	16	16	27	10
Buchanan	0	0	0	0	0	0	20	17	7	5	17	20
Buena Vista	6	2	8	5	13	10	10	7	4	5	6	8
Butler	0	0	0	0	0	0	0	0	0	0	0	1
Calhoun	3	0	1	0	1	0	2	3	1	0	0	0
Carroll	1	0	2	1	1	0	6	4	4	6	11	9
Cass	6	1	0	1	0	0	4	2	11	1	2	1
Cedar*	10	3	3*	0	4*	3	3	7	1*	4	6*	4
Cerro Gordo*	11*	13	10	10	13	17	44*	54	53	37	32	59
Cherokee	1	1	0	2	1	1	14	4	10	3	4	5
Chickasaw*	0*	0*	0*	0	1	1	2*	2*	1*	7	4	5
Clarke*	2	0	1	2	0*	2	6	8	4	6	4*	5
Clay	6	11	17	1	3	8	15	24	26	14	21	11
Clayton*	0*	0*	0	0	0	0	0*	0*	2	3	2	0
Clinton*	0*	0*	0*	1*	2*	2*	23*	15*	5*	13*	15*	3*
Crawford*	1*	3	0	1	0	0	7*	5	4	3	6	0
Dallas*	4	2	6	4	8*	1*	15	6	17	17	8*	18*
Davis	6	0	2	0	0	0	2	3	12	13	2	2
Decatur*	0*	0*	1*	1*	0*	0	0*	1*	2*	1*	0*	6
Delaware*	0*	1*	0	10	5	5	9*	14*	22	11	10	3
Des Moines*	9	6	12	9	8*	27	195	97	144	95	4*	24
Dickinson*	0*	0*	0*	1*	4	0	0*	0*	0*	9*	9	0
Dubuque*	67	2	23	0	0*	1*	42	1	96	42	2*	0*
Emmet*	0	0*	0	0	0	0	0	0*	0	0	0	0
Fayette*	2*	7	7	1*	3*	0*	7*	43	12	5*	3*	2*
Floyd*	3*	0*	0	0	1	0	13*	2*	5	9	8	7
Franklin*	1*	3*	0*	9*	3	5	3*	7*	1*	9*	2	7
Fremont*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
Greene*	2*	1*	0*	0*	0*	0*	4*	1*	5*	3*	0*	0*
Grundy*	2	0	0*	0*	0	0	0	2	0*	0*	1	0
Guthrie	0	0	0	0	0	0	0	0	0	0	0	0
Hamilton	0	4	7	2	1	0	8	6	8	5	4	6
Hancock	1	0	10	4	0	10	4	5	18	4	1	20
Hardin	8	13	3	16	11	28	48	29	20	5	19	15
Harrison*	5	6	0*	2	1	0	11	2	0*	0	0	0
Henry	2	2	5	14	10	16	4	16	11	16	50	18
Howard	2	0	0	3	0	0	7	5	0	0	1	0
Humboldt*	0	0	0*	1*	0*	0*	1	0	0*	1*	0*	0*
Ida*	0	0	0	0	0	0*	0	0	0	0	2	0*
Iowa*	0*	1	4	0	0	0	2*	0	3	2	0	0
Jackson	0	0	0	14	0	0	11	6	12	30	4	11
Jasper*	0*	0	0	0	0	0	15*	26	15	18	21	30

*While underreporting could occur in any county, either reports were not received or insufficient data were provided from at least one jurisdiction in these counties in the year(s) noted.

Table 9. Juvenile Arrests for Trespass and Other Group B Offenses in Iowa's Counties, 1993-1998 (continued).

County	Trespass						Other Group B Offenses					
	1998	1997	1996	1995	1994	1993	1998	1997	1996	1995	1994	1993
Jefferson	1	2	3	0	1	11	6	6	5	2	5	3
Johnson*	21	16*	22	8*	7*	0*	191	169*	118	61*	29*	4*
Jones*	0*	0*	0*	2	0	1	0*	3*	2*	0	4	1
Keokuk	0	0	0	0	0	0	0	0	0	0	2	3
Kossuth	8	6	1	4	4	1	4	3	13	9	20	7
Lee*	21	35	22	18*	29	18*	45	60	44	25*	26	5*
Linn*	2*	2*	5*	12*	4*	2*	21*	16*	24*	13*	14*	5*
Louisa	2	0	0	3	4	4	3	4	6	2	2	3
Lucas	0	0	6	0	2	5	0	1	2	0	1	0
Lyon	1	6	4	10	2	7	14	9	16	12	8	5
Madison*	0	0*	0*	0	0	0	0	0*	0*	0	0	0
Mahaska	5	7	2	5	0	5	7	10	7	15	8	2
Marion*	0	3	6*	1*	4*	5*	15	13	21*	13*	30*	3*
Marshall*	21*	22	19	30	18	25	133*	138	133	93	45	40
Mills*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
Mitchell	1	1	0	0	0	0	15	4	0	0	3	2
Monona	0	0	0	0	0	0	18	3	3	7	2	4
Monroe*	0	0*	0*	0*	0*	0*	1	0*	0*	1*	2*	5*
Montgomery*	0*	4*	4*	1*	3*	3*	9*	21*	5*	8*	4*	14*
Muscatine	20	20	22	19	18	1	69	38	42	48	38	28
O'Brien	2	7	4	0	0	0	14	34	13	11	11	12
Osceola	9	0	2	0	1	2	5	4	10	20	8	9
Page*	2	2*	4*	5	0*	2	6	3*	6*	4	2*	8
Palo Alto*	0	0*	1*	0	1	0	2	1*	3*	0	0	5
Plymouth	1	0	3	2	2	0	11	7	10	6	2	7
Pocahontas	0	0	0	0	0	0	0	0	0	0	1	6
Polk*	47	25*	18*	17	8	26*	170	106*	76*	66	107	51*
Pottawattamie*	114*	0*	0*	0*	2*	2*	146*	1*	0*	0*	0*	0*
Poweshiek*	1*	0*	0*	2*	0*	1	1*	1*	0*	1*	0*	0
Ringgold*	0	0	0	0	0*	0	0	0	0	0	0*	1
Sac*	1	0	0	0	2*	0	2	0	0	0	3*	6
Scott	81	54	95	73	48	96	433	434	324	334	271	192
Shelby*	0*	0*	4*	0*	0*	0*	0*	0*	1*	4*	0*	0*
Sioux*	0*	12*	4*	0*	0*	0*	7*	1*	3*	7*	17*	11*
Story	9	11	5	7	10	14	141	154	71	105	79	40
Tama*	4*	2*	7*	3*	8	0	4*	0*	3*	0*	1	3
Taylor	0	0	0	0	0	0	0	0	0	0	0	0
Union*	0*	0*	2*	0*	1*	9	4*	4*	0*	0*	0*	0
Van Buren*	8	0	0*	0	0*	0	7	0	0*	0	0*	0
Wapello*	6	9	8	11	15*	3*	31	9	15	22	8*	0*
Warren*	7	5*	10	10*	8	5	8	18*	12	6*	14	17
Washington*	0	0*	0*	0*	0*	0*	0	0*	0*	0*	0*	0*
Wayne	0	0	0	0	0	0	0	0	0	1	0	0
Webster*	3	0	0	0	0*	0*	47	27	35	24	2*	15*
Winnebago*	0*	1*	1	0	2	1	1*	12*	3	10	4	1
Winneshiek	10	1	3	0	1	2	13	16	5	7	12	13
Woodbury*	61	57*	66*	57*	33*	32	401	372*	373*	302*	218*	199
Worth*	0	0	0*	0	0	0	1	6	0*	3	0	2
Wright	1	11	0	2	2	3	8	10	6	17	1	0
State of Iowa*	648*	441*	517*	448*	374*	488*	2689*	2332*	2133*	1802*	1369*	1110*



Permits to Carry Weapons Issued in Iowa's Counties: 1994-1998

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There are two primary types of permits to carry weapons issued in Iowa: nonprofessional and professional. Nonprofessional permits authorize the permit holder to carry weapons other than in connection with their employment and to purchase hand guns. In all counties, individuals must take a written course before obtaining such a permit; some counties require a range course as well. Nonprofessional permits are granted at the county sheriff's discretion. The four subtypes of professional permit to carry weapons authorizes both the carrying and the purchasing of handguns in connection with employment [e.g., professional (private security guard, armored car personnel, and so on), certified peace officer, correctional officer, reserve peace officer]. A professional permit is only valid while going to and from work and while actually engaged in the employment for which it was issued. Professional permits are obtained either through the county sheriff or the Commissioner of the Iowa Department of Public Safety (state employees, non-residents). Both professional and nonprofessional permits are valid for one year and are issued only after the completion of a criminal check. Permits are valid statewide but are not valid outside of Iowa. Numbers in this report reflect the actual number of individuals obtaining permits and not the actual number of weapons being carried throughout the state.

In 1998, 25,436 permits were granted to carry weapons in this state (Table 1). Black Hawk, Polk, and Pottawattamie each exceeded 1,000 permits that year; Warren and Webster were the only other counties with more than 500. Delaware, Howard, Jefferson, Winneshiek, and Worth each issued fewer than 30 weapon permits in 1998. From 1994 to 1998, the number of permits issued in the state increased by 201. Fifty-six counties followed this trend with Pottawattamie and Wayne each increasing by more than 100. Permits declined by this magnitude in Benton, Dallas, Decatur, Linn, and Polk.

Of the total weapon permits issued in 1998, 23,702 (93.2%) were nonprofessional permits. Twenty-one counties granted more than 300 nonprofessional permits, with Black Hawk and Polk each allowing more than 1,000. Six counties issued fewer than 30 nonprofessional weapon permits in 1998. When the number of nonprofessional permits issued is divided by the estimated population aged 21 and older and multiplied by 1,000, a rate of permits per 1,000 adults is obtained. In 1998, this rate ranged from about 1 to nearly 50 for every 1,000 adults, indicating that issuing nonprofessional permits to carry weapons varies considerably across Iowa's 99 counties.

Although the number of nonprofessional permits declined slightly (-16) in the state from 1994 to 1998, more than half the counties (58) experienced increases in their nonprofessional permit numbers. Increases ranged from fewer than 10 in 9 counties to more than 100 in Pottawattamie, Union, and Wayne, with the gain of 200 in Wayne substantially greater than the others. Linn had the largest decline (-328); decreases from 1994 to 1998 in Benton, Dallas, Decatur, and Polk also were greater than 100.

Note: The sheriff of the county of residence is the only person authorized to issue permits unless the request comes from a nonresident or requires a permit as a result of employment by the State of Iowa. In such special cases, the Commissioner of Public Safety can issue permits to carry weapons. The sheriff may issue both a professional and a nonprofessional permit to the same individual if circumstances warrant. Permits may be requested for any device designed to inflict death or injury and includes, but is not limited to, dangerous weapons, pistols, revolvers or other firearms, daggers, razors, stiletos, switchblade knives, or any knife with a blade exceeding five inches. Additional information is available from the Iowa Department of Public Safety.

Table 1. Permits to Carry Weapons Issued in Iowa's Counties, 1994-1998.

County	Total Permits to Carry Weapons Reported*					Nonprofessional Permits Reported*				
	1998	1997	1996	1995	1994	1998	1997	1996	1995	1994
Adair	217	201	163	177	175	204	198	161	175	174
Adams	87	97	79	78	71	84	90	70	69	65
Allamakee	135	129	146	123	124	134	125	144	121	119
Appanoose	57	200	114	69	107	57	193	113	68	107
Audubon	150	160	166	137	138	148	156	166	137	138
Benton	184	300	197	164	356	180	295	195	159	344
Black Hawk	1651	1841	1706	1593	1656	1593	1639	1678	1561	1596
Boone	214	212	221	195	215	206	205	212	186	192
Bremer	457	596	397	422	412	448	586	391	420	405
Buchanan	168	155	159	149	137	157	143	142	142	131
Buena Vista	211	213	206	228	258	203	203	200	221	255
Butler	280	227	269	228	293	268	214	257	220	283
Calhoun	368	332	328	320	317	364	329	327	319	317
Carroll	109	101	99	104	109	95	99	96	101	106
Cass	421	352	255	437	426	417	343	246	435	425
Cedar	46	43	0	0	0	32	26	0	0	0
Cerro Gordo	266	241	149	266	275	236	221	129	255	261
Cherokee	269	241	139	248	220	253	227	130	236	213
Chickasaw	59	70	70	107	124	56	50	34	103	121
Clarke	263	210	182	266	302	251	204	181	262	300
Clay	259	239	219	233	217	244	231	206	225	210
Clayton	37	51	76	63	49	26	27	43	24	30
Clinton	162	175	176	171	157	149	156	164	156	135
Crawford	120	116	100	105	93	113	105	95	100	93
Dallas	429	448	413	462	584	400	425	391	433	573
Davis	224	223	204	192	210	217	216	202	187	208
Decatur	269	290	263	84	405	263	284	254	79	404
Delaware	22	58	31	13	24	18	50	27	12	21
Des Moines	69	113	67	84	73	54	48	41	31	64
Dickinson	378	405	426	409	432	371	395	411	405	425
Dubuque	104	175	90	105	113	62	137	56	60	59
Emmet	50	0	0	68	75	50	0	0	67	75
Fayette	85	91	79	59	63	82	77	58	46	41
Floyd	170	180	181	176	180	157	146	158	156	170
Franklin	208	211	224	193	223	204	208	221	193	223
Fremont	140	140	157	163	109	135	137	157	161	105
Greene	59	56	32	17	16	50	46	19	12	11
Grundy	169	150	158	153	156	161	147	154	152	151
Guthrie	329	331	328	308	300	319	319	325	303	297
Hamilton	237	250	239	219	208	234	245	236	215	207
Hancock	210	211	202	203	199	203	200	198	198	197
Hardin	239	238	243	251	223	227	233	235	247	220
Harrison	423	432	439	275	348	419	420	428	373	342
Henry	302	353	234	221	285	293	304	228	215	257
Howard	26	28	25	25	20	21	21	22	24	19
Humboldt	211	206	194	148	188	204	202	193	148	187
Ida	202	212	191	183	188	196	207	187	182	188
Iowa	454	471	417	419	441	449	457	409	410	435
Jackson	241	192	225	116	203	236	184	214	111	199
Jasper	273	276	246	308	238	255	222	234	303	228

* Numbers were not reported by some jurisdictions for each month.

Table 1. Permits to Carry Weapons Issued in Iowa's Counties, 1994-1998 (continued).

County	Total Permits to Carry Weapons Reported*					Nonprofessional Permits Reported*				
	1998	1997	1996	1995	1994	1998	1997	1996	1995	1994
Jefferson	12	12	0	28	0	0	0	0	25	0
Johnson	297	295	300	362	330	265	250	254	287	303
Jones	99	86	98	100	82	90	81	86	89	76
Keokuk	326	343	339	225	295	318	337	333	218	293
Kossuth	209	192	197	196	209	208	173	190	195	207
Lee	67	62	72	98	115	49	44	54	91	93
Linn	435	456	281	462	829	336	324	183	315	664
Louisa	77	66	59	68	58	75	63	57	65	55
Lucas	271	198	137	232	286	269	186	126	231	284
Lyon	106	114	101	109	118	102	113	101	108	118
Madison	186	171	189	167	203	181	164	182	163	198
Mahaska	156	98	165	188	194	143	85	143	172	181
Marion	403	433	421	336	413	391	396	408	328	407
Marshall	355	396	376	386	376	340	381	372	377	371
Mills	129	194	197	154	145	125	188	189	151	141
Mitchell	149	132	104	118	101	143	131	101	117	100
Monona	228	224	208	200	203	221	212	206	196	198
Monroe	162	159	154	133	142	161	151	149	130	137
Montgomery	192	197	201	174	179	185	192	194	171	179
Muscatine	452	450	453	370	376	424	416	439	362	363
O'Brien	308	299	288	288	238	306	297	287	284	236
Osceola	129	154	150	149	142	127	149	146	148	140
Page	162	125	130	118	119	154	108	126	113	117
Palo Alto	129	141	103	118	106	122	132	103	117	104
Plymouth	284	262	250	237	240	269	250	230	226	230
Pocahontas	209	230	234	220	233	207	226	233	217	233
Polk	1595	1606	1601	1695	1857	1442	1382	1457	1544	1722
Pottawattamie	1002	990	980	790	844	954	917	832	760	823
Poweshiek	362	395	393	381	363	340	387	380	373	354
Ringgold	165	133	149	151	129	164	130	146	149	126
Sac	336	320	267	308	290	328	297	266	306	289
Scott	439	402	433	513	469	314	302	295	385	368
Shelby	260	266	248	184	223	260	264	247	184	219
Sioux	284	282	280	261	233	283	280	279	261	231
Story	174	223	196	156	210	148	174	162	127	163
Tama	193	200	213	203	219	187	186	202	196	211
Taylor	135	122	74	87	92	119	112	67	82	80
Union	170	119	102	87	71	170	115	100	87	68
Van Buren	143	154	126	133	142	143	145	124	131	142
Wapello	76	65	63	87	48	56	42	34	42	32
Warren	627	522	547	524	537	612	510	529	508	522
Washington	69	65	90	56	93	62	53	82	50	74
Wayne	228	184	35	31	29	228	182	33	29	28
Webster	783	765	754	731	717	763	741	740	726	711
Winnebago	152	149	131	135	127	138	139	126	130	121
Winneshiek	28	5	34	26	60	28	5	30	25	56
Woodbury	391	414	434	446	476	259	266	278	279	345
Worth	23	26	28	24	34	20	23	25	23	27
Wright	280	273	248	247	252	274	263	240	245	249
Non county issued	276	337	121	278	253	1	2	24	20	3
State	25436	25748	23678	23507	25235	23702	23361	22028	21976	23718

Expenditures by the U.S. Department of Veterans Affairs in Iowa's Counties: 1990-1998

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A report of expenditures by the U.S. Department of Veterans Affairs is released by fiscal year. In 1997, more than \$396 million was expended by Veterans Affairs in Iowa's counties (Table 1). That was an increase of nearly \$61 million since 1990, when the total was \$335 million, but a decline of \$7 million from 1996. Expenditures varied greatly across the 99 counties in this state. Adair, Adams, Audubon, Ida, and Van Buren each had less than \$500,000 while at least \$5 million was spent in 10 counties. The \$52.2 million in Marion, \$91.4 million in Johnson, and \$90.9 million in Polk were significantly higher than figures for other counties; each of these counties has a relatively large federal facility for veterans. The next highest level of expenditure was \$10.8 million in Linn.

Total expenditures related to programs for veterans decreased in 24 counties from 1990 to 1997. Of these 24, only Delaware and O'Brien had declines greater than \$100,000. Gains, on the other hand, exceeded \$100,000 in 41 of Iowa's 99 counties. In Black Hawk, Johnson, Linn, Marion, Marshall, Polk, Pottawattamie, and Scott, increases in total expenditures exceeded \$1 million when 1990 and 1997 were compared.

Statewide, compensation and pension expenditures (\$160 million) were the second largest component of total veteran expenditures each year (Table 2). Dollars spent for compensation and pensions were less than \$500,000 in 10 counties but exceeded \$1 million in 36 others in 1997. The highest figure (\$22.4 million) occurred in Polk; no other county had more than \$10 million in compensation and pensions that year. Gains between 1990 and 1997 occurred in 65 counties, with the increase exceeding \$100,000 in 32. In contrast, only 5 of the 34 counties with declines reported drops greater than \$100,000 during the period.

Expenditures for readjustment and vocational rehabilitation, which includes education benefits, were \$13.9 million in 1997, nearly 60 percent higher than the \$8.7 million reported in 1990 (Table 2). Black Hawk, Johnson, Linn, Polk, Scott, and Story each received more than a half million for readjustment and vocational rehabilitation; together, they received 52.1 percent of these expenditures in Iowa. Statewide, this category of benefits had the largest percentage increase (+59.4%) of any of the individual expenditure components between 1990 and 1997.

Insurance and indemnity expenditures totaled \$24.6 million in 1997. Although 26 counties received less than \$100,000 in this category, Black Hawk, Linn, Polk, and Scott obtained more than \$1 million. Between 1990 and 1997, insurance and indemnity expenditures increased \$2.3 million (10.3%). All but seven counties gained, with 23 increasing by at least 20 percent.

Two other categories of expenditures are reported by the U.S. Department of Veterans Affairs. Although only four counties (Johnson, Lee, Marion, Polk) in Iowa received funds for medical services and administration in 1997, the total of \$197 million was the greatest of any category reported in 1997 or any previous year (Table 3). Sac was the only other county to obtain these funds in the 1990-1997 period. Funds for medical services and administration accounted for about half of all expenditures during each of these years.

The remaining category—construction and related costs—always was the smallest of those reported (Table 3). Again, only five counties received these funds in any year from 1990 through 1997;

Table 1. Total Veterans Affairs Expenditures (in \$1,000s) in Iowa's Counties, 1990-1998.

County	1998	1997	1996	1995	1994	1993	1992	1991	1990
Adair	527	472	483	479	473	545	576	537	528
Adams	315	300	309	283	266	271	284	312	361
Allamakee	1222	1045	959	910	806	843	790	732	745
Appanoose	1839	1633	1656	1556	1498	1575	1549	1493	1464
Audubon	690	425	430	411	437	461	399	396	394
Benton	1600	1557	1516	1467	1331	1262	1135	1210	1367
Black Hawk	8706	8398	8307	7654	7005	7311	6477	6401	6905
Boone	1807	1937	1742	1869	1865	1857	1771	1635	1821
Bremer	1116	1169	1193	1170	1133	1041	962	987	1078
Buchanan	1163	1077	1058	1052	979	983	954	934	1031
Buena Vista	1271	1333	1389	1327	1257	1398	1341	1381	1427
Butler	866	892	862	794	791	862	826	790	814
Calhoun	928	996	868	891	802	891	883	837	888
Carroll	1263	1199	1200	1187	1191	1270	1191	1165	1220
Cass	1181	1178	1188	1049	1042	1036	1046	1011	1083
Cedar	946	934	861	813	744	763	687	650	674
Cerro Gordo	3376	3309	3415	3481	3382	3535	3186	3175	3225
Cherokee	963	980	904	868	849	929	881	923	869
Chickasaw	897	759	780	755	676	789	791	771	737
Clarke	643	634	682	640	637	681	654	632	626
Clay	1393	1265	1316	1251	1193	1286	1169	1096	1117
Clayton	1336	1246	1189	1139	1213	1316	1183	1200	1315
Clinton	3196	3126	3107	3040	2978	3086	2913	2713	2965
Crawford	992	1074	978	908	933	938	978	950	1013
Dallas	2465	2309	2229	2140	2144	2085	1817	1720	1772
Davis	706	698	621	601	708	595	549	520	562
Decatur	722	690	688	651	669	712	700	725	777
Delaware	949	919	1012	897	906	979	1008	986	1027
Des Moines	2959	2882	2899	2703	2598	2703	2531	2591	2652
Dickinson	1336	1265	1194	1022	991	1087	1062	1033	1019
Dubuque	5463	5403	5328	4650	4552	4714	4358	4353	4521
Emmet	956	976	1045	1032	985	1024	912	903	923
Fayette	1554	1558	1561	1439	1379	1479	1344	1324	1391
Floyd	1656	1717	1676	1592	1371	1391	1311	1340	1228
Franklin	732	729	726	692	682	755	715	713	683
Fremont	652	706	674	653	621	643	557	577	643
Greene	790	806	852	838	726	810	668	639	739
Grundy	659	656	649	651	602	629	598	615	656
Guthrie	702	724	733	713	699	754	730	751	766
Hamilton	1106	1028	1037	1045	961	1036	1016	1042	1051
Hancock	714	622	611	610	580	647	513	553	521
Hardin	1043	1076	1108	1085	1127	1145	1086	1070	1133
Harrison	1221	1120	1134	1082	1089	1119	1087	1052	1143
Henry	888	857	864	859	897	843	873	834	807
Howard	787	725	691	588	555	544	530	536	627
Humboldt	679	669	742	668	688	670	632	615	585
Ida	413	383	409	358	352	337	363	348	393
Iowa	881	948	888	856	754	855	774	739	816
Jackson	1395	1225	1170	1182	1131	1131	1088	1071	1108
Jasper	1897	1826	1833	1802	1840	1975	1785	1691	1778

Table 1. Total Veterans Affairs Expenditures (in \$1,000s) in Iowa's Counties, 1990-1998 (continued).

County	1998	1997	1996	1995	1994	1993	1992	1991	1990
Jefferson	761	809	835	774	747	866	714	651	676
Johnson	98686	91455	96467	96742	96055	90294	84687	78047	80207
Jones	1194	1131	1157	1129	1096	1178	1102	1103	1133
Keokuk	984	917	1069	815	865	929	874	854	906
Kossuth	1308	1278	1254	1143	1186	1203	1121	1118	1107
Lee	2955	2862	3079	3088	2886	3028	2868	2948	2857
Linn	11246	10769	10336	9849	8852	9348	8565	8362	8819
Louisa	691	750	656	699	628	698	617	657	663
Lucas	899	852	889	879	783	831	828	814	808
Lyon	746	680	801	737	692	684	679	762	726
Madison	983	946	873	863	798	805	774	773	819
Mahaska	1921	1768	1821	1597	1590	1630	1618	1546	1743
Marion	42200	52196	55629	57635	53024	52314	46144	42690	40103
Marshall	8390	7966	7924	7342	6683	6710	6674	6749	6549
Mills	1478	1388	1276	1276	1148	1209	1134	1052	935
Mitchell	631	528	543	497	484	479	475	469	528
Monona	997	948	938	952	894	1012	1119	1008	994
Monroe	1246	1217	1209	1124	1000	975	909	853	888
Montgomery	869	953	816	789	746	816	771	798	874
Muscatine	2081	2011	1900	1804	1757	1779	1628	1699	1965
O'Brien	978	905	961	973	922	1024	936	995	1064
Osceola	461	574	477	493	410	398	383	355	390
Page	1223	1414	1210	1194	1054	1087	1058	1088	1155
Palo Alto	726	754	739	726	660	700	687	670	679
Plymouth	1228	1253	1283	1174	1124	1151	1202	1280	1296
Pocahontas	766	714	770	673	618	681	696	651	645
Polk	100059	90930	91223	93651	89573	87638	81803	74958	70232
Pottawattamie	7716	6916	6794	6421	5716	5946	5513	5536	5699
Poweshiek	1206	1184	1271	1277	1140	1051	913	905	905
Ringgold	508	500	567	465	460	485	509	437	477
Sac	803	780	818	1386	1688	821	797	766	784
Scott	9619	9005	8803	8540	7558	7885	7169	7010	7134
Shelby	951	830	792	744	741	781	703	656	742
Sioux	1281	1286	1260	1189	1181	1227	1144	1135	1156
Story	3891	3726	3824	3681	2969	3013	2861	2946	3147
Tama	1003	996	908	854	851	1005	898	894	901
Taylor	599	608	660	644	591	652	621	632	670
Union	836	878	906	790	790	894	874	871	935
Van Buren	501	478	554	506	463	436	399	402	443
Wapello	4220	3878	3965	3838	3532	3688	3341	3302	3534
Warren	2739	2757	2731	2602	2417	2429	2327	2050	2196
Washington	955	964	929	928	950	1103	1048	990	1034
Wayne	732	710	711	712	671	733	716	679	747
Webster	2891	2890	2956	2751	2689	2702	2509	2594	2732
Winnebago	661	576	553	619	498	535	528	529	526
Winneshiek	1148	1079	1106	1091	979	956	938	972	1055
Woodbury	7621	7520	7158	6735	6827	7106	6698	6527	6674
Worth	500	546	524	489	470	489	453	441	486
Wright	854	837	899	865	837	901	849	814	877
State of Iowa	408508	396374	403587	401150	383384	379894	353107	334308	334608

Table 2. Veterans Affairs Expenditures (in \$1,000s) in Selected Categories in Iowa's Counties, 1990-1998.

County	Compensation and Pension									Readjustment and Vocational Rehabilitation									Insurance and Indemnities								
	1998	1997	1996	1995	1994	1993	1992	1991	1990	1998	1997	1996	1995	1994	1993	1992	1991	1990	1998	1997	1996	1995	1994	1993	1992	1991	1990
Adair	450	397	408	405	402	460	511	488	459	6	5	5	6	5	10	12	10	8	70	70	70	67	67	75	53	40	61
Adams	248	241	252	239	222	221	249	281	312	21	13	11	1	0	1	2	2	9	46	46	46	44	44	49	33	29	40
Allamakee	1078	900	805	756	679	687	688	658	646	32	33	42	47	20	36	20	14	17	112	112	112	108	107	120	82	60	83
Appanoose	1661	1430	1467	1386	1350	1413	1435	1409	1346	49	74	60	46	25	24	19	11	15	129	129	130	124	123	138	94	74	103
Audubon	617	350	355	336	366	387	344	348	320	5	6	7	9	6	1	5	7	14	68	69	69	66	65	73	50	40	59
Benton	1289	1226	1185	1166	1102	1022	955	1046	1137	117	135	134	114	43	31	36	37	59	195	196	196	188	187	209	144	126	171
Black Hawk	6611	6282	6208	5629	5535	5709	5275	5259	5246	994	1010	992	964	417	421	401	400	550	1102	1105	1107	1060	1053	1181	800	743	1110
Boone	1489	1613	1412	1539	1587	1559	1527	1425	1501	90	96	102	111	60	55	76	64	120	227	228	229	219	217	244	169	146	200
Bremer	830	871	887	864	915	811	770	829	808	112	123	131	138	51	42	62	41	104	175	175	176	168	167	187	130	117	166
Buchanan	947	845	852	847	798	789	800	801	832	46	62	34	42	18	12	25	29	47	170	171	171	164	163	182	129	104	152
Buena Vista	959	987	1084	1072	1048	1157	1162	1181	1123	151	185	144	100	55	69	57	89	147	161	161	161	155	154	172	121	111	158
Butler	730	742	706	641	665	720	718	709	686	17	31	36	38	13	15	18	10	23	119	119	119	114	114	127	90	71	104
Calhoun	807	871	743	727	686	764	787	757	766	19	22	22	65	18	17	18	21	36	102	103	103	98	98	110	78	58	85
Carroll	1051	987	996	990	995	1054	1032	1029	1042	48	48	39	40	40	41	35	29	30	164	165	165	158	157	176	124	107	148
Cass	1027	1009	1032	906	918	896	945	925	940	26	41	28	20	1	3	8	6	24	128	128	129	123	122	137	93	79	119
Cedar	726	653	654	608	571	586	553	535	512	64	125	50	55	24	11	21	20	28	155	156	156	150	149	166	113	95	134
Cerro Gordo	2820	2707	2784	2855	2862	2967	2776	2787	2710	129	174	202	215	112	110	97	76	90	427	428	429	411	408	457	313	312	425
Cherokee	800	826	730	703	702	765	755	800	739	20	10	31	28	11	11	22	45	17	143	143	143	137	137	153	103	78	113
Chickasaw	737	604	637	620	561	654	680	692	623	54	48	36	32	13	21	33	12	21	106	107	107	102	102	114	78	67	94
Clarke	528	541	592	557	560	600	594	580	540	41	18	16	12	7	2	5	5	20	74	74	74	71	71	79	54	48	65
Clay	1151	1029	1115	1040	1018	1077	1029	961	950	91	85	49	65	30	47	31	40	25	151	152	152	145	145	162	108	94	142
Clayton	1148	1034	988	948	1045	1131	1051	1083	1148	31	55	44	40	18	16	15	16	25	157	158	158	151	150	168	117	101	142
Clinton	2550	2468	2438	2370	2395	2473	2477	2319	2434	155	165	176	197	114	87	77	87	93	491	492	493	473	469	526	359	307	437
Crawford	818	884	790	742	780	771	854	845	868	30	46	43	28	16	12	17	16	18	144	144	144	138	137	154	107	88	128
Dallas	2110	1957	1890	1803	1826	1726	1554	1515	1471	85	81	68	77	60	69	65	40	80	270	271	271	260	258	289	198	165	221
Davis	608	616	534	513	633	516	485	467	488	34	19	23	28	15	11	16	12	15	63	64	64	61	61	68	48	41	59
Decatur	610	561	574	551	583	611	631	658	695	51	67	52	41	27	34	24	22	16	62	62	62	59	59	66	45	45	66
Delaware	790	749	847	743	760	829	888	893	897	34	45	39	33	25	15	25	17	23	125	126	126	121	120	134	95	76	107
Des Moines	2371	2292	2307	2075	2118	2162	2160	2238	2149	162	162	164	219	73	85	59	67	111	426	427	428	410	407	456	313	285	392
Dickinson	1125	1054	993	841	819	893	929	922	866	46	45	35	22	13	16	17	20	23	166	167	167	160	159	178	116	91	130
Dubuque	4320	4240	4093	3584	3626	3678	3580	3671	3604	402	421	491	354	218	243	238	196	269	740	742	744	712	708	793	539	486	647
Emmet	802	819	831	860	844	888	799	812	785	50	53	109	72	41	24	36	30	45	104	105	105	100	100	112	77	61	93
Fayette	1223	1258	1269	1161	1148	1234	1146	1148	1150	147	116	107	101	55	48	56	62	72	184	185	185	177	176	197	142	114	169

Table 2. Veterans Affairs Expenditures (in \$1,000s) in Selected Categories in Iowa's Counties, 1990-1998 (continued).

County	Compensation and Pension									Readjustment and Vocational Rehabilitation									Insurance and Indemnities								
	1998	1997	1996	1995	1994	1993	1992	1991	1990	1998	1997	1996	1995	1994	1993	1992	1991	1990	1998	1997	1996	1995	1994	1993	1992	1991	1990
Floyd	1453	1506	1449	1367	1191	1197	1150	1165	1064	51	59	75	80	36	32	48	77	28	151	152	152	145	144	162	114	98	136
Franklin	633	623	620	588	584	647	625	632	580	14	20	19	22	16	16	26	15	12	86	86	86	82	82	92	65	65	92
Fremont	556	607	578	561	508	553	486	515	550	21	23	20	19	40	8	15	12	22	76	76	76	73	73	81	56	51	71
Greene	681	695	731	722	636	709	589	565	639	20	22	31	30	4	6	12	19	18	89	89	89	86	85	95	67	55	81
Grundy	513	524	515	514	454	506	506	524	538	49	35	36	43	55	19	21	27	26	97	97	97	93	93	104	71	64	92
Guthrie	561	574	585	575	582	619	637	685	674	24	33	31	26	6	11	10	4	9	116	117	117	112	111	125	84	62	83
Hamilton	941	860	862	871	816	882	891	914	892	25	28	35	39	11	4	22	27	20	140	141	141	135	134	150	103	100	138
Hancock	607	514	486	488	469	524	430	477	405	11	10	28	29	19	19	9	11	26	97	97	97	93	92	103	74	65	90
Hardin	841	860	861	865	915	950	950	944	930	30	43	74	54	48	10	8	15	42	172	173	173	166	165	184	128	110	161
Harrison	1055	956	952	906	967	979	981	953	998	47	45	62	62	7	13	16	15	33	119	119	120	115	114	128	90	84	112
Henry	628	617	647	629	663	619	722	713	651	89	68	45	65	71	41	26	22	26	171	172	172	165	164	183	124	99	130
Howard	686	626	595	502	438	447	469	483	554	27	25	21	15	47	18	6	4	4	74	74	74	71	71	79	55	49	69
Humboldt	542	545	598	544	575	553	537	539	479	36	22	41	25	15	8	18	19	22	102	103	103	98	98	110	78	57	85
Ida	329	306	335	286	275	259	306	296	321	17	10	6	7	13	6	6	3	4	67	67	68	65	64	72	51	49	68
Iowa	723	764	745	702	606	694	655	637	694	36	62	20	37	32	31	28	27	20	122	122	122	117	116	130	91	75	103
Jackson	1183	1032	966	973	947	943	953	953	942	48	29	39	52	27	13	15	18	26	163	164	164	157	156	175	120	100	140
Jasper	1490	1449	1457	1436	1489	1591	1508	1472	1492	89	57	56	58	45	43	40	24	21	319	320	321	307	305	342	237	195	266
Jefferson	587	646	660	604	588	684	572	533	537	42	30	43	44	32	40	49	43	37	132	133	133	127	126	142	93	76	102
Johnson	3846	3322	3147	2919	2865	2846	2757	2665	2608	1141	1031	1202	1402	596	599	561	592	814	635	636	638	611	607	680	444	461	603
Jones	981	924	940	896	903	960	941	978	952	36	29	39	63	23	28	31	19	35	177	178	178	171	170	190	130	106	147
Keokuk	855	798	945	694	753	795	776	767	792	29	19	24	25	17	27	22	21	20	100	100	100	96	96	107	76	67	94
Kossuth	1109	1037	1053	957	1018	1022	987	994	934	45	87	46	38	21	16	16	27	30	154	154	155	148	147	165	117	97	143
Lee	2470	2339	2370	2305	2264	2480	2291	2286	2230	104	102	115	161	84	53	57	29	95	377	378	379	363	360	404	277	244	351
Linn	8638	8143	7818	7277	6875	7193	6969	6812	6712	969	982	871	994	409	399	410	413	601	1640	1644	1647	1578	1567	1757	1185	1137	1506
Louisa	549	546	534	566	511	568	526	579	548	31	93	11	26	11	12	12	13	26	111	111	111	107	106	119	79	64	89
Lucas	807	754	781	780	696	735	755	747	715	11	16	26	20	9	8	13	11	12	82	82	82	79	78	88	61	57	81
Lyon	640	573	696	632	607	594	609	695	627	27	29	26	29	10	6	10	12	20	78	79	79	75	75	84	59	55	79
Madison	851	817	743	735	684	684	688	707	722	26	24	24	27	13	8	6	6	18	106	106	106	102	101	113	80	61	79
Mahaska	1638	1455	1528	1330	1368	1403	1438	1382	1531	110	140	119	100	57	41	51	46	45	173	173	174	166	165	185	128	118	167
Marion	4004	3465	3431	3214	2915	2954	2699	2536	2108	91	76	92	106	63	39	57	51	44	272	273	274	262	260	292	193	181	243
Marshall	7828	7377	7349	6777	6208	6143	6289	6418	6113	107	134	118	127	41	79	65	65	65	454	456	457	437	435	487	320	266	372
Mills	1111	1077	995	948	902	987	927	907	788	254	197	167	218	137	100	122	79	55	114	114	114	110	109	122	86	65	92
Mitchell	523	411	436	388	382	369	389	396	432	14	23	13	19	12	10	16	15	16	94	94	94	90	90	101	70	58	80

Table 2. Veterans Affairs Expenditures (in \$1,000s) in Selected Categories in Iowa's Counties, 1990-1998 (continued).

County	Compensation and Pension									Readjustment and Vocational Rehabilitation									Insurance and Indemnities								
	1998	1997	1996	1995	1994	1993	1992	1991	1990	1998	1997	1996	1995	1994	1993	1992	1991	1990	1998	1997	1996	1995	1994	1993	1992	1991	1990
Monona	872	823	803	823	786	892	1038	950	900	22	22	31	30	9	9	7	4	14	104	104	104	100	99	111	75	54	80
Monroe	1119	1105	1082	1023	916	885	847	806	814	55	39	54	30	14	11	8	3	13	73	73	73	70	70	78	54	44	61
Montgomery	737	822	673	632	624	698	688	719	757	28	27	39	57	23	7	5	11	15	104	104	104	100	99	111	78	68	102
Muscatine	1631	1565	1420	1383	1405	1388	1356	1431	1587	128	123	156	110	43	45	36	33	54	323	324	324	311	308	346	236	235	325
O'Brien	812	742	808	808	774	857	805	874	885	38	35	25	43	26	31	33	40	61	127	128	128	122	122	136	98	82	119
Osceola	379	494	390	414	348	330	331	312	319	20	18	25	20	3	2	5	2	11	62	62	62	59	59	66	48	40	59
Page	1033	1210	1004	996	892	912	927	990	983	35	48	50	48	13	8	17	11	40	156	156	157	150	149	167	115	87	131
Palo Alto	565	572	557	551	542	575	585	590	578	64	85	85	82	25	21	29	25	21	97	97	97	93	93	104	73	54	80
Plymouth	964	969	994	910	905	915	1008	1113	1058	84	104	109	91	47	44	63	55	83	179	180	180	173	171	192	131	112	154
Pocahontas	658	614	653	561	536	590	626	589	553	27	18	36	35	5	4	9	3	12	81	81	82	78	78	87	61	59	81
Polk	23983	22394	22658	21988	20897	21780	20690	20142	19612	1708	2108	2199	2402	1309	1464	1272	1073	1216	3005	3014	3019	2893	2873	3220	2130	2184	2840
Pottawattamie	6523	5696	5550	5298	4796	4901	4709	4808	4606	380	403	427	340	142	172	196	178	353	814	816	818	783	778	872	608	550	740
Poweshiek	1023	988	1060	1049	939	865	768	773	749	32	45	60	84	57	24	34	32	23	150	151	151	145	144	161	111	100	133
Ringgold	457	451	517	415	413	435	472	408	440	6	5	4	7	4	2	3	6	3	45	45	45	43	43	48	34	23	34
Sac	667	643	683	672	683	695	703	692	674	29	30	28	31	10	11	13	11	18	107	107	108	103	102	115	81	63	92
Scott	6896	6445	6044	5783	5633	5764	5604	5495	5172	1312	1145	1341	1398	577	609	542	534	584	1411	1415	1418	1358	1349	1512	1024	981	1378
Shelby	766	677	639	597	610	639	603	568	620	71	39	38	36	21	19	15	17	25	115	115	115	110	110	123	85	71	98
Sioux	989	989	1000	938	962	977	943	948	915	95	99	62	61	31	39	54	70	72	197	197	198	189	188	211	146	117	168
Story	2524	2280	2310	2143	2038	2041	2017	2043	1903	874	951	1018	1063	459	443	502	572	796	494	495	496	475	472	529	342	330	447
Tama	795	791	720	664	673	813	756	793	751	42	38	20	30	19	13	19	6	18	167	167	167	160	159	179	122	94	132
Taylor	512	516	574	564	522	578	569	591	603	19	23	17	14	3	0	1	2	8	69	69	69	66	66	74	51	39	59
Union	711	734	763	658	679	766	763	783	819	17	35	34	28	8	13	31	26	25	108	108	108	104	103	116	81	62	91
Van Buren	424	392	453	410	390	351	336	357	384	7	16	31	29	6	10	10	6	5	70	70	70	67	67	75	52	39	54
Wapello	3624	3241	3305	3232	3057	3135	2962	2979	3094	215	254	277	239	110	145	99	93	106	381	382	383	367	365	409	280	230	334
Warren	2284	2291	2299	2109	2058	2020	2010	1780	1823	136	147	112	186	55	67	84	66	99	319	320	320	307	305	341	233	204	274
Washington	777	778	741	727	772	912	910	886	878	18	25	27	46	24	19	20	9	26	161	161	162	155	154	172	118	95	130
Wayne	642	634	636	644	608	661	662	637	680	26	12	12	7	2	4	7	3	8	64	64	64	61	61	68	47	40	59
Webster	2382	2354	2445	2225	2236	2218	2137	2248	2271	119	145	118	150	80	66	78	79	93	390	391	392	376	373	418	293	267	367
Winnebago	557	459	425	491	406	442	456	460	433	22	34	45	48	13	5	8	8	7	83	83	83	80	79	89	64	61	85
Winneshiek	921	866	887	865	818	775	799	842	874	85	71	76	89	25	29	32	37	50	142	143	143	137	136	152	108	94	130
Woodbury	6271	6128	5728	5396	5636	5862	5715	5607	5546	433	473	508	457	314	262	306	339	312	917	919	921	882	876	982	677	581	817
Worth	419	455	440	404	399	406	392	393	413	13	22	15	19	6	10	10	3	11	68	68	69	66	65	73	51	45	63
Wright	703	687	747	721	703	751	736	712	725	22	22	23	20	11	12	14	23	38	129	129	130	124	123	138	98	79	115
State of Iowa	168511	157873	145429	146071	142968	13881	14750	7022	6718	24526	24642	23448	17928	22297	159591	149722	150128	145260	13206	14196	7169	7032	8709	24596	23607	26279	16131

Table 3. Other Veterans Affairs Expenditures (in \$1,000s) in Iowa's Counties, 1990-1998.

County	1998	1997	1996	1995	1994	1993	1992	1991	1990
Medical Services and Administration:									
Johnson	92999	85981	90387	89613	90807	84750	80444	73871	71628
Lee	0	15	216	242	0	0	243	222	171
Marion	34700	48336	49425	51358	48236	48607	42826	39837	34455
Polk	71215	62649	63164	65726	63720	60381	56532	51466	46524
Sac	0	0	0	575	0	0	0	0	0
State of Iowa	198914	196981	203193	207514	202763	193737	180044	165395	152778
Construction and Related Costs:									
Johnson	66	484	1093	2197	1180	1420	482	458	4554
Lee	4	28	0	17	178	92	0	168	9
Marion	3133	46	2408	2695	1549	422	370	85	3252
Polk	147	766	182	642	774	793	1179	94	41
Sac	0	0	0	6	893	0	0	0	0
State of Iowa	3351	1325	3683	5556	4574	2726	2031	804	7856

these were the same counties as those receiving funds for medical services and administration. Expenditures in this category ranged from less than \$1 million in 1991 to nearly \$8 million in 1990. The \$1.3 million reported for 1997 was the second lowest noted during these years.

Note: See "Geographic Distribution of VA Expenditures: Fiscal Year: State, County, and Congressional District" (Department of Veterans Affairs, Office of Policy and Planning, Client Support Team, National Center for Veteran Analysis and Statistics, Washington, DC) for additional information. We thank Larry Sundall for bringing these data to the attention of Census Services.

Voting for Selected Candidates for State and National Offices in Iowa's Counties: 1980-1998

Willis Goudy, Iowa State University
Yang Xiaodong, Iowa State University

After votes are cast and counted for federal and state offices, they are canvassed to assure accuracy of the totals. They are then made available by county first in an official canvass summary released by the Office of the Secretary of State of Iowa and later in the Iowa Official Register, a publication that the state releases every two years. In the tables that follow, only candidates receiving at least 5 percent of the total votes in a particular race are included. What are labeled "scattered" votes (usually write-ins) are not noted either; these are available in some editions of the register but not in others. Thus, the numbers included under-represent the total votes cast, although the unreported categories generally included relatively few voters.

Governor

Contests for governor occur in between the years when the presidential election takes place. The number voting in 1982, 1986, 1990, 1994, and 1998 varied from about 900,000 to slightly more than 1 million (Table 1). The Democratic candidate won the 1998 race, although the Republican candidate won the elections from 1982 through 1994. The closest race was in 1986, when the Republican received 52.0 percent of the vote; in 1998, the Democrat had 52.9 percent of the votes for the two candidates from the major political parties.

In the 1998 election, the Democratic Party's candidate for governor won a majority of the votes in 48 of Iowa's 99 counties. The greatest numerical margin occurred in Polk, where the Democrat received 24,000 more votes than the Republican. The margin also favored the Democrat by at least 10,000 in Johnson and Linn and by at least 1,000 in another 15 counties. The Republican candidate received at least 1,000 more votes than the Democrat in 14 counties, although the only differences that exceeded 2,000 took place in Page, Pottawattamie, and Sioux.

A total of 50 counties gave a majority of their votes to the Republican candidates in each of the five most recent elections for governor. Only Johnson, Lee, and Wapello favored the Democrats each time.

U.S. Senator

Seven races for U.S. senate seats occurred in Iowa from 1980 to 1998 (Table 2). The ability of a presidential election to draw voters to the polls is evident when the total votes for senator in 1980, 1984, 1992, and 1996 are compared with those for 1986, 1990, and 1998. The former years included presidential races, and more than 1.2 million votes for the senate candidates were counted; the 1986, 1990, and 1998 elections, which did not have candidates for President vying for office, each had less than 1 million votes for the two major senate candidates. The 1992 senate results were the most uneven, with the Republican claiming more than two-thirds (71.9%) of the votes; the Republican candidate also won in 1980 (54.1%), 1986 (66.3%), and 1998 (68.4%). The Democrat received the most votes in 1984 (56.0%), 1990 (53.9%), and 1996 (52.6%).

In the 1998 contest for the U.S. senate seat, the Republican who won carried all 99 of Iowa's counties and received at least 75 percent of the votes for the two major candidates in a third (33) of the counties. In 1996, the Democrat who won had majorities in 52 of Iowa's counties and received at least 60 percent of the votes for the two major candidates in Des Moines, Johnson, and Lee counties. In 1992, the

Table 1. Votes for Selected Candidates for Governor in Iowa's Counties, 1982-1998.

County	1998		1994		1990		1986		1982	
	Democrat	Republican	Democrat	Republican	Democrat	Republican	Democrat	Republican	Democrat	Republican
Adair	1473	1966	1339	2378	1256	2463	1476	2106	1706	2351
Adams	735	975	897	1240	632	1312	821	1417	1062	1343
Allamakee	2188	2398	1767	3205	1631	3567	2196	2945	1652	3528
Appanoose	1899	1951	1779	2793	1880	2753	2229	2402	2772	2702
Audubon	1214	1402	1087	1872	1150	2157	1348	1548	1536	2146
Benton	4959	3671	3262	5038	3053	5061	4403	2999	3757	5031
Black Hawk	22861	16164	19752	23714	17018	25640	23150	19975	25776	29915
Boone	5137	3792	4764	4801	4187	5270	4618	4395	5043	4454
Bremer	4189	3944	3112	5194	2690	5593	3756	4296	3026	6178
Buchanan	4137	3068	3151	4222	2575	3929	3671	3313	3187	4361
Buena Vista	2570	2987	2461	4149	2385	4835	3143	3968	3361	4026
Butler	2215	2721	1598	3467	1397	3712	2011	3072	1791	4182
Calhoun	1712	2145	1621	2651	1473	2775	1977	2533	2068	2740
Carroll	3596	3650	2968	4888	2651	4584	3563	3597	3524	4358
Cass	1799	3187	1876	3795	1648	4265	1747	3556	2271	3906
Cedar	3175	2870	2497	3826	2103	3917	2290	2633	2567	4083
Cerro Gordo	9151	6990	7576	9016	7224	10434	8131	9447	9090	9690
Cherokee	2216	2466	2113	2860	2076	3628	2918	3170	2727	3182
Chickasaw	2947	2479	2331	3426	1933	3227	2601	2761	2371	3556
Clarke	1687	1754	1422	1907	1465	1966	1560	1764	1754	1863
Clay	2968	3021	2575	3479	2249	3807	2978	3210	2969	3864
Clayton	3332	3129	2698	4445	2312	4815	3036	3562	2676	4832
Clinton	8185	7092	6904	10215	7100	10960	7750	9296	8503	10807
Crawford	2151	3011	2066	3591	2193	3250	2766	2892	2704	3561
Dallas	7333	6284	5517	7001	4281	5423	5151	4523	6251	4852
Davis	1590	1337	1326	1828	1509	1608	1578	1338	1736	1706
Decatur	1389	1621	1446	1562	1109	1783	1517	1692	1731	1787
Delaware	2881	3143	2177	4218	1840	4684	2194	2850	2231	4013
Des Moines	8484	4892	6313	7435	6699	8595	7082	6025	8256	6888
Dickinson	3018	2923	2337	3491	2011	3758	2942	3230	2343	3431
Dubuque	15855	11486	13431	15565	12972	18541	15280	12099	15887	16238
Emmet	1741	1681	1586	2192	1460	2446	1766	2030	1906	2517
Fayette	3908	3807	3275	5149	3762	5331	3819	4253	3653	5912
Floyd	3065	2772	2553	3230	2339	3670	2828	3268	3239	3992
Franklin	1891	1931	1575	2618	1359	2884	1759	2478	1836	2756
Fremont	794	1848	992	1782	972	2215	1066	2072	1396	1743
Greene	2081	1798	1736	2422	1615	2797	2114	2317	2283	2413
Grundy	1916	2818	1400	3321	1205	3573	1653	2812	1554	4400
Guthrie	2183	2131	1742	2699	1631	2451	1840	2044	2071	2347
Hamilton	2950	2799	2701	3511	2474	3684	2719	3030	2903	3666
Hancock	1874	2260	1670	2986	1371	3199	1814	2800	1948	2778
Hardin	3351	3421	2916	4432	2819	4809	3562	4284	3608	4498
Harrison	1634	2789	1827	3607	1424	3075	1919	3123	2373	2988
Henry	4574	2546	2367	4045	2110	4243	2608	3266	2839	3487
Howard	1953	1686	1454	2249	1302	2547	1871	2385	1596	2814
Humboldt	1781	2029	1490	2671	1472	2912	1816	2470	2045	2812
Ida	1204	1730	1084	1810	1050	2095	1438	1856	1173	2192
Iowa	2820	2855	2006	3590	1778	4078	2258	2819	2316	3755
Jackson	3602	2719	2760	3893	2576	4669	3181	3394	2928	4408
Jasper	7669	6178	6175	8021	6078	7403	6189	6111	7238	6578

Table 1. Votes for Selected Candidates for Governor in Iowa's Counties, 1982-1998 (continued).

County	1998		1994		1990		1986		1982	
	Democrat	Republican	Democrat	Republican	Democrat	Republican	Democrat	Republican	Democrat	Republican
Jefferson	3160	2633	1422	3096	1928	3728	1726	2547	2151	3109
Johnson	22546	10666	20180	13093	16196	15687	15503	10700	19304	13263
Jones	3697	3127	2652	3940	2505	4331	3150	3017	2935	4414
Keokuk	2015	1901	1585	2890	1590	2816	1964	1994	2147	2540
Kossuth	3480	3206	2383	4932	2249	5110	2807	4290	2663	5119
Lee	7536	4090	6118	5629	7011	6066	8884	5140	7002	5762
Linn	37880	27098	27976	34081	24278	35597	27869	24313	29140	31828
Louisa	1829	1552	1063	2043	1337	2367	1334	1877	1536	2062
Lucas	1474	1502	1460	2081	1453	2149	1630	1939	1824	2225
Lyon	952	2946	869	2927	891	3130	1138	2683	897	2897
Madison	2716	2695	2050	3202	2085	3101	2453	2509	2698	2691
Mahaska	2807	4120	2158	4749	2280	5404	2751	4350	3756	4593
Marion	4433	5578	3740	6395	4187	6617	4460	4901	4755	5387
Marshall	7436	6489	6968	8010	6560	8154	7866	6412	7507	8420
Mills	1223	2570	1529	2584	1153	2760	1145	2383	1501	2233
Mitchell	2097	2116	1628	2640	1478	2969	1731	2706	1782	3002
Monona	1712	1825	1436	2112	1287	2086	1713	2186	1769	2220
Monroe	1579	1245	1021	1628	1401	1861	1546	1475	1762	1669
Montgomery	1160	2879	1369	2606	1009	2970	1230	2661	1518	2727
Muscatine	5352	5223	4153	6633	3919	7323	3475	4743	4412	6131
O'Brien	1589	3245	1514	3733	1421	4090	2232	3555	1843	3732
Osceola	718	1464	596	1788	713	1835	984	1706	860	1920
Page	1353	4078	1357	3933	1115	4142	1302	3966	1787	3556
Palo Alto	2061	1635	1639	2346	1558	2560	2186	2117	2337	2556
Plymouth	2482	4369	2368	4964	2160	5087	3056	4866	2541	4780
Pocahontas	1448	1473	1258	2138	1195	2522	1881	2241	1861	2381
Polk	74475	50342	61161	67229	52004	61780	52227	46550	67310	48871
Pottawattamie	8718	12428	8513	14189	8254	14886	7687	12665	10605	12363
Poweshiek	3311	3139	2792	4071	2926	3980	3070	3530	3563	3905
Ringgold	1037	1293	1013	1351	858	1617	1042	1307	1238	1548
Sac	1947	2400	1568	2526	1356	2725	1819	2444	2003	2823
Scott	23445	23633	17728	29721	16905	29834	19333	24216	23718	26850
Shelby	1521	2925	1459	3563	1245	3543	1619	2788	1794	3354
Sioux	1651	8302	1477	9429	1381	9316	2352	7955	1962	7284
Story	14599	10108	13626	11833	10945	14167	12127	11247	14447	13639
Tama	3548	2840	2650	4100	2548	4095	3246	3290	3081	4406
Taylor	991	1486	866	1504	1027	1915	1004	1738	1310	1952
Union	2153	2471	2125	3149	1950	2891	2355	2523	2370	2868
Van Buren	1386	1449	941	1859	1264	1688	1449	1559	1428	1511
Wapello	7205	4432	5733	5560	6668	5446	7371	4229	8541	5611
Warren	7676	6421	6465	7735	6018	7581	6143	5542	7045	5807
Washington	3560	3286	2478	4093	2023	4177	2292	3092	2506	3589
Wayne	1113	1327	1091	1719	1135	1821	1400	1743	1585	1834
Webster	6779	5950	6282	7972	6011	7845	6589	6613	7806	7807
Winnebago	2017	2111	1531	3167	1549	3497	1768	3263	1908	3632
Winneshiek	3394	3261	2755	4454	2334	4965	2452	3581	2379	4779
Woodbury	12974	13279	12824	16471	11274	18104	13957	17550	15249	15959
Worth	1684	1488	1334	1871	1454	1990	1540	1932	1616	2087
Wright	2275	2374	2077	3156	1785	3134	2026	2652	2306	2986
State of Iowa	500231	444787	414453	566395	379372	591852	436987	472712	483291	548312

Table 2. Votes for Selected Candidates for U.S. Senator in Iowa's Counties, 1980-1998.

County	1998		1996		1992		1990		1986		1984		1980	
	Dem	Rep	Dem	Rep	Dem	Rep	Dem	Rep	Dem	Rep	Dem	Rep	Dem	Rep
Adair	715	2665	1749	2165	875	2741	2139	1562	1064	2484	2745	1777	1742	2786
Adams	406	1252	1028	1229	569	1798	1031	921	541	1648	1577	1283	1023	1755
Allamakee	1201	3395	2595	3082	1273	4370	2048	3207	1367	3666	2460	3611	2109	4254
Appanoose	1197	2733	2727	2535	1790	3573	2616	1943	1561	2926	3651	2884	2811	3550
Audubon	726	1788	1637	1678	824	2364	1814	1513	899	1893	2411	1660	1623	2500
Benton	2438	6200	5797	4393	2416	8073	4381	3675	2428	4944	5603	4595	4374	5977
Black Hawk	13365	25792	30770	21283	16958	38192	23205	19577	16004	27005	35210	27319	28415	34008
Boone	2915	5927	6774	4956	3338	8268	6109	3392	3261	5438	7917	4239	5832	5647
Bremer	1787	6375	5258	4775	2263	8819	4071	4051	2111	5905	4956	5603	3301	7822
Buchanan	2008	5228	5214	3583	2075	7329	3591	3694	2167	4821	4910	4187	3682	5340
Buena Vista	1286	4266	3450	4346	1628	6366	3523	3622	1958	4949	4999	3960	4031	5158
Butler	959	4007	2998	3370	1322	5486	2026	3045	1167	3900	2740	4019	1676	5422
Calhoun	845	2989	2154	2605	1175	4051	2183	2034	1241	3096	3196	2545	2359	3716
Carroll	1785	5243	3859	4824	2228	7049	3401	3831	2368	4399	6199	3533	4029	5059
Cass	998	3926	2666	4086	1471	5588	2737	3303	1302	3837	3253	3969	2312	5242
Cedar	1812	4254	4018	3442	1831	6079	2977	3100	1329	3598	3714	3817	2941	4561
Cerro Gordo	5127	11065	11715	9186	5818	15405	8841	8717	5341	11905	12330	9909	9677	12444
Cherokee	1113	3542	2850	3427	1289	5692	2958	2697	1992	3888	4137	2984	3003	4131
Chickasaw	1159	4175	3461	2778	1323	5094	2725	2464	1671	3568	3692	2993	2580	4692
Clarke	1004	2412	1972	1896	1179	2875	2262	1212	1044	2254	2669	1584	1913	2329
Clay	1490	4306	3348	3880	1772	5034	3160	2778	1943	3957	4668	3287	3697	4481
Clayton	1658	4724	4357	3441	1659	5944	3218	3914	1742	4749	3943	4294	3834	5132
Clinton	5544	9379	11381	9308	6760	14203	8586	9398	5195	11181	13352	11420	11422	12796
Crawford	1143	3723	2990	3400	1240	4800	2807	2733	1679	3652	4429	3221	2490	4901
Dallas	4057	9482	8397	7450	4006	10209	6754	3967	3953	5665	8115	4558	6522	6084
Davis	855	2014	2017	1669	1225	2586	1942	1118	1142	1711	2394	1622	1784	2035
Decatur	827	2538	1775	1813	1051	2694	1909	1024	939	2198	2697	1473	2179	2287
Delaware	1377	4537	3754	3396	1420	5888	2474	3966	1314	3609	3850	3855	2905	4613
Des Moines	6047	6642	10727	6970	7387	10261	9125	6149	5560	7161	12255	8058	10251	9286
Dickinson	1675	4220	3546	3957	1593	5477	2779	2969	1770	3939	3661	3196	2997	3864
Dubuque	9824	17166	21190	15954	12713	28334	13939	17964	10755	15457	23615	16064	20877	19172
Emmet	1118	2290	2248	2069	1399	3567	1914	1977	1241	2412	2923	2515	2431	2863
Fayette	1894	5520	4997	4373	2455	7063	4112	4861	2390	5533	5604	5326	4642	6702
Floyd	1423	4452	3708	2959	1684	5542	3108	2928	1987	4014	4422	3987	3590	5246
Franklin	722	3129	2274	2367	896	3886	2165	2094	1001	3174	2765	2569	1654	3888
Fremont	633	1957	1247	2291	954	2777	1386	1859	780	2135	1906	2090	1224	2611
Greene	1053	2771	2463	2294	1266	3830	2744	1706	1391	2939	3673	2020	2535	3070
Grundy	779	4000	2379	3167	895	4708	1916	2803	986	3482	2366	3942	1592	5309
Guthrie	1152	3113	2518	2559	1316	3656	2496	1605	1374	2486	3240	2006	2228	3070
Hamilton	1516	4165	3639	3569	1912	5805	3420	2648	1722	3887	4190	3385	2814	5218
Hancock	896	3237	2301	2921	921	4762	2706	1918	1169	3361	2736	3019	1879	4044
Hardin	1621	5151	4068	4199	2182	6856	4328	3364	2371	5270	5290	4220	3626	5822
Harrison	1161	3186	2828	3567	1703	4371	2100	2437	1448	3424	3553	3170	2255	4478
Henry	2009	4991	4111	3903	2111	6390	3360	3040	1685	4096	3924	3740	3515	4598
Howard	901	2749	2192	2142	985	3727	1850	2117	1179	3047	2479	2504	1778	3742
Humboldt	724	3057	2275	2613	986	4191	2210	2142	1056	3154	2968	2631	2198	3469
Ida	512	2346	1448	2095	593	2840	1587	1524	875	2298	2085	1942	1365	2765
Iowa	1363	4339	3601	3349	1298	5769	2918	2758	1208	3789	3317	3669	2775	4476
Jackson	1946	4330	4628	3468	2152	6041	3309	3982	1831	4404	4971	3898	3806	4515
Jasper	4625	9122	8908	7489	5345	12115	8386	5288	4532	7762	9264	7083	7902	8496

Table 2. Votes for Selected Candidates for U.S. Senator in Iowa's Counties, 1980-1998 (continued).

County	1998		1996		1992		1990		1986		1984		1980	
	Dem	Rep	Dem	Rep	Dem	Rep	Dem	Rep	Dem	Rep	Dem	Rep	Dem	Rep
Jefferson	1354	3763	2880	2841	1464	4404	2962	2682	1247	2964	3726	3515	2743	4200
Johnson	15138	17901	30208	14140	19494	29663	22027	10420	10353	15815	30549	13576	28412	13311
Jones	1739	5038	4905	3516	1855	6806	3300	3647	1790	4303	4390	4154	3899	4784
Keokuk	907	2824	2570	2321	1130	3541	2436	1942	1312	2584	3092	2334	2378	3324
Kossuth	1713	4894	4027	4307	1806	6889	3251	4067	2214	4593	5363	4025	3784	5848
Lee	5636	5836	9622	5672	7812	9204	7697	5301	6414	6938	10038	7331	8990	8297
Linn	22759	42387	48101	33806	24077	61450	33212	30193	17413	33559	43720	35447	40460	35829
Louisa	1010	2336	2102	2131	1199	3483	2027	1733	836	2345	2266	2204	1769	2697
Lucas	769	2250	1948	1919	1156	3253	2231	1336	1167	2353	2858	2039	2089	2668
Lyon	554	3313	1370	3669	710	4195	1204	2846	758	2946	1634	3784	1487	4303
Madison	1498	3794	3159	3095	1675	4450	1893	3259	1795	2909	3889	2253	2838	3140
Mahaska	1449	5443	3717	5085	2059	6946	3499	4086	1680	5255	4993	5006	4259	5696
Marion	2737	7107	5905	6943	3567	9241	6015	4773	3382	5720	7475	5755	6106	6764
Marshall	4203	9679	9163	7995	5295	13087	8628	6174	5918	8250	10568	8603	7492	11560
Mills	805	2909	2083	3544	1140	3811	1560	2282	780	2565	2066	3162	1295	3533
Mitchell	1044	3198	2505	2472	1094	4384	1945	2460	1246	3135	2640	2929	1816	3903
Monona	947	2590	1987	2183	976	3329	1832	1544	1136	2571	2709	2057	1801	3098
Monroe	820	1952	1894	1589	1075	2707	1988	1243	1168	1785	2636	1509	2013	1942
Montgomery	726	3251	1673	3382	1124	4230	1528	2424	819	2933	2316	3350	1510	4087
Muscatine	3365	7175	7920	7154	4066	10128	5646	5565	2157	5890	7302	7509	6290	8110
O'Brien	828	3998	2070	4541	1018	6177	2140	3424	1492	4120	3304	3962	2443	4794
Osceola	359	1810	958	2021	469	2596	989	1539	661	1899	1412	1837	1217	2034
Page	917	4417	1796	5167	1227	5978	1799	3409	933	4161	2831	4707	1947	5423
Palo Alto	1141	2419	2293	2156	1058	3283	2128	1982	1594	2525	3343	2155	2650	2814
Plymouth	1245	5461	3366	6099	1570	6969	3106	4100	2168	5366	4667	4905	3243	6358
Pocahontas	672	2225	1943	2188	878	3733	1866	1782	1053	2734	3022	1967	2313	3090
Polk	43498	81972	87653	68099	50318	110972	75892	43289	39305	59165	88793	55329	78300	59965
Pottawattamie	6355	14601	14551	17144	10278	21343	11486	11472	6262	13045	16161	16975	12150	18921
Poweshiek	1983	4324	4288	3727	2453	5552	4077	2707	2135	4384	4955	3654	4213	4615
Ringgold	507	1789	1320	1397	609	2180	1581	942	694	1542	1991	1093	1217	1921
Sac	859	3454	2064	2846	936	4338	1968	2088	1076	3023	3066	2480	2145	3627
Scott	15244	30855	32857	29636	20354	43640	24704	22023	13054	29125	37922	31381	31228	33653
Shelby	994	3225	2168	3509	1183	3953	1939	2877	1107	3181	3198	3240	1940	4220
Sioux	880	9017	2259	11358	1051	12253	2164	8568	1521	8546	3540	10065	2794	10691
Story	8532	16003	18216	13878	10869	22953	16068	9198	7740	15221	22615	14913	20191	15848
Tama	1689	4697	4175	3439	1841	6496	3642	2909	2273	4228	4838	3885	3182	5637
Taylor	570	1847	1199	1863	704	2526	1708	1338	675	1857	2104	1812	1283	2620
Union	1144	3204	2680	2788	1436	3882	2908	1895	1602	3145	3722	2635	2389	3237
Van Buren	762	2036	1557	1662	927	2316	1465	1440	915	2016	1882	1786	1364	2183
Wapello	4492	7046	8584	6006	6674	9679	8147	4013	5630	5593	11628	5669	9530	7242
Warren	4577	9414	9151	8043	5228	11537	8865	4822	4550	6944	10331	5871	7834	7200
Washington	1754	4946	4016	3928	1969	6368	3107	3037	1422	3780	3803	3741	3120	4192
Wayne	697	1697	1467	1613	1001	2359	1901	961	925	2164	2486	1410	1604	2216
Webster	3945	8638	8551	7674	5045	11443	8165	5731	4859	7739	11850	7100	10128	9673
Winnebago	1001	3103	2712	2675	1063	3519	2160	2809	1271	3626	2782	3285	2311	3941
Winneshiek	1730	4967	4331	4226	2187	7381	3564	3710	1514	4410	4541	4244	3420	5478
Woodbury	8079	18148	17334	19343	10575	30415	15595	14486	9947	20226	23016	17632	18484	22093
Worth	841	2341	2170	1724	890	3408	1660	1826	965	2472	2261	1881	1723	2472
Wright	1190	3316	2691	3022	1452	4773	2550	2328	1444	3160	3565	2990	2551	4426
State of Iowa	289049	648480	634166	571807	351561	899761	529571	453273	299406	588880	716883	564381	580545	683104

Table 3. Votes for Selected Candidates for U.S. Representative in Iowa's Counties, 1980-1998.

County	1998		1996		1994		1992		1990		1988		1986		1984		1982		1980	
	Dem	Rep	Dem	Rep	Dem	Rep	Dem	Rep	Dem	Rep	Dem	Rep	Dem	Rep	Dem	Rep	Dem	Rep	Dem	Rep
Adair	810	2533	1922	1995	1332	2319	2026	1366	1062	2590	1358	2548	1431	2126	1887	2591	2431	1577	2878	1695
Adams	1156	523	1450	798	683	1377	921	1511	532	1382	664	1587	803	1438	1082	1832	1415	985	1783	1163
Allamakee	1719	2890	2017	3680	1584	3375	2238	4128	1947	3095	2001	3857	1545	3500	1615	4455	1589	3576	1875	4393
Appanoose	2267	1649	2432	2533	1684	2660	2775	2774	0	2379	1953	3469	1507	2703	2000	3953	2392	2749	3064	3285
Audubon	767	1609	1694	1596	1193	1577	1868	1102	888	2130	1161	2037	1222	1587	2068	1965	2043	1470	2544	1643
Benton	3492	5137	4391	5723	3633	4616	5220	5531	4175	0	6371	3278	4321	2823	3896	6229	3574	5080	3176	6342
Black Hawk	19885	19222	26656	25176	22163	21093	33313	26690	23972	0	34851	20060	23548	19370	25291	36695	25906	30310	33043	28786
Boone	0	6151	4747	6340	4902	4546	0	7349	5529	0	8055	2793	5858	2675	7288	4305	5866	3115	7851	3611
Bremer	3184	4969	4212	5839	3535	4807	5364	5888	3879	0	5457	4265	3683	4168	3389	7171	2988	6077	4492	6396
Buchanan	3141	4112	3952	4942	2978	4363	4273	5358	3450	3719	3591	4583	2918	4127	3134	6145	3045	4617	4479	4610
Buena Vista	0	4299	2454	5255	2551	3886	0	7214	1798	5340	3125	5638	3453	3569	6278	2895	5394	1759	6386	3005
Butler	1633	3287	2197	3954	1875	3288	2910	4037	2050	0	2986	2976	1943	2953	1738	4993	1688	4260	2378	4612
Calhoun	0	2991	1532	3076	1737	2455	0	4493	1177	2653	1985	3197	1765	2406	3332	2362	2473	1836	3990	1946
Carroll	0	4959	3283	4925	3053	4492	0	7311	2007	4410	3715	4789	3304	3503	6343	3308	4773	2744	6178	2912
Cass	1100	3811	2725	4004	1787	3825	3396	3456	1339	4659	1954	4656	1633	3520	2510	4703	2867	3061	4045	3752
Cedar	2435	3577	3220	4237	2678	3570	1964	5964	3031	2918	2689	4734	1658	3303	2027	5661	2158	4232	2357	4999
Cerro Gordo	7877	8244	9439	11572	7248	9339	12070	11018	5375	12147	8690	13391	7890	9553	13839	8166	9969	7663	11973	10121
Cherokee	0	3621	2114	4032	2240	2830	0	6154	1751	3953	2644	4154	3584	2463	5076	2248	4253	1415	5076	2231
Chickasaw	2256	3063	2927	3311	3062	2660	3847	2743	3888	0	3757	2024	2720	2490	2504	3967	2449	3445	3350	3177
Clarke	2360	1033	2090	1713	1232	2059	1778	2172	1189	2236	1254	2724	1367	1950	2254	1834	2412	1189	2874	1416
Clay	0	3893	2552	4380	2411	3371	0	6194	1834	4162	3066	4708	3177	2979	5755	2350	4878	1725	5990	2502
Clayton	2554	3797	3328	4506	2394	4546	3615	5183	3204	3691	3387	4738	2198	4311	2205	6008	2613	4841	3281	5459
Clinton	6260	8436	8416	10566	5588	9867	7576	14166	9101	7634	10092	12477	5704	10838	8681	15998	7455	11356	8901	14823
Crawford	0	3059	1727	3817	2111	2844	0	4650	1591	3398	2253	4444	2384	2916	4001	3527	3356	2281	4480	2886
Dallas	4501	8965	7565	8188	5868	6625	9298	4861	7841	0	8952	3453	6538	3103	7826	4903	6767	3841	8497	4019
Davis	1670	1161	1857	1693	1270	1719	1943	1835	0	1165	1323	1956	1133	1514	1442	2181	1579	1646	1956	1778
Decatur	2239	768	2398	1174	1093	1850	1633	2026	948	1926	1149	2487	1334	1853	2204	1826	2463	1066	3151	1248
Delaware	2269	3691	3262	3864	1806	4501	2832	5488	2377	4099	2646	4656	1734	3250	2267	5551	1913	4011	2747	4705
Des Moines	8587	4119	9992	6767	6774	6971	11248	8165	0	8650	8238	10284	4696	7992	7737	12203	7076	7656	7110	12211
Dickinson	0	4618	2554	4811	2511	3280	0	6151	1697	4028	2503	4426	3159	2928	5024	2112	4047	1547	5381	1959
Dubuque	14034	13265	20591	16796	12370	16320	20993	20971	15470	15952	17632	20582	11284	16026	17555	22779	13392	19072	16790	22834
Emmet	0	2464	1736	2544	1658	2008	0	4255	1225	2560	1785	3011	2054	1705	3943	1623	2998	1207	4071	1414
Fayette	2860	4895	3798	5574	3162	5107	4515	5983	3916	4796	3712	6244	2794	5121	3384	7536	3316	6156	4262	6830

Table 3. Votes for Selected Candidates for U.S. Representative in Iowa's Counties, 1980-1998 (continued).

County	1998		1996		1994		1992		1990		1988		1986		1984		1982		1980	
	Dem	Rep	Dem	Rep	Dem	Rep	Dem	Rep	Dem	Rep	Dem	Rep	Dem	Rep	Dem	Rep	Dem	Rep	Dem	Rep
Floyd	2456	3384	3008	3577	2843	2975	4275	3303	4169	0	4709	2760	2925	2946	3347	4948	3289	3844	4622	4175
Franklin	0	3173	1142	3459	1159	2907	0	3924	948	3084	1564	3223	1761	2332	2875	2130	2041	1964	2520	2901
Fremont	666	1915	1290	2175	1102	1643	2153	1447	673	2582	819	2628	854	2285	1208	2874	1638	1431	1895	2044
Greene	0	2773	1719	2853	1877	2200	0	4117	1469	2866	1931	2927	1949	2283	3175	2442	2949	1635	3656	1938
Grundy	1342	3393	1778	3674	1475	3145	2209	3723	1778	0	2568	2946	1706	2672	1111	5282	1171	4818	1650	5161
Guthrie	1418	2813	2505	2552	1857	2534	2554	1846	1309	2443	1920	2737	1671	2075	2708	2501	2727	1496	3362	1916
Hamilton	0	4294	2403	4507	2668	3517	0	6106	3021	0	4554	2249	3323	1919	4060	3256	3455	2459	3659	4103
Hancock	0	3347	1492	3607	1370	3241	0	4985	948	3696	1753	3693	2064	2438	3082	2587	2379	2052	2498	3286
Hardin	0	5155	2745	5224	2983	4288	0	7452	2138	5488	2912	5514	3303	4110	5211	3433	3803	3214	4252	4575
Harrison	1263	3077	2552	3763	2112	3026	3339	2490	1267	3131	1610	4039	1782	3179	2932	3645	2956	2471	3779	3013
Henry	3726	3118	3010	4642	2519	3847	4002	4325	0	5235	2142	5485	1695	4091	1893	5091	1912	4352	2263	5287
Howard	1652	1994	1996	2352	1784	2006	2538	2320	2951	0	2888	1579	2085	2129	1765	3256	1705	2724	2434	2748
Humboldt	0	3049	1422	3262	1565	2536	0	4568	911	3214	1570	3600	1845	2297	3552	1905	2793	1454	3509	2079
Ida	0	2045	930	2340	1237	1568	0	3203	817	2252	1282	2453	1769	1517	2675	1409	1980	1166	2591	1651
Iowa	1997	3690	2567	4370	2169	3394	3120	4095	2723	0	3792	2572	2301	2435	2284	4532	2215	3728	2265	4655
Jackson	2794	3423	3534	3982	2589	3671	4204	4169	3968	2960	4075	3936	3021	3482	3513	5369	2604	4557	2904	5240
Jasper	7779	5863	8209	7767	6124	8006	8331	8576	10124	0	11432	4456	8374	3940	9800	6438	8693	4807	8279	8176
Jefferson	2707	2674	2006	3034	2065	3094	2616	3236	0	4618	1867	5171	1212	2955	1689	5520	1535	3662	1847	5105
Johnson	16827	16193	24042	20052	15379	17148	16479	32332	24682	0	29795	14361	17184	9024	22002	22662	19221	13380	18061	21902
Jones	2971	3776	3929	4369	2575	4069	2464	5947	3542	3166	3548	4527	2603	3576	3059	5616	2905	4471	3525	4923
Keokuk	1785	1688	1982	2418	1463	2572	2312	2540	0	2185	1757	3155	1306	2346	1609	3476	1552	2665	2952	2604
Kossuth	0	5077	2802	5395	2874	4253	0	7523	1694	5275	3188	5561	4361	2621	6535	2790	5125	2103	6832	2881
Lee	7862	3616	8840	5947	6213	5175	10201	6600	0	6430	8069	8278	6040	7257	6783	9738	6333	6287	7173	9834
Linn	30736	33969	40918	40110	24727	35635	29122	55215	31002	30620	33065	43209	20444	31174	29895	51775	28549	32589	37651	37647
Louisa	1218	2148	1573	2637	899	2198	1250	3535	0	3104	1313	2989	803	2372	1073	3345	1180	2393	1181	3201
Lucas	1732	1205	1951	1766	1351	2096	2056	2207	0	2117	1488	2151	1173	2163	1416	2831	1697	2166	2412	2353
Lyon	0	3349	841	3821	745	2779	0	4520	825	3149	1158	3961	1669	2116	2275	3182	1584	2139	2810	2889
Madison	1691	3570	3115	3137	2285	2915	3868	2247	1666	2915	2346	3241	2047	2419	3420	2658	3566	1757	4227	1980
Mahaska	3158	3643	3172	5336	2025	4683	3533	5778	0	4190	2584	5864	1669	4646	2661	6585	2939	4606	4664	5251
Marion	4981	4777	5491	6990	3375	6640	5420	7232	3582	6138	5069	7160	3910	4975	7251	5647	5795	3547	6461	6259
Marshall	6770	7009	7640	8923	6543	8354	9084	8576	10806	0	10688	6096	7550	6139	6908	11533	7091	8602	9088	9481
Mills	820	2890	1983	3560	1314	2758	2594	2096	799	2981	1129	3934	934	2573	1441	3845	1672	1956	1992	2959
Mitchell	1685	2530	1980	3019	1674	2523	2661	2827	2106	0	3028	1921	1810	2360	1646	3623	1791	2914	2354	3325

Table 3. Votes for Selected Candidates for U.S. Representative in Iowa's Counties, 1980-1998 (continued).

County	1998		1996		1994		1992		1990		1988		1986		1984		1982		1980	
	Dem	Rep	Dem	Rep	Dem	Rep	Dem	Rep	Dem	Rep	Dem	Rep	Dem	Rep	Dem	Rep	Dem	Rep	Dem	Rep
Monona	0	2678	1458	2557	1434	1804	0	3394	1177	2128	1642	2711	2045	1866	3267	1579	2728	1171	3143	1902
Monroe	1741	996	1787	1543	1002	1552	1736	1848	0	1506	1641	1536	1152	1655	1504	2095	1499	1720	2023	1934
Montgomery	747	3213	1554	3412	1306	2597	2526	2700	779	3125	1098	3853	983	2873	1457	4305	1834	2274	2457	3398
Muscatine	3794	6745	5622	9393	3402	7165	3843	11188	0	7490	4835	8549	2018	5903	3842	10669	3300	6919	4483	9713
O'Brien	0	4031	1606	4889	1381	3863	0	6362	1378	4206	2089	4870	2924	2870	4191	3135	3311	2135	4477	3032
Osceola	0	1875	604	2306	557	1632	0	2679	1300	1323	905	2296	1368	1326	1932	1449	1541	1223	2118	1271
Page	2394	2942	3027	3761	990	4338	1841	5518	897	4247	1145	5754	968	4313	1749	5925	2175	3048	3019	4505
Palo Alto	0	2073	1786	2397	1684	2056	0	3332	1360	2655	2264	3043	2515	1731	4064	1523	3684	1005	4262	1417
Plymouth	0	4834	2431	6519	2306	4574	0	7989	2016	5175	3274	6116	4645	3306	5942	3853	4611	2548	6284	3758
Pocahontas	0	2288	1271	2759	1339	2022	0	4090	945	2616	1838	2745	2031	1929	3617	1274	2823	1063	3865	1546
Polk	46305	77937	77721	77070	69243	64674	106735	53478	87242	0	102974	39339	68868	29887	88305	53651	76431	37053	76506	61662
Pottawattamie	6444	14557	13227	18489	7844	14335	15355	14736	7070	14849	11301	19535	8418	11684	14272	18623	12053	10521	15973	15909
Poweshiek	3431	2710	3073	4760	2672	3743	3846	4265	3725	0	5476	2709	3552	2691	3178	5150	3326	3956	2999	5356
Ringgold	1677	646	1809	898	762	1576	1027	1717	660	1751	705	1730	921	1376	1524	1523	1675	1022	1890	1105
Sac	0	3593	1403	3409	1610	2445	0	4706	977	2807	1577	3127	1386	2587	2576	2837	2283	2040	3864	2060
Scott	15288	31575	23875	37878	14213	30796	18902	49695	0	30556	23441	39982	11284	30903	20877	47578	18258	31558	18810	42407
Shelby	1018	3052	1937	3478	1581	3107	2898	2220	1096	3432	1745	3851	1607	2725	2731	3665	2662	2412	3473	2788
Sioux	0	8772	1734	11516	1366	9376	0	12370	1300	9311	2332	10697	3655	6674	4510	9418	4143	5043	5998	7620
Story	14053	10185	15931	14909	11722	12707	17362	15460	14055	0	21098	9766	14310	8117	19643	16164	17637	9259	23858	11603
Tama	2551	3787	3275	4230	3369	3393	4603	3887	3826	0	5254	2550	3839	2588	3127	5550	2897	4482	3860	4716
Taylor	1548	892	1749	1203	695	1695	1155	2199	741	2282	749	2495	867	1859	1291	2729	1703	1471	2175	1702
Union	2868	1512	3235	2144	1728	3348	2356	3303	1561	3010	1997	3732	2192	2569	3371	2930	3228	1887	3723	2038
Van Buren	1345	1430	1292	1753	978	1797	1537	1803	0	1914	1096	2210	1362	1629	908	2582	940	1925	1054	2437
Wapello	7243	4101	8192	5938	5309	6013	8819	7157	0	4670	7507	6695	5564	5033	8066	7822	7862	5405	9579	7033
Warren	8249	5632	8626	7881	5820	8165	8470	9045	5871	6697	7152	8165	5422	5886	9589	6557	8746	3685	4790	10074
Washington	3207	3229	3085	4140	2233	4062	3416	4322	0	3833	2026	4972	1371	3645	1793	5513	1680	3856	2180	4899
Wayne	1412	942	1588	1464	985	1763	1535	1741	907	1863	1174	1975	1285	1777	2108	1686	2178	1187	2541	1325
Webster	0	9068	6655	9087	6396	6913	0	10916	4965	7475	7639	8409	6113	6288	12951	6292	8800	5153	13726	5559
Winnebago	0	3302	1635	3713	1385	3195	0	3829	1144	3742	1828	3663	2205	2726	3193	2427	2644	2222	3059	2980
Winneshiek	2631	4047	3374	5223	2938	4267	4529	5429	3517	0	4955	3404	2652	3123	2942	5613	2612	4454	2838	5778
Woodbury	0	18930	15199	21079	12817	16788	0	32313	10148	19415	16091	22686	15314	16275	27239	13980	22250	8516	26548	15278
Worth	1393	1793	1449	2463	1436	1687	2241	1765	2700	0	2629	1181	1685	1475	1446	2533	1658	1998	2099	1971
Wright	0	2969	1808	3697	1702	3127	0	4793	1334	3414	2111	3699	2016	2530	3631	2714	2711	2153	2979	3725
State of Iowa	338431	551767	532815	649959	407311	560117	492733	729496	400852	385003	580200	606647	428022	461428	595265	673343	528266	475338	630430	620806

Republican winner carried all counties and received at least 75 percent of the votes in 57 counties. The statewide winner in 1990 also had the greatest number of votes in 62 counties; this Democratic candidate received 60 percent or more of the votes in 19 counties. In 1986, the Republican candidate carried all but one county (Wapello, 49.8%); at least 75 percent of the votes went to this candidate in 11 counties.

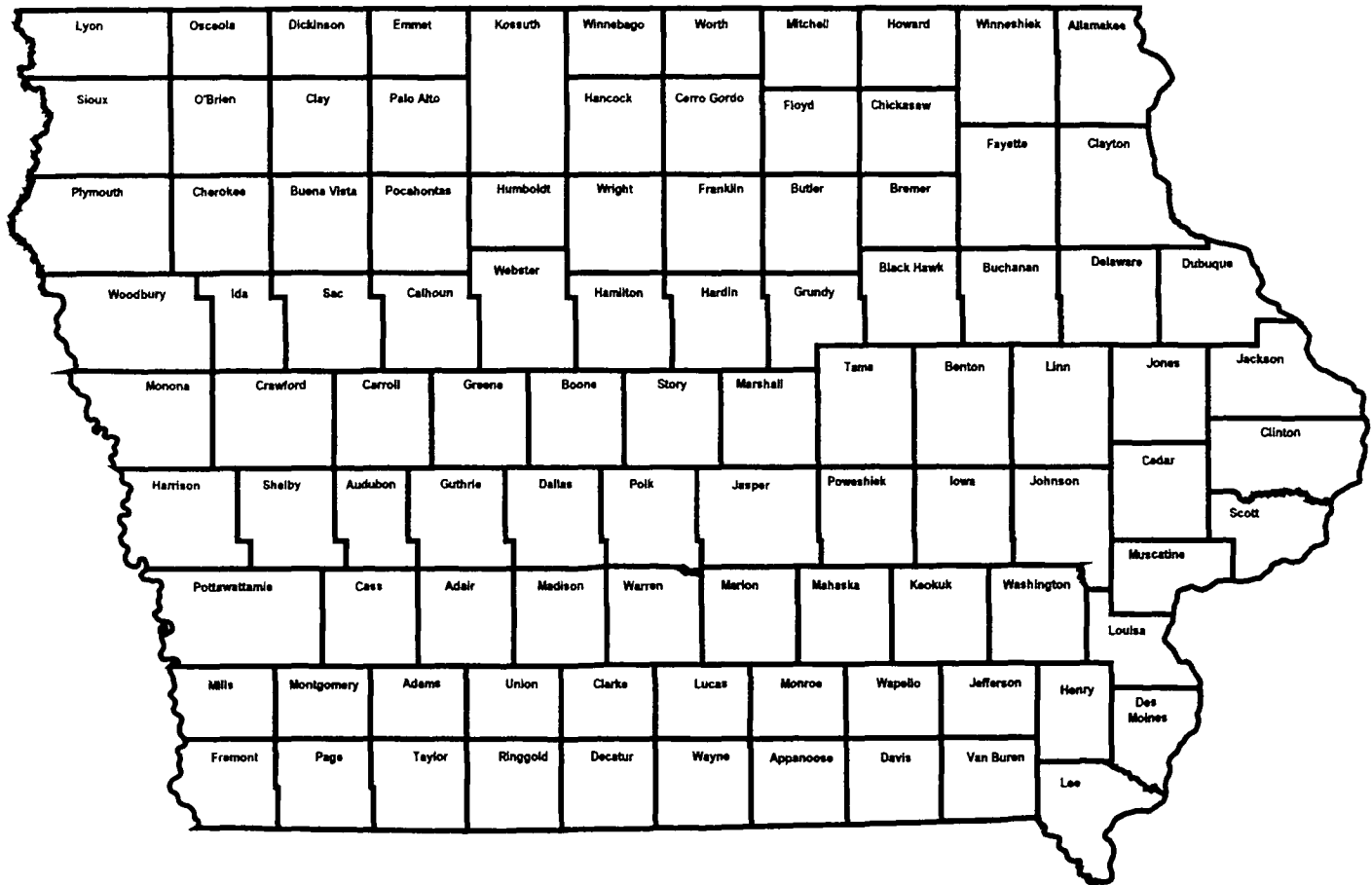
U.S. Representative

The influence of a presidential election on voting participation is confirmed when total votes for the races for seats in the U.S. House of Representatives are reviewed from 1980 through 1998 (Table 3). Voting for representatives drops by 200,000 to 400,000 in Iowa in the election two years after a presidential race is on the ballot. The decline was least from 1980 to 1982; in contrast, the drop from 1988 to 1990 was the greatest, in part because Democrats failed to field a candidate for U.S. representative in 16 counties while Republicans had no one running in 22 counties in 1990. In 1992 and 1998, the Democrats did not have a candidate on the ballot for one of the seats available; this district included 30 counties. In 1994 and 1996, however, all seats were contested by candidates from both major parties.

When the votes for representatives were totaled across the state, Republicans received more support in seven elections (1984, 1986, 1988, 1992, 1994, 1996, 1998) while Democrats had the majority of votes in the other three (1980, 1982, 1990). The differences didn't exceed 100,000 until 1992, when Republican candidates for the U.S. House of Representatives received about 237,000 more votes than did Democrats. In 1994, the Republican total was nearly 153,000 above that for Democrats; the difference continued to decline to 117,000 in 1996, although it increased again in 1998, when Republicans running for the U.S. House of Representative received 213,000 more votes than did Democrats.

Note: Readers can review the biennial Iowa Official Register for additional information on elections. Before data appear in a register, they are available as the Official Canvas Summary from the office of Iowa's Secretary of State (State Capitol Building, Des Moines, IA 50319). But caution is urged in examining figures even after they have been officially canvassed. The register containing the results for 1990 elections, for example, included a note indicating that the official canvass totals for the Democratic and Republican candidates for the U.S. Senate were in error in Sioux County and had been reversed and reported correctly in that register. Other problems, generally not of this magnitude, also may occur in the registers if errors were discovered after the official canvass results had to be reported to the state.

Here are the names of candidates for statewide or national offices with the political parties they represented. Table 1 (Governor): 1982, Democrat (Conlin), Republican (Branstad); 1986, Democrat (Junkins), Republican (Branstad); 1990, Democrat (Avenson), Republican (Branstad); 1994, Democrat (Campbell), Republican (Branstad); 1998, Democrat (Vilsack), Republican (Lightfoot). Table 2 (U.S. Senator): 1980, Democrat (Culver), Republican (Grassley); 1984, Democrat (Harkin), Republican (Jepsen); 1986, Democrat (Roehrick), Republican (Grassley); 1990, Democrat (Harkin), Republican (Tauke); 1992, Democrat (Lloyd-Jones), Republican (Grassley); 1996, Democrat (Harkin), Republican (Lightfoot); 1998, Democrat (Osterberg), Republican (Grassley). Table 3: (U.S. House of Representatives): see the Official Canvas Summary or the Iowa Official Register for candidates by county; re-districting changed the counties in the districts of U.S. representatives in 1982 and 1992.



Votes in Iowa's Counties on Adding "and Women" (1998) and Additional Language on Equal Rights (1980, 1992) to the Constitution of the State of Iowa

Willis Goudy, Iowa State University

An amendment to the constitution of the State of Iowa in the area of equal rights for men and women was brought to a vote in 1980 and in 1992. The wording was the same both years: "All men and women are, by nature, free and equal, and have certain inalienable rights--among which are those of enjoying and defending life and liberty, acquiring, possessing, and protecting property, and pursuing and obtaining safety and happiness. Neither the State nor any of its political subdivisions shall, on the basis of gender, deny or restrict the equality of rights under the law." The second sentence in the proposed amendment was an addition to the language currently in the constitution (Article 1, Section 1), as were the words "and women" in the first sentence. In 1998, only the words "and women" were part of the amendment; the second sentence added in 1980 and 1992 was not included.

An amendment needs a simple majority of affirmative votes to pass. In 1980, 55.8% voted "no," while 52.0% voted "no" in 1992 (Table 1). Thus, the proposal failed both years. About 123,000 more voted against the amendment than for it in 1980. This difference narrowed to about 47,000 out of the more than 1.1 million votes cast on this issue in 1992. In 1998, the revised amendment, which added only the words "and women" to Article 1, Section 1, of the constitution, passed by more than 525,000 votes out of the 783,000 cast; more than four-fifths (83.6%) voted "yes" (Table 1).

Votes in Counties: 1998

The amendment adding "and women" to Iowa's constitution passed by relatively great majorities in all 99 counties in 1998. Only in Sioux (70.0%) did fewer than three-quarters of the voters approve the amendment. In nine others (Appanoose, Davis, Iowa, Louisa, Lucas, Madison, Mahaska, Marion, Shelby), the percentage of "yes" votes varied from 76 to 79. The highest percentages in favor of the amendment occurred in Franklin (88.1%) and Mitchell (88.7%), although another 14 counties had 86 or 87 percent voting "yes."

Votes in Counties: 1980 and 1992

The amendment that failed in the 1980 and 1992 elections included an additional sentence. In 1992, 81 counties reported more votes against the amendment. At least 60 percent of the votes were cast against the amendment in 28 counties, with the percentage "no" exceeding 70 percent in three of these (Lyon, Osceola, Sioux). Only in Sioux was this percentage greater than 80. Four counties (Harrison, Johnson, Montgomery, Pottawattamie) had less than 40 percent voting against the equal rights amendment in 1992, although in none of these was the percentage below 30.

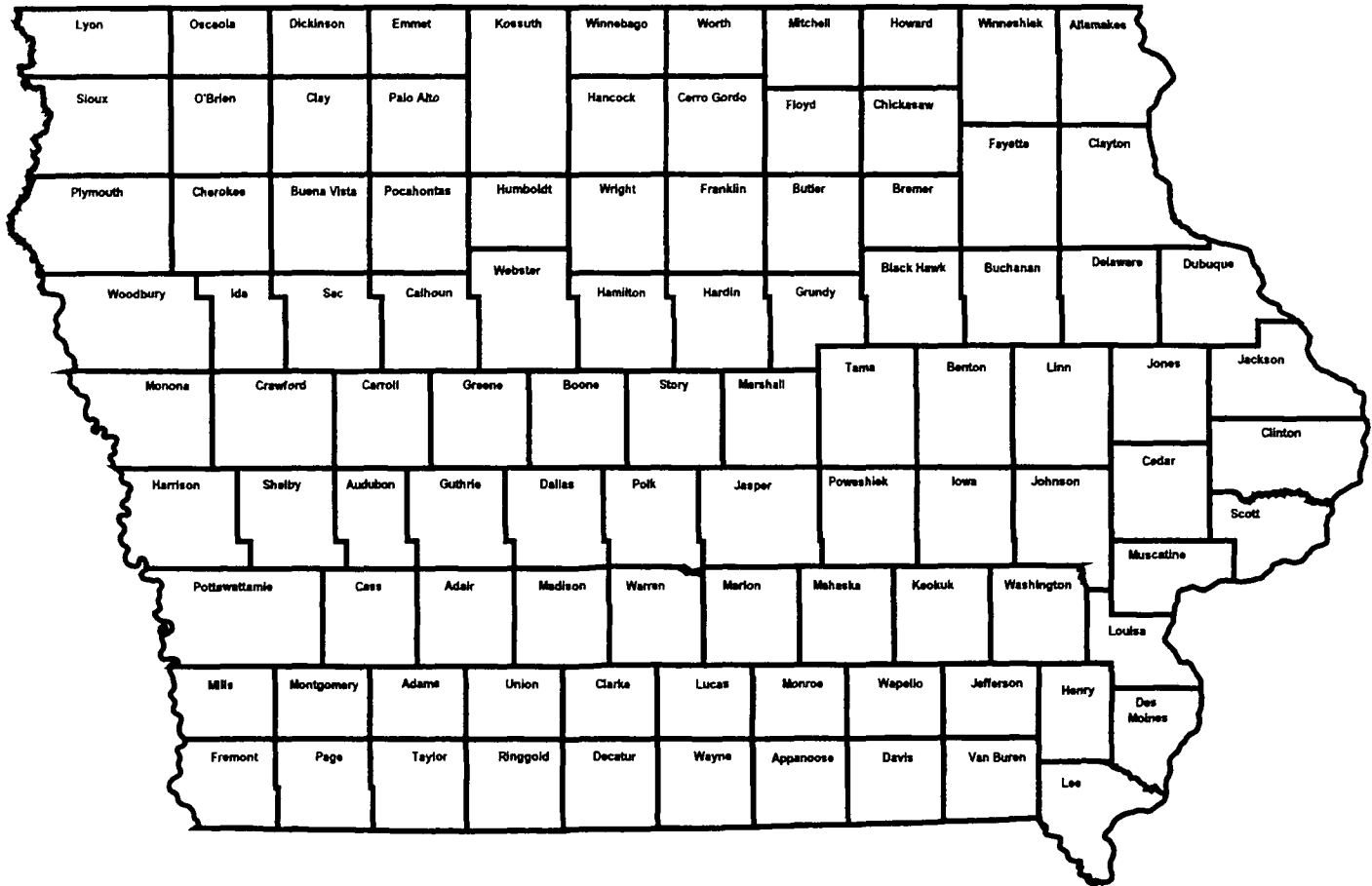
In 1980, 89 counties reported more "no" than "yes" votes. Forty-five counties had at least 60 percent of the votes cast against the amendment; again, Lyon, Osceola, and Sioux were the only counties in which at least 70 percent of the votes were in the "no" category. Only in Johnson did less than 40 percent vote against the amendment in 1980.

Table 1. Actual and Percentage Votes on Adding "and Women" (1998) and Additional Language on Equal Rights (1980, 1992) to the Constitution of the State of Iowa in Iowa's Counties.

County	Votes						Percentages					
	1998		1992		1980		1998		1992		1980	
	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes
Adair	484	2376	2448	1511	2925	1384	16.9	83.1	61.8	38.2	67.9	32.1
Adams	207	1389	1229	1273	1525	1198	13.0	87.0	49.1	50.9	56.0	44.0
Allamakee	573	2964	2625	1706	3528	1758	16.2	83.8	60.6	39.4	66.7	33.3
Appanoose	586	2299	2404	1944	2944	2003	20.3	79.7	55.3	44.7	59.5	40.5
Audubon	359	1525	1340	1037	1951	1226	19.1	80.9	56.4	43.6	61.4	38.6
Benton	1367	6066	5066	4776	5121	3264	18.4	81.6	51.5	48.5	61.1	38.9
Black Hawk	5345	29165	25146	24495	30542	23276	15.5	84.5	50.7	49.3	56.8	43.2
Boone	1168	6233	5997	3755	5930	4067	15.8	84.2	61.5	38.5	59.3	40.7
Bremer	1039	5995	4772	4056	5485	3279	14.8	85.2	54.1	45.9	62.6	37.4
Buchanan	987	5348	5165	3749	5145	3574	15.6	84.4	57.9	42.1	59.0	41.0
Buena Vista	820	3772	4542	2658	4789	2960	17.9	82.1	63.1	36.9	61.8	38.2
Butler	654	3277	3777	1780	3771	1999	16.6	83.4	68.0	32.0	65.4	34.6
Calhoun	470	2617	2951	1944	3025	1758	15.2	84.8	60.3	39.7	63.2	36.8
Carroll	720	4640	5788	3134	4670	2751	13.4	86.6	64.9	35.1	62.9	37.1
Cass	613	3437	3674	2916	2936	2808	15.1	84.9	55.8	44.2	51.1	48.9
Cedar	932	4141	3859	3388	3289	2872	18.4	81.6	53.2	46.8	53.4	46.6
Cerro Gordo	1997	12177	8347	9610	11138	8195	14.1	85.9	46.5	53.5	57.6	42.4
Cherokee	531	3549	3613	3087	3690	2174	13.0	87.0	53.9	46.1	62.9	37.1
Chickasaw	746	3779	3648	2270	3963	2998	16.5	83.5	61.6	38.4	56.9	43.1
Clarke	422	2589	2349	1543	2395	1694	14.0	86.0	60.4	39.6	58.6	41.4
Clay	629	3611	3764	2670	4523	2695	14.8	85.2	58.5	41.5	62.7	37.3
Clayton	613	2945	4179	2415	3845	2841	17.2	82.8	63.4	36.6	57.5	42.5
Clinton	1796	7983	10564	8850	8317	9884	18.4	81.6	54.4	45.6	45.7	54.3
Crawford	421	1760	2628	2167	2802	2067	19.3	80.7	54.8	45.2	57.5	42.5
Dallas	2210	10436	7791	6057	5969	4814	17.5	82.5	56.3	43.7	55.4	44.6
Davis	490	1875	2088	1556	2143	1373	20.7	79.3	57.3	42.7	60.9	39.1
Decatur	480	2118	2240	1390	2304	1812	18.5	81.5	61.7	38.3	56.0	44.0
Delaware	604	3368	3680	2304	3674	2530	15.2	84.8	61.5	38.5	59.2	40.8
Des Moines	1279	7209	7440	7703	7991	7535	15.1	84.9	49.1	50.9	51.5	48.5
Dickinson	603	4294	2683	2739	3384	2207	12.3	87.7	49.5	50.5	60.5	39.5
Dubuque	3292	15940	20140	18350	18657	12384	17.1	82.9	52.3	47.7	60.1	39.9
Emmet	332	2149	2423	2131	2720	1920	13.4	86.6	53.2	46.8	58.6	41.4
Fayette	1125	5435	4683	3479	5718	3741	17.1	82.9	57.4	42.6	60.5	39.5
Floyd	703	4193	3432	3142	3838	2923	14.4	85.6	52.2	47.8	56.8	43.2
Franklin	375	2774	2235	1511	2644	1986	11.9	88.1	59.7	40.3	57.1	42.9
Fremont	292	1864	1568	1820	1808	1099	13.5	86.5	46.3	53.7	62.2	37.8
Greene	449	2794	2767	2063	3149	1582	13.8	86.2	57.3	42.7	66.6	33.4
Grundy	737	3244	3050	1645	3593	1981	18.5	81.5	65.0	35.0	64.5	35.5
Guthrie	618	2990	2636	1511	3241	2007	17.1	82.9	63.6	36.4	61.8	38.2
Hamilton	806	4363	4272	3090	4511	2703	15.6	84.4	58.0	42.0	62.5	37.5
Hancock	504	2939	3320	1904	3198	1833	14.6	85.4	63.6	36.4	63.6	36.4
Hardin	810	4664	5072	3262	4482	3160	14.8	85.2	60.9	39.1	58.6	41.4
Harrison	682	2991	2054	3921	2599	3663	18.6	81.4	34.4	65.6	41.5	58.5
Henry	850	5192	4099	3937	4113	3968	14.1	85.9	51.0	49.0	50.9	49.1
Howard	501	2525	2443	1749	3251	2205	16.6	83.4	58.3	41.7	59.6	40.4
Humboldt	487	2601	3432	1537	2772	1496	15.8	84.2	69.1	30.9	64.9	35.1
Ida	249	1105	1577	1282	2451	1147	18.4	81.6	55.2	44.8	68.1	31.9
Iowa	1007	3849	3392	3184	3783	2250	20.7	79.3	51.6	48.4	62.7	37.3
Jackson	702	3148	3015	2786	2795	2579	18.2	81.8	52.0	48.0	52.0	48.0
Jasper	2184	8989	9683	7090	7439	5668	19.5	80.5	57.7	42.3	56.8	43.2

Table 1. Actual and Percentage Votes on Adding "and Women" (1998) and Additional Language on Equal Rights (1980, 1992) to the Constitution of the State of Iowa in Iowa's Counties (continued).

County	Votes						Percentages					
	1998		1992		1980		1998		1992		1980	
	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes
Jefferson	943	4464	3545	4058	3535	3304	17.4	82.6	46.6	53.4	51.7	48.3
Johnson	3892	26040	14963	33776	12136	25264	13.0	87.0	30.7	69.3	32.4	67.6
Jones	1004	5339	4638	3529	4853	3579	15.8	84.2	56.8	43.2	57.6	42.4
Keokuk	414	1762	2375	1682	2721	1783	19.0	81.0	58.5	41.5	60.4	39.6
Kossuth	899	4350	5002	3083	4689	2842	17.1	82.9	61.9	38.1	62.3	37.7
Lee	1426	8423	8000	8042	8480	5790	14.5	85.5	49.9	50.1	59.4	40.6
Linn	9800	51096	37041	47743	33650	28149	16.1	83.9	43.7	56.3	54.5	45.5
Louisa	567	2144	2137	1789	2015	2029	20.9	79.1	54.4	45.6	49.8	50.2
Lucas	510	1865	2387	1595	2620	1876	21.5	78.5	59.9	40.1	58.3	41.7
Lyon	531	2485	2582	907	3456	989	17.6	82.4	74.0	26.0	77.8	22.2
Madison	1017	3618	3503	2391	3231	2655	21.9	78.1	59.4	40.6	54.9	45.1
Mahaska	1339	4275	5671	2784	5244	3053	23.9	76.1	67.1	32.9	63.2	36.8
Marion	1586	6296	8148	4346	6554	4247	20.1	79.9	65.2	34.8	60.7	39.3
Marshall	2109	10512	10264	7324	11017	7030	16.7	83.3	58.4	41.6	61.0	39.0
Mills	482	2774	1841	2111	2063	1589	14.8	85.2	46.6	53.4	56.5	43.5
Mitchell	389	3051	2725	2299	2577	1918	11.3	88.7	54.2	45.8	57.3	42.7
Monona	487	2387	1683	1574	2271	1616	16.9	83.1	51.7	48.3	58.4	41.6
Monroe	448	1848	2355	1298	2150	1616	19.5	80.5	64.5	35.5	57.1	42.9
Montgomery	495	2790	1839	2829	2486	1614	15.1	84.9	39.4	60.6	60.6	39.4
Muscatine	1773	7481	7027	5776	5474	6565	19.2	80.8	54.9	45.1	45.5	54.5
O'Brien	642	3012	4350	2219	4531	2058	17.6	82.4	66.2	33.8	68.8	31.2
Osceola	281	1413	1980	644	1928	741	16.6	83.4	75.5	24.5	72.2	27.8
Page	662	4016	3499	3150	4246	1940	14.2	85.8	52.6	47.4	68.6	31.4
Palo Alto	300	1272	2135	1219	2568	1608	19.1	80.9	63.7	36.3	61.5	38.5
Plymouth	723	3001	3789	3145	5367	2682	19.4	80.6	54.6	45.4	66.7	33.3
Pocahontas	394	1921	2764	1597	2741	1533	17.0	83.0	63.4	36.6	64.1	35.9
Polk	17346	92362	80730	79275	57655	57222	15.8	84.2	50.5	49.5	50.2	49.8
Pottawattamie	2622	14965	9985	16429	11129	12173	14.9	85.1	37.8	62.2	47.8	52.2
Poweshiek	852	4781	4242	3053	4056	3441	15.1	84.9	58.1	41.9	54.1	45.9
Ringgold	268	1631	1294	1105	1451	1509	14.1	85.9	53.9	46.1	49.0	51.0
Sac	544	3210	2804	2109	3130	1778	14.5	85.5	57.1	42.9	63.8	36.2
Scott	7912	33591	28278	33281	26418	28341	19.1	80.9	45.9	54.1	48.2	51.8
Shelby	639	2397	2439	2273	2656	2239	21.0	79.0	51.8	48.2	54.3	45.7
Sioux	1490	3469	9682	1867	9713	2250	30.0	70.0	83.8	16.2	81.2	18.8
Story	2811	19802	16147	17782	15481	16938	12.4	87.6	47.6	52.4	47.8	52.2
Tama	844	4453	4556	3118	4279	2456	15.9	84.1	59.4	40.6	63.5	36.5
Taylor	315	1955	1556	1666	2168	1388	13.9	86.1	48.3	51.7	61.0	39.0
Union	440	2153	2695	1915	2530	1934	17.0	83.0	58.5	41.5	56.7	43.3
Van Buren	431	2280	1561	1524	1798	1649	15.9	84.1	50.6	49.4	52.2	47.8
Wapello	1541	7787	8304	6972	8130	6011	16.5	83.5	54.4	45.6	57.5	42.5
Warren	2319	9791	8397	5997	7559	5697	19.1	80.9	58.3	41.7	57.0	43.0
Washington	1111	4716	3653	2908	3401	2658	19.1	80.9	55.7	44.3	56.1	43.9
Wayne	383	1868	2050	1187	2373	1416	17.0	83.0	63.3	36.7	62.6	37.4
Webster	1559	8742	7858	5766	10447	5814	15.1	84.9	57.7	42.3	64.2	35.8
Winnebago	429	3066	2836	2528	3077	2590	12.3	87.7	52.9	47.1	54.3	45.7
Winneshiek	723	5068	5183	4097	4028	3249	12.5	87.5	55.9	44.1	55.4	44.6
Woodbury	4167	16676	18384	19780	21675	12440	20.0	80.0	48.2	51.8	63.5	36.5
Worth	359	2411	1646	2262	2016	2030	13.0	87.0	42.1	57.9	49.8	50.2
Wright	521	2924	3226	2237	3676	2124	15.1	84.9	59.1	40.9	63.4	36.6
State of Iowa	128589	654419	604839	557918	591925	468708	16.4	83.6	52.0	48.0	55.8	44.2



Votes in Iowa's Counties on Adding Two Amendments Regarding Taxes to the Constitution of the State of Iowa: 1999

Willis Goudy, Iowa State University

In June of 1999, two amendments to the constitution of the State of Iowa were considered in a special election. Amendment 1, labeled "Spending Limit" in Table 1, was summarized on the ballot as follows: Requires the Governor and Legislature to prepare and approve budgets for general fund expenditures which are no more than 99 percent of estimated revenues and carryover funds. Only 95 percent of new revenues may be included in general fund expenditures.

This amendment was defeated, with 50.7 percent voting no. In two-thirds (68) of the counties, Amendment 1 received more votes in favor than against. In 14 counties, at least 60 percent voted for this amendment; the 73.7 percent voting yes in Sioux was the highest recorded. Among the 31 counties with more votes against than for the amendment on spending limits, at least 60 percent voted no in six (Des Moines, Dubuque, Jackson, Johnson, Lee, Wapello). The number of votes against the amendment exceeded those for it by at least 3,000 in Johnson, Linn, and Polk. Differences in Black Hawk and Dubuque were nearly that large as well; Clinton, Des Moines, Lee, Story, and Wapello each had at least 1,000 more no than yes votes. In counties with more votes in favor than against Amendment 1, however, differences were greater than 1,000 only in Plymouth and Sioux. Thus, although this amendment on spending limits won in the majority of counties, it lost in many of those in which relatively large numbers of votes were cast.

A second amendment, called "60% Approval" in Table 1, also was put before voters. It was described in this manner on the ballot: Requires approval by three-fifths (60%) of all members of both the Iowa House and Senate to increase state revenues through state corporate and personal income tax or state sales and use taxes or to establish a new state tax.

This amendment also was defeated; 52.0 percent checked no. Again, voters in more counties voted for (65) than against (34) the amendment. In general, the results were similar to those for the other amendment. That is, voters in counties where fewer ballots were cast tended to support it. Those favoring it outnumbered those against by margins greater than 1,000 only in Plymouth and Sioux, while at least 1,000 more no than yes votes were counted in Black Hawk, Clinton, Des Moines, Dubuque, Johnson, Lee, Linn, Polk, Story, and Wapello. The difference exceeded 7,200 in Polk. In percentage terms, the county most favorable was Sioux (71.5%), while the one with the greatest margin of votes against Amendment 2 was Des Moines (65.1%).

In three counties (Fayette, Howard, Warren), voters favored Amendment 1 but not 2. The yes and no votes didn't differ greatly on either issue in these counties, however. In 65 counties, more ballots were received in favor of both amendments; in 31, majorities were against both measures.

Note: Full wording of these amendments are available from the director of elections in the office of the Secretary of State, Hoover Building, State Capitol Complex, Des Moines, IA 50319.

Table 1. Actual and Percentage Votes on Two 1999 Amendments to the Constitution of the State of Iowa in Iowa's Counties.

County	Amendment 1: Spending Limit				Amendment 2: 60% Approval				County	Amendment 1: Spending Limit				Amendment 2: 60% Approval											
	Votes		Percents		Votes		Percents			Votes		Percents		Votes		Percents									
	No	Yes	No	Yes	No	Yes	No	Yes		No	Yes	No	Yes	No	Yes	No	Yes								
Adair	679	843	44.6	55.4	685	829	45.2	54.8	Jefferson	963	1385	41.0	59.0	973	1342	42.0	58.0								
Adams	368	390	48.5	51.5	370	376	49.6	50.4	Johnson	9792	5719	63.1	36.9	9956	5583	64.1	35.9								
Allamakee	1015	1088	48.3	51.7	1003	1055	48.7	51.3	Jones	1486	1814	45.0	55.0	1524	1757	46.4	53.6								
Appanoose	841	1074	43.9	56.1	853	1036	45.2	54.8	Keokuk	838	926	47.5	52.5	858	890	49.1	50.9								
Audubon	665	515	56.4	43.6	673	504	57.2	42.8	Kossuth	1533	1424	51.8	48.2	1542	1370	53.0	47.0								
Benton	2032	2313	46.8	53.2	2056	2241	47.8	52.2	Lee	2904	1842	61.2	38.8	2864	1762	61.9	38.1								
Black Hawk	10319	7358	58.4	41.6	10555	7102	59.8	40.2	Linn	17458	14248	55.1	44.9	17806	13799	56.3	43.7								
Boone	2308	1957	54.1	45.9	2382	1886	55.8	44.2	Louisa	637	917	41.0	59.0	667	882	43.1	56.9								
Bremer	2091	1905	52.3	47.7	2123	1820	53.8	46.2	Lucas	610	679	47.3	52.7	626	653	48.9	51.1								
Buchanan	1797	1576	53.3	46.7	1801	1531	54.1	45.9	Lyon	477	1029	31.7	68.3	479	1016	32.0	68.0								
Buena Vista	873	1636	34.8	65.2	892	1642	35.2	64.8	Madison	997	1262	44.1	55.9	1016	1235	45.1	54.9								
Butler	974	1312	42.6	57.4	948	1303	42.1	57.9	Mahaska	1480	2118	41.1	58.9	1469	2118	41.0	59.0								
Calhoun	771	1086	41.5	58.5	758	1092	41.0	59.0	Marion	1611	2490	39.3	60.7	1768	2568	40.8	59.2								
Carroll	1365	1247	52.3	47.7	1392	1195	53.8	46.2	Marshall	2781	3457	44.6	55.4	2875	3347	46.2	53.8								
Cass	1056	1173	47.4	52.6	1034	1180	46.7	53.3	Mills	464	881	34.5	65.5	475	867	35.4	64.6								
Cedar	1363	1518	47.3	52.7	1415	1471	49.0	51.0	Mitchell	848	1206	41.3	58.7	876	1138	43.5	56.5								
Cerro Gordo	3779	3705	50.5	49.5	3805	3570	51.6	48.4	Monona	738	582	55.9	44.1	728	559	56.6	43.4								
Cherokee	898	1173	43.4	56.6	900	1146	44.0	56.0	Monroe	1122	806	58.2	41.8	1113	821	57.5	42.5								
Chickasaw	1335	955	58.3	41.7	1344	944	58.7	41.3	Montgomery	641	937	40.6	59.4	634	907	41.1	58.9								
Clarke	805	671	54.5	45.5	828	653	55.9	44.1	Muscatine	2727	3105	46.8	53.2	2842	2952	49.1	50.9								
Clay	1042	1375	43.1	56.9	1059	1359	43.8	56.2	O'Brien	964	1426	40.3	59.7	982	1348	42.1	57.9								
Clayton	1498	1478	50.3	49.7	1506	1423	51.4	48.6	Osceola	336	637	34.5	65.5	317	623	33.7	66.3								
Clinton	4346	3205	57.6	42.4	4394	3137	58.3	41.7	Page	1321	2317	36.3	63.7	1339	2298	36.8	63.2								
Crawford	791	1086	42.1	57.9	821	1031	44.3	55.7	Palo Alto	741	898	45.2	54.8	722	879	45.1	54.9								
Dallas	2619	3045	46.2	53.8	2693	2944	47.8	52.2	Plymouth	897	2044	30.5	69.5	916	1988	31.5	68.5								
Davis	658	505	56.6	43.4	643	491	56.7	43.3	Pocahontas	555	759	42.2	57.8	536	745	41.8	58.2								
Decatur	721	646	52.7	47.3	730	634	53.5	46.5	Polk	30382	25971	53.9	46.1	31773	24550	56.4	43.6								
Delaware	1248	1413	46.9	53.1	1266	1374	48.0	52.0	Pottawattamie	3682	4401	45.6	54.4	3640	4405	45.2	54.8								
Des Moines	4112	2307	64.1	35.9	4171	2236	65.1	34.9	Poweshiek	1310	1639	44.4	55.6	1333	1593	45.6	54.4								
Dickinson	957	1143	45.6	54.4	940	1091	46.3	53.7	Ringgold	432	546	44.2	55.8	423	538	44.0	56.0								
Dubuque	7966	4976	61.6	38.4	7937	4612	63.2	36.8	Sac	637	1033	38.1	61.9	652	1012	39.2	60.8								
Emmet	585	750	43.8	56.2	580	706	45.1	54.9	Scott	11605	11464	50.3	49.7	11739	11268	51.0	49.0								
Fayette	1705	1779	48.9	51.1	1735	1680	50.8	49.2	Shelby	796	1002	44.3	55.7	775	1005	43.5	56.5								
Floyd	1212	1330	47.7	52.3	1235	1275	49.2	50.8	Sioux	1133	3116	26.7	73.3	1207	3022	28.5	71.5								
Franklin	808	1011	44.4	55.6	822	975	45.7	54.3	Story	6667	4798	58.2	41.8	6899	4542	60.3	39.7								
Fremont	356	587	37.8	62.2	357	570	38.5	61.5	Tama	1418	1659	46.1	53.9	1473	1577	48.3	51.7								
Greene	1173	1125	51.0	49.0	1211	1085	52.7	47.3	Taylor	452	640	41.4	58.6	446	622	41.8	58.2								
Grundy	877	1397	38.6	61.4	910	1358	40.1	59.9	Union	990	1092	47.6	52.4	1030	1042	49.7	50.3								
Guthrie	822	1083	43.1	56.9	862	1042	45.3	54.7	Van Buren	528	751	41.3	58.7	524	747	41.2	58.8								
Hamilton	1283	1268	50.3	49.7	1268	1237	50.6	49.4	Wapello	3001	1750	63.2	36.8	3079	1738	63.9	36.1								
Hancock	837	1078	43.7	56.3	833	1071	43.8	56.3	Warren	2575	2651	49.3	50.7	2651	2587	50.6	49.4								
Hardin	1180	1573	42.9	57.1	1221	1488	45.1	54.9	Washington	1723	1819	48.6	51.4	1722	1793	49.0	51.0								
Harrison	901	854	51.3	48.7	863	849	50.4	49.6	Wayne	379	594	39.0	61.0	387	565	40.7	59.3								
Henry	1708	1573	52.1	47.9	1714	1533	52.8	47.2	Webster	2420	2762	46.7	53.3	2308	2679	46.3	53.7								
Howard	770	813	48.6	51.4	789	782	50.2	49.8	Winnebago	880	1344	39.6	60.4	896	1319	40.5	59.5								
Humboldt	720	950	43.1	56.9	727	912	44.4	55.6	Winneshiek	1298	1742	42.7	57.3	1335	1693	44.1	55.9								
Ida	415	696	37.4	62.6	418	691	37.7	62.3	Woodbury	5437	5839	48.2	51.8	5507	5734	49.0	51.0								
Iowa	1300	1530	45.9	54.1	1313	1507	46.6	53.4	Worth	690	729	48.6	51.4	683	723	48.6	51.4								
Jackson	2208	1376	61.6	38.4	2191	1318	62.4	37.6	Wright	941	1176	44.4	55.6	945	1122	45.7	54.3								
Jasper	3652	3061	54.4	45.6	3770	3007	55.6	44.4																	
										State of Iowa								218101	211934	50.7	49.3	222126	205317	52.0	48.0

Publications from Census Services

Willis Goudy, Iowa State University
 Sandra Charvat Burke, Iowa State University
 Margaret Hanson, Iowa State University
 Renea Miller, Iowa State University

County Data Books

Eleven editions of "Iowa's Counties: Selected Population Trends, Vital Statistics, and Socioeconomic Data," have been released. The contents vary from one issue to the next. Some items are updated annually. In other instances, new data are released only every 2, 5, or 10 years; in such cases, the latest information is incorporated whenever it becomes available. This volume is available for \$35.00; for information on contents of previous editions not included in this eleventh edition, review the inside front cover of this volume.

Other Reports or Series Publications

The first six in a series of reports on selected aspects of Iowa's population were released the last few years. Each is available for \$10.00.

Iowa's Changing Age Structure: Trends from 1890 to 2020. CS98-6. 73 pages.

Iowa's Youth: Trends from 1890 to 1990. CS98-5. 105 pages.

Housing in Iowa: Trends from 1890 to 1990. CS98-3. 126 pages.

Rural/Urban Transitions in Iowa. CS96-4. 112 pages.

Minority/Majority Groups in Iowa. CS95-3. 117 pages.

Iowa's Older Residents: Past, Present, and Future. CS94-7. 105 pages.

Another report will be completed before the end of 1999:

Agriculture in Iowa: Trends from 1935 to 1997. CS99-6.

Single copies of the following brief items can be ordered at no charge from our office while our supplies last. Some of these titles are released each year or every few years; only the most recent version is listed.

Counts (1990) and Estimates (1998) of Iowa Residents of Hispanic Origin. CS99-5. 2 pages.

Births, Deaths, and Migration for Iowa and Other States: 1990-1998. CS99-2. 2 pages.

Population Counts for Iowa and Other States: 1890-1990 Censuses and 1991-1998 Estimates. CS99-1. 2 pages.

Estimated Population (1996) and Population (1850-1990) for Incorporated Places in Iowa. CS97-3. 19 pages.

Births, Deaths, and Migration in Iowa: 1910-1992. CS94-6. 4 pages.

1990 Census Publications

Six brief reports highlighting data from the 1990 census have been published by Census Services. The first four are based on information on the PL94-171 (Public Law 94-171) computer tape, which was used for redistricting the state for legislative purposes; this tape was released in February of

1991. The fifth one (CS91-6) is from the tape (STF1A) with more detailed demographic and housing data that arrived in May of 1991. The sixth (CS92-4), which was based on a tape (STF3A) received in May of 1992, contains socioeconomic and additional housing variables. Single copies of these reports can be ordered at no charge from Census Services (303 East Hall, Iowa State University, Ames, IA 50011).

Iowa's Counties in 1980 and 1990: Initial Census Counts on Population, Race, Hispanic Origin, and Housing Units. CS91-2. 6 pages.

Iowa's Incorporated Places in 1990: Initial Census Counts on Population, Race, Hispanic Origin, and Housing Units. CS91-3. 22 pages.

Iowa's Townships in 1990: Initial Census Counts on Population, Race, Hispanic Origin, and Housing Units. CS91-4. 28 pages.

Race and Hispanic Origin in 1990 by Age (18 and Older, 17 and Younger) in Iowa's Counties. CS91-5. 10 pages.

1990 Census Data for the State of Iowa from Summary Tape File 1A. CS91-6. 6 pages.

1990 Census Data for the State of Iowa from Summary Tape File 3A. CS92-4. 16 pages.

Information for counties and incorporated places equivalent to that in CS91-6 and CS92-4 (the last two reports listed above) for 1990 is available through county extension offices. Each office has 21 pages of data for that county and 21 pages for each incorporated place within it. Field specialists with ISU Extension to Communities located throughout the state have the data for their sets of counties and incorporated places. A complete set of the pages or specialized computer runs can be obtained from Census Services; charges apply, of course.

Web Site

Check <http://socserver.soc.iastate.edu/census/> on the World Wide Web for the latest information from Census Services.

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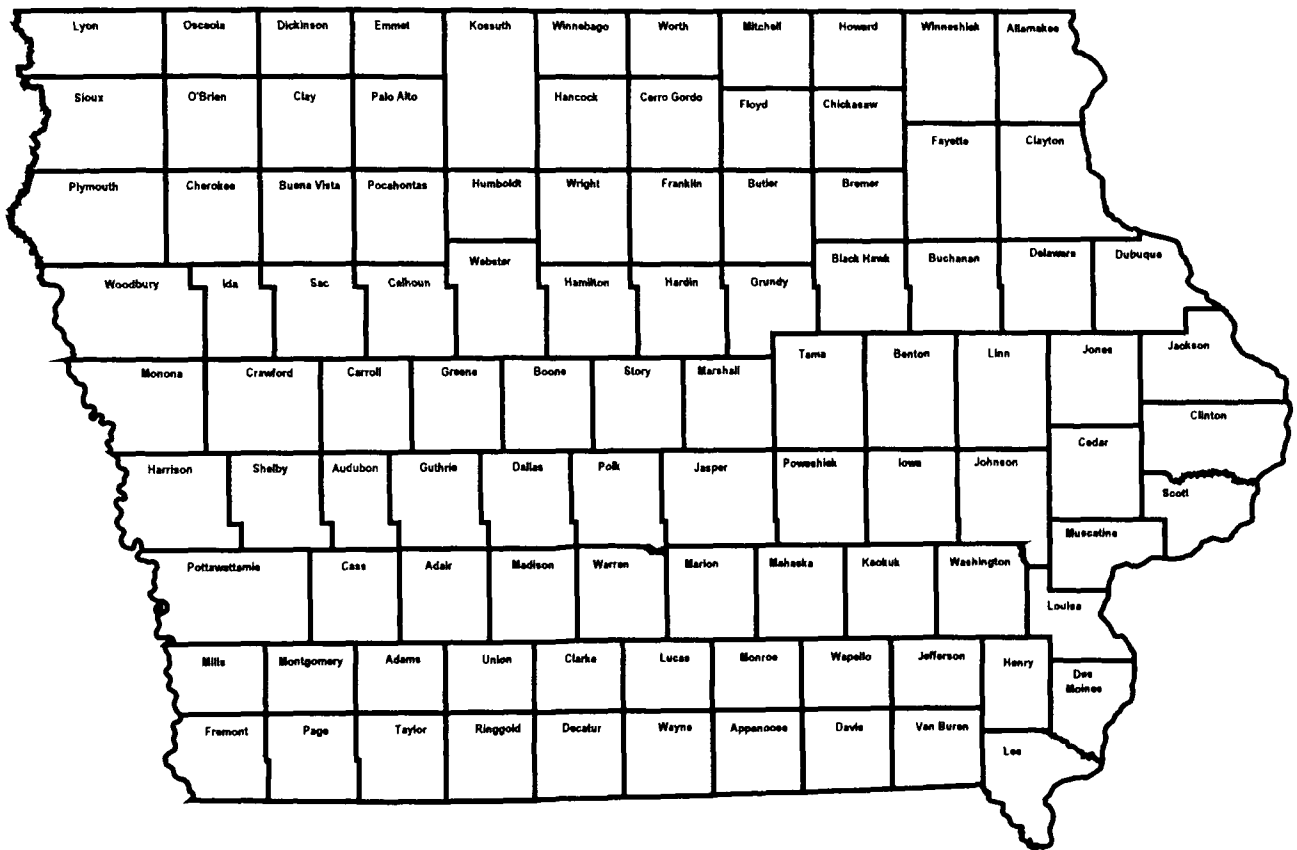
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