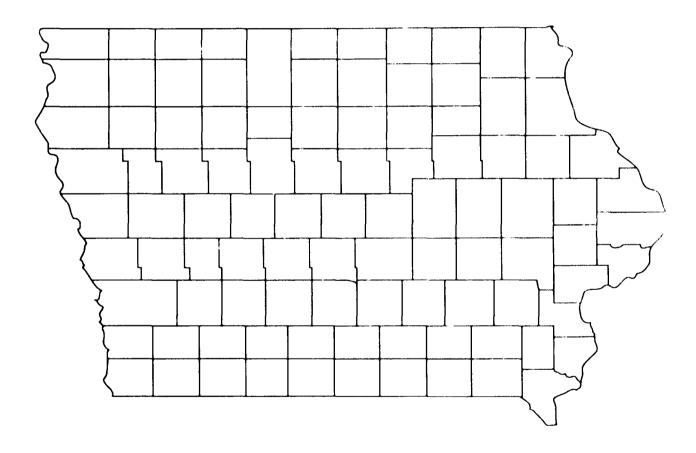


lowa's Counties:

Selected Population Trends, Vital Statistics, and Socioeconomic Data

1991 Edition



Willis Goudy and Sandra Charvat Burke Census Services Department of Sociology Iowa State University Ames, IA 50011

October, 1991



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Introduction

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

Census Services at lowa State University has disseminated data from a variety of sources since 1983. We began publishing reports based on the data from the 1980 and earlier censuses. Because of requests for information not included in the decennial censuses, we started to work with data from other state and federal agencies. In this volume, we have gathered data from varied sources to serve as a reference for demographic and socioeconomic change in lowa's counties. We've focused on the 1980s for the most part, although one section traces population back to 1850 while another projects it to 2010. We are particularly interested in providing data that readers can use to determine trends that are occurring in lowa; that's why all of the sections have data for at least two years.

This year we've included several demographic items from the 1990 census. To provide an indication of change, we added data from previous censuses for these factors. Additional information for 1990 is available through lowa State Extension offices in each county. We provided each one with five pages that included all data reported for that county by the U.S. Bureau of the Census on the initial summary data tape (1A) that the bureau provided. A complete set of the five pages for each of lowa's 99 counties is available from our office (cost: approximately \$60.00). Information on socioeconomic items will be released in 1992, and we plan to include some items in our data book next year and again provide complete information through extension offices.

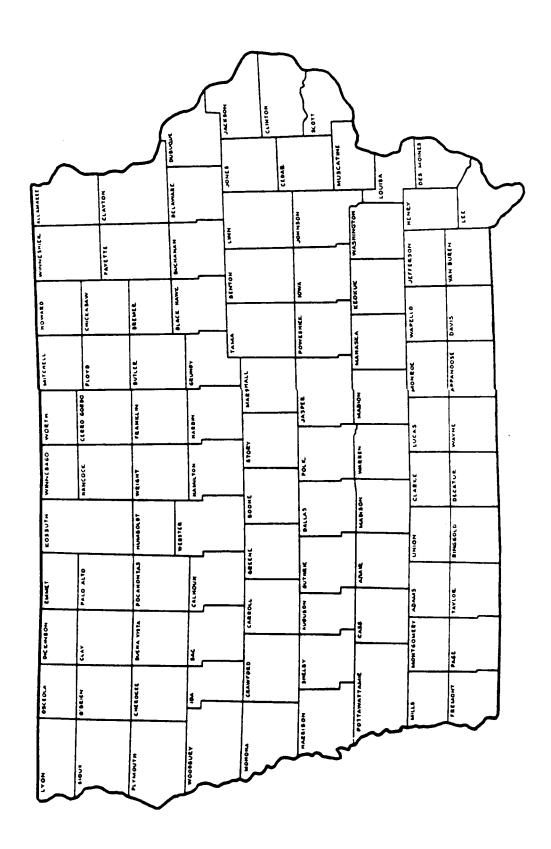
Each data set in this volume is accompanied by a commentary that provides a brief analysis of trends. Definitions are provided where necessary, as well as notes of caution and an indication of the source of the data. For assistance in locating counties mentioned in the text, a map is included on page 4.

This is the third edition of this volume. We've added to the section on social statistics this year. We're confident that readers will find sources of data on lowa's counties that they haven't seen previously. But we had to delete selected reports that we included last year because of space limitations; likewise, we will not be able to include everything we printed this year in the 1992 edition. Some items will return in later years when new data become available. Readers interested in having as much information available as possible will want to collect and retain all volumes in this series.

We know that the statistics that we've included have never been published in one source; indeed, many have never been published previously for the general public. But we've undoubtedly missed other data sets for lowa's counties that would be valuable to share in future editions. Thus, suggestions on data that would be useful would be appreciated. So would comments on this edition. There are from 600 to 10,600 numbers in each of the reports in this volume; indeed, there are more than 130,000 numbers in the pages that follow. Although they 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 320 East Hall, Department of Sociology, Iowa State University, Ames, IA 50011. We can be reached at 515-294-8337 or 515-294-9307.

Note: Renea Miller is the clerk-typist for Census Services. She entered and verified on a microcomputer much of the data reported in this volume. In addition, she trained students on data entry procedures; she is our expert on using a word processing system to construct tables and format text. How she does all of this while giving Census Services no more than half of her time is difficult to understand, but we are delighted that she remains an integral part of our small group of professionals. We are also indebted to Catherine Huberty, Martin Hansen, and Yang Xiaodong for their work in adding data to our files and checking the accuracy of those numbers.



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

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

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, which was four years after statehood in 1846. County populations have undergone many changes in the succeeding years.

1850 to 1900

In 1850, much of lowa 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 from the southwest corner to the northeast corner 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 corner. 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 significantly to nearly 675,000. Only Lyon and Osceola, two counties in the northwest corner of the state, had no reported population. During the decade of the 1850s, the counties along the Mississippi River experienced relatively great growth. Dubuque gained more than 20,000 people; Scott gained nearly that many (Table 2). The eastern and southeastern parts of the state grew as settlement progressed westward and northward from the southeast corner. By 1860, 29 counties had populations of more than 10,000. All counties in the state gained population from 1850 to 1860 with the exception of Pottawattamie.

Growth continued through the decade of the 1860s. The state gained more than 500,000 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 and most of them were 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, the most rapidly growing counties were in the central areas of the state rather than along the Mississippi River 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, indicating that rapid growth had reached into western lowa. An additional indication of the shift in population was seen in the losses experienced by some southeastern counties.

Twenty-seven counties lost population from 1880 to 1890 with most in the eastern or southern areas of lowa. The state population as a whole, however, continued to grow, 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. Significant growth was also shown in Plymouth and Sioux.

Table 1. Population in Iowa 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	0
Adams	4866	5731	6322	7468	8753	10156	10437	10521	10998	13601	12292	11888	4614	1533	0
Allamakee	13855	15108	14968	15982	16351	17184	16328	17285	17328	18711	17907	19791	17868	12237	777
Appenoose	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	0
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	0
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	0
Butler	15731	17668	16953	17467	17394	17986	17617	17845	17119	17955	15463	14293	9951	3724	0
Cathoun	11508	13542	14292	15923	16925	17584	17605	17783	17090	18569	13107	5595	1602	147	0
Carroll	21423	22951	22912	23431	23065	22770	22326	21549	20117	20319	18828	12351	2451	281	0
Cass	15128	16932	17007	17919	18532	18647	19422	19421	19047	21274	19645	16943	5464	1612	0
Cedar	17381	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	0
Cherokee	14098	16238	17269	18598	19052	19258	18737	17760	16741	16570	15659	8240	1967	58	0
Chickasaw	13295	15437	14969	15034	15228	15227	14637	15431	15375	17037	15019	14534	10180	4336	0
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	0
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	0
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	0
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	0
Fayette	21843	25488	26898	28581	28294	29151	29145	29251	27919	29845	23141	22258	16973	12073	825

Table 1. Population in Iowa 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	0
Franklin	11364	13036	13255	15472	16268	16379	16382	15807	14780	14996	12871	10249	4738	1309	0
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	0
Grundy	12029	14366	14119	14132	13722	13518	14133	14420	13574	13757	13215	12639	6399	793	0
Guthrie	10935	11983	12243	13607	15197	17210	17324	17596	17374	18729	17380	14394	7061	3058	0
Hamilton	16071	17862	18383	20032	19660	19922	20978	19531	19242	19514	15319	11252	6055	1699	0
Hancock	12638	13833	13506	14604	15077	15402	14802	14723	12731	13752	7621	3453	999	179	0
Hardin	19094	21776	22248	22533	22218	22530	22947	23337	20921	22794	19003	17807	13684	5440	0
Harrison	14730	16348	16240	17600	19560	22767	24897	24488	23162	25597	21356	16649	8931	3621	0
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	0
Humboldt	10756	12246	12519	13156	13117	13459	13202	12951	12182	12667	9836	5341	2596	332	0
Ida	8365	8908	9283	10269	10697	11047	11933	11689	11296	12327	10705	4382	226	43	0
i owa	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	<i>7</i> 210
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	0
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	0	0
4adi son	12483	12597	11558	12295	13131	14525	14331	15020	15621	17710	15977	17224	13884	7339	1179
4ahaska	21522	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
4arshall	38276	41652	41076	37984	35611	35406	33727	32630	30279	29991	25842	23752	17576	6015	338
Hills	13202	13406	11832	13050	14064	15064	15866	15422	15811	16764	14548	14137	8718	4481	0
Mitchell	10928	12329	13108	14043	13945	14121	14065	13921	13435	14916	13299	14363	9582	3409	0

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

County	1990	1980	1970	1960	1950	1940	1930	1920	1910	1900	1890	1880	1870	1860	1850
Honona	10034	11692	12069	13916	16303	18238	18213	17125	16633	17980	14515	9055	3654	832	0
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	0
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	0
Osceol a	7267	8371	8555	10064	10181	10607	10182	10223	8956	8725	5574	2219	0	0	0
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	0
Plymouth	23388	24743	24322	23906	23252	23502	24159	23584	23129	22209	19568	8566	2199	148	0
Pocahontas	9525	11369	12793	14234	15496	16266	15687	15602	14808	15339	9553	3713	1446	103	0
Polk	327140	303170	286130	266315	226010	195835	172837	154029	110438	82624	65410	42395	27857	11625	4513
Pottawattamie	82628	86561	8 699 1	83102	69682	66756	69888	61550	55832	54336	47430	398 50	16893	4968	7828
Powesh i ek	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	0
Sac	12324	14118	15573	17007	17518	17639	17641	17500	16555	17639	14522	8774	1411	246	0
Scott	150979	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	0
Sioux	29903	30813	27996	26375	26381	27209	26806	26458	25248	23337	18370	5426	576	10	0
Story	74252	72326	62783	49327	44294	33434	31141	26185	24083	23159	18127	16906	11651	4051	0
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	0
Van Buren	7676	8626	8643	9778	11007	12053	12603	14060	15020	17354	16253	17043	17672	17081	12270
Hapello	35687	40241	42149	46126	47397	44280	40480	37937	37743	35426	30426	25285	22346	14518	8471
larren .	36033	34878	27432	20829	17758	17695	17700	18047	18194	20376	18269	19578	17980	10281	961
lash ington	19612	20141	18967	19406	19557	20055	19822	20421	19925	20718	18468	20374	18952	14235	4957
layne	7067	8199	8405	9800	11737	13308	13787	15378	16184	17491	15670	16127	11287	6409	340
<i>l</i> ebster	40342	45953	48391	47810	44241	41521	40425	37611	34629	31757	21582	15951	10484	2504	0
Jinnebago	12122	13010	12990	13099	13450	13972	13143	13489	11914	12725	7325	4917	1562	168	0
Jinneshiek	20847	21876	21758	21651	21639	22263	21630	22091	21729	23731	22528	23938	23570	13942	546
loodbury	98276	100884	103052	107849	103917	103627	101669	92171	67616	54610	55632	14996	6172	1119	0
Jorth	7991	9075	8984	10259	11068	11449	11164	11630	9950	10887	9247	7953	2892	756	0
Hright	14269	16319	17294	19447	19652	20038	20216	20348	17951	18227	12057	5062	2392	653	O
State of Iowa	2776755	2913808	2825368	2757537	2621073	2538268	2470939	2404021	2224771	2231853	1912297	1624615	1194020	674913	192214

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

	1980-	1970-	1960-	1950-	1940-	1930-	1920-	1910-	1900-	1890-	1880-	1870-	1860-	1850-
County	1990	1980	1970	1960	1950	1940	1930	1920	1910	1900	1890	1880	1870	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	-1254	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	<i>-7</i> 342	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

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

	1980-	1970-	1960-	1950-	1940-	1930-	1920-	1910-	1900-	1890-	1880-	1870-	1860-	1850-
County	1990	1980	1970	1960	1950	1940	1930	1920	1910	1900	1890	1880	1870	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	137
Grundy	-2337	247	-13	410	204	-615	-287	846	-183	542	576	6240	5606	79
Guthrie	-1048	-260	-1364	-1590	-2013	-114	-272	222	- 1355	1349	2986	7333	4003	305
Hamilton	-1791	-521	-1649	372	-262	-1056	1447	289	-272	4195	4067	5197	4356	169
lancock	-1195	327	-1098	-473	-325	600	79	1992	-1021	6131	4168	2454	820	17
Hardin	-2682	-472	-285	315	-312	-417	-390	2416	-1873	3791	1196	4123	8244	544
Harrison	-1618	108	-1360	-1960	-3207	-2130	409	1326	-2435	4241	4707	7718	5310	362
Henry	336	776	-73	-521	714	334	-638	-342	- 1382	1127	-2091	-477	2762	999
Howard	- 1305	-328	-1292	-371	-426	449	-623	785	- 1592	3330	345	4555	3114	316
lumbol dt	-1490	-273	-637	39	-342	257	251	769	-485	2831	4495	2745	2264	33
lda	-543	-375	-986	-428	-350	-886	244	393	-1031	1622	6323	4156	183	4
I OMB	-799	10	-977	561	-1181	-316	-1268	191	-1135	1274	-951	2577	8615	720
Jackson	-2553	1664	85	2132	-559	700	-1450	-1327	-2357	844	-1000	1152	4126	1128
Jasper	- 1630	1000	143	2977	809	-1440	5081	821	58	2033	-1020	3847	12233	860
Jefferson	-6	542	-44	122	-66	-479	-199	489	-1486	2253	-2285	-370	2801	513
Johnson	14402	9590	18464	7907	12565	2915	3814	548	1097	1735	-2347	531	<i>7</i> 325	1310
Jones	-957	533	-825	1292	-549	744	599	-443	-2904	1721	-819	1321	6425	1029
Keokuk	-1297	-1022	- 1549	-1305	- 1609	-742	- 1835	-177	-3819	1117	2604	1824	6163	844
Kossuth	-3300	-1046	-2377	-927	-389	1178	370	3111	-749	9600	6942	2827	2935	41
Lee	-4419	110	-1211	1105	2028	- 194	1592	2974	-3017	2004	2856	-2351	7978	1037
Linn	-1008	6562	26314	32625	15132	6806	8332	13284	5328	10089	8066	6157	12133	1350
ouisa.	-463	1373	392	-811	-283	- 191	-604	-676	-661	1643	-1269	265	2507	543
ucas	-1243	150	-760	-1146	-2502	-543	-572	2224	-2664	1563	33	4142	4622	529
.yon	-944	-444	-1128	-229	-677	81	-138	807	1459	4485	6712	1747	221	
ladison	-114	1039	-737	-836	- 1394	194	-689	-601	-2089	1733	-1247	3340	6545	616
1ahaska	- 1345	690	-1425	-1070	- 1813	681	-466	-3590	-4413	5468	3603	2694	7692	882
larion	332	3317	466	-44	- 1089	1292	770	1962	-1164	1101	-2053	675	7623	1133
4arshall	-3376	576	3092	2373	205	1679	1097	2351	288	4149	2090	6176	11561	567
tills	-204	1574	-1218	-1014	- 1000	-802	444	-389	-953	2216	411	5419	4237	448
1í tchel l	- 1401	-779	-935	98	-176	56	144	486	-1481	1617	-1064	4781	6173	340

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

	1980-	1970-	1960-	1950-	1940-	1930-	1920-	1910-	1900-	1890-	1880-	1870-	1860-	1850-
County	1990	1980	1970	1960	1950	1940	1930	1920	1910	1900	1890	1880	1870	1860
Monona .	- 1658	-377	- 1847	-2387	- 1935	25	1088	492	- 1347	3465	5460	5401	2822	837
Monroe	- 1095	-148	-1106	-1351	-2739	-457	-8457	-1962	7444	4319	-53	995	4112	5728
Hontgomery	- 1337	632	- 1686	-1218	-12	-1055	-296	444	-1199	1955	-47	9961	4678	1256
Muscatine	-52 9	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	0	(
Page 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	-9043	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
T ama	-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 Bur e n	-950	-17	-1135	-1229	-1046	-550	-1457	-960	-2334	1101	-790	-629	591	4811
dapel (o	-4554	-1908	-3977	-1271	3117	3800	2543	194	2317	5000	5141	2939	7828	6047
larren .	1155	7446	6603	3071	63	-5	-347	-147	-2182	2107	- 1309	1598	7699	9320
lash ington	-529	1174	-439	-151	-498	233	-599	496	-793	2250	- 1906	1422	4717	9278
layne	-1132	-206	-1395	-1937	- 1571	-479	- 1591	-806	-1307	1821	-457	4840	4878	6069
lebster	-5611	-2438	581	3569	2720	1096	2814	2982	2872	10175	5631	5467	7980	2504
li nnebago	-888	20	-109	-351	-522	829	-346	1575	-811	5400	2408	3355	1394	168
linneshiek	- 1029	118	107	12	-624	633	-461	362	-2002	1203	-1410	368	9628	13396
loodbury	-260 8	-2168	-4797	3932	290	1958	9498	24555	13006	-1022	40636	8824	5053	1119
Jorth	-1084	91	-1275	-809	-381	285	-466	1680	-937	1640	1294	5061	2136	756
dright	- 2050	-975	-2153	- 205	-386	-178	-132	2397	-276	6170	6995	2670	1739	653
State of Iowa	- 137053	88440	67831	136464	82805	67329	66918	179250	- 7082	319556	287682	430595	519107	482699

Table 3. Population Change (1850-1900, 1900-1950, 1950-1990), Decades of Population Increase, and Year Census Count Highest in Iowa counties.

		Popul	ation Cha	nge		No embre	er of Decade	se of	
	1850-1900	1900	0-1950	1950)-1990		ation Incre		
County	Number	Number	Percent	Number	Percent	1850-1900	1900-1950	1950-1990	Year Census Count Highest
Adair	16192	-3900	-24.1	-3883	-31.6	5	0	1	1900
Aciams	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
Buchanen	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	471	2.8	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		1900
Grundy	13757	-35	-0.2				2	0	
Guthrie	18729	-3532		-1693	-12.3	5		2	1920
Hamilton			-18.9	-4262	-28.0	5	1	0	1900
	19514	146	0.8	-3589	-18.3	5	2	1	1930
Hancock	13752	1325	9.6	-2439	-16.2	5	3	1	1940
Hardin Hannison	22794	-576	-2.5	-3124	-14.1	5	1	1	1920
Harrison Hammy	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 Talo	12667	450	3.6	-2361	-18.0	5	3	1	1940
Ida Taur	12327	-1630	-13.2	-2332	-21.8	5	2	0	1900
i owa	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 3. Population Change (1850-1900, 1900-1950, 1950-1990), Decades of Population Increase, and Year Census Count Highest in Iowa counties (continued).

		Popul	ation Cha	nge 		Numbe	er of Decade	es of	
	1850-1900	1900	0-1950	1950	0-1990	Popul	ation Incre	ease	Year Commun
County	Number	Number	Percent	Number	Percent	1850-1900	1900-1950	1950-1990	Year Census Count Highes
Jefferson	7533	-1741	-10.0	614	3.9	3	1	2	1870
Johnson	20345	20939	84.4	50363	110.1	4	5	4	1990
iones	18947	-2553	-11.6	43	0.2	4	2	2	1900
Keokuik	20157	-8182	-32.8	-5173	-30.8	5	0	0	1900
Cossuth	22720	3521	15.5	-7650	-29.2	5	3	0	1940
_ee	20858	3383	8.5	-4415	-10.2	4	3	2	1960
.inn	49948	48882	88.2	64493	61.8	5	5	3	1980
_oui sa	8577	-2415	-17.9	491	4.4	4	0	2	1900
Lucas	15655	-4057	-25.2	-2999	-24.8	5	1	1	1900
_yon	13165	1532	11.6	-2745	-18.7	4	3	0	1920
1adi son	16531	-4579	-25.9	-648	-4.9	4	1	1	1900
1ahaska	28284	-9601	-28.0	-3150	-12.8	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
ills	16764	-2700	-16.1	-862	-6.1	5	1	1	1900
i tchell	14916	-971	-6.5	-3017	-21.6	4	3	1	1900
fonona	17980	-1677	-9.3	-6269	-38.4	5	3	Ò	1940
4onroe	15101	-6171	-34.3	-3700	-31.3	4	1	0	1910
fontgomery	17803	-2118	-11.9	-3609	-23.0	4	1	1	1900
luscatine	22511	3906	13.8	7759	24.1	5	4	3	1980
)'Brien	16985	1985	11.7	-3526	-18.6	5	3	0	1940
osceola	8725	1456				3	3	0	
			16.7	-2914	-28.6 -28.6	ა 5			1940
age	23636	-266	-1.1	-7051	-29.5	_	2	1	1930
Palo Alto	14354	1537	10.7	-5222	-32.9	5	2	0	1940
lymouth	22209	1043	4.7	136	0.6	5	3	3	1980
ocahontas	15339	157	1.0	-5971	-38.5	5	3	0	1940
Polk	78111	143386	173.5	101130	44.8	5	5	4	1990
ottawattamie	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	50281	49.9	5	5	3	1980
Shelby	17932	-19 9 0	-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
ате	24577	-2897	-11.8	-4269	-19.7	5	2	0	1900
aylor	18580	-6364	-33.9	-5306	-42.7	5	0	0	1900
Inion	19928	-4277	-21.5	-2901	-18.5	5	2	1	1900
an Buren	5084	-6347	-36.6	-3331	-30.3	3	0	0	1870
iapello	26955	11971	33.8	-11710	-24.7	5	5	0	1950
larren	19415	-2618	-12.8	18275	102.9	4	1	4	1990
lash ington	15761	-1161	-5.6	55	0.3	4	2	1	1900
layne	17151	-5754	-32.9	-4670	-39.8	4	0	0	1900
lebster	31757	12484	39.3	-3899	-8.8	5	5	. 2	1970
innebago	12725	725	5.7	- 1328	-9.9	5	2	1	1940
linneshiek	23185	-2092	-8.8	-792	-3.7	4	2	3	1880
loodbury	54610	49307	90.3	-5641	-5.4	4	5	1	1960
orth	10887	49307 181							
right	18227	1425	1.7 7.8	-3077 -5383	-27.8 -27.4	5 5	2 1	1 0	1920 1920
State of Iowa	2039639	389220	17.4	155682	5.9	5	4	3	1980

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 lowa go from a sparsely- to a fully-settled state with a gain of more than two million people (Table 3). 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 lowa's population. The generalized growth of the previous 50 years came to a halt. In the decade from 1900 to 1910, lowa 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 lowa'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% of its population, while Fremont, Keokuk, Lucas, Ringgold, and Union declined by more than 15%. 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 countles with large cities (Black Hawk, +38%; Polk, +34%; Woodbury, +24%), although Monroe was highest (+41%). 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 lowa 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%). 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%); it was the only county with a decline greater than 10%. 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, lowa's population reached 2,470,939, an increase of 2.8% over 1920. Even though the state was growing, nearly half (48) of the counties declined. Monroe dropped by 8,457 people, a 36% 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%. Of the 51 counties that grew during the decade, the greatest percentage gains were in Black Hawk (+22%), Story (+19%), and Jasper (+18%). Woodbury joined Polk in having a total population over 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 (-9%) 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 16% 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%; four of these (Appanoose, Fremont, Lucas, Monroe) were over 15%. The 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 1870. Indeed, all counties in lowa had been above 10,000 since 1920. In sharp contrast to these losses were nine counties for which population gains were greater than 10%. All of these nine contained substantial cities. Johnson and Story

led with increases greater than 30% 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 lowa was more than 2.6 million in 1950.

lowa's growth was considerably slower in the first half of the twentieth century than it had been in the last half of the 1800s. Less than 400,000 residents were added from 1900 to 1950, which was an increase of 17.4%. Fifty-five counties had fewer residents in 1950 than they counted in 1900 (Table 3). 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 lowa'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

lowa experienced an upsurge in population in the 1950s, when it increased by more than 5% 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% and eight of these also had more than 10% growth the previous decade. Still, 58 counties declined, 16 losing more than 10%. Eight counties (Adams, Appanoose, Decatur, Fremont, Monona, Ringgold, Taylor, Wayne) were down at least 14% and all of them had lost at least 10% 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%. This time 74 counties experienced population declines, more than in any previous decade. Twenty-two had losses of at least 10%. 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% occurred in Johnson (+34%), Story (+27%), and Warren (+32%).

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%. 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% in Dickinson and 27% 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 more than 2.9 million.

Population trends turned quite negative in the 1980s, when the number of lowans dropped by 137,000 (-4.7%). Seven counties (Dallas, Henry, Johnson, Marion, Polk, Story, Warren) gained population from 1980 to 1990. 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% (Polk, +8%; Johnson, +18%). 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% in the 1980s. Seven of these declines were 15% or greater (Adams, -15%; Calhoun, -15%; Greene, -17%; Grundy, -16%; Kossuth, -15%; Palo Alto, -16%; Pocahontas, -16%).

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% (Table 3). 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; Floyd reported higher populations at the end of all decades except one from 1900 to 1950, but it didn't grow between any of the censuses from 1950 to 1990.

Concluding Comments

Growth between 1850 and 1900 resulted in only three lowa 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 that they 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.

Projected Population in Iowa's Counties: 2000-2010

Willis Goudy, Iowa State University

Projections of the population of lowa and its counties require the use of past trends, current information, and assumptions of what may occur in the future. Three sets of projections are reported in Table 1, each of which is based on assumptions concerning possible demographic or economic trends and on data available at the time they were completed.

The projections released in 1984 by the Office of the State Demographer for lowa, a position that no longer exists in state government, were based on demographic trends. Certain assumptions were made about births, deaths, and migration in the state and the counties through 1982 and projected to the year 2000. The projections made by the lowa Department of Transportation in 1987 considered the same trends, although data through at least 1985 were available as the base. These projections were carried forward through the year 2010. In 1991, Woods and Poole Economics, Inc. (1794 Columbia Road, NW; Washington, DC 20009), also provided projections to 2010. Economic models drive this third set of projections, with employment statistics acting as a key determinant of the figures. Woods and Poole update their projections annually; they had the advantage of using initial 1990 census data as part of the data series for their projection equations.

For lowa, the projections for the year 2000 vary from 2,838,000 to 2,965,000; the more recent the projection, the lower the figure. The two projections that are available for 2010 differ by only 5,000, with the Woods and Poole (2,925,000) projection lower than that from the lowa Department of Transportation (2,930,000).

Using the new 1990 total populations as a base, more counties are projected to gain from 1990 to 2000 by the Office of the State Demographer (87 increase, 12 decrease) than by the Iowa Department of Transportation (68 increase, 31 decrease). But the most recent projections from Woods and Poole indicate that only 31 will gain while 68 will decline in population this decade. Both projections available for 2010 predict that more counties will decrease than increase during the first decade of the next century, with 58 (lowa Department of Transportation) to 62 (Woods and Poole) counties projected to decline even though the state's total population is expected to increase.

Note: Caution is urged in examining population projections. Assumptions underlying the three sets reported here vary substantially. One method of using them would be to build a range by indicating the upper and lower projections for a county. Another possibility would be to pool projections from the various sets for a specific time period and obtain an average. In using either of these suggestions or the individual projections alone, it is important to realize how difficult it is to project populations even a few years, let alone a few decades, into the future.

Table 1. Residents, 1990, and Projected Residents, 2000-2010, in Iowa Counties.

	Census	State Demographer	Iowa Dept. of	Transportation	Woods and Pool	e Economics
County	1990	2000	2000	2010	2000	2010
Adair	8409	8300	8245	7746	7940	7860
Adams	4866	5200	5026	4748	4690	4740
Allamakee	13855	15000	1 <i>77</i> 55	19419	13490	13350
Appanoose	13743	14400	13291	12413	13650	13710
Audubon	7334	8100	7455	7019	6930	6840
Benton	22429	22400	23037	22940	21390	20690
Black Hawk	123798	139400	120618	113787	122900	122640
Boone	25186	25500	24734	24254	24660	24390
Bremer	22813	25600	27267	28834	23720	24350
Buchanan	20844	25000	26255	28363	20790	20660
Buena Vista	19965	21600	20366	20344	20450	20690
Butler	15731	17000	17986	18309	15080	14560
Calhoun	11508	12400	11175	10241	10800	10160
Carroll	21423	23900	24349	25303	21740	21810
Cass	15128	1 <i>7</i> 500	16171	15945	14560	14190
Cedar	17381	18000	20385	21510	17300	17330
Cerro Gordo	46733	47400	47430	47343	47720	48090
Cherokee	14098	15300	14670	14069	12600	11560
Chickasaw	13295	15000	16644	17436	13360	13310
Clarke	8287	10000	9273	9708	9800	12800
Clay	17585	18000	16851	15774	17650	17720
Clayton	19054	21200	23522	25058	17860	16890
Clinton	51040	57400	50755	48270	48700	46800
Crawford	16775	21200	21570	23227	16020	15680
Dallas	29755	28900	33453	35933	30610	32140
Davis	8312	10400	10249	10971	7530	7190
Decatur	8338	8600	7546	6683	8040	7840
Delaware	18035	20400	24373	27900	17200	16380
Des Moines	42614	43300	41473	39644	41830	40790
Dickinson	14909	15800	15231	15170	16670	18100
)ubuque	86403	92300	93871	94771	82390	78060
immet	11569	13400	10642	9591	10730	10050
ayette	21843	23900	23239	22388	20650	20090
loyd	17058	18300	18667	18381	16010	
ranklin	11364	11500	12140	11820		15290
remont	8226	9000	8164	7675	10850	10590
Greene	10045	11400	10159		7950	7770
Grundy	12029	13000		9384	9400	9010
Guthrie	10935	10600	11929	10967	11640	11510
iamilton	16071		10508	9928	10310	10100
lancock		17200	15511	14583	16030	15790
lardin	12638	13700	15004	15765	12890	12990
iardin Iarrison	19094	21000	20608	20226	18340	18060
lenry	14730	16000	16297	16417	13830	13270
ienry ioward	19226	17700	18755	18854	22510	28020
	9809 1075 (10900	11850	12344	9710	9500
iumboldt de	10756	11600	11673	11498	10580	10520
da	8365	8200	9176	9396	8310	8220
OWA	14630	15000	14249	13816	14420	14300
lackson	19950	22900	24089	25146	18320	16900
lasper	34795	35100	35532	35407	34820	35160

Table 1. Residents, 1990, and Projected Residents, 2000-2010, in Iowa Counties (continued).

	Census	State Demographer	Iowa Dept. of	Transportation	Woods and Poo	ole Economics
County	1990	2000	2000	2010	2000	2010
Jefferson	16310	16200	16802	17202	18870	22540
Johnson	96119	93700	85239	87833	107180	117710
Jones	19444	20400	22355	23609	18780	18540
Keokuk	11624	11900	11700	11233	10770	10570
Kossuth	18591	21600	20284	19700	18160	18040
Lee	38687	42800	39782	38558	36660	35070
Linn	168767	167400	166693	166645	178140	191390
Louisa	11592	13300	13073	13735	11880	13270
Lucas	9070	10800	9808	9650	8980	9000
Lyon	11952	12700	14196	15027	11620	11490
Madison	12483	12800	13454	14028	12780	13170
Mahaska	21522	22200	22957	23207	21500	21670
Marion	30001	32500	33809	36412	34950	41760
Marshall	38276	44600	40034	39598	38110	38400
Mills	13202	15600	15116	16194	13640	14250
	10928	11300	10695	10050	10790	10500
Mitchell	10034	10700	9470	8599	9320	8870
Monona						
Monroe	8114	8900	7938	7436	7870	7710
Montgomery	12076	12200	12236	11791	11840	11750
Muscatine	39907	51000	49121	54622	43600	46960
O'Brien	15444	17100	16448	16336	15130	15000
Osceol a	7267	7800	7587	7287	6840	6550
Page	16870	18500	16017	14813	15530	15130
Palo Alto	10669	12100	10765	9991	9990	9530
Plymouth	23388	24000	24589	24732	23550	23600
Pocahontas	9525	10500	10300	9891	9090	8900
Polk	327140	326900	322322	335310	368220	407090
Pottawattamie	82628	93700	94722	99971	82110	82530
Poweshiek	19033	17800	17947	17458	21460	25100
Ringgold	5420	5600	5487	5245	5200	5040
Sac	12324	12900	11496	10466	11860	11340
Scott	150979	176000	162060	164542	160390	169250
Shelby	13230	14300	15789	16319	12680	12290
Sioux	29903	32500	37989	42558	31030	31920
Story	74252	78500	71015	70996	81230	90470
Tama	17419	18800	19649	19883	16830	16470
Taylor	7114	8300	8020	7928	6580	6360
Union	12750	14400	12155	11485	12600	12590
Van Buren	7676	8500	8408	8375	7260	7130
Wapello	35687	36800	35955	34290	35150	35050
Warren	36033	37800	43247	48586	39240	43170
Washington	19612	20600	20653	21100	19860	20210
Wayne	7067	7800	6258	5516	6970	6940
Webster						
Winnebago	40342	42900	36085	32262	38110 12710	36330
	12122	11300	13409	13734	12310	12360
Winneshiek Unadhum	20847	22900	26686	29736	21650	22280
Woodbury	98276	105500	97898	97297	93920	88960
Worth	7991	8100	8679	8563	7670	<i>7</i> 320
Wright 	14269	15700	14088	13207	14580	14740
State of Iowa	2776755	2965000	2899700	2929721	2837850	2924770

Housing Units in Iowa's Counties: 1940-1990

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

A housing unit, as defined by the U.S. Bureau of the Census, is a house, an apartment, a group of rooms, or a single room occupied or intended for occupancy as separate living quarters. Housing units in lowa increased steadily since 1940 (Tables 1, 2). The gain over 50 years totaled 417,000 or more than half (+57.4%) again as many units as existed in 1940. The total reached 1,143,669 in 1990, which was an increase of 12,370 (+1.1%) from the 1,131,299 reported in 1980. The greatest jump occurred between 1970 and 1980, when lowa gained more than 167,000 housing units (+17.3%). Only the 1960-1970 period (+6.5%) joined the 1980s with increases under 10%.

Most housing units in lowa are intended for year-round use and most are occupied. Indeed, over 96% of all units were occupied in 1940 and 1950, although this dropped to about 93% in more recent decades. Seasonally vacant housing units, which are intended for occupancy during only certain seasons of the year, include housing for recreational use, those offered to vacationers, and those held for other reasons, including migratory workers. Seasonal units increased from less than 1,900 in 1940 to more than 15,900 in 1960; fewer were counted in 1970 (9,100), 1980 (10,100), and 1990 (14,600).

In 1990, 70.0% of all occupied housing units were lived in by their owners (Table 3). This was a decrease from 1980, when 71.8% of the units were occupied by owners. This hasn't varied extensively since 1960 (69.1%); it was substantially less in 1940 (51.5%), however. The two largest increases in owner-occupied units occurred from 1940 to 1950 (+133,349, +36.9%) and from 1970 to 1980 (+113,847, +17.7%).

Occupied Housing Units in Counties

The number of occupied housing units varied from fewer than 5,000 in 37 counties to more than 15,000 in 13 others in 1990. Only Adams and Ringgold counties had fewer than 2,500 occupied units. Polk's 129,237 was nearly twice the number in the county with the next highest total (Linn, 65,501). Increases in the number of these units occurred in 29 counties from 1980 to 1990. Gains topped 1,000 in five (Johnson, Linn, Polk, Story, Warren), while declines ranged from less than 100 in six counties to more than 500 in 10 others. The only decrease greater than 1,000 was in Black Hawk (-1,273).

In the decade of the 1970s, the number of occupied housing units increased in all counties, with the largest gains in Linn (+10,915), Polk (+21,402), and Scott (+12,655). In percentage terms, however, Dickinson (+39.2%), Johnson (+34.4%), and Warren (+43.7%) were the only counties that grew by at least a third.

Twenty-three counties had increasing numbers of occupied housing units at each census from 1940 through 1990. Four of these (Johnson, Linn, Polk, Story) had gains greater than 1,000 each decade. When 1940 and 1990 were compared, 79 counties had more occupied housing units in the more recent census. Increases of 10,000 or more took place in eight counties.

Declines in the number of occupied housing units were reported in 18 counties in the decade of the 1940s, 37 for the 1950-1960 period, and 48 from 1960 to 1970. All counties gained occupied housing units from 1970 to 1980, but 70 reported losses for the decade of the 1980s. The number of occupied housing units dropped by at least 500 between 1940 and 1990 in 12 counties.

Table 1. Housing Units in Iowa Counties, 1970-1990.

			1990					1980					1970		
County	Total	Year Round	Vacant: Seasonal	Occupied	Owner Occupied	Total	Year Round	Vacant: Seasonal	Occupied	Owner Occupied	Total	Year Round	Vacant: Seasonal	Occupied	Owner Occupied
				•		 -				<u> </u>				<u> </u>	
Adair	3714	3701	13	3419	2514	3963	3958	5	3615	2753	3645	3640	5	3301	2548
Adams	2234	2223	11	2005	1454	2478	2472	6	2216	1703	2381	2377	4	2184	1637
Allamakee	6603	5601	1002	5268	3993	6578	5718	860	5215	4011	5233	5051	182	4542	3522
Appanoose	6402	6198	204	5609	4177	6706	6602	104	6011	4565	6120	6097	23	5355	4155
Audubon	3247	3239	8	2936	2233	3524	3518	6	3192	2458	3394	3394	0	3147	2407
Benton	9125	9006	119	85 18	6368	9090	9086	4	8561	6523	7925	7900	25	7357	5483
Black Hawk	49688	49556	132	46932	31593	50290	50170	120	48205	34441	41513	41257	256	39638	29085
Boone	10371	10335	36	9827	7064	10427	10408	19	9731	7208	9186	9168	18	8649	6371
Bremer	8847	8829	18	8394	6298	8811	8798	13	8454	6585	7220	7210	10	6861	5282
Buchanan	8272	7990	282	7506	5630	8222	8118	104	7672	5982	7049	6693	356	6355	4883
Buena Vista	8140	8104	36	7515	5098	8198	8145	53	7673	5461	7242	7230	12	6789	4711
Butler	6483	6455	28	6036	4685	6779	6766	13	6356	5037	5850	5820	30	5520	4190
Calhoun	5362	5132	230	4684	3358	5782	5518	264	5113	3766	5580	5341	239	4826	3427
Carroll	8356	8339	17	7964	5844	8379	8355	24	7869	5816	7213	7213	0	6780	4926
Cass	6788	6759	29	6177	4434	7025	7016	9	6524	4748	6440	6423	17	5933	4218
Cedar	7146	7027	119	6684	4885	7312	7178	134	6771	4918	6064	5976	88	5661	4048
Cerro Gordo	20954	20105	849	19061	13114	20931	20475	456	18694	13391	17920	17214	706	16279	11578
Cherokee	5973	5959	14	5514	3906	6475	6472	3	5999	4261	5889	5884	5	5497	3746
Chickasaw	5486	5455	31	5040	3950	5701	5691	10	5359	4244	4792	4784	8	4498	3491
Clarke	3599	3576	23	3343	2419	3715	3694	21	3356	2554	2988	2980	8	2706	2108
Clay	7659	<i>7</i> 565	94	7074	4623	8043	7906	137	7377	50 93	6663	6627	36	6096	4027
Clayton	8344	7735	609	7218	5409	8557	8089	468	7487	5673	7450	7329	121	6552	5124
linton	21296	21120	176	19757	14061	21370	21313	57	20345	14970	18747	18626	121	17707	13012
rawford	6920	6910	10	6397	4573	7094	7087	7	6661	4982	6436	6427	9	6031	4264
allas	11812	11796	16	11204	8332	11555	11538	17	10688	8077	9146	9126	20	8603	6222
avis	3365	3340	25	3093	2400	3579	3546	33	3278	2564	3066	3046	20	2791	2211
		3648	44	3207	2272	3974	3958	16	3458	2565	3624	3617	7	3198	2402
ecatur	3692														
elaware	7408	6813	595	6389	4838	6542	6529	13	6219	4839	6261	5700	561	5327	4009
es Moines	18248	17995	253	16874	12279	18567	18382	185	17350	12746	16893	16733	160	15693	
ickinson	9723	6645	3078	6160	4667	10187	7208	2979	6033	4604	8366	5043	3323	4335	3136
ubuque	32053	31908	145	30799	21931	31506	31436	70	30021	21655	25280	25250	30	24279	
mmet	4914	4860	54	4461	3210	5268	5223	45	4844	3556	4676	4629	47	4325	3099
ayett e	9262	9221	41	8490	6315	9721	9708	13	9093	7112	8967	8946	21	8364	6554

Table 1. Housing Units in Iowa Counties, 1970-1990 (continued).

			1990					1980					1970		
County	Total	Year Round	Vacant: Seasonal	Occupi ed	Owner Occupied	Total	Year Round	Vacant: Seasonal	Occupi ed	Owner Occupied	Total	Year Round	Vacant: Seasonal	0ccupied	Owner Occupied
Floyd	7233	7166	67	6721	4921	7587	7570	17	7084	5485	6882	6852	30	6392	4852
Franklin	5018	4991	27	4579	3296	5421	5408	13	5010	3632	4999	4981	18	4571	3251
Fremont	3607	3570	37	3217	2327	4016	3999	17	3588	2568	3454	3454	0	3237	2229
Greene	4707	4687	20	4195	3007	5020	5004	16	4682	3385	4798	4798	0	4403	3052
Grundy	5158	5132	26	4776	3553	5480	5471	9	5228	3934	4868	4854	14	4653	3302
Guthrie	5179	4928	251	4407	3328	5287	5195	92	4572	3458	4766	4736	30	4224	3169
Hamilton	6879	6868	11	6358	4515	7144	7123	21	6623	4834	6605	6589	16	6159	4159
Hancock	5236	5223	13	4867	3551	5410	5379	31	5002	3766	4717	4695	22	4339	3084
Hardin	8419	8361	58	7611	5476	8799	8776	23	8161	6023	8056	8052	4	7458	5413
Harrison	6175	6086	89	5656	4212	6357	6351	6	5957	4406	5793	5784	9	5415	3883
Henry	7507	7464	43	7089	5212	7241	7205	36	6707	5120	6430	6391	39	5917	4386
Howard	4155	4125	30	3856	3008	4271	4270	1	4012	3159	3925	3905	20	3627	2946
Humbol dt	4670	4652	18	4339	3159	5017	4995	22	4620	3411	4325	4325	0	4002	2829
Ida	3473	3466	7	3222	2309	3634	3624	10	3369	2436	3250	3246	4	3031	2149
Iowa	6003	5990	13	5713	4349	5872	5859	13	5598	4253	5231	5219	12	4965	3778
Jackson	8426	7970	456	7527	5551	8564	8122	442	7632	5784	6868	6709	159	6270	4693
Jasper	14338	14234	104	13632	10172	14447	14315	132	13564	10140	12255	12238	17	11609	8561
Jefferson	6739	6707	32	6309	4205	6034	6031	3	5716	4239	5738	5734	4	5257	3716
Johnson	37210	37108	102	36067	18999	31583	31499	84	30220	16335	23654	23587	67	22491	11691
Jones	7366	7302	64	6917	5090	7349	7321	28	6931	5234	6249	6234	15	5949	4414
Keokuk	5024	4990	34	4573	3566	5398	5388	10	4884	3899	5242	5234	8	4695	3810
Kossuth	7765	7757	8	7194	5256	8243	8233	10	7806	5639	7386	7386	0	6926	4821
Lee	16443	16324	119	14936	11061	16684	16609	75	15618	11673	14890	14826	64	13953	10480
Linn	68357	67969	388	65501	46140	64778	64631	147	61770	44025	54137	53903	234	50855	36552
Louisa	5044	4633	411	4296	3200	4828	4491	337	4218	3274	3970	3808	162	3456	2640
ucas	4179	4129	50	3766	2799	4503	4472	31	4045	3085	4014	4010	4	3582	2745
Lyon	4561	4557	4	4289	3308	4776	4768	8	4488	3385	4363	4358	5	4090	2948
ladi son	4995	4964	31	4715	3466	4967	4938	29	4575	3494	4245	4230	15	3963	2950
4ahaska	8977	8852	125	8306	5815	9323	9224	99	8611	6206	8247	8134	113	7543	5495
Marion	11420	11381	39	10815	7989	11021	10976	45	10322	7743	8594	8576	18	8130	6155
4arshall	15862	15819	43	14890	10596	16338	16330	8	15410	11005	13986	13968	18	13286	9461
4ills	5004	4940	64	4665	3488	4832	4816	16	4537	3422	3922	3917	5	3657	2621
4itchell	4514	4500	14	4253	3328	4735	4717	18	4432	3547	4335	4307	28	4038	3175

Table 1. Housing Units in Iowa Counties, 1970-1990 (continued).

			1990					1980					1970		
County	Total	Year Round	Vacant: Seasonal	0ccupied	Owner Occupied	Total	Year Round	Vacant: Seasonal	Occupi ed	Owner Occupied	Total	Year Round	Vacant: Seasonal	Occupied	Owner Occupied
Monona	4555	4476	79	4098	3039	4877	4844	33	4468	3321	4511	4494	17	4133	2908
Monroe	3740	3549	191	3196	2458	3822	3811	11	3510	2719	3481	3476	5	3168	2435
Montgomery	5363	5344	19	4955	3555	5800	5787	13	5270	3851	4996	4996	0	4621	3284
Muscatine	16044	15671	373	14806	10662	15245	14970	275	14214	10449	12728	12600	128	11840	8400
O'Brien	6476	6464	12	5980	4484	6659	6656	3	6254	4770	6099	6099	0	5669	4156
Osceola	2998	2995	3	2817	2104	3266	3264	2	3050	2299	2958	2954	4	2738	1925
Page	7339	7319	20	6687	4719	8073	8064	9	7317	5041	7128	7128	0	6571	4564
Palo Alto	4826	4661	165	4183	2966	5244	5064	180	4624	3352	4764	4627	137	4098	2966
Plymouth	8806	8780	26	8417	6295	8860	8856	4	8425	6203	7563	7544	19	7167	5034
Pocahontas	4193	4190	3	3820	2838	4661	4658	3	4270	3086	4459	4451	8	4066	2825
Polk	135979	135770	209	129237	84307	122136	122075	61	114817	76856	98325	98268	57	93415	65004
Pottawattamie	32831	32758	73	31262	22226	32419	32319	100	30803	22212	28121	28103	18	26776	19508
Poweshiek	8199	7525	674	7158	5045	8075	7742	333	6865	4886	6694	6363	331	5969	4199
Ringgold	2713	2463	250	2218	1672	2975	2922	53	2409	1871	2781	2739	42	2306	1844
Sac	5648	5355	293	4914	3564	6073	5851	222	5353	3918	5758	5555	203	5080	3575
Scott	61379	61233	146	57438	38115	59764	59683	81	56677	38028	46397	46346	51	44022	30170
Shelby	5430	5417	13	5024	3709	5611	5606	5	5218	3831	4953	4946	7	4631	3363
Sioux	10333	10313	20	9925	7762	10414	10410	4	9915	7788	8412	8406	6	8030	6128
Story	26847	26793	54	25941	14515	25154	25146	8	23665	13812	19062	19047	15	18296	10804
Tema	7417	7385	32	6768	5092	7716	7673	43	7086	5423	7115	7061	54	6553	4903
Taylor	3307	3279	28	2859	2160	3682	3676	6	3284	2505	3551	3551	0	3223	2573
Union	5622	5590	32	5173	3555	5748	5708	40	5314	3973	5184	5176	8	4774	3575
Van Buren	3529	3400	129	3056	2375	3484	3455	29	3195	2570	3426	3396	30	3025	2496
√apello	15640	15430	210	14555	10997	16350	16239	111	15436	12039	15478	15393	85	14352	10945
Jarren	13157	13127	30	12659	9728	12177	12148	29	11513	9062	8425	8413	12	8012	6396
ashington	7866	7829	37	7454	5349	7693	7678	15	7213	5400	6634	6620	14	6136	4491
layne	3334	3281	53	2953	2237	3852	3808	44	3315	2585	3499	3495	4	3137	2513
lebster .	17063	17020	43	15963	11000	17799	17779	20	16886	11855	16314	16301	13	15282	10447
Jinnebago	5030	5009	21	4704	3508	5251	5236	15	4845	3623	4526	4506	20	4224	3068
linneshiek	7726	7699	27	<i>7</i> 256	5153	7420	7394	26	7063	5160	6434	6421	13	6058	4604
loodbury	39071	38996	75	36899	25280	39022	39004	18	36632	25993	35127	35072	55	32834	22816
Jorth	3443	3424	19	3239	2470	3724	3720	4	3452	2686	3334	3330	4	3039	2272
dright	6636	6490	146	5899	4259	6945	6762	183	6243	4490	6410	6307	103	5744	4015
State of Iowa	1143669	1129025	14644	1064325	745377	1131299	1121199	10100	1053033	756517	964060	954975	9085	896311	642670

Table 2. Housing Units in Iowa Counties, 1940-1960.

			1960				1950				1940	
County	Total	Vacant: Seasonal	Occupied	Owner Occupied	Total	Vacant: Seasonal	Occupied	Owner Occupied	Total	Vacant: Seasonal	Occupied	Owner Occupied
Adair	3978	75	3614	2611	4032	22	3871	2527	3889	0	3763	1912
Adams	2733	24	2422	1710	2924	11	2789	1746	3114	1	2930	1482
Allamakee	5027	246	4546	3289	4880	75	4577	3143	4688	7	4500	2793
Appanoose	6391	222	5583	4301	6930	36	6339	4531	7223	3	6975	3912
Audubon	3668	65	3373	2391	3638	5	3508	2236	3311	1	3225	1627
Benton	7744	136	7215	4940	7170	62	6887	4332	6584	5	6435	3564
Black Hawk	37347	383	35498	26177	29938	118	29189	18984	23053	27	22621	12222
Boone	9133	119	8493	5915	8709	72	8375	5315	8194	10	7917	4291
Bremer	6448	63	6116	4404	5645	24	5534	3538	5056	2	4962	2834
Buchanan	6647	254	6029	4291	6137	159	5767	3740	5542	61	5348	2865
Buena Vista	7145	39	6644	4294	6606	43	6460	3868	5651	2	5483	2702
Butler	5776	110	5408	3684	5430	10	5293	3265	5074	5	4983	2610
Calhoun	5705	311	5034	3285	5480	155	5164	3100	5058	63	4864	2452
Carroil	6991	53	6635	4447	6541	7	6380	3826	5815	0	5697	2955
Cass	6438	40	5996	3924	6120	15	5945	3595	5680	3	5465	2676
Cedar	5930	120	5504	3677	5415	39	5229	3268	4929	1	4845	2581
Cerro Gordo	17068	872	15347	10730	14624	613	13667	8505	12766	401	11693	5528
Cherok ee	5648	73	5304	3255	5186	2	5072	2871	4670	1	4606	210
Chickasaw	4633	43	4317	3224	4467	8	4332	2900	4201	8	4110	2330
Clarke	3106	45	2816	2046	3220	15	3036	1977	3204	0	3047	1469
Clay	6285	158	5698	3655	5656	47	5498	3150	5016	7	4902	2242
Clayton	7380	355	6690	4865	7145	138	6704	4403	6957	20	6650	384
Clinton	17293	113	16536	11773	15307	89	14852	9658	12768	18	12443	702
Crawford	6164	97	5668	3751	5869	16	5687	3425	5550	2	5361	262
Dallas	8403	88	7776	5422	7883	26	7574	4911	7388	1	7178	362
Davis	3214	59	2913	2186	3438	13	3116	2154	3394	3	3207	1 <i>7</i> 3.
Decatur	3890	143	3336	2467	4086	42	3765	2579	4174	0	3970	200
Delaware	5878	403	5174	3581	5347	156	5017	3071	5135	51	4903	249
Des Moines	15119	199	14286	10162	13357	28	12989	8392	11144	7	10875	634
Dickinson	7690	3326	3984	2714	6989	2781	3919	2484	5609	721	3294	162
Dubuque	22007	140	21142	14250	19011	74	18574	11014	16268	44	15915	772
Emmet	4762	73	4424	2970	4204	4	4118	2504	3634	0	3548	172
Fayette	9111	93	8533	6295	8596	21	8314	5614	8152	5	7919	450

Table 2. Housing Units in Iowa Counties, 1940-1960 (continued).

			1960				1950				1940	
County	Total	Vacant: Seasonal	Occupied	Ouner Occupied	Total	Vacant: Seasonal	Occupied	Owner Occupied	Total	Vacant: Seasonal	0ccupied	Owner Occupied
		7/	(52)	1447	6622	27	6408	4080	5839	5	F.70.	•
Floyd	6904 526 8	76 44	6524 4 88 4	4663 3129	5043	16	4907	2846	4538	2	5706 4446	2987
Franklin	3830	92	3395	2224	4237	15	3903	2293	4364	2	4143	2184 1879
Fremont Greene	5235	63	4730	3000	4998	32	4798	2854	4840	3	4725	2330
Grundy	4 <i>6</i> 90	43	4461	2894	4308	5	4218	2386	3727	2	3703	1903
Grundy Guthrie	4981	58	4483	3176	5126	29	4829	3183	5059	4	4889	2519
Hamilton	6708	106	6292	4017	6221	16	6013	3595	5494	0	5380	2750
Hancock	4712	96	4394	2922	4478	26	4340	2620	4025	4	3965	2025
Hardin	7942	169	7365	4952	7353	59	7085	4353	6451	0	6301	3301
Harrison	6067	97	5519	3794	6256	29	5881	3748	6536	1		2743
Henry	6135	106	5506	3832	5598	13	5330	3514	5028	5		2707
Howard	4065	59	3763	2810	3905	3	3738	2534	3673	2	3592	1992
Humboldt	4307	103	3981	2693	3999	13	3874	2371	3620	0	3565	1911
Ida	3483	20	3276	2142	3333	4	3299	1887	3073	0	3024	1384
lowa	5268	33	4950	3610	4832	26	4672	3072	4762	3	4662	2610
Jackson	6522	222	6077	4277	5776	43	5487	3674	5393	2	5198	3113
Jasper	11753	143	11050	7802	10105	31	9793	6387	9179	2	8847	4555
Jefferson	5506	97	4958	3486	5193	43	4912	3251	4808	6	4641	2434
Johnson	15802	174	15071	8889	11978	43	11761	6561	9623	10	9356	4841
iones	6136	51	5874	3955	5653	19	5427	3203	5237	2	5144	2779
(eokuk	5659	126	4975	3773	5831	53	5410	3828	5725	0	5520	3382
Cossuth	7598	22	7186	4577	7287	10	7145	4225	6587	2	6511	3162
.ee	14391	176	13372	9727	13441	75	12935	8634	12045	15	11425	6187
.inn	43825	440	42223	29911	32753	295	31821	20981	27156	24	26378	14290
ouisa.	3730	270	3215	2187	3717	126	3389	2179	3419	11	3265	1673
.ucas	4075	152	3699	2722	4210	16	3963	2700	4363	10	4187	2146
.yon	4397	26	4190	2658	4171	16	4098	2348	3811	(3772	1745
ladi son	4406	39	3996	2838	4418	50	4145	2763	4423	4	4215	2136
lahaska	8349	162	7639	5309	8211	32	7938	5114	7929	, ,	7696	4114
larion	8274	91	7733	5506	7866	23	7517	4964	7477	, ,	7299	3839
larshall	12616	144	11951	8163	11017	22	10765	6709	9914		970	4885
lills	3949	105	3612	2315	3871	9	3625	2201	3866	1	366	2 1764
Mitchell	4410	56	4153	3036	4247	14	4110	2760	3969	, ,	3833	3 2177

Table 2. Housing Units in lowa Counties, 1940-1960 (continued).

			1960				1950				1940	
County	Total	Vacant : Seasonal	Occupied	Owner Occupied	Total	Vacant: Seasonal	0ccupied	Owner Occupied	Total	Vacant: Seasonal	Occupied	Owner Occupied
Korona	5000			::::::::::::::::::::::::::::::::::::::		43	4827	2843	5065	11	4861	2202
Monroe	3599	138	3289	2412	3943	45	3577	2471	4127	6	3964	2135
Montgomery	5334	64	4892	3267	5165	16	5028	3104	4778	0	4606	2324
Muscatine	11815	413	10862	7157	10395	66	10024	6171	9572	16	9259	4776
O'Brien	6163	56	5823	3880	5784	12	5685	3460	5230	0	5185	2578
Osceol a	3176	31	2969	1913	2984	4	2922	1714	2706	0	2689	1293
Page	7448	67	6761	4417	7421	5	7127	4166	6963	2	6678	3279
Palo Alto	4763	162	4220	2762	4487	35	4369	2583	4071	0	4009	1949
Plymouth	7218	84	6815	4356	6699	7	6529	3780	6145	2	6001	2805
Pocahontas	4673	75	4241	2781	4612	28	4454	2641	4263	0	4204	2055
Polk	89084	185	84352	59661	72099	169	70128	46783	58444	20	56516	28985
Pottawattamie	26247	131	24896	17939	21268	72	20620	14208	19320	24	18471	9372
Poweshiek	6212	46	5769	3904	5701	13	5531	3470	5527	1	5368	2779
Ringgold	3063	116	2638	1957	3259	30	3047	2165	3426	2	3264	1589
Sac	5909	290	5284	3396	5563	189	5236	3236	5001	16	4763	2400
Scott	37060	218	35648	23629	30094	140	29440	17261	24773	85	24166	11185
Shelby	4860	59	4488	5985	4613	18	4478	2688	4366	4	4255	2121
Sioux	7870	36	7465	5140	7417	5	7297	4534	6749	0	6647	3383
Story	14978	84	14195	8449	12643	43	12295	6917	9406	4	9286	4886
T arma	7180	89	6716	4730	6926	35	6681	4344	6354	2	6237	3622
Taylor	4097	120	3499	2676	4294	28	4065	2850	4400	3	4176	2138
Union	5 166	86	4652	3323	5206	31	5001	3329	5009	17	4848	2491
Van Buren	3751	157	3242	2530	3934	4	3614	2649	3933	3	3702	2134
Wapello	15874	183	14659	11052	15152	76	14558	9825	13207	9	12834	7191
Warren	6645	71	6125	4654	5634	28	5326	3637	5334	2	5110	2691
wash ington	6535	50	6035	4202	6341	10	6037	3900	5968	5	5746	3213
Vayrie	3995	88	3471	2613	4250	24	3943	2820	4243	0	4016	2120
Webster	15848	83	14947	9861	13298	32	13051	7831	11618	4	11374	5507
Winnebago	4271	32	4010	2775	3906	4	3816	2480	3609	0	3555	1782
Wirmeshiek	6309	60	5951	4296	6166	45	5869	3951	5942	4	5807	3507
Woodbury	35421	185	33243	21988	31945	34	31253	18985	29630	5	28394	11943
Worth	3353	15	3116	2167	3295	15	3208	2080	3055	3	3006	1548
Wright	6633	121	6102	3923	6540	73	6054	3506	5576	1	5442	2623
State of Iowa	905295	15940	841357	581352	811912	7538	780167	494826	726654	1869	701824	361477

Owner-Occupied Housing Units in Counties

Owners lived in at least 75% of the occupied housing units in 26 counties in 1990 (Table 3). This was down somewhat from the figures for 1980 (46 counties) or 1970 (34 counties). Two counties (Johnson, 52.7%; Story, 56.0%) with large numbers of university students had relatively low percentages of their units occupied by owners in 1990. Few other counties were within 10 percentage points of these figures.

The percentage of owner-occupied housing units increased in all counties in the decades of the 1940s and the 1950s, although it declined in four counties from 1960 to 1970. Decreases in the percentage of owner-occupied units expanded in the 1970s; 30 counties had lower figures in 1980 than in 1970. From 1980 to 1990, 88 counties had declines in the percentage of owner-occupied units. The increases or decreases among percentages in the 1960s, 1970s, and 1980s tended to be relatively small, however.

Seasonally Vacant Housing Units in Counties

More than a quarter (27.9%) of all housing units used for seasonal purposes in Iowa were located in two counties (Allamakee, Dickinson) in 1990. Only four others (Cerro Gordo, Clayton, Delaware, Poweshiek) had at least 500 of these units. Seventy-six counties reported more housing units used for seasonal purposes in 1990 than in 1980; increases ranged from more than 100 in 13 counties to less than 10 in 18 others. Among the 21 counties with fewer seasonal units in 1990 than in 1980, declines never were greater than 50; they dropped by less than 10 units in 10 counties.

In the 1970s, increases occurred in 62 counties. Two (Adair, Worth) had the same number of seasonal units in 1970 and 1980, while the remaining 35 had fewer at the end of the decade than at the beginning.

Note: These data are from the decennial censuses for Iowa as reported by the U.S. Bureau of the Census. The figures for 1990 are from a census bureau computer tape (Summary Tape File 1A). Publications released later may report slightly revised numbers for 1990; the bureau updates figures if it determines that errors were made on earlier tapes or publications.

Births, Deaths, and Natural Change in Iowa's Counties: 1980-1990

Willis Goudy, Iowa State University Sandra Charvat Burke, Iowa State University Michael Dare, Iowa Department of Public Health

The lowa Department of Public Health annually records vital statistics for lowa and its counties. Data for 1990 recently were released for births and deaths. 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

lowa had 414 more births in 1990 than in 1989 (Table 1). That was the third consecutive increase. However, 8,467 fewer births occurred in 1990 than in 1980. A drop of 2,434 births took place between 1985 and 1986; this was the greatest decline between adjacent years.

Comparison of the most recent years indicates that 51 counties had more births in 1990 than in 1989, 45 had fewer births in the more recent year, and three (Appanoose, Cass, Poweshiek) had the same number both years. Increases in the number of births ranged from less than 10 in 16 counties to at least 50 in seven others (Dubuque, Johnson, Linn, Pottawattamie, Scott, Story, Woodbury). The greatest increases occurred in Linn (+134) and Woodbury (+135). Declines ranged from less than 10 in 19 counties to at least 40 in three others (Ida, -43; Palo Alto, -45; Polk, -178).

Only two counties (Johnson, +130; Polk, +280) had more births in 1990 than in 1960, indicating that most areas of lower reflected the state's trend. In five counties (Black Hawk, Clinton, Dubuque, Scott, Sioux), there were at least 200 fewer births in 1990 than in 1980, led by a drop of 683 in Black Hawk. In 22 other counties, there were from 100 to 199 fewer births in 1990 than in 1980, while 37 counties had from 50 to 99 fewer births at the end than at the beginning of the period.

Ceaths

The number of deaths in lowa has fluctuated much less than the number of births. Deaths in 1960 outnumbered those in 1990 by 281 (Table 2). The change between adjacent years never varied by more than 838 (1984-1985) and decreased about as frequently as it increased from one year to the next. Most recently, deaths decreased by 332 between 1989 and 1990.

A total of 47 counties had fewer deaths in 1990 than the previous year. The decline was less than 10 in eight counties. Thirty-nine counties had at least 10 fewer deaths in 1990 than in 1989, although only three (Calhoun, -54; Linn, -51; Scott, -113) had at least 50 fewer deaths during the more recent year. The remaining 52 counties had more deaths in 1990 than in 1989. Seventeen had less than 10 more deaths in the more recent year, and only one (Black Hawk, +76) increased by at least 40 deaths between 1989 and 1990.

Table 1. Births in Iowa Counties, 1980-1990.

County	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	102	109	86	94	111	122	114	115	143	125	166
Adams	60	70	74	63	55	73	73	64	80	64	94
Allamakee	177	214	201	202	210	219	219	220	237	249	252
Appanoose	166	166	167	162	180	188	197	194	184	229	241
Audubon	91	83	82	95	89	111	135	120	119	112	151
Benton	318	292	286	283	295	309	328	291	307	349	414
Black Hawk	1699	1687	1628	1621	1739	1947	2093	2096	2245	2332	2382
Boone	329	309	347	318	295	326	333	347	367	384	395
Bremer	242	256	233	242	267	297	306	320	367	398	417
Buchanan	302	336	310	325	287	367	381	393	454	448	447
Buena Vista	287	253	302	263	294	314	290	302	313	344	322
Butler	184	180	189	179	209	201	242	259	255	236	284
Calhoun	130	124	111	145	152	149	140	171	196	170	204
Carroli	320	292	312	338	361	373	384	416	384	416	436
Cass	192	192	190	163	204	200	255	228	254	286	241
Cedar	221	224	197	189	195	251	253	259	266	285	260
Cerro Gordo	686	657	623	625	656	725	679	709	714	720	728
Cherokee	200	177	169	166	211	199	207	229	231	245	238
Chickasaw	199	182	170	154	201	177	224	224	265	260	258
Clarke	106	121	112	114	109	116	104	112	136	122	126
Clay	239	260	222	237	243	270	260	305	357	314	347
Clayton	242	262	234	250	256	298	282	306	327	364	343
Clinton	685	674	676	689	707	<i>7</i> 53	788	775	855	882	920
Crawford	228	204	256	277	247	263	256	323	294	300	321
Dallas	409	445	384	423	391	402	454	461	428	432	466
Davis	128	116	115	110	124	134	128	148	137	149	149
Decatur	91	99	98	110	95	106	112	107	136	125	129
Delaware	285	264	290	284	281	320	311	341	362	331	401
Des Moines	568	582	560	540	518	670	650	657	670	742	767
Dickinson	160	158	147	175	165	177	195	178	227	199	229
Dubuque	1260	1184	1192	1253	1199	1278	1362	1375	1447	1542	1584
Emmet	134	121	139	144	139	159	160	196	200	214	227
Fayette	289	279	297	263	278	298	357	362	404	380	405
Floyd	219	220	197	208	213	236	241	285	250	276	259
Franklin	124	132	136	139	148	173	193	165	176	191	195
Fremont	100	98	103	103	124	116	117	124	117	132	131
Greene	108	104	117	138	127	147	172	169	165	196	182
Grundy	146	138	142	121	148	143	170	187	167	182	227
Guthrie	122	111	117	104	115	119	156	144	149	160	179
Hamilton	209	213	199	198	243	199	254	235	219	259	257
Hancock	164	167	159	165	189	190	212	191	233	217	252
Hardin	213	214	224	218	233	270	283	311	324	318	348
Harrison	187	191	192	225	230	227	217	200	217	221	254
Henry	265	224	248	236	250	238	264	260	270	278	303
Howard	135	126	111	146	141	137	161	163	169	158	184
Humboldt	112	136	143	138	149	163	186	178	189	191	188
I da	107	150	122	112	118	135	148	146	117	159	148
i owa	213	236	178	179	215	182	216	217	216	230	229
Jackson	252	255	275	290	282	345	325	349	357	371	370
Jasper	432	461	446	438	418	472	462	440	524	506	530

Table 1. Births in Iowa Counties, 1980-1990 (continued).

County	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Jefferson	192	202	208	178	218	222	224	233	209	210	217
Johnson	1406	1297	1330	1285	1278	1326	1306	1254	1299	1350	1276
iones	251	236	240	216	220	290	262	275	280	272	323
(eokuk	150	152	160	147	137	157	185	185	166	199	223
(ossuth	251	240	245	249	265	262	295	350	344	332	397
.ee	496	492	509	544	526	589	582	596	623	663	693
.imn	2641	2507	2465	2373	2345	2450	2499	2479	2642	2567	2826
Louisa	163	149	141	167	144	145	161	172	178	201	172
ucas	116	93	111	101	113	110	132	115	164	135	170
Lyon	178	167	183	176	160	183	194	207	214	238	236
ladison	158	167	161	138	140	164	154	150	158	155	197
Mahaska	285	316	295	296	326	318	325	339	342	331	400
Marion	374	398	363	405	368	439	403	434	463	439	449
Marshall	502	488	488	455	520	555	588	622	617	654	673
Mills	136	168	154	173	171	167	192	173	174	212	225
Mitchell	131	127	137	133	147	148	149	173	154	171	196
Monona	114	113	105	110	129	105	140	176	157	161	179
Monroe	116	96	88	107	104	109	122	120	111	135	133
Montgomery	158	150	148	153	136	152	179	189	183	187	205
Muscatine	665	682	615	560	635	632	635	709	754	732	714
O'Brien	184	195	173	184	206	213	235	263	274	287	279
Osceola	94	100	104	87	88	107	105	131	124	127	137
Page	200	220	209	189	183	235	204	226	237	266	270
Palo Alto	95	140	133	122	134	181	162	215	184	214	209
Plymouth	346	310	311	353	376	334	409	415	392	455	427
Pocahontas	124	110	135	109	121	167	150	160	150	149	160
Polk	5367	5545	4998	4987	4956	5087	4909	4974	4969	5093	5087
Pottawattamie	1361	1281	1295	1252	1328	1334	1379	1426	1411	1469	1468
Poweshiek	226	226	203	187	223	220	220	244	254	261	247
Ringgold	44	53	56	60	45	78	84	71	107	80	86
Sac	145	153	142	149	153	177	182	175	183	235	235
Scott	2430	2376	2368	2292	2545	2543	2647	2641	2751	2824	2954
Shelby	182	163	170	172	160	171	237	211	240	189	253
Sioux	434	432	471	457	494	511	519	574	560	584	636
Story	927	874	949	933	944	1035	1039	1075	1010	1054	1055
Tame	215	218	207	233	227	250	260	269	285	259	289
Taylor	92	79	73	86	71	91	102	102	133	119	135
Union	148	166	143	152	167	150	165	190	192	226	212
Van Buren	89	93	123	103	94	107	111	111	117	136	126
Wapello	490	484	420	446	467	468	534	480	564	547	597
Warren	479	499	483	487	466	506	489	485	495	514	551
Washington	307	301	280	298	273	269	307	282	290	293	326
layne	83	77	89	75	<i>7</i> 5	96	94	84	93	105	123
Webster	597	605	589	595	574	631	631	671	733	675	760
Winnebago	148	165	164	152	171	162	170	172	178	162	197
dinneshiek	259	269	272	269	288	287	321	321	309	300	327
Hoodbury	1631	1496	1582	1542	1457	1652	1601	1645	1691	1809	1793
orth	99	107	100	98	103	117	115	110	130	129	127
dright	214	191	174	177	171	196	203	206	208	220	247
State of Iowa	39330	38916	38070	37866	38748	41182	42360	43247	44716	45918	47797

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County	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	104	101	103	124	124	103	115	113	104	110	112
Adams	57	70	78	55	61	54	79	66	<i>7</i> 5	67	75
Allamakee	198	189	170	185	191	182	167	175	163	169	189
Appanoose	179	175	191	197	164	221	183	169	168	196	212
Audubon	88	84	115	94	84	112	74	100	117	102	<i>7</i> 5
Benton	197	235	250	235	210	219	213	246	207	213	213
Black Hawk	1142	1066	1114	1080	1034	1081	998	1112	1059	1041	1059
Boone	289	279	321	282	268	281	267	286	321	281	290
Bremer	229	211	238	235	223	207	205	188	186	213	227
Buchanan	185	199	204	183	190	180	211	216	218	171	192
Buena Vista	210	253	240	221	210	260	214	253	217	240	246
Butler	169	197	182	191	209	180	183	191	186	160	166
Calhoun	148	202	174	169	157	211	174	168	173	164	186
Carroll	214	202	210	229	190	216	237	244	252	240	238
Cass	206	225	230	198	222	243	217	213	211	189	210
Cedar	176	166	169	169	174	171	175	176	167	177	177
Cerro Gordo	481	463	474	483	470	468	518	446	477	483	467
Cherokee	171	170	164	177	156	184	168	172	171	172	176
Chickasaw	142	132	133	169	149	150	157	141	116	161	159
Clarke	93	109	99	93	87	111	102	96	83	101	106
Clay	158	182	171	189	199	169	180	165	161	171	186
Clayton	201	227	225	232	236	261	239	228	234	217	235
Clinton	559	556	577	502	555	491	546	604	539	580	534
Crawford	170	160	160	172	201	214	190	197	183	201	179
Dallas	287	274	292	304	268	270	265	267	272	259	262
Davis	100	99	96	89	96	108	86	120	105	118	96
Decatur	106	105	98	105	118	121	91	141	136	99	119
Delaware	171	165	160	153	178	176	184	166	186	169	182
Des Moines	456	493	519	438	495	520	442	422	488	405	466
Dickinson	160	161	179	147	145	162	169	156	172	152	135
Dubuque	840	853	796	782	818	801	822	802	798	847	803
Emmet	134	156	122	132	123	143	151	137	137	133	159
Fayette	257	266	275	269	287	295	277	273	288	290	260
Floyd	203	219	220	178	207	246	182	213	226	198	231
Franklin	120	136	156	157	123	141	151	131	131	135	135
Fremont	104	122	129	143	126	110	131	122	125	122	119
Greene	142	123	159	148	137	159	155	147	135	166	136
Grundy	117	130	148	128	136	139	112	135	147	123	138
Guthrie	142	147	190	165	158	152	153	166	176	149	165
Hamilton	177	194	199	169	173	167	171	195	200	165	162
Hancock	130	111	150	135	125	142	133	144	131	147	159
Hardin	237	231	226	243	263	244	246	230	233	262	243
Harrison	198	177	221	212	173	205	188	190	204	197	205
Nenry	169	209	194	219	185	209	197	180	197	179	207
Howard	124	107	129	153	130	144	146	137	133	139	112
Humboldt	135	99	122	113	125	130	133	119	129	113	136
Ida	115	86	115	115	109	103	101	113	104	99	107
lowa	174	152	169	196	144	162	162	168	178	150	161
Jackson	209	247	225	237	219	229	220	198	220	226	237
Jasper	298	329	361	343	343	329	335	376	310	343	341

Table 2. Deaths in Iowa Counties, 1980-1990 (continued).

County	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Jefferson	153	145	160	162	169	165	171	177	168	168	154
Johnson	429	461	421	452	444	482	444	452	403	392	395
Jones	192	174	194	178	201	184	174	179	172	209	167
Keokuk	165	151	171	152	147	168	169	186	154	189	166
Kossuth	197	189	203	195	206	204	197	220	230	209	217
Lee	398	423	459	435	446	453	387	462	406	458	456
Linn	1237	1288	1288	1269	1307	1245	1181	1287	1222	1227	1271
Louisa	121	103	136	107	119	101	104	109	122	119	110
Lucas	129	139	126	107	114	152	119	125	131	130	115
Lyon	115	128	96	117	137	121	120	120	105	105	134
Madison	156	144	156	141	156	153	143	160	128	140	126
Mahaska	250	243	237	230	261	267	261	248	243	244	233
Marion	329	315	323	276	297	287	308	293	277	297	256
Marshall	485	500	421	458	392	437	417	439	423	412	427
Mills	129	147	123	148	140	138	128	111	144	123	133
Mitchell	148	150	140	166	108	154	161	169	150	138	142
Monona	156	143	153	144	149	177	172	167	159	139	143
Monroe	105	137	104	112	127	113	109	125	117	139	116
Montgomery	181	186	178	175	177	165	195	147	173	151	152
Muscatine	357	377	340	383	341	379	389	3 60	364	359	339
O'Brien	190	182	200	209	159	194	198	195	215	166	198
Osceola	66	78	81	101	97	96	88	99	81	96	105
Page	230	214	235	239	238	256	234	253	243	281	223
Palo Alto	140	139	147	145	140	149	135	149	147	147	148
Plymouth	235	220	215	243	210	246	245	249	244	207	246
Pocahontas	121	132	160	128	114	150	145	131	176	132	169
Polk	2539	2571	2604	2484	2499	2533	2427	2461	2373	2393	2456
Pottawattamie	746	<i>7</i> 31	829	819	747	802	800	772	752	771	786
Powesh i ek	196	195	206	188	199	195	209	175	192	187	192
Ringgold	84	65	71	78	80	88	70	73	74	89	84
Sac	178	177	165	168	172	176	168	178	188	173	147
Scott	1105	1218	1211	1217	1236	1174	1214	1234	1093	1209	1173
Shelby	151	161	163	147	151	155	139	161	146	158	168
Sioux	228	238	255	238	235	278	235	228	234	229	236
Story	415	405	412	411	418	425	357	396	404	361	402
Tame	226	209	176	198	209	232	210	201	187	234	211
Taylor	105	133	98	119	122	98	106	126	127	127	114
Union	167	156	171	175	168	167	166	181	170	174	153
Van Buren	87	118	134	107	116	117	83	123	109	99	119
Wapello	473	459	476	442	506	443	513	488	441	477	498
Warren	283	272	288	242	246	244	261	230	223	217	227
Washington	215	217	212	219	208	235	226	226	186	203	207
Wayne	92	96	104	107	124	138	111	129	. 97	142	128
Webster	451	459	495	490	448	473	468	486	489	489	472
Winnebago	138	125	150	147	119	139	151	137	134	145	133
Winneshiek	219	183	198	182	221	229	207	224	178	188	179
Woodbury	939	956	1017	943	940	950	207 950	970	1013	971	984
Horth	115	936 86	120	102	108	108	103	108	1013	104	
Wright	178	165	187	181	185	199	189	177	196	209	93 208
											

Table 3. Natural Change in lowa Counties, 1980-1990.

County	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	-2	8	-17	-30	-13	19	-1	2	39	15	54
Adams	3	0	-4	8	-6	19	-6	-2	5	-3	19
Allamakee	-21	25	31	17	19	37	52	45	74	80	63
Appanoose	- 13	-9	-24	-35	16	-33	14	25	16	33	29
Audubon	3	-1	-33	1	5	-1	61	20	2	10	76
Benton	121	57	36	48	85	90	115	45	100	136	201
Black Hawk	557	621	514	541	705	866	1095	984	1186	1291	1323
Boone	40	30	26	36	27	45	66	61	46	103	105
Bremer	13	45	-5	7	44	90	101	132	181	185	190
Buchanan	117	137	106	142	97	187	170	177	236	277	255
Buena Vista	77	0	62	42	84	54	76	49	96	104	76
Butler	15	-17	7	-12	0	21	59	68	69	76	118
Calhoun	- 18	-78	-63	-24	-5	-62	-34	3	23	6	18
Carroll	106	90	102	109	171	157	147	172	132	176	198
Cass	-14	-33	-40	-35	- 18	-43	38	15	43	97	31
Cedar	45	58	28	20	21	80	78	83	99	108	83
Cerro Gordo	205	194	149	142	186	257	161	263	237	237	261
Cherokee	29	7	5	-11	55	15	39	57	60	73	62
Chickasaw	57	50	37	-15	52	27	67	83	149	99	99
Clarke	13	12	13	21	22	5	2	16	53	21	20
Clay	81	78	51	48	44	101	80	140	196	143	161
Clayton	41	35	9	18	20	37	43	78	93	147	108
Clinton	126	118	99	187	152	262	242	171	316	302	386
Crawford	58	44	96	105	46	49	66	126	111	99	142
Dallas	122	171	92	119	123	132	189	194	156	173	204
Davis	28	17	19	21	28	26	42	28	32	31	53
Decatur	- 15	-6	0	5	-23	-15	21	-34	0	26	10
Delaware	114	99	130	131	103	144	127	175	176	162	219
Des Moines	112	89	41	102	23	150	208	235	182	337	301
Dickinson	0	-3	-32	28	20	15	26	22	55	337 47	301 94
Dubuque	420	331	396	471	381	477	540	573	649	47 695	
Emme t	0	-35	17	12	16	16	9	59	63	81	781
Fayette	32	13	22	-6	-9	3	80	89	116		68
Floyd	16	1	-23	30	6	-10	59	72	24	90	145
Fr a nklin	4	-4	-20	-18	25	32	42	34		78 5 (28
Fremont	-4	-24	-26	-40	-5	6	-14		45	56	60
Greene	-34	-19	-42	-10	-10	-12	17	2	-8 -70	10	12
Grundy	29	8	-6	-7	12	4	58	22	30	30	46
Guthrie	-20	-36	-73	-61	-43	-33	3	52 22	20	59	89
lamilton	32	19	0	29	70	32		-22	-27	11	14
lancock	34	56	9	30	64	32 48	83 30	40	19	94	95
lardin	-24	-17	-2	-25	-30	26	79 77	47	102	70	93
larrison	-11	14	-29	13	57		37 ~~	81	91	56	105
lenry	96	15	54	17	65	22 29	29 47	10	13	24	49
loward	11	19	-18	-7	11	-7	67	80	73	99	96
iumbol dt	-23	37	21	25	24		15	26	36	19	72
da	-8	64	7	-3	9	33	53	59	60	78	52
ow a	39	84	9	-17	71	32 20	47	33	13	60	41
ackson	43	8	50	53	63	20	54	49	38	80	68
asper	134	132	85	95		116	105	151	137	145	133
•		,		73	75	143	127	64	214	163	189

Table 3. Natural Change in Iowa Counties, 1980-1990 (continued).

County	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Jefferson	39	57	48	16	49	57	53	56	41	42	63
Johnson	977	836	909	833	834	844	862	802	896	958	881
Jones	59	62	46	38	19	106	88	96	108	63	156
Keokuk	- 15	1	-11	-5	- 10	-11	16	-1	12	10	57
Kossuth	54	51	42	54	59	58	98	130	114	123	18 0
Lee	98	69	50	109	80	136	195	134	217	205	237
Linn	1404	1219	1177	1104	1038	1205	1318	1192	1420	1340	1555
Louisa	42	46	5	60	25	44	57	63	56	82	62
Lucas	-13	-46	- 15	-6	-1	-42	13	-10	33	5	55
Lyon	63	39	87	59	23	62	74	87	109	133	102
Madison	2	23	5	-3	-16	11	11	-10	30	15	71
Mahaska	35	<i>7</i> 3	58	66	65	51	64	91	99	87	167
Marion	45	83	40	129	71	152	95	141	186	142	193
Marshall	17	-12	67	-3	128	118	171	183	194	242	246
Mills	7	21	31	25	31	29	64	62	30	89	92
Mitchell	-17	-23	-3	-33	39	-6	- 12	4	4	33	54
Monona	-42	-30	-48	-34	-20	-72	-32	9	-2	22	36
Monroe	11	-41	-16	-5	-23	-4	13	-5	-6	-4	17
	-23	-36	-30	-22	-41	-13	-16	42	10	36	53
Montgomery	308	305	275	177	294	253	246	349	390	373	375
Muscatine					47	19	37	68			
O'Brien	-6	13	-27 27	-25					59	121	81
Osceol a	28	22	23	-14	-9	11	17	32	43	31 45	32
Page	-30	6	-26	-50	-55	-21	-30	-27	-6	-15	47
Palo Alto	-45	1	-14	-23	-6	32	27	66	37	67	61
Plymouth	111	90	96 25	110	166	88	164	166	148	248	181
Pocahontas	3	-22	-25	-19	2/57	17	5	29	-26	17	-9
Polk	2828	2974	2394	2503	2457	2554	2482	2513	2596	2700	2631
Pottawattamie	615	550	466	433	581	532	579	654	659	698	682
Poweshiek	30	31	-3	-1	24	25	11	69	62	74	55
Ringgold	-40	-12	- 15	-18	-35	-10	14	-2	33	-9	2
Sac	-33	-24	-23	-19	- 19	1	14	-3	-5	62	88
Scott	1325	1158	1157	1075	1309	1369	1433	1407	1658	1615	1781
Shelby	31	2	7	25	9	16	98	50	94	31	85
Sioux	206	194	216	219	259	233	284	346	326	355	400
Story	512	469	537	522	526	610	682	679	606	693	653
Tama	-11	9	31	35	18	18	50	68	98	25	78
Taylor	-13	-54	-25	-33	-51	-7	-4	-24	6	-8	21
Union	-19	10	-28	-23	-1	-17	-1	9	22	52	59
Van Buren	2	-25	-11	-4	-22	-10	28	-12	8	37	7
Wapello	17	25	-56	4	-39	25	21	-8	123	70	99
Warren	196	227	195	245	220	262	228	255	272	297	324
Washington	92	84	68	79	65	34	81	56	104	90	119
Wayne	-9	-19	- 15	-32	-49	-42	-17	-45	-4	-37	-5
Webster	146	146	94	105	126	158	163	185	244	186	288
Winnebago	10	40	14	5	52	23	19	35	44	17	64
Winneshiek	40	86	74	87	67	58	114	97	131	112	148
Woodbury	692	540	565	599	517	702	651	675	678	838	809
Worth	- 16	21	-20	-4	-5	9	12	2	30	25	34
Wright —	36	26	- 13	-4	- 14	-3	14	29	12	11	39
State of Iowa	12515	11769	10219	10653	11727	<u>_</u>	15388				

The different trends for births and deaths are highlighted when 1990 data are compared with those for 1980. Births were lower in 1990 in all but two counties (Johnson, +130; Polk, +280), and the drop was at least 500 in two (Black Hawk, -683; Scott, -524). For deaths, the differences are much smaller. In no county did deaths increase or decrease by at least 100 during the period. Indeed, the difference in either direction was less than 10 in 30 counties. At least 10 more deaths were reported in 1990 than in 1980 in 29 counties, but deaths decreased by 10 or more in 40 others.

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 1980-1990 period (Table 3). But births outnumbered deaths by a smaller margin each year from 1980 through 1988. This trend was reversed from 1988 to 1990.

In 1990, 69 counties reported natural increases ranging from less than 50 in 36 counties to more than 100 in 23 others. Three counties (Linn, +1,404; Polk, +2,828; Scott, +1,325) had at least 1,000 more births than deaths in 1990. Five others (Black Hawk, +557; Johnson, +977; Pottawattamie, +615; Story, +512; Woodbury, +692) had natural increases of at least 500 that year.

A total of 28 counties had natural decreases in 1990. Deaths never outnumbered births by more than 50; three counties had at least 40 more deaths than births (Monona, -42; Palo Alto, -45; Ringgold, -40). In five others (Adair, Fremont, Ida, O'Brien, Wayne), there were fewer than 10 more deaths than births in 1990. In 1980, only two counties (Pocahontas, Wayne) reported more deaths than births. The 28 counties experiencing natural decrease in 1990 was up slightly from the 25 reported in 1989 but still below the high of 37 with more deaths than births reported in 1988.

Forty-six counties had more births than deaths every year from 1980 through 1990. Only one county (Wayne) had more deaths than births every year, although 17 others had natural decreases occurring in at least six of the 11 years examined.

Concluding Comments

While the number of deaths in lowa has changed relatively little through the 1980s to 1990, births have declined substantially. At the beginning of the decade, the state and nearly all counties had more births than deaths. More recently, however, there has been a greater number of counties experiencing 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).

A Half Century of Natural Change, Net Migration, and Population Change in Iowa's Counties: 1940-1990

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

Two factors generate population change--natural change and net migration. Together, these components explain the manner in which lowa's population has changed over the five decades from 1940 to 1990.

Population Change, 1940-1990

lowa's population increased by about 238,000 residents from the 1940 census to the one conducted in 1990 (Table 1). Twenty-seven of the 99 counties had higher populations in 1990 than in 1940. The gain of 131,000 in Polk was much greater than increases in other counties; Johnson, Linn, and Scott were in the 60,000-80,000 range. The only other counties with gains of at least 10,000 were Black Hawk, Dubuque, Pottawattamie, Story, and Warren. Seventy-two counties had fewer residents in 1990 than they reported in 1940. Only Appanoose dropped by at least 10,000, although 27 were down by 5,000 to 9,999.

Natural Change, 1940-1990

The state had nearly 1.2 million more births than deaths from 1940 through 1989. Thus, the population was increasing from natural causes. This was occurring in all counties. Wayne (95 more births than deaths) was the only county with natural increase less than 100. Ten others (Adams, Appanoose, Clarke, Decatur, Fremont, Lucas, Monroe, Ringgold, Taylor, Van Buren), all of which were in the southern tiers of counties, had natural increases ranging from 500 to 2,000. Twenty-four counties reported births exceeding deaths by at least 10,000 from 1940 through 1989, led by Polk at 138,000.

Net Migration, 1940-1990

If natural increase over the five decades was 1,174,000, a question arises as to why the population gained only 238,000 residents during that period. The answer is that net migration was negative; nearly 936,000 more people moved out of lowa than in from 1940 to 1990. Only four counties (Johnson, Linn, Story, Warren) had more people enter than leave, with Johnson the highest at 21,000. The range among counties with more moving out than in varied from 1,500 (Dickinson) to 59,000 (Woodbury). The figure for Woodbury was more than twice that of the next highest county; six others (Black Hawk, Dubuque, Kossuth, Pottawattamie, Wapello, Webster) had from 20,000 to 30,000 more leaving than entering from 1940 to 1990.

Births, Deaths, and Natural Change by Decade

Decade totals of births increased from the 1940s through the 1950s, although they declined from that point through the 1980s (Table 2). The number of births increased by about 100,000 from the 1940s to the 1950s. But it declined by a similar amount from the 1950s to the 1960s and from the 1960s to the 1970s. Thus, the increase in births created by the baby boom was nearly matched by the decrease caused by the baby bust in the following years. The decline slowed substantially between the 1970s and the 1980s, however; the 1980s had about 14,000 fewer births than did the 1970s.

The patterns in most counties followed that of the state. Warren was an exception because births in the three most recent decades topped the number in the 1950s. Fifteen counties had fewer births each successive decade from the 1940s through the 1980s.

Deaths have changed in a much narrower numerical range than births (Table 2). At least 215,000 more births occurred in the 1950s than in the 1980s, for example. But the greatest number of deaths (291,004 in the 1960s) exceeded the lowest number (254,265 in the 1940s) by less than 40,000. Generally, the change in deaths from any one decade to the next was less than 15,000; the jump of nearly 22,000 deaths from the 1950s to the 1960s was the only exception. Totals for counties also varied within relatively narrow ranges. Six counties (Bremer, Dickinson, Johnson, Osceola, Plymouth, Warren) reported increased deaths from each decade to the next, while three (Appanoose, Decatur, Van Buren) had continuous declines.

Natural change, which is the number of births minus the number of deaths, increased from the 1940s through the 1950s but then dropped through the more recent decades (Table 3). This trend mirrors that for births, of course, while deaths changed by a substantially smaller amount. Natural increase peaked at more than 366,000 in the 1950s.

Natural decrease (more deaths than births) was nearly unheard of in lowa's counties in the 1940s and 1950s. But seven counties had natural decrease in the 1960s, 13 in the 1970s, and 14 in the 1980s. Five counties (Decatur, Lucas, Ringgold, Taylor, Wayne) had more deaths than births in each of the last three decades. Five others (Calhoun, Fremont, Monona, Monroe, Van Buren) reported natural decrease through both the 1970s and the 1980s.

Eighty-one counties had natural increase (more births than deaths) every decade. Nine counties (Black Hawk, Dubuque, Johnson, Linn, Polk, Pottawattamie, Scott, Story, Woodbury) had natural increases greater than 5,000 every decade since 1940.

Net Migration by Decade

More people have moved out of lowa than into it in each decade since 1940 (Table 3). In two decades (1950s, 1980s), those leaving outnumbered those entering by at least 200,000. In the 1940s and 1960s, about 180,000 more moved to other states than came to lowa. Only in the 1970s did less than 100,000 more people leave than enter lowa.

More than half (58) of lowa's 99 counties followed the state's pattern of more out-than inmigration each decade. Johnson and Scott, however, had more inmigrants than outmigrants in four of the five decades; Linn, Story, and Warren had three decades with more entering than leaving, while Black Hawk, Dallas, Muscatine, and Polk had two 10-year periods with more moving in than out of the county.

In only one decade did as many as a third of the counties have more people moving in that out; in the 1970s, 34 counties had more enter than leave. In the 1980s, only one county (Johnson) had more people enter than exit.

Note: The data used to generate these tables are from the U.S. Bureau of Census and the VITAL STATISTICS FOR IOWA reports published annually by the lowa Department of Public Health (Lucas State Office Building, Des Moines, IA 50319); these volumes were used for 1951 through 1989. Data for earlier years was provided in hand-tabulated tables available through the department. Caution is urged in interpreting the data. Definitions sometimes change from one census to the next. University students, for example, were not counted at the schools they were attending in earlier censuses. This inflated the population change and migration figures slightly for some counties when 1940 and 1990 were compared.

Table 1. Natural Change, Migration, and Population Change in Iowa Counties, 1940 through 1990.

	Natural	Net	Population		Natural	Net	Populatio
County	Change	Migration 	Change	County	Change	Migration	Change
Adair	2705	-7492	-4787	Jefferson	4750	-4202	548
Adams	1 <i>7</i> 54	-7044	-5290	Johnson	41984	20944	62928
Allamakee	5648	-8977	-3329	Jones	8065	-8571	-506
Appanoose	1413	-11915	-10502	Keokuk	3023	- 98 05	-6782
Audubon	3719	-8175	-4456	Kossuth	13024	-21063	-8039
Benton	8186	-8636	-450	Lee	14082	- 16469	-2387
Black Hawk	70643	-26791	43852	Lim	76318	3307	79625
Boone	5744	- 10340	-4596	Louisa	3257	-3049	208
Bremer	8565	-3684	4881	Lucas	876	-6377	-5501
Buchanan	10766	- 10913	-147	Lyon	7455	- 10877	-3422
Buena Vista	73 77	-7250	127	Madison	2583	-4625	-2042
Butler	5992	-8247	-2255	Mahaska	6057	-11020	-4963
Calhoun	4072	-10148	-6076	Marion	8342	-5360	2982
Carroll	12950	-14297	- 1347	Marshall	14806	- 11936	2870
Cass	4681	-8200	-3519	Mills	3924	-5786	- 1862
Cedar	5503	-5006	497	Mitchell	4792	-7985	-3193
Cerro Gordo	19548	- 16660	2888	Monona	4043	-12247	-8204
Cherokee	6895	-12055	-5160	Monroe	1495	-7934	-6439
Chickasaw	6743	-8675	- 1932	Montgomery	2738	-6359	-3621
Clarke	1504	-3450	- 1946	Muscatine	15311	-6700	8611
lay	8447	-8624	-177	O'Brien	7163	-11012	-3849
Clayton	7130	-12410	-5280		7 103 4695		
Clinton	20874	-14556	6318	Osceola		-8035 12022	-3340
Crawford	8350	-12113	-3763	Page	4005	- 12022	-8017
				Palo Alto	6471	-11972	-5501
Dallas	8164	-3058	5106	Plymouth	11779	-11893	-114
avis	2163	-4987	-2824	Pocahontas	5248	-11989	-6741
ecatur	1454	-7128	-5674	Polk	138364	-7059	131305
elaware	9989	-10441	-452	Pottawattamie	41279	-25407	15872
Des Moines	16400	-10590	5810	Poweshiek	6010	-5735	275
Dickinson	4255	-1531	2724	Ringgold	937	-6654	-5717
)ubuque	46159	-23524	22635	Sac	5631	-10946	-5315
imme t	6466	-8303	-1837	Scott	71913	-5682	66231
ayette	9636	-16944	-7308	Shelby	7199	- 10 68 9	-3490
loyd	7429	- 10540	-3111	Sioux	17189	- 14495	2694
Franklin -	4724	-9739	-5015	Story	32636	8182	40818
remont	1724	-8143	-6419	Tama	6074	-11083	-5009
ireene	4062	-10616	-6554	Taylor	551	- 769 5	-7144
Grundy	4816	-6305	- 1489	Union	2284	-5814	-3530
iuthrie	2589	-8864	-6275	Van Buren	990	-5367	-4377
lami l ton	6922	- 10773	-3851	Wapello	13913	- 22506	-8593
lancock	6493	-9257	-2764	Warren	12112	6226	18338
ardin	5622	-9058	-3436	Washington	6856	-7299	-443
arrison	4780	-12817	-8037	Wayne	95	-6336	-6241
enry	4706	-3474	1232	Webster	20967	-22146	-1179
loward	3811	-7533	-3722	Winnebago	4583	-6433	- 1850
umboldt	5155	-7858	-2703	Winneshiek	8583	-9999	-1416
da	3185	-5867	-2682	Woodbury	53333	-58684	-5351
она	5223	-7609	-2386	Worth	2490	-5948	-3458
lackson	8886	-8117	769	Wright	5978	-11747	-5769
asper	13823	-10524	3299				
				State of Iowa	1174098	- 93 5611	238487

Table 2. Births and Deaths by Decade in Iowa Counties, 1940-1989.

			Births					Deaths		
	1980-	1970-	1960-	1950-	1940-	1980-	1970-	1960-	1950-	1940-
County	1989	1979	1969	1959	1949	1989	1979	1969	1959	1949
Adair	1185	1281	1554	2319	2369	1109	1137	1298	1261	1198
Adams	710	745	967	1677	1836	680	804	907	868	922
Allamakee	2223	2236	2994	3984	3167	1780	1834	1821	1831	1690
Appanoose	1908	2144	2311	3060	3825	1876	2286	2478	2497	2698
Audubon	1097	1131	1702	2585	2363	957	1074	1124	996	1008
Benton	3154	3175	4197	5233	4417	2241	2474	2526	2439	2310
Black Hawk	19770	21422	28377	29933	20113	10644	10865	10571	8987	7905
Boone	3421	3381	4070	5346	4890	2876	3139	3254	3050	3045
Bremer	3103	3296	4036	4565	3493	2133	2084	1971	1936	1804
Buchanan	3748	3732	4546	5229	4234	1964	2204	2183	2216	2156
Buena Vista	2997	2871	3469	5000	3873	2354	2259	2287	2084	1849
Butler	2234	2588	2927	3761	3431	1845	1896	1851	1731	1626
Calhoun	1562	1736	2449	3681	3475	1778	1841	1842	1782	1588
Carroll	3712	3548	5210	6498	5237	2258	2514	2325	2123	2035
Cass	2213	2342	3068	3991	3703	2158	2289	2189	2087	1913
Cedar	2379	2478	2877	3638	3092	1721	1918	1821	1784	1717
Cerro Gordo	6836	6804	8894	11689	9081	4749	5131	5172	4544	4160
Cherokee	2072	2379	3178	4277	3618	1710	1777	1806	1730	1606
Chickasaw	2115	2445	3128	3620	3168	1467	1596	1602	1576	1492
Clarke	1172	1053	1121	1633	1841	987	1031	1124	1104	1070
Clay	2815	2859	3151	4489	3730	1773	1846	1817		1499
	2922	3205	3947						1662	
Clayton Clinton	7719	8868		4980	4431	2334	2422	2665	2405	2529
Crawford	2741	3021	11004	11979	9581	5484	5847	5941	5511	5494
Dallas	4286	4136	3643 /354	4409	4024	1857	1962	2050	1869	1750
Davis	1310		4356	4993	4398	2733	2943	2971	2754	2604
		1278	1279	1830	1814	1013	1052	1100	1129	1054
Decatur	1117	1159	1288	2107	2524	1133	1235	1437	1464	1472
Delaware	3185	3093	4096	4786	3926	1719	1869	1901	1759	1849
Des Moines	6356	6750	9047	9683	8308	4688	4820	4995	4627	4614
Dickinson	1850	1928	2037	2874	2318	1578	1516	1413	1212	1033
Dubuque	13416	15472	21347	21225	14700	8122	8193	8446	7662	7578
Emmet	1699	2173	2679	3766	3075	1393	1479	1526	1340	1188
Fayette	3323	3686	5273	6546	5569	2780	2857	3140	3045	2939
Floyd	2385	2900	3962	4815	4136	2120	2196	2313	2163	1977
Franklin	1648	1697	2313	3381	3175	1396	1613	1538	1484	1459
Fremont	1165	1291	1483	2075	2454	1249	1350	1328	1387	1430
Greene	1517	1644	2348	3349	3150	1465	1622	1631	1685	1543
Grundy	1625	1865	2378	2928	2475	1336	1355	1383	1224	1157
Guthrie	1354	1561	1937	2729	3121	1621	1541	1607	1662	1682
Hamilton	2276	2457	3278	4466	4045	1795	1949	2114	1998	1744
Hancock	1975	2106	2429	3551	3246	1377	1518	1406	1260	1253
Hardin 	2743	2804	3560	4667	4220	2421	2551	2694	2388	2318
Harrison 	2174	2343	2884	3945	3989	1972	2030	2257	2099	2197
Henry 	2571	2607	2864	3702	3399	1976	2029	2230	2101	2101
Howard	1496	1505	2166	2961	2603	1330	1386	1512	1421	1271
Humboldt 	1661	1663	2244	3197	2717	1219	1289	1362	1336	1121
Ida	1355	1203	1499	2326	2071	1052	1143	1152	977	945
Iowa	2098	2118	2894	3643	3090	1642	1717	1791	1740	1730
Jackson	3219	3484	4683	5102	3535	2258	2212	2289	2221	2157
Jasper	4697	5186	6192	8040	6138	3410	3468	3511	3084	2957

Table 2. Births and Deaths by Decade in Iowa Counties, 1940-1989 (continued).

			Births					Deaths		
	1980-	1970-	1960-	1950-	1940-	1980-	1970-	1960-	1950-	1940-
County	1989	1979	1969	1959	1949	1989	1979	1969	1959	1949
Jefferson	2121	2125	2824	3239	2877	1639	1676	1726	1723	1672
Johnson	13001	11425	14467	13730	8326	4346	3954	3870	3535	3260
Jones	2614	2954	3868	4700	3871	1832	2015	2142	1973	1980
Keokuk	1711	1753	2454	3443	3216	1653	1833	2082	2094	1892
Kossuth	2979	3293	4843	6672	6129	2070	2230	2306	2244	2042
Lee	5817	6259	7887	9898	8638	4385	4933	5180	4934	4985
Linn	25153	26236	34665	29833	19371	12585	12902	12704	10962	9787
Louisa	1630	1683	1836	2065	2007	1130	1171	1306	1173	1184
Lucas	1244	1312	1519	2065	2181	1258	1454	1636	1592	1505
Lyon	1958	2076	2611	3685	3098	1183	1199	1293	1156	1142
Madison	1584	1742	1805	2435	2470	1447	1512	1554	1498	1442
Mahaska .	3288	3249	3667	5085	4600	2467	2780	2879	2812	2894
Marion	4161	3842	4424	5196	4790	2929	2886	2872	2667	2717
Marshall	5660	6192	7558	8190	7120	4326	3955	4234	3763	3636
Mills	1809	1937	1883	2330	2440	1335	1250	1326	1231	1333
Mitchell	1535	1721	2600	3536	2803	1478	1533	1579	1454	1359
Monona	1375	1572	2110	3274	3500	1546	1630	1702	1505	1405
Monroe	1125	1226	1540	2178	2414	1199	1264	1477	1468	1580
Montgomery	1682	1917	1986	3207	2857	1699	1823	1919	1782	1688
Muscatine	6668	6688	7406	7709	6373	3 631	3890	4243	3898	3871
O'Brien	2309	2476	3269	4626	3966	1916	2075	1928	1822	1742
Osceola	1110	1209	1741	2651	2204	922	918	858	788	734
Page	2239	2609	2923	4052	4342	2416	2543	2571	2378	2252
Palo Alto	1694	1882	2607	4057	3616	1446	1571			
Plymouth	3782	3763	4518	5905	4970	2325	2316	1531 2308	1418 2179	1419
Pocahontas	1411	1543	2372	3597	3315	1437				2031
Polk	50605	46862	57228	60890	42435		1452	1458	1325	1318
	13643					24801	25402	25857	23478	20118
Pottawattamie		14243	18707	19012	13558	7809	7726	8185	7325	6839
Poweshiek	2285	2562	3314	4303	3714	1938	2027	2104	2059	2040
Ringgold	720	779	912	1599	1791	772	902	1016	1106	1068
Sac	1784	1991	2713	4020	3581	1712	1826	1887	1581	1452
Scott	25941	26185	29225	27402	19674	11979	12335	12014	10433	9753
Shelby	1966	2128	3116	4059	3381	1549	1578	1643	1420	1261
Sioux	5238	5019	5372	7112	6031	2406	2462	2510	2247	1958
Story	9968	9398	11534	11732	8423	3991	4000	3967	3462	2999
Tama	2497	2782	3508	4680	4055	2067	2413	2451	2345	2172
Taylor 	991	1064	1199	1971	2231	1170	1351	1477	1452	1455
Union	1763	2006	2205	2842	2677	1681	1834	1965	1907	1822
Van Buren	1121	1100	1515	2025	1921	1125	1236	1410	1437	1484
Wapello	5007	5435	<i>7</i> 574	10891	9720	4743	5040	5158	4872	4901
Warren	4975	5140	4833	4188	3257	2450	2188	2073	1795	1775
Washington	2919	2870	3567	4474	4070	2139	2226	2342	2206	2131
Wayne	911	994	1202	1765	2037	1176	1292	1477	1361	1508
Webster	6464	6837	9922	11977	8972	4769	4826	5108	4542	3960
Winnebago	1693	1931	2130	2941	2676	1380	1484	1439	1291	1194
Winneshiek	2963	2856	4015	5075	4257	1989	2037	2166	2147	2244
Woodbury	16268	176 99	21635	27 89 1	22118	9694	10357	11266	10884	10077
Worth	1136	1111	1370	2141	1939	1032	1067	1083	1085	940
Wright 	1993	2139	2929	4623	4082	18 96	2026	2050	2009	1807
State of Iowa	418820	432664	542444	635234	515282	272401	283563	291004	269113	254265

Table 3. Natural Change and Migration by Decade in Iowa Counties, 1940-1989.

		Na	atural Cha	ange				Migratio	on .	
_	1980-	1970-	1960-	1950-	1940-	1980-	1970-	1960-	1950-	1940-
County	1989	1979	1969	1959	1949	1989	1979	1969	1959	1949
Adair	76	144	256	1058	1171	-1176	- 122	- 1662	-2457	- 2075
Adams	30	-59	60	809	914	-895	-532	- 1206	-2094	-2317
Allamakee	443	402	1173	2153	1477	-1696	-262	-2187	-2522	-2310
Appanoose	32	-142	-167	563	1127	- 1800	646	-841	-4231	-5689
Audubon	140	57	578	1589	1355	- 1365	-1093	- 1902	-2249	- 1566
Benton	913	701	1671	2794	2107	-2133	63	-2208	-2028	-2330
Black Hawk	9126	10557	17806	20946	12208	-23289	-5512	-7372	1088	8294
Boone	545	242	816	2296	1845	- 1543	-528	-2383	-2398	-3488
Bremer	970	1212	2065	2629	1689	-2977	871	-436	-405	-737
Buchanan	1784	1528	2363	3013	2078	-3840	-390	-2894	-2647	-1142
Buena Vista	643	612	1182	2916	2024	-1452	-531	-1678	-2840	-749
Butler	389	692	1076	2030	1805	-2326	23	-1590	-1957	-2397
Calhoun	-216	- 105	607	1899	1887	-1818	-645	-2238	-2901	-2546
Carroll	1454	1034	2885	4375	3202	-2982	-995	-3404	-4009	-2907
Cass	55	53	879	1904	1790	- 1859	-128	-1791	-2517	- 1905
Cedar	658	560	1056	1854	1375	-1912	420	-1192	-973	-1349
Cerro Gordo	2087	1673	3722	7145	4921	-3812	-2438	-4393	-3304	-2713
Cherokee	362	602	1372	2547	2012	-2502	-1633	-2701	-3001	-2218
Chickasaw	648	849	1526	2044	1676	-2790	-381	- 1591	-2238	-1675
Clarke	185	22	-3	529	771	-510	1009	-638	-1676	-1635
Clay	1042	1013	1334	2827	2231	-3033	99	- 1374		
Clayton	588	783	1282	2575	1902	-2632	-291		-2426	-1890
Clinton	2235	3021	5063	6468	4087	-8317	-2648	-2638 3377	-3135	-3714
Crawford	884	1059	1593	2540	2274	-3044	-1240	-3374	-1072	855
Dallas	1553	1193	1385	2239	1794	-1311	2235	-1046 577	-3712	-3071
Davis	297	226	179	701	760	-1089	671	577	-1777	-2782
Decatur	-16	-76	-149	643	1052			-1171	-1461	- 1937
Delaware	1466	1224	2195	3027	2077	-1440	133	-653	-2705	-2463
Des Moines	1668	1930	4052	5056	3694	-2364	-1061	- 1908	-2278	-2830
Dickinson	272	412	624	1662		-5257	-2709	- 1675	-2507	1558
Dubuque	5294	7279	12901	13563	1285	-992	2652	-633	-1844	-714
Emme t	306	694			7122	-12636	-4143	-2340	-4852	447
Fayette	543	829	1153	2426	1887	-2073	-1367 •	-2015	- 1657	-1191
Floyd	265	704	2133	3501	2630	-4188	-2239	-3816	-3214	-3487
Fr an klin	252	84	1649	2652	2159	-2804	-967	-2891	-3055	-823
Fremont	-84	-59	775 155	1897	1716	- 1924	-303	-2992	-2693	- 1827
Greene	52	22	155	688	1024	- 1091	178	-1155	-2729	-3346
Grundy	289	510	717	1664	1607	-2126	-619	-2380	-2829	-2662
Guthrie	-267	20	995	1704	1318	-2626	-263	-1008	-1294	-1114
iami i ton	481	508	330	1067	1439	-781	-280	-1694	-2657	-3452
lancock	598	588	1164	2468	2301	-2272	-1029	-2813	-2096	-2563
lardin	322		1023	2291	1993	-1793	-261	-2121	-2764	-2318
lerrison		253	866	2279	1902	-3004	- <i>7</i> 25	-1151	-1964	-2214
ienny	202 506	313 579	627	1846	1792	-1820	- 205	- 1987	-3806	-4999
•	595 144	578 110	634	1601	1298	-259	198	-707	-2122	-584
lowerd	166	119	654	1540	1332	-1471	-447	-1946	-1911	-1758
lumbol dt	442	374	882	1861	1596	- 1932	-647	-1519	-1822	- 1938
da	303	60	347	1349	1126	-846	-435	- 1333	-1 <i>777</i>	-1476
ONA	456	401	1103	1903	1360	-1255	-391	-2080	-1342	-2541
lackson	961	1272	2394	2881	1378	-3514	392	- 2309	-749	- 1937
asper	1287	1718	2681	4956	3181	-2917	-718	-2538	-1979	-2372

Table 3. Natural Change and Migration by Decade in Iowa Counties, 1940-1989 (continued).

		Na	atural Cha	enge				Migrati	on	
County	1980- 1989	1970- 1979	1960- 1969	1950- 1959	1940- 1949	1980- 1989	1970 <i>-</i> 1979	1960- 1969	1950- 1959	1940-
										·
Jefferson	482	449	1098	1516	1205	-488	93	-1142	-1394	- 1271
Johnson	8655	7471	10597	10195	5066	5747	2119	7867	-2288	7499
Jones	782	939	1726	2727	1891	- 1739	-406	-2551	-1435	- 2440
Keokuk	58	-80	372	1349	1324	- 1355	-942	- 1921	-2654	- 2933
Kossuth	909	1063	2537	4428	4087	-4209	-2109	-4914	-5355	-4476
Lee	1432	1326	2707	4964	3653	-5851	-1216	-3918	-3859	- 1625
Linn	12568	13334	21961	18871	9584	- 13576	-6772	4353	13754	5548
Louisa	500	512	530	892	823	-963	861	-138	-1703	-1106
Lucas	- 14	-142	-117	473	676	- 1229	292	-643	-1619	-3178
Lyon	775	877	1318	2529	1956	- 1719	-1321	-2446	-2758	- 2633
Madison	137	230	251	937	1028	-251	809	-988	-1773	- 2422
Mahask a	821	469	788	2273	1706	-2166	221	-2213	-3343	- 35 19
Marion	1232	956	1552	2529	2073	-900	2361	- 1086	-2573	-3162
Marshall	1334	2237	3324	4427	3484	-4710	-1661	-232	-2054	- 3 2 7 9
Mills	474	687	557	1099	1107	-678	887	- 1775	-2113	-2107
Mitchell	57	188	1021	2082	1444	- 1458	-967	- 1956	-1984	- 1620
Monona	-171	-58	408	1769	2095	- 1487	-319	-2255	-4156	-4030
Monroe	- 74	-38	63	710	834	- 1021	-110	-1169	-2061	-3573
Montgomery	-17	94	67	1425	1169	- 1320	538	- 1 <i>7</i> 53	-2643	-1181
Muscatine	3037	2798	3163	3811	2502	-3566	457	178	-2119	- 1650
O'Brien	393	401	1341	2804	2224	- 1921	-951	-2659	-2934	- 2547
Osceola	188	291	883	1863	1470	- 1292	-475	-2392	-1980	- 1896
Page	-177	66	352	1674	2090	-2016	460	-2838	-4572	-3056
Palo Alto	248	311	1076	2639	2197	-2300	-879	-2523	-3794	-2476
Plymouth	1457	1447	2210	3726	2939	-2812	-1026	- 1794	-3072	-3189
Pocahontas	-26	91	914	2272	1997	- 1818	-1515	-2355	-3534	-2767
Polk	25804	21460	31371	37412	22317	- 1834	-4420	-11556	2893	7858
Pottawattamie	5834	6517	10522	11687	6719	-9767	-6947	-6633	1733	-3793
Poweshiek	347	535	1210	2244	1674	-620	-32	- 1707	-2288	- 1088
Ringgold	-52	- 123	-104	493	723	-640	- 138	-1433	-2111	-2332
Sac	72	165	826	2439	2129	- 1866	-1620	-2260	-2950	- 2250
Scott	13962	13850	17211	16969		-23005	3485	6409	1400	6029
Shelby	417	550			9921					
•			1473	2639	2120	-2230	-1035	- 1770	-2756	-2898
Sioux	2832	2557	2862	4865	4073	-3742	260	- 1241	-4871 7277	-4901
Story	5977	5398	7567	8270	5424	-4051	4145	5889	-3237	5436
Tama	430	369	1057	2335	1883	-2544	-983	-2323	-2610	-2623
Taylor	-179	-287	-278	519	776	-1060	- 150	-1220	-2651	-2614
Union	82	172	240	935	855	-1190	129	-395	-2874	- 1484
Van Buren	-4	- 136	105	588	437	-946	119	- 1240	- 1817	- 1483
Wapello	264	395	2416	6019	4819	-4818	-2303	-6393	- 729 0	- 1702
Warren	2525	2952	2760	2393	1482	- 1370	4494	3843	678	- 1419
Washington	780	644	1225	2268	1939	- 1309	530	- 1664	-2419	- 2437
Wayne	-265	-298	-275	404	529	-867	92	-1120	-2341	-2100
Webster	1695	2011	4814	7435	5012	- <i>7</i> 306	-4449	-4233	-3866	- 2292
Winnebago	313	447	691	1650	1482	-1201	-427	-800	-2001	-2004
Winneshiek	974	819	1849	2928	2013	-2003	-701	- 1742	-2916	- 2637
Woodbury	6574	7342	10369	17007	12041	-9182	-9510	-15166	- 13075	-11751
Worth	104	44	287	1056	999	-1188	47	- 1562	-1865	- 1380
Wright	97	113	879	2614	2275	-2147	-1088	-3032	-2819	-2661
State of Iowa	146419	149101	251440	366121	261017	-283472	-60661	- 183609	-229657	- 178212

Estimated Birth and Death Rates in Iowa's Counties:

1980-1990

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

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. Caution is urged in examining the 1981-1988 rates; they are based on population estimates provided by the U.S. Bureau of the Census for those years. The 1990 population count was used to calculate the 1989 rates because no population estimates were released for 1989.

lowa and National Birth and Death Rates

The birth rate for lowa has dropped substantially this decade. There were three more births per 1,000 residents in 1980 (16.4) than in 1987 or 1988 (13.4), although the rate was up nearly a point from 1988 to 1990. The death rate in lowa has not changed as much; it increased by nearly half of a point from 9.3 in 1980 to 9.7 in 1990, although it was slightly higher in 1985, 1988, and 1989 (9.8). Both of these changes are in marked contrast to the figures at the national level, where birth rates (1980, 15.8; 1990, 16.7) increased somewhat and death rates (1980, 8.7; 1990, 8.6) remained relatively stable.

County Data on Birth and Death Rates

In 1990, 23 counties had birth rates above the state figure of 14.2 (Table 1). Four counties (Muscatine, Polk, Pottawattamie, Woodbury) had rates at least two points above that for lowa, while another five (Davis, Delaware, Linn, Scott, Washington) had rates at least a point above the state average. Two counties (Benton, Cherokee) had birth rates equal to that of the state. Of the 74 counties with birth rates below that of the state, 27 fell at least two points under the state level and another 32 were more than one point but less than two below 14.2. Two counties (Palo Alto, Ringgold) had less than 10 births for every 1,000 residents in 1990.

Death rates in 1990 varied from under 6.0 (Johnson, 4.5; Story, 5.6) to 15.0 or more (Monona, 15.5; Montgomery, 15.0; Ringgold, 15.5) in Iowa's counties (Table 2). Although only five counties (Johnson, Linn, Scott, Sioux, Story) had death rates at least two points below the state average of 9.7, 42 counties reported rates two or more points greater than that for the state. Ten counties had rates at least four points higher than did the state. A total of 76 counties had death rates above the state figure.

In 1990, 17 counties had birth rates at least two points below that of the state and death rates at least two points above the state. Ten of these (Sac, Calhoun, Greene, Guthrie, Adair, Union, Ringgold, Decatur, Wayne, Appanoose) constituted a contiguous area stretching from west central to southern lowa. The remaining seven included Hardin, Humboldt, Mitchell, Monona, O'Brien, Page, and Palo Alto.

In contrast, no county had birth rates at least two points above and death rates at least two points below the state figures. But three urban counties (Linn, Polk, Scott) had birth rates a point above and death rates a point below the state averages in 1990.

Table 1. Estimated Birth Rates Per 1,000 Population in Iowa Counties, 1980-1990.

County	1990	1989*	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	12.1	13.0	10,1	10.9	12.8	13.6	12.3	12.4	15.4	13.2	17.5
Adams	12.3	14.4	14.0	11.7	10.4	13.3	13.0	11.4	14.3	11.2	16.4
Allamakee	12.8	15.4	13.5	13.6	14.0	14.3	14.2	14.3	15.7	16.5	16.7
Appanoose	12.1	12.1	11.7	11.3	12.6	12.9	13.3	12.9	12.1	14.9	15.5
Audubon	12.4	11.3	10.8	12.3	11.3	13.5	16.1	14.5	14.2	13.2	17.6
Benton	14.2	13.0	12.6	12.5	13.0	13.4	14.2	12.6	13.1	14.7	17.5
Black Hawk	13.7	13.6	13.1	13.0	13.7	14.8	15.5	15.4	16.4	16.9	17.3
Boone	13.1	12.3	13.7	12.5	11.6	12.6	12.8	13.3	14.1	14.6	15.1
Bremer	10.6	11.2	10.0	10.3	11.2	12.2	12.4	12.9	14.7	16.0	16.8
Buchanan	14.5	16.1	14.2	15.0	13.2	16.3	16.6	16.9	19.6	19.3	19.5
Buena Vista	14.4	12.7	15.0	13.0	14.3	15.2	13.8	14.4	15.0	16.5	15.5
Butler	11.7	11.4	11.6	11.0	12.6	11.8	13.9	14.9	14.6	13.4	16.1
Cathoun	11.3	10.8	9.2	12.0	12.5	11.8	10.8	13.0	14.6	12.6	15.1
Carroll	14.9	13.6	13.9	15.2	16.0	16.4	16.7	18.2	16.8	18.1	19.0
Cass	12.7	12.7	12.3	10.4	12.7	12.0	14.9	13.4	14.9	16.7	14.2
Cedar	12.7	12.9	10.9	10.4	10.6	13.4	13.4	13.7	14.2	15.2	14.0
Cerro Gordo	14.7	14.1	13.0	13.0	13.5	14.8	14.0	14.6	14.8	14.8	15.0
Cherokee	14.2	12,6	11.5	11.1	14.0	12.8	13.0	14.3	14.4	15.1	14.7
Chickasaw	15.0	13.7	11.9	10.7	13.6	11.7	14.5	14.5	17.1	16.8	16.7
Clarke	12.8	14.6	12.7	13.1	12.7	13.5	11.8	12.7	15.3	14.0	14.6
Clay	13.6	14.8	12.6	13.5	13.4	14.4	13.5	15.7	18.5	16.1	17.7
Clayton	12.7	13.8	11.6	12.4	12.5	14.2	13.3	14.5	15.6	17.3	16.3
Clinton	13.4	13.2	12.8	13.0	13.2	13.8	14.2	13.8	15.1	15.5	16.1
Crawford	13.6	12.2	13.9	15.1	13.4	13.8	13.3	16.7	15.4	15.7	17.0
Dallas	13.7	15.0	12.6	14.2	13.2	13.4	15.2	15.5	14.5	14.6	15.8
Davis	15.4	14.0	13.2	12.5	13.9	14.9	14.1	16.3	15.1	16.2	16.4
Decatur	10.9	11.9	11.4	12.6	10.7	11.6	12.0	11.4	14.0	12.8	13.2
Delaware	15.8	14.6	15.6	15.2	15.0	16.7	16.1	17.9	19.1	17.4	21.2
Des Moines	13.3	13.7	12.6	12.2	11.7	15.0	14.4	14.5	14.6	16.0	16.6
Dickinson	10.7	10.6	9.6	11.6	10.9	11.5	12.6	11.5	14.6	12.8	14.7
Dubuque	14.6	13.7	13.1	13.8	13.2	13.9	14.8	14.9	15.5	16.4	16.9
Emmet	11.6	10.5	12.0	12.4	11.8	12.8	12.6	15.3	15.3	16.1	17.0
Fayette	13.2	12.8	13.1	11.5	11.9	12.3	14.3	14.5	16.0	15.0	15.9
Floyd	12.8	12.9	10.9	11.4	11.6	12.4	12.6	14.7	13.0	14.2	13.2
Franklin	10.9	11.6	11.5	11.6	12.0	13.7	15.2	12.9	13.6	14.7	15.0
Fremont	12.2	11.9	11.7	11.6	13.9	12.9	12.7	13.5	12.7	14.2	13.9
Greene	10.8	10.4	10.9	12.7	11.4	12.8	14.7	14.2	13.9	16.2	15.0
Grundy	12.1	11.5	11.2	9.5	11.3	10.5	12.4	13.4	11.8	12.7	15.8
Guthrie	11.2	10.2	10.6	9.5	10.2	10.3	13.4	12.5	12.7	13.6	14.9
Hamilton	13.0	13.3	11.8	11.7	14.1	11.5	14.6	13.4	12.4	14.5	14.4
Hancock	13.0	13.2	12.0	12.5	14.1	13.9	15.4	14.0	17.0	15.8	18.2
Hardin	11.2	11.2	11.3	10.8	11.3	12.7	13.0	14.4	14.9	14.7	16.0
Harrison	12.7	13.0	12.1	14.2	14.5	14.2	13.5	12.3	13.3	13.6	15.5
Henry	13.8	11,7	13.2	12.5	13.3	12.9	14.3	14.1	14.5	14.8	16.0
Howard	13.8	12.8	10.6	13.8	13.2	12.6	14.5	14.8	15.2	14.2	16.6
Humbol dt	10.4	12.6	12.7	12.2	12.8	13.7	15.4	14.7	15.6	15.5	15.4
Ida	12.8	17.9	14.2	13.0	13.4	15.2	16.6	16.4	13.3	17.9	
OWB	14.6	16.1	12.1	12.1	14.3	12.0	14.2	14.3	14.2		16.6
Jackson	12.6	12.8	12.7	13.3	12.9	15.5	14.4	15.5		14.9	14.8
Jasper	12.4	13.2	12.3	12.2	11.7			12.3	15.9	16.5	16.4

^{*1989} rates were calculated with 1990 population counts; 1989 population estimates were not available.

Table 1. Estimated Birth Rates Per 1,000 Population in Iowa Counties, 1980-1990 (continued).

_											
County	1990	1989*	1988	1987	1986	1985	1984	1983	1982	1981	1980
Jefferson	11.8	12.4	12.5	10.8	13.2	13.5	13.6	14.3	12.7	13.0	13.3
Johnson	14.6	13.5	15.3	15.0	15.0	15.5	15.3	14.9	15.6	16.3	15.6
Jones	12.9	12.1	12.1	11.0	11.1	14.4	12.8	13.5	13.8	13.3	15.8
Keokuk	12.9	13.1	13.3	12.3	11.2	12.6	14.7	14.6	13.1	15.5	17.3
Kossuth	13.5	12.9	12.4	12.6	13.1	12.5	13.8	16.4	16.1	15.3	18.1
Lee	12.8	12.7	12.6	13.4	12.8	14.2	13.8	14.1	14.6	15.5	16.1
Linn	15.6	14.9	14.4	14.0	13.9	14.5	14.8	14.7	15.7	15.1	16.6
Louisa	14.1	12.9	11.8	14.0	12.1	12.1	13.3	14.2	14.7	16.5	14.3
Lucas	12.8	10.3	11.7	10.5	11.6	11.0	12.9	11.3	15.8	13.1	16.5
Lyon	14.9	14.0	15.0	14.4	12.9	14.5	15.2	16.0	16.7	18.4	18.3
Madison	12.7	13.4	12.8	11.0	11.3	13.2	12.4	12.1	12.6	12.3	15.6
Mahaska	13.2	14.7	13.2	13.3	14.6	14.2	14.4	15.1	15.2	14.6	17.5
Marion	12.5	13.3	12.0	13.6	12.4	14.8	13.5	14.5	15.4	14.7	15.1
Marshall	13.1	12.7	12.4	11.5	12.9	13.5	14.1	14.8	14.7	15.6	16.2
Mills	10.3	12.7	11.5	13.1	13.0	12.4	14.2	12.9	13.0	15.7	16.8
Mitchell	12.0	11.6	11.9	11.6	12.7	12.5	12.5	14.3	12.7	14.0	15.9
	11.4	11.3	10.1	10.5	12.2	9.6	12.4	15.3	13.8	13.9	15.3
Monona	14.3	11.8	10.5	12.7	12.2	12.4	13.9	13.3	12.3	14.8	14.4
Monroe			12.1	12.5	10.9	11.7	13.5	14.3	13.9	14.0	15.3
Montgomery	13.1	12.4		13.7	15.4	15.3	15.2	17.0	18.0	17.8	17.7
Muscatine	16.7	17.1	15.0				14.0	15.5	16.2		16.4
O'Brien	11.9	12.6	11.1	11.8	13.0	13.0				16.9	
Osceola	12.9	13.8	13.7	11.3	11.3	13.2	12.7	15.8	15.1	15.3	16.4
Page	11.9	13.0	12.2	11.0	10.4	13.0	11.0	12.2	12.7	14.1	14.2
Palo Alto	8.9	13.1	12.0	10.9	11.7	15.0	13.2	17.1	14.6	16.9	16.4
Plymouth	14.8	13.3	12.9	14.7	15.7	13.9	16.8	16.9	15.9	18.2	17.3
Pocahontas	13.0	11.5	13.1	10.5	11.3	15.0	13.5	14.3	13.5	13.2	14.1
Polk	16.4	16.9	15.4	15.6	15.7	16.2	15.7	16.1	16.2	16.6	16.8
Pottawattamie	16.5	15.5	14.7	14.3	15.2	15.1	15.6	16.3	16.2	16.9	17.0
Poweshiek	11.9	11.9	10.7	10.0	11.9	11.6	11.7	12.8	13.3	13.5	12.8
Ringgold	8.1	9.8	10.4	11.1	8.2	13.4	14.0	11.8	17.5	13.1	14.1
Sac	11.8	12.4	11.3	11.7	11.9	13.4	13.6	12.9	13.3	16.8	16.6
Scott	16.1	15.7	15.2	14.8	16.3	16.0	16.6	16.5	17.1	17.5	18.5
Shelby	13.8	12.3	12.1	12.1	11.1	11.6	15.6	14.1	16.0	12.6	16.8
Sioux	14.5	14.4	15.6	15.2	16.3	16.6	16.7	18.6	18.3	19.0	20.6
Story	12.5	11.8	13.2	13.1	13.1	14.2	14.2	14.8	14.0	14.5	14.6
Tama	12.3	12.5	11.3	12.6	12.1	13.0	13.3	13.9	14.7	13.6	14.8
Taylor	12.9	11.1	9.7	11.3	9.2	11.4	12.4	12.3	15.8	14.2	16.2
Union	11.6	13.0	11.1	11.7	12.7	11.3	12.1	13.8	13.9	16.3	15.3
Van Buren	11.6	12.1	15.0	12.6	11.5	12.7	13.1	12.9	13.6	15.6	14.6
Wapello	13.7	13.6	11.5	12.0	12.3	12.0	13.6	12.2	14.2	13.6	14.8
Warren	13.3	13.8	13.2	13.4	12.9	14.2	13.7	13.7	14.1	14.6	15.8
Washington	15.7	15.3	13.9	15.0	13.7	13.4	15.2	14.0	14.4	14.4	16.2
Wayne	11.7	10.9	12.5	10.3	10.1	12.6	12.1	10.6	11.6	13.0	15.0
Webster	14.8	15.0	14.1	14.2	13.6	14.5	14.3	15.0	16.3	14.8	16.5
Winnebago	12.2	13.6	13.2	12.3	13.5	12.6	13.2	13.4	14.0	12.8	15.1
Winneshiek	12.4	12.9	12.4	12.3	13.2	12.9	14.4	14.4	14.0	13.6	14.9
Woodbury	16.6	15.2	16.1	15.8	14.9	16.6	16.0	16.4	16.8	17.9	17.8
Worth	12.4	13.4	11.6	11.5	11.7	13.0	12.6	12.2	14.4	14.2	14.0
Wright	15.0	13.4	11.8	12.0	11.3	12.5	12.7	12.9	13.0	13.7	15.1
State of Iowa	14.2	14.0	13.4	13.4	13.6	14.3	14.6	14.9	15.4	15.7	16.4

Table 2. Estimated Death Rates Per 1,000 Population in Iowa Counties, 1980-1990.

County	1990	1989*	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	12.4	12.0	12.1	14.4	14.3	11.4	12.4	12.2	11.2	11.6	11.8
Adams	11.7	14.4	14.7	10.2	11.5	9.8	14.1	11.8	13.4	11.8	13.1
Allamakee	14.3	13.6	11.4	12.4	12.7	11.9	10.8	11.4	10.8	11.2	12.5
Appanoos <i>e</i>	13.0	12.7	13.4	13.8	11.5	15.1	12.4	11.3	11.1	12.7	13.7
Audubon	12.0	11.5	15.1	12.2	10.6	13.7	8.8	12.0	13.9	12.0	8.8
Benton	8.8	10.5	11.0	10.4	9.3	9.5	9.2	10.6	8.8	9.0	9.0
Black Hawk	9.2	8.6	8.9	8.6	8.1	8.2	7.4	8.2	7.7	7.5	7.7
Boone	11.5	11.1	12.6	11.1	10.5	10.9	10.3	11.0	12.3	10.7	11.1
Bremer	10.0	9.2	10.2	10.0	9.4	8.5	8.3	7.6	7.5	8.6	9.1
Buchanan	8.9	9.5	9.4	8.5	8.7	8.0	9.2	9.3	9.4	7.4	8.4
Buena Vista	10.5	12.7	11.9	10.9	10.2	12.6	10.2	12.1	10.4	11.5	11.8
Butler	10.7	12.5	11.2	11.7	12.6	10.5	10.5	11.0	10.6	9.1	9.4
Calhoun	12.9	17.6	14.4	14.0	12.9	16.7	13.4	12.7	12.9	12.1	13.7
Carroll	10.0	9.4	9.4	10.3	8.4	9.5	10.3	10.7	11.1	10.4	10.4
Cass	13.6	14.9	14.8	12.7	13.9	14.6	12.7	12.5	12.4	11.1	12.4
Cedar	10.1	9.6	9.3	9.3	9.5	9.1	9.3	9.3	8.9	9.4	9.5
Cerro Gordo	10.3	9.9	9.9	10.1	9.7	9.5	10.7	9.2	9.9	10.0	9.6
Cherokee	12.1	12.1	11.2	11.9	10.3	11.8	10.6	10.7	10.7	10.6	10.8
Chickasaw	10.7	9.9	9.3	11.7	10.1	9.9	10.2	9.1	7.5	10.4	10.3
Clarke	11.2	13.2	11.3	10.7	10.1	12.9	11.6	10.9	9.3	11.6	12.3
Clay	9.0	10.3	9.7	10.7	11.0	9.0	9.3	8.5	8.3	8.8	9.5
Clayton	10.5	11.9	11,1	11.5	11.6	12.4	11.3	10.8	11.1	10.3	11.1
Clinton	11.0	10.9	10,9	9.5	10.4	9.0	9.9	10.8	9.5	10.2	9.3
Crawford	10.1	9.5	8.7	9.3	10.9	11.3	9.8	10.2	9.6	10.5	9.5
Dallas	9.6	9.2	9.6	10.2	9.0	9.0	8.9	9.0	9.2	8.8	8.9
Davis	12.0	11.9	11,0	10.1	10.8	12.0	9.5	13.2	11.5	12.8	10.5
Decatur	12.7	12.6	11,4	12.1	13.3	13.3	9.8	15.0	14.0	10.1	12.2
Delaware	9.5	9.1	8.6	8.2	9.5	9.2	9.5	8.7	9.8	8.9	9.6
Des Moines	10.7	11.6	11.7	9.9	11.2	11.6	9.8	9.3	10.7	8.7	10.1
Dickinson	10.7	10.8	11.7	9.7	9.5	10.5	10.9	10.1	11.1	9.7	8.6
Dubuque	9.7	9.9	8.8	8.6	9.0	8.7	8.9	8.7	8.6	9.0	8.6
Emme t	11.6	13.5	10.5	11.4	10.4	11.5	11.9	10.7	10.5	10.0	11.9
Fayette	11.8	12.2	12.2	11.8	12.3	12.2	11.1	10.9	11.4	11.5	10.2
Floyd	11.9	12.8	12.2	9.8	11.3	12.9	9.5	11.0	11.7	10.2	
Franklin	10.6	12.0	13.2	13.1	10.0	11.2	11.9	10.2	10.2	10.4	11.8
Fremont	12.6	14.8	14.7	16.1	14.2	12.2	14.2	13.3	13.6	13.1	12.7
Greene	14.1	12.2	14,9	13.6	12.3	13.8	13.2	12.4	11.3	13.7	11.2
Grundy	9.7	10.8	11.7	10.0	10.4	10.2	8.2	9.6	10.4		
Guthrie	13.0	13.4	17,3	15.0	14.0	13.2	13.2	14.4	15.0	8.6	9.6
Hamilton	11.0	12.1	11.8	10.0	10.1	9.7	9.8	11.1	11.3	12.6	13.8
Hancock	10.3	8.8	11.3	10.2	9.3	10.4	9.6	10.6	9.6	9.2	9.1
Hardin	12.4	12.1	11.4	12.1	12.7	11.5	11.3	10.6		10.7	11.5
Harrison	13.4	12.0	13.9	13.4	10.9	12.8	11.7	11.7	10.7	12.1	11.2
Henry	8.8	10.9	10.3	11.6	9.8	11.3	10.6	9.7	12.5	12.1	12.5
Howard	12.6	10.9	12.3	14.4	12.1	13.2	13.2	12.5	10.6	9.5	11.0
lumbol dt	12.6	9.2	10.8	10.0	10.8	10.9	11.0	9.8	12.0	12.5	10.1
lda	13.7	10.3	13.4	13.4	12.4	11.6	11.3		10.7	9.2	11.1
lous	11.9	10.4	11.5	13.2	9.6	10.7		12.7	11.8	11.1	12.0
Jackson	10.5	12.4	10.4	10.9	10.0	10.7	10.7	11.1	11.7	9.7	10.4
Jasper	8.6	9.5	10.0	9.6	9.6		9.8	8.8	9.8	10.0	10.5
	_	,		7.0	7.0	9.2	9.3	10.5	8.6	9.4	9.4

^{*1989} rates were calculated with 1990 population counts; 1989 population estimates were not available.

Table 2. Estimated Death Rates Per 1,000 Population in Iowa Counties, 1980-1990 (continued).

County	1990	1989*	1988	1987	1986	1985	1984	1983	1982	1981	1980
Jefferson	9.4	8.9	9.6	9.8	10.2	10.0	10.4	10.9	10.2	10.4	9.4
Johnson	4.5	4.8	4.9	5.3	5.2	5.6	5.2	5.4	4.8	4.7	4.8
Jones	9.9	8.9	9.8	9.0	10.1	9.1	8.5	8.8	8.5	10.2	8.2
Keokuk	14.2	13.0	14.3	12.7	12.0	13.4	13.4	14.6	12.1	14.8	12.8
Kossuth	10.6	10.2	10.3	9.8	10.2	9.7	9.2	10.3	10.7	9.6	9.9
Lee	10.3	10.9	11.4	10.7	10.9	10.9	9.2	10.9	9.5	10.7	10.6
Lim	7.3	7.6	7.5	7.5	7.8	7.4	7.0	7.7	7.2	7.2	7.5
Louisa	10.4	8.9	11.3	9.0	10.0	8.4	8.6	9.0	10.1	9.8	9.1
Lucas	14.2	15.3	13.3	11.1	11.8	15.2	11.7	12.3	12.6	12.6	11.2
Lyon	9.6	10.7	7.9	9.6	11.0	9.6	9.4	9.3	8.2	8.1	10.4
Madison	12.5	11.5	12.4	11.3	12.6	12.3	11.5	12.9	10.2	11.1	10.0
Mahaska	11.6	11.3	10.6	10.4	11.7	11.9	11.5	11.1	10.8	10.7	10.2
Marion	11.0	10.5	10.7	9.3	10.0	9.7	10.3	9.8	9.2	10.0	8.6
Marshall	12.7	13.1	10.7	11.6	9.7	10.7	10.0	10.5	10.0	9.8	10.3
Mills	9.8	11.1	9.2	11.2	10.6	10.2	9.5	8.3	10.7	9.1	9.9
Mitchell	13.5	13.7	12.2	14.4	9.3	13.1	13.5	14.0	12.4	11.3	11.5
Monona	15.5	14.3	14.7	13.7	14.1	16.2	15.2	14.5	13.9	12.0	12.2
Monroe	12.9	16.9	12.4	13.3	14.9	12.8	12.4	13.9	13.0	15.3	12.6
Montgomery	15.0	15.4	14.6	14.3	14.2	12.7	14.7	11.1	13.1	11.3	11.3
Muscatine	8.9	9.4	8.3	9.4	8.3	9.2	9.3	8.6	8.7	8.7	8.4
O'Brien	12.3	11.8	12.8	13.4	10.0	11.8	11.8	11.5	12.7	9.8	11.7
Osceol a	9.1	10.7	10.7	13.1	12.4	11.9	10.6	11.9	9.9	11.6	12.5
Page	13.6	12.7	13.7	13.9	13.5	14.1	12.6	13.7	13.0	14.9	11.7
Palo Alto	13.1	13.0	13.2	12.9	12.2	12.3	11.0	11.8	11.7	11.6	11.6
Plymouth	10.0	9.4	8.9	10.1	8.8	10.3	10.0	10.2	9.9	8.3	9.9
Pocahontas	12.7	13.9	15.5	12.3	10.7	13.5	13.1	11.7	15.9	11.7	14.9
Polk	7.8	7.9	8.0	7.8	7.9	8.1	7.8	8.0	7.7	7.8	8.1
Pottawattamie	9.0	8.8	9.4	9.3	8.5	9.1	9.1	8.8	8.6	8.9	9.1
Poweshiek	10.3	10.2	10.9	10.1	10.6	10.3	11.1	9.2	10.1	9.7	9.9
Ringgold	15.5	12.0	13.1	14.4	14.5	15.2	11.7	12.2	12.1	14.6	13.7
Sac	14.4	14.4	13.1	13.2	13.3	13.3	12.5	13.1	13.6	12.4	10.4
Scott	7.3	8.1	7.8	7.8	7.9	7.4	7.6	7.7	6.8	7.5	7.3
Shelby	11.4	12.2	11.6	10.4	10.5	10.5	9.1	10.7	9.7	10.5	11.2
Sioux	7.6	8.0	8.4	7.9	7.8	9.0	7.6	7.4	7.6	7.5	7.7
Story	5.6	5.5	5.7	5.8	5.8	5.8	4.9	5.4	5.6	5.0	5.6
Tama	13.0	12.0	9.6	10.7	11.1	12.1	10.8	10.4	9.6	12.3	10.8
Taylor	14.8	18.7	13.1	15.7	15.8	12.3	12.9	15.2	15.1	15.1	13.6
Union	13.1	12.2	13.3	13.5	12.8	12.6	12.2	13.1	12.3	12.5	11.0
Van Buren	11.3	15.4	16.3	13.0	14.1	13.9	9.8	14.3	12.7	11.4	13.8
Wapello	13.3	12.9	13.0	11.9	13.4	11.4	13.0	12.4	11.1	11.9	12.4
Warren	7.9	7.5	7.8	6.6	6.8	6.8	7.3	6.5	6.4	6.2	6.5
Wash ington	11.0	11.1	10.5	11.0	10.4	11.7	11.2	11.2	9.2	10.0	10.3
Wayne	13.0	13.6	14.6	14.7	16.8	18.2	14.2	16.3	12.1	17.5	15.6
Webster	11.2	11.4	11.9	11.7	10.6	10.9	10.6	10.9	10.8	10.7	10.3
Winnebago	11.4	10.3	12.1	11.9	9.4	10.8	11.7	10.7	10.6	11.4	10.2
Winneshiek	10.5	8.8	9.0	8.3	10.1	10.3	9.3	10.0	8.1	8.5	8.2
Woodbury	9.6	9.7	10.3	9.7	9.6	9.5	9.5	9.7	10.1	9.6	9.8
Worth	14.4	10.8	14.0	12.0	12.3	12.0	11.3	12.0	11.1	11.4	10.2
Wright	12.5	11.6	12.7	12.2	12.3	12.7	11.8	11.1	12.3	13.0	12.7
State of Iowa	9.7	9.8	9.8	9.6	9.5	9.7	9.3	9.5	9.2	9.2	9.3

Differences between county birth rates in 1980 and 1990 generally mirror the decline reported for the state. No county had a higher birth rate in 1990 than in 1980. Eleven had birth rates in 1990 that were less than a point lower than their rates for 1980. But the differences were at least five points in 12 counties. Five (Bremer, Mills, Palo Alto, Ringgold, Sioux) of these had rates in 1990 that were at least six points lower than at the beginning of the period.

For the most part, death rates changed far less than did birth rates. Sixty-five counties had higher death rates in 1990 than in 1980, as did the state. But in only six counties (Audubon, Lucas, Monona, Montgomery, Sac, Worth) was the rate three or more points higher at the end of the period than at the beginning. Among the 30 counties where the death rates were lower in 1990 than 1980, only one (Osceola) dropped by more than three points.

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 1981 through 1989 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 (lowa 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, 1990," 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).

Births, Out-of-Wedlock Births, and Births to Teens in Iowa's Counties: 1980-1989

Sandra Charvat Burke, Iowa State University Willis Goudy, Iowa State University Michael Dare, Iowa Department of Public Health

Births to lowa residents are attributed to the county of residence of the mother. This information is collected annually by the lowa Department of Public Health. In 1989, there were 38,916 births to lowans, a decrease of 18.6% from the 47,797 births in 1980 (Table 1).

Births in Iowa's counties in 1989 varied from as few as 53 in Ringgold to a high of 5,545 in Polk. Polk had the highest number of births each year in the period, while either Adams or Ringgold had the lowest.

The state had annual declines in births from 1980 to 1987, but these numbers increased in both 1988 and 1989. All counties had at least one year of increase during the time period. When 1980 and 1989 were compared, however, all counties except four (lda, +2; lowa, +7; Johnson, +21; Polk, +458) showed a decline (Table 3). Black Hawk, with 695 fewer births in 1989 than in 1980, had the largest decrease. Sixty-eight counties declined by less than 100 births.

Out-of-Wedlock Births

Even though births declined in lowa between 1980 and 1989, the number of births out of wedlock increased. The 7,552 out-of-wedlock births in 1989 was an increase of 54.3% from the 4,895 in 1980 (Table 1). The increase of 822 out-of-wedlock births from 1988 to 1989 was by far the largest annual increase since 1980. Indeed, nearly all of lowa's increase in births from 1988 to 1989 (+846) was in the out-of-wedlock category (+822).

In each year from 1980 through 1989, Polk county had the highest number of out-of-wedlock births; Scott was second highest. Ringgold's four out-of-wedlock births was the lowest number of any county in 1989. Thirty-five counties had 25 or fewer out-of-wedlock births in any of the 10 years.

Out-of-wedlock births occurred disproportionately in large, urban counties. In 1980, the six counties (Black Hawk, Linn, Polk, Pottawattamie, Scott, Woodbury) with the highest number of out-of-wedlock births together accounted for 51.3% of such births but only for 34.5% of the total births. In 1989, the same six counties recorded 50.2% of the out-of-wedlock births and 38.3% of all births.

Between 1980 and 1989, out-of-wedlock births increased each year for lowa, although every county had at least one year when these numbers declined. A total of 89 counties had more out-of-wedlock births in 1989 than in 1980 (Table 3). The increases ranged from 1 to 538. For 51 of the 75 counties that gained, the increase was less than 15. Black Hawk, Dubuque, Linn, Polk, Scott, and Woodbury increased by more than 100. Indeed, Polk's gain of 538 accounted for 20.2% of the increase for the entire state. Ten counties had fewer out-of-wedlock births in 1989 than in 1980. The declines in these counties ranged from 1 to 8.

Table 1. Births and Out-of-Wedlock Births in Iowa Counties, 1980-1989.

	1	989	1	988	19	987	1	986	1	985	19	84	19	283	19	82	11	981	1	980
		Out of Wedlock		Out of Wedlock		Out of	•	Out of Wedlock		Out of Wedlock	u	Out of edlock		Out of	u	Out of		Out of		Out of Wedlock
County	RILLUS	Births	Births	Rictus	Births	BILLUS	BIFTIS	Births	BILLUS	BIFTHS	Births (sirtns	BIFTES	BILLUS	Births E	sirtns	Births	BIFTERS	Births	BIFTIS
Adair	109	11	86	9	94	9	111	6	122	7	114	4	115	3	143	8	125	12	166	5
Adams	70	13	74	3	63	6	55	2	73	6	73	7	64	6	80	3	64	5	94	5
Allamakee	214	35	201	25	202	40	210	17	219	32	219	21	220	21	237	16	249	22	252	21
ppanoose	166	51	167	36	162	24	180	16	188	33	197	21	194	33	184	22	229	31	241	28
udubon	83	7	82	5	95	7	89	8	111	13	135	8	120	6	119	9	112	8	151	12
lenton	292	49	286	34	283	29	295	37	309	29	328	23	291	29	307	28	349	24	414	41
lack Hawk	1687	491	1628	482	1621	409	1739	443	1947	444	2093	428	2096	362	2245	384	2332	371	2382	374
oone	309	47	347	58	318	37	295	38	326	34	333	30	347	25	367	34	384	32	395	29
remer	256	24	233	18	242	23	267	18	297	22	306	18	320	9	367	21	398	25	417	14
uchanan	336	52	310	36	325	42	287	28	367	44	381	45	393	26	454	41	448	24	447	26
uena Vista	253	25	302	43	263	30	294	19	314	27	290	22	302	20	313	16	344	12	322	1:
utler	180	26	189	25	179	19	209	11	201	10	242	12	259	22	255	12	236	10	284	. 8
alhoun	124	22	111	13	145	16	152	9	149	14	140	4	171	18	196	13	170	16	204	. 10
arroll	292	32	312	18	338	35	361	32	373	23	384	18	416	32	384	25	416	31	436	2
SS	192	33	190	22	163	16	204	17	200	14	255	22	228	12	254	16	286	19	241	1
edar	224	38	197	23	189	27	195	17	251	25	253	28	259	21	266	20	285	25	260) 1
erro Gordo	657	144	623	114	625	130	656	91	<i>7</i> 25	95	679	84	709	79	714	82	720	70	728	3 6
nerokee	177	19	169	24	166	17	211	20	199	20	207	23	229	14	231	15	245	17	238	3 2
nickasaw	182	26	170	21	154	17	201	22	177	22	224	16	224	15	265	25	260	16	258	3 1
larke	121	22	112	19	114	15	109	10	116	17	104	10	112	11	136	12	122	4	126	5 1
lay	260	39	222	28	237	36	243	33	270	22	260	30	305	25	357	33	314	32	347	7 2
ayton	262	35	234	33	250	23	256	35	298	25	282	17	306	20	327	20	364	18	343	3 1
inton	674	140	676	151	689	124	707	115	753	88	788	99	775	88	855	92	882	103	920	9
awford	204	34	256	37	277	24	247	18	263	38	256	25	323	35	294	30	300	17	32	1 1
llas	445	74	384	55	423	61	391	37	402	42	454	43	461	53	428	41	432	40	460	5 4
vis	116	18	115	9	110	9	124	8	134	8	128	11	148	9	137	13	149	9	149	9
catur	99	16	98	9	110	16	95	10	106	12	112	7	107	8	136	7	125	6	12	
laware	264	28	290	31	284	32	281	26	320	18	311	12	341	20	362	21	331		40	
s Moines	582	172	560	115	540	101	518	105	670	107	650	105	657	89	670	91	742			
ckinson	158	19	147	17	175	30	165	19	177	17	195	10	178	25	227	9				
	1184	215	1192	156	1253	166	1199	151	1278	155	1362	170	1375	155	1447	160				
buque		20	139	19	144	17	139	18	159	21	160	15	196	26	200	21	214			
nmet	121				263	23	278	26	298	31	357	32	362	27	404	48	380			
ayette	279	43	297	25	203	23	218	20	248	31	301	26	302	21	404	48	380	28	40:	,

Table 1. Births and Out-of-Wedlock Births in Iowa Counties, 1980-1989 (continued).

	1	989	19	88	11	987	1	986	19	85	19	984	19	83	198	32	19	81	19	980
County		Out of Wedlock Births		Out of edlock Births	Births	Out of Jedlock Births		Out of Wedlock Births		Out of Medlock Births		Out of Jedlock Births	Births	Out of ledlock Births		Out of edlock lirths		Out of Jedlock Births	Births	Out of Wedlock Births
							 -				****	······························			·····					
Floyd	220	47	197	33	208	32	213	24	236	36	241	35	285	27	250	24	276	30	259	12
Franklin	132	14	136	18	139	18	148	14	173	15	193	14	165	9	176	5	191	12	195	10
Fremont	98	19	103	20	103	14 19	124	16	116	17	117	12	124	12	117	11	132	10	131	12
Greene	104	21 13	117	20	138		127	15	147	19	172	15	169	16	165	18	196	13	182	14
Grundy Guthrie	138 111	13 25	142 117	8 11	121 104	10 13	148 115	8 20	143 119	11 10	170 156	11 6	187 144	10 12	167 149	10	182 160	14 13	227 179	6 19
Hamilton	213	33	199	21	198	24	243	24			254	23	235	19		14				
Hancock	167	33 19	159	21	165	18	243 189	13	199 190	25 16	212	11	233 191	16	219 233	25 15	259 217	20 14	257 252	19 15
Hardin	214	33	224	38	218	20	233	24	270	30	283	24	311	26	324	24	318	19	348	23
Harrison	191	40	192	25	225	33	230	25	227	24	217	24	200	22	217	24	221	13	254	29
Henry	224	46	248	30	236	31	250	25	238	27	264	19	260	22	270	27	278	20	303	27
Howard	126	15	111	14	146	10	141	11	137	7	161	14	163	14	169	16	158	3	184	6
Humboldt	136	10	143	14	138	14	149	15	163	16	186	15	178	9	189	11	191	10	188	8
Ida	150	12	122	5	112	9	118	9	135	6	148	11	146	6	117	6	159	6	148	5
Iowa	236	21	178	18	179	12	215	15	182	15	216	12	217	11	216	12	230	20	229	8
Jackson	255	43	275	39	290	29	282	34	345	39	325	27	349	35	357	34	371	35	370	32
Jasper	461	61	446	52	438	60	418	46	472	55	462	44	440	49	524	50	506	44	530	30
Jefferson	202	31	208	24	178	13	218	22	222	13	224	19	233	15	209	21	210	9	217	16
Johnson	1297	138	1330	117	1285	131	1278	91	1326	97	1306	89	1254	94	1299	88	1350	80	1276	71
Jones	236	35	240	43	216	28	220	25	290	35	262	29	275	28	280	27	272	25	323	33
Keokuk	152	17	160	15	147	19	137	8	157	12	185	15	185	10	166	7	199	8	223	18
Kossuth	240	25	245	19	249	17	265	19	262	21	295	16	350	20	344	13	332	15	397	27
Lee	492	149	509	131	544	128	526	105	589	112	582	97	596	108	623	92	663	98	693	94
Linn	2507	522	2465	482	2373	392	2345	441	2450	366	2499	356	2479	350	2642	338	2567	329	2826	341
Louisa	149	28	141	24	167	28	144	14	145	14	161	16	172	14	178	17	201	19	172	17
Lucas	93	14	111	18	101	10	113	22	110	18	132	18	115	15	164	24	135	9	170	15
Lyon	167	9	183	6	176	9	160	11	183	6	194	6	207	2	214	9	238	9	236	7
ladi son	167	28	161	19	138	14	140	15	164	13	154	14	150	15	158	7	155	10	197	10
tahaska	316	60	295	43	296	54	326	43	318	35	325	36	339	29	342	26	331	30	400	36
Marion	398	51	363	45	405	37	368	28	439	39	403	35	434	39	463	36	439	42	449	25
4arshall	488	92	488	94	455	71	520	70	555	74	588	55	622	69	617	58	654	55	673	60
Hills	168	28	154	41	173	27	171	22	167	27	192	20	173	16	174	20	212	24	225	24
Mitchell	127	15	137	17	133	7	147	10	148	6	149	9	173	13	154	14	171	11	196	10

Table 1. Births and Out-of-Wedlock Births in Iowa Counties, 1980-1989 (continued).

	1	989	1	988	1	987	19	986	19	785	19	984	19	83	19	982	19	81	198	80
County	_	Out of Wedlock Births		Out of Wedlock Births		Out of Wedlock Births	L.	Out of Medlock Births	i	Out of Hedlock Births		Out of Wedlock Births		Out of Jedlock Births		Out of Wedlock Births		Out of Jedlock Births		Out of edlock Births
Monona	113	26	105	18	110	21	129	20	105	9	140	14	176	15	157	14	161	14	179	13
Monroe	96	17	88	7	107	18	104	17	109	14	122	16	120	9	111	10	135	10	133	13
Montgomery	150	29	148	29	153	12	136	11	152	17	179	18	189	16	183	12	187	10	205	17
Muscatine	682	137	615	118	560	99	635	113	632	101	635	103	709	82	754	112	<i>7</i> 32	92	714	90
O'Brien	195	16	173	18	184	11	206	8	213	18	235	15	263	16	274	11	287	15	279	18
Osceol a	100	6	104	9	87	7	88	3	107	3	105	3	131	10	124	4	127	5	137	5
Page	220	41	209	28	189	27	183	27	235	34	204	27	226	27	237	21	266	20	270	23
Palo Alto	140	19	133	15	122	8	134	14	181	10	162	16	215	15	184	14	214	13	209	17
Plymouth	310	40	311	29	353	35	376	32	334	15	409	27	415	18	392	23	455	25	427	20
Pocahontas	110	10	135	12	109	7	121	7	167	3	150	13	160	13	150	5	149	7	160	7
Polk	5545	1302	4998	1145	4987	1085	4956	989	5087	923	4909	833	4974	869	4969	797	5093	829	5087	764
Pottawattamie	1281	327	1295	326	1252	301	1328	282	1334	253	1379	254	1426	259	1411	231	1469	261	1468	237
Poweshiek	226	28	203	30	187	25	223	26	220	15	220	17	244	29	254	21	261	18	247	18
Ringgold	53	4	56	8	60	5	45	3	78	10	84	7	71	2	107	8	80	3	86	3
Sac	153	17	142	16	149	13	153	13	177	13	182	13	175	13	183	7	235	16	235	14
Scott	2376	721	2368	656	2292	575	2545	640	2543	531	2647	515	2641	491	2751	465	2824	484	2954	476
Shelby	163	15	170	13	172	9	160	13	171	7	237	8	211	13	240	22	189	10	253	13
Sioux	432	21	471	20	457	26	494	14	511	18	519	11	574	17	560	11	584	8	636	19
Story	874	62	949	80	933	73	944	64	1035	59	1039	46	1075	50	1010	54	1054	50	1055	57
Tama	218	54	207	34	233	37	227	41	250	42	260	39	269	22	285	31	259	25	289	27
Taylor	79	12	73	5	86	10	71	5	91	7	102	5	102	6	133	8	119	5	135	6
Union	166	28	143	20	152	3 0	167	27	150	38	165	20	190	21	192	28	226	26	212	31
Van Buren	93	8	123	11	103	10	94	8	107	16	111	7	111	10	117	7	136	6	126	14
Wapello	484	96	420	78	446	94	467	79	468	8 0	534	91	480	79	564	77	547	64	597	77
Jarren	499	68	483	69	487	34	466	42	506	38	489	40	485	42	495	46	514	42	551	33
Washington	301	45	280	29	298	32	273	35	269	25	307	28	282	23	290	19	293	22	326	17
layne	77	9	89	16	<i>7</i> 5	6	75	10	96	3	94	10	84	6	93	7	105	10	123	12
<i>l</i> ebster	605	142	589	143	595	106	574	119	631	120	631	129	671	114	733	111	675	102	760	110
Ji nnebago	165	23	164	16	152	14	171	13	162	7	170	9	172	14	178	15	162	13	197	20
/inneshiek	269	20	272	19	269	12	288	20	287	16	321	21	321	28	309		300	17	327	2
loodbury	1496	425	1582	435	1542	409	1457	334	1652	341	1601	359	1645	318	1691			310		
orth (107	22	100	14	98	12	103	17	117	10	115	11	110	6	130			7	127	J
<i>I</i> right	191	28	174	26	177	18	171	19	196	18	203	23	206	19	208			21		2
State of Iowa	38014	7552	38070	6730	37866	6142	38748	5811	41182	5585	42360	5315	43247	5168	44716	5062	45918	4938	47797	4895

Table 2. Teen Births and Teen Out-of-Wedlock Births in Iowa Counties, 1980-1989,

		1989		1988	•	1987		1986		1985	1	1984	4	1983	,	1982	1	981	,	1980
	***************************************	Teen Out of		Teen Out of	<u>તાના ના નુકાના તા</u>	Teen Out of	<i>ન્યું તેને તેને કું</i>	Teen Out of	ATTENDED TO THE PERSON OF THE	Teen Out of	ાનું હાલું હતું કરવા કરવા કરવા કરવા છે. જો હતું હતું હતું હતું હતું હતું હતું હતું	Teer Court o								
	Teen	Wedlock	Teen	Wedlock	Teen	Wedlock	Teen	Wedlock	Teen	Vedlock	Town	Wedt ock	1 ##1	Wedi ock	T week's	Hedlack	T ##m	wedlack	Teer	Wedt ack
County	Births	8irths	Births	Births	# in the	Births	Births	Births	Births	Births	Births	s Hirths								
Adair	6	6	6	5	8	4	10	3	7	' 2	ø	1	ħ	ø	13	4	14	4	21) 2
Adams	8	6	2	0	7	4	3	1	4	. 2	Ć.	3	y	3	6	1	3	1	13	3 3
Allamakee	27	18	13	10	23	15	19	8	19	13	21	7	16	, Ø	28	12	31	13	31	1 8
Appanoose	25	17	20	14	24	12	24	7	23	7	19	8	33	12	28	10	40	15	50	0 12
Audubon	7	2	9	0	6	3	10	4	5	3	16	4	9	4	15	3	15	7	21	1 9
Benton	22	15	14	10	28	. 14	24	14	17	9	33	13	34	12	30	12	27	11	55	5 26
Black Hawk	226	181	183	149	195	147	204	159	238	174	250	172	228	149	273	173	286	168	335	5 183
Boone	32	23	35	21	17	8	23	13	30	16	22	10	23	10	30	15	42	13	45	5 13
Bremer	14	10	14	6	18	9	14	8	27	10	22	9	19	4	30		41	13	5.6	6 10
Buchanan	26	18	24	18	25	12	30	14	36	18	38	15	35	13	57	19	59	18	45	5 14
Buena Vista	15	6	29	23	13	9	20	6	19	11	21	5	20	7	27	9	26	4,	3.3	3 8
Butler	13	10	13	5	10	6	16	6	26	6	16	4	34	. 11	22	4	22	6	40	3
Calhoun	8	7	6	3	7	5	2	1	10	5	3	1	8	5	20	4	17	4	19	9 7
Carroll	19	17	10	7	21	15	27	13	20	7	16	4	32	15	39	18	40	20	31	1 13
Cass	16	12	13	8	8	2	9	4	15	. 4	29	7	18	4	21	5	21	8	23	3 6
Cedar	19	12	10	7	16	10	5	3	22	12	24	11	50	8	29	9	30	11	26	6 6
Cerro Gordo	77	54	62	49	57	41	43	29	57	30	54	31	62	28	56	21	74	28	65	9 24
Cherokee	10	5	12	8	4	2	7	4	14	6	50	11	17	6	SC	8	24	7	26	6 10
Chickasaw	13	7	10	7	18	9	16	8	16	11	14	6	15	7	34	12	25	ø	26	8 6
Clarke	13	5	21	8	17	6	7	1	10	5	12	4	11	4	18	9	18	1	74.4	2 5
Clay	16	11	20	12	19	13	16	11	15		17	9	24	13	35	13	36	16	hal	4 14
Clayton	23	15	14	10	26	12	27	15	31	15	20	9	24	7	36	10	44	9	39	9 11
Clinton	76	53	71	47	68	52	85	49	69	33	89	49	109	56	77	, 30	111	47	127	7 43
Crawford	15	10	18	12	17	5	10	5	24	12	24	Ģ	37	19	40	17	33	9	50	0 10
Dallas	49	30	31	19	37	24	32	14	27	12	32	15	46	22	30	13	51	16	44	4 19
Davis	9	4	9	2	8	2	6	2	15	5 5	7	3	26	3	14	, 7	19	4	21	
Decatur	7	4	13	5	15	7	10	5	8	3	11	1	Q		14	. 2	11	2	21	,
Delaware	20	12	18	10	14	9	18	13	20	10	12	5	12	5	29		33	13	57	
Des Moines	75	54	65	39	64	39	75	41	66	31	71	36	78	38	86		178	49	116	
Dickinson	12	5	9	5	16	9	13	9	11	5	14	1	19	14	18		21	8	24	
Dubuque	106	86	88	58	80	48	88	57	109	65	116	78	122	79	127	75	158	70	152	
Emmet	14	11	11	8	15	7	19	8	15	7	13	8	20	ø	21	11	29	11	16	
Fayette	31	18	16	. 8	23	11	24	. 14	28	13	34	13	27		52		44	12	35	

Table 2. Teen Births and Teen Out-of-Wedlock Births in Iowa Counties, 1980-1989 (continued).

	1	989	•	1988		1987	1	1986		1985		1984	1	983		1982		1981		1980	
County				Teen Out of Wedlock Births					Teen	Teen Out of Wedlock			Teen I		Teen		Teen	Teen Out of Wedlock	Teen	Tee Out o	of :k
		B ; ; (1)3	D11 (113		B 11 (113	- Bii tiis	o i i tirs	BII (IIS	6 11 (11)	s births	BILLIE	s Births	BII ths	BILLUS	BILLUS	Births	611 tus	BITTIS	births	s Births	s -
Floyd	25	17	22	13	18	16	29	16	28	3 14	2	9 14	37	15	27	7	32	2 15	24		7
Franklin	11	8	11	7	12	8	11	8	12	2 5	18	8 6	7	3	17	7 3	16	5 6	20	o 7	2
Fremont	18	14	16	9	11	6	11	4	15	5 8	1	2 2	14	6	12	2 3	16	5 2	17	7	3
Greene	15	10	12	9	17	11	10	6	13	5 6	1:	3 5	20	8	24	11	25	5 8	24	4 (5
Grundy	12	8	5	3	9	4	10	4	12	2 7	;	8 1	14	5	9	3	13	5 5	18	8	3
Guthrie	15	8	7	3	11	4	7	5	12	2 5	1	2 2	20	8	17	7 5	14	4 6	2	2	7
Hamilton	22	13	18	7	24	14	16	7	15	5 6	2	6 10	19	6	25	5 13	38	B 15	2:	3 1	10
Hancock	10	9	12	8	9	4	11	6	7	7 3	1:	3 5	17	8	22	2 9	15	5 5	2	.3	4
Hardin	17	12	16	14	17	9	12	5	22	2 13	2	0 8	19	7	30	9	3	1 9	4	5 1	14
Harrison	18	8	13	6	25	15	25	9	26	5 13	2	5 11	26	10	3	2 11	20	6 8	4	2 1	16
Henry	28	16	31	15	21	13	25	16	21	1 14	2	2 6	17	5	20	0 5	2	5 9	3	18 1	10
Howard	8	5	9	5	12	4	10	4	6	5 2	1	0 4	19	7	18	8 8	1	8 1	2	22	5
Humbol dt	4	1	11	8	6	5	13	8	21	l 10	10	6 6	14	3	10	4 6	1	8 6	2	26	4
[da	12	6	2	1	11	6	5	3	8	3	1.	2 6	7	2	•	9 2	1	4 3	1	14	1
lowa	18	12	9	3	5	3	15	7	13	5 5	1	6 7	14	4	2	4 7	2	2 8	1	18	4
Jackson	24	16	23	15	22	12	22	12	34	20	3	1 11	40	14	4	9 18	4	2 16	, (60 ;	20
Jasper	43	25	42	19	31	21	41	14	56	5 28	5	0 19	51	19	6	9 24	5	6 17	' (68	16
Jefferson	18	14	13	12	5	3	11	4	12	2 5	1	4 7	19	3	2	6 11	1	18 3	3 ;	21	7
Johnson	59	44	42	32	53	41	41	20	54	29	5	0 22	44	22	5	5 20	5	59 23	3	55	20
Jones	18	10	21	16	9	9	13	6	12	2 5	3	0 12	30	10	3	0 12	? 2	23 5	5	41	19
Keokuk	12	4	20	6	13	8	9	3	9	7 1	1	5 4	22	6	2	1 3		21 4	•	28	10
Kossuth	19	11	18	8	18	8	16	8	18	3 13	2	1 9	22	8	2	7 6	, ,	29 10	0	42	15
Lee	77	57	60	42	68	49	76	45	85	5 46	8	1 39	93	47	7	2 29	, ,	93 4!	5 1	106	47
Linn	256	188	232	189	242	153	228	163	215	125	21	9 135	233	141	25	2 138	3 26	67 156	0 3	356 1	158
Louisa	18	8	17	12	22	13	12	5	14	4	1	9 7	20	6	. 2	24 8	3 2	27 1	1	27	8
Lucas	10	3	13	8	14	4	17	7	15	5 7	1	9 7	16	. 4		26 11		19	5	29	6
Lyon	12	5	11	3	9	3	13	5	17	7 3	1	1 4	6	0	. 1	14 3	5	18	5	15	3
Hadison	18	9	16	6	11	3	15	5	16	5 9	1	2 4	15	5		20 4			3	27	4
lahaska	37	17	37	19	25	16	35	20	37		2					36 12		39 1		61	22
farion	35	19	33	20	34	14	26	10	45		4				_	6 16		66 2		62	13
larshall	52	35	45	34	37	21	43	25	44			2 21				51 26		61 2		79	28
	19	10	22	17	11	9	12	7	15			2 6) 20 1 7 7		01 Z. 31 12		27	12
4ills Hitchell	11	10 8	6	5	7	4	6	4	10	-		67				4 8				23	7

Table 2. Teen Births and Teen Out-of-Wedlock Births in Iowa Counties, 1980-1989 (continued).

		1989		1988	19	87		1986	1	1985	19	984	1	983	•	1982	19	81	1	1980
	Teen	Teen Out of Wedlock		Teen Out of Wedlock		Teen Out of	Teen	Teen Out of Wedlock		Teen Out of Wedlock		Teen Out of	Teen	Teen Out of Wedlock	Teen	Teen Out of		Teen Out of ledlock	Teen	Teer Out of Wedlock
County				Births																
Monona	12	8		3 4	11	6	13	7	8	2	19	7	14	7	17	8	25	7	23	8
Monroe	8	6	11	1 3	13	8	11	7	11	3	13	5	11	3	14	, 1	15	5	15	6
Montgomery	21	12	18	3 13	7	3	12	? 7	10	6	16	7	19	6	21	6	20	3	24	6
Muscatine	84	50	82	42	72	31	81	42	73	38	92	43	104	32	116	45	132	44	114	39
O'Brien	14	6	11	1 8	12	6	13	5 5	9	4	17	4	15	4	34	, 4	38	7	31	9
Osceola	8	5	7	7 4	4	2	2	. 1	4	. 1	8	2	10	3	7	1	12	2	11	
Page	38	22	18	3 10	18	10	20	6	30	13	27	10	30	10	26	11	34	10	40	12
Palo Alto	13		8	_	3	1	8		7	2	11	4	24		15		26	8	30	
Plymouth	31		15	5 8	21	14	32		17	8	27	12	19		29		46	13	36	
Pocahontas	4	3	4		5	3	7	4	5	1	10	4	12		7	, 2	14	5	16	
Polk	634	481	570	430	561	388	483	317	531	331	491	292	545		579	313	658	353	664	
Pottawattami <i>e</i>			162		150	102	171		162		188	111	204		207		266	135	258	
Powesh i ek	19		10		13	3	22		12		16	5	29		35		25	6	29	
Ringgold	3	1	3	3 1	4	2	3	. 1	5	3	8	1	7	1	11		10	1	11	
Sac	13	9		5 4	14	5	10) 4	13	4	14	5	11	4	11		24	9	26	
Scott	327	273	288	3 234	262	212	349		302		314	212	299	196	327		365	222	432	
Shelby	12		9	_	10	5	8		5	2	15	6	19		22		23	6	24	
Sioux	21		31	1 13	34	17	26		27	· 7	31	7	28	_	43	_	42	4	57	
Story	35		44		37	18	46		50		41	16	56		70		63	18	82	
Tama	26		14		21	13	21		29		33	19	21	11	32		30	13	38	
Taylor	8	2		5 2	9	4	8		4	. 1	11	1	10	2	15		18	4	18	
Union	19	10	10		13	8	11	•	11	8	11	7	22		21		32	9	30	
Van Buren	6	4	•	_	8	2	9	_	7	2	11	2	14		13		14	,	19	
Wapello	66		46	5 22	62	37	79	35	70	33	72	35	65		88		84	27	94	
Warren	41		50		33	9	33		53		32	14	39		56		70	23	58	
Washington	32		20		25	14	24		21	8	30	10	21	8	20		31	8	29	
Wayne	7	3	16		7	2	11		10		11	2	10	_	13		17	,	22	
Webster	78	58	71		70	49	67		77		79	55	86		91		91	6 47	124	
Websiter Winnebago	23		11	_	10	5	11		14		18	5	15		18		17	7	23	
Wirmebago Winneshiek	9	_	10	_	14	5	15	_	20		16	10	29		19		26	, E	23 27	
	203	_	199		202	156	166		210		194	131	212		231		245	131	275	
Woodbury Worth	203		10	_	5	, JO	. 6		6	•	174	2	5	130	231		12	121	13	
wortn Wright	21		10		14	8	7	7	26		19	7	24	9	25		25	10	25	
												<u>. </u>								
State of Iowa	4017	2786	3540	2428	3507	2237	3567	2135	3835	2091	3993	2048	4284	2091	4767	2131	5339	2260	5958	2274

Table 3. Comparisons of Births, Out-of-Wedlock Births, and Births to Teens in Iowa Counties, 1980 and 1989.

	1989 8 i 1980 B i	rths Minus rths	% of 8 Out of	irths Wedlock	Minus	en Births	% of Te Out of	en Births Wedlock	Teen B as a ' All B	% of	Teen Out-of Births as Out-of-Wed	
	Total	Out of Wedlock	1989	1980	Total	Out of Wedlock	1989	1980	1989	1980	1989	1980
Adair	-57	6	10.1	3.0	-14	4	100.0	10.0	5.5	12.0	54.5	40.0
Adams	- 24	8	18.6	5.3	-5	3	75.0	23.1	11.4	13.8	46.2	60.0
Allamakee	- 38	14	16.4	8.3	-4	10	66.7	25.8	12.6	12.3	51.4	38.1
Appanoose	- 75	23	30.7	11.6	-25	5	68.0	24.0	15.1	20.7	33.3	42.9
Audubon	-68	-5	8.4	7.9	-14	-7	28.6	42.9	8.4	13.9	28.6	75.0
Benton	-122	8	16.8	9.9	-33	-11	68.2	47.3	7.5	13.3	30.6	63.4
Black Hawk	-695	117	29.1	15.7	- 109	-2	80.1	54.6	13.4	14.1	36.9	48.9
Boone	-86	18	15.2	7.3	-13	10	71.9	28.9	10.4	11.4	48.9	44.8
Bremer	-161	10	9.4	3.4	-42	0	71.4	17.9	5.5	13.4	41.7	71.4
Buchanan	-111	26	15.5	5.8	-19	4	69.2	31.1	7.7	10.1	34.6	53.8
Buena Vista	-69	10	9.9	4.7	-18	-2	40.0	24.2	5.9	10.2	24.0	53.3
Butler	-104	18	14.4	2.8	-27	7	76.9	7.5	7.2	14.1	38.5	37.5
Calhoun	- 80	6	17.7	7.8	-11	0	87.5	36.8	6.5	9.3	31.8	43.8
Carroll	-144	5	11.0	6.2	-12	4	89.5	41.9	6.5	7.1	53.1	48.1
Cass	-49	16	17.2	7.1	-7	4	75.0	34.8	8.3	9.5	36.4	47.1
Cedar	-36	23	17.0	5.8	-9	6	63.2	21.4	8.5	10.8	31.6	40.0
Cerro Gordo	-71	81	21.9	8.7	8	30	70.1	34.8	11.7	9.5	37.5	38.1
Cherokee	-61	-8	10.7	11.3	-16	-5	50.0	38.5	5.6	10.9	26.3	37.0
Chickasaw	- 76	12	14.3	5.4	-15	1	53.8	21.4	7.1	10.9	26.9	42.9
Clarke	-5	10	18.2	9.5	-9	0	38.5	22.7	10.7	17.5	22.7	41.7
Clay	-87	10	15.0	8.4	-28	-3	68.8	31.8	6.2	12.7	28.2	48.3
Clayton	-81	17	13.4	5.2	-16	4	65.2	28.2	8.8	11.4	42.9	61.1
linton	-246	50	20.8	9.8	-51	10	69.7	33.9	11.3	13.8	37.9	47.8
rawford	-117	16	16.7	5.6	-35	0	66.7	20.0	7.4	15.6	29.4	55.6
allas	-21	34	16.6	8.6	5	11	61.2	43.2	11.0	9.4	40.5	47.5
avis	- 33	10	15.5	5.4	-12	-1	44.4	23.8	7.8	14.1	22.2	62.5
ecatur	- 30	7	16.2	7.0	-14	0	57.1	19.0	7.1	16.3	25.0	44.4
elaware	-137	5	10.6	5.7	-37	-2	60.0	24.6	7.6	14.2	42.9	60.9
es Moines	-185	66	29.6	13.8	-41	13	72.0	35.3	12.9	15.1	31.4	38.7
ickinson	-71	5	12.0	6.1	-12	-4	41.7	37.5	7.6	10.5	26.3	64.3
ubuque	-400	103	18.2	7.1	-47	26	81.1	39.2	9.0	9.7	40.0	53.6
mme t	-106	5	16.5	6.6	-2	7	78.6	25.0	11.6	7.0	55.0	26.7
nnet Fayette	-126	13	15.4	7.4	-2 -4	5	78.8 58.1	37.1	11.1	7.0 8.6	41.9	20.7 43.3

Table 3. Comparisons of Births, Out-of-Wedlock Births, and Births to Teens in Iowa Counties, 1980 and 1989 (continued).

Table 3. Comparisons of Births, Out-of-Wedlock Births, and Births to Teens in Iowa Counties, 1980 and 1989 (continued).

	1989 Bi 1980 Bi	rths Minus rths	% of B Out of	irths Wedlock	Minus	en Births	% of Te Out of	en Births Wedlock	Teen B as a :	% of	Teen Out-of Births as Out-of-Wed	
	Total	Out of Wedlock	1989	1980	Total	Out of Wedlock	1989	1980	1989	1980	1989	1980
Floyd	-39	35	21.4	4.6	1	10	68.0	29.2	11.4	9.3	36.2	58.3
Franklin	-63	4	10.6	5.1	-9	6	72.7	10.0	8.3	10.3	57.1	20.0
Fremont	-33	7	19.4	9.2	1	11	77.8	17.6	18.4	13.0	73.7	25.0
Greene	-78	7	20.2	7.7	-9	5	66.7	20.8	14.4	13.2	47.6	35.7
Grundy	-89	7	9.4	2.6	-6	5	66.7	16.7	8.7	7.9	61.5	50.0
Guthrie	-68	6	22.5	10.6	-7	1	53.3	31.8	13.5	12.3	32.0	36.8
Hamilton .	-44	14	15.5	7.4	-1	3	59.1	43.5	10.3	8.9	39.4	52.6
Hancock	-85	4	11.4	6.0	-13	5	90.0	17.4	6.0	9.1	47.4	26.7
Hardin	-134	10	15.4	6.6	-28	-2	70.6	31.1	7.9	12.9	36.4	60.9
Harrison	-63	11	20.9	11.4	-24	-8	44.4	38.1	9.4	16.5	20.0	55.2
Henry	-79	19	20.5	8.9	-10	6	57.1	26.3	12.5	12.5	34.8	37.0
Howard	-58	9	11.9	3.3	-14	0	62.5	22.7	6.3	12.0	33.3	83.3
Humboldt	-52	2	7.4	4.3	-22	-3	25.0	15.4	2.9	13.8	10.0	50.0
1da	2	7	8.0	3.4	-2	5	50.0	7.1	8.0	9.5	50.0	20.0
Iowa	7	13	8.9	3.5	0	8	66.7	22.2	7.6	7.9	57.1	50.0
Jackson	-115	11	16.9	8.6	-36	-4	66.7	33.3	9.4	16.2	37.2	62.5
Jasper	-69	31	13.2	5.7	-25	9	58.1	23.5	9.3	12.8	41.0	53.3
Jefferson	- 15	15	15.3	7.4	-3	7	77.8	33.3	8.9	9.7	45.2	43.8
Johnson	21	67	10.6	5.6	4	24	74.6	36.4	4.5	4.3	31.9	28.2
Jones	-87	2	14.8	10.2	-23	-9	55.6	46.3	7.6	12.7	28.6	57.6
Keokuk	-71	-1	11.2	8.1	-16	-6	33.3	35.7	7.9	12.6	23.5	55.6
Kossuth	-157	-2	10.4	6.8	-23	-4	57.9	35.7	7.9	10.6	44.0	55.6
Lee	-201	55	30.3	13.6	-29	10	74.0	44.3	15.7	15.3	38.3	50.0
Linn	-319	181	20.8	12.1	- 100	30	73.4	44.4	10.2	12.6	36.0	46.3
Louisa	-23	11	18.8	9.9	-9	0	44.4	29.6	12.1	15.7	28.6	47.1
Lucas	-77	-1	15.1	8.8	-19	-3	30.0	20.7	10.8	17.1	21.4	40.0
Lyon	-69	2	5.4	3.0	-3	2	41.7	20.0	7.2	6.4	55.6	42.9
Madison	-30	18	16.8	5.1	-9	5	50.0	14.8	10.8	13.7	32.1	40.0
Mahaska	-84	24	19.0	9.0	-24	-5	45.9	36.1	11.7	15.3	28.3	61.1
Marion	-51	26	12.8	5.6	-27	6	54.3	21.0	8.8	13.8	37.3	52.0
Marshall	-185	32	18.9	8.9	-27	7	67.3	35.4	10.7	11.7	38.0	46.7
Mills	-57	4	16.7	10.7	-8	-2	52.6	44.4	11.3	12.0	35.7	50.0
Mitchell	-69	5	11.8	5.1	-12	1	72.7	30.4	8.7	11.7	53.3	70.0

Table 3. Comparisons of Births, Out-of-Wedlock Births, and Births to Teens in Iowa Counties, 1980 and 1989 (continued).

	1989 Bi 1980 Bi	rths Minus rths	% of B Out of	irths Wedlock	Minus	en Births	% of Te	en Births Wedlock	Teen B as a All B	% of	Teen Out-of Births as Out-of-Wed	
	Total	Out of Wedlock	1989	1980	Total	Out of Wedlock	1989	1980	1989	1980	1989	1980
Monona	-66	13	23.0	7.3	-11	0	66.7	34.8	10.6	12.8	30.8	61.5
Monroe	-37	4	17.7	9.8	-7	0	75.0	40.0	8.3	11.3	35.3	46.2
Montgomery	-55	12	19.3	8.3	-3	6	57.1	25.0	14.0	11.7	41.4	35.3
Muscatine	-32	47	20.1	12.6	-30	11	59.5	34.2	12.3	16.0	36.5	43.3
O'Brien	-84	-2	8.2	6.5	-17	-3	42.9	29.0	7.2	11.1	37.5	50.0
Osceol a	-37	1	6.0	3.6	-3	2	62.5	27.3	8.0	8.0	83.3	60.0
Page	-50	18	18.6	8.5	-2	10	57.9	30.0	17.3	14.8	53.7	52.2
Palo Alto	-69	2	13.6	8.1	-17	-2	53.8	30.0	9.3	14.4	36.8	52.9
Plymouth	-117	20	12.9	4.7	-5	13	67.7	22.2	10.0	8.4	52.5	40.0
Pocahontas	-50	3	9.1	4.4	-12	-1	75.0	25.0	3.6	10.0	30.0	57.1
Polk	458	538	23.5	15.0	-30	163	75.9	47.9	11.4	13.1	36.9	41.6
Pottawattamie	-187	90	25.5	16.1	-106	- 14	69.7	46.5	11.9	17.6	32.4	50.6
Powesh i ek	-21	10	12.4	7.3	-10	1	52.6	31.0	8.4	11.7	35.7	50.0
Ringgold	-33	1	7.5	3.5	-8	-1	33.3	18.2	5.7	12.8	25.0	66.7
Sac	-82	3	11.1	6.0	-13	1	69.2	30.8	8.5	11.1	52.9	57.1
Scott	-578	245	30.3	16.1	- 105	55	83.5	50.5	13.8	14.6	37.9	45.8
Shelby	-90	2	9.2	5.1	-12	0	50.0	25.0	7.4	9.5	40.0	46.2
Sioux	-204	2	4.9	3.0	-36	-2	47.6	21.1	4.9	9.0	47.6	63.2
Story	-181	5	7.1	5.4	-47	1	48.6	19.5	4.0	7.8	27.4	28.1
Tama	-71	27	24.8	9.3	-12	6	84.6	42.1	11.9	13.1	40.7	59.3
Taylor	-56	6	15.2	4.4	-10	-2	25.0	22.2	10.1	13.3	16.7	66.7
Union	-46	-3	16.9	14.6	-11	-2	52.6	40.0	11.4	14.2	35.7	38.7
Van Buren	-33	-6	8.6	11.1	-13	-5	16.7	31.6		15.1	12.5	42.9
Wapello	-113	19	19.8	12.9	-28	-4	51.5	40.4	13.6	15.7	35.4	49.4
Warren	-52	35	13.6	6.0	-17	12	63.4	24.1	8.2	10.5	38.2	42.4
Washington	-25	28	15.0	5.2	3	10	53.1	24.1	10.6	8.9	37.8	41.2
Wayne	-46	-3	11.7	9.8	-15	-5	42.9	36.4		17.9	33.3	66.7
Webster	-155	32	23.5	14.5	-46	-3	74.4	49.2	12.9	16.3	40.8	55.5
Winnebago	-32	3	13.9	10.2	0	4	60.9	43.5		11.7	60.9	50.0
Vinneshiek	-58	-1	7.4		-18	0	88.9	29.6		8.3	40.0	38.1
Hoodbury	-297	106	28.4	17.8	-72	5	72.9	52.0		15.3		44.8
Worth .	-20	18	20.6	3.1	-4	3		15.4		10.2		50.0
Wright	-56	8	14.7	8.1	-4	6	52.4		11.0	10.1		25.0
State of lowa	-8881	2657	19.4	10.2	-1941	512	69.4	38.2	10.3	12.5	36.0	46.5

Because the number of births in lowa generally was going down at the same time that the number of out-of-wedlock births was going up, the percentage of all births that were out of wedlock rose from 10.2% in 1980 to 19.4% in 1989 (Table 3). In 1989, the percentage of out-of-wedlock births in the counties ranged from 4.9% in Sioux to 30.7% in Appanoose. Seven counties (Humboldt, Lyon, Osceola, Ringgold, Sioux, Story, Winneshiek) were under 8%, and 43 counties were under 15%. Six counties (Black Hawk, Des Moines, Lee, Pottawattamie, Scott, Woodbury) joined Appanoose with more than 25% of the births occurring out of wedlock in 1989.

For lowa, the percentage of births out of wedlock increased each year from 1980 to 1989. The counties were more variable; all had at least one year in which the percentage of out-of-wedlock births declined. Only two counties (Cherokee, Van Buren) had a lower percentage of out-of-wedlock births in 1989 than in 1980, however, and the declines were less than three percentage points. The other 97 counties had increases in the percentage of out-of-wedlock births between 1980 and 1989; 29 had percentages 10 or more points higher in 1989 than in 1980.

Births to Teens

Births to lowa teens, which includes mothers 19 and younger, numbered 4,017 in 1989 (Table 2). The 1989 figure was 477 higher than in 1988 and was the second straight year of increase following continuous decreases from 1980 to 1987. Still, teen births in 1989 were 32.6% lower than the 5,958 teen births recorded in 1980. For the counties, teen births in 1989 ranged from three in Ringgold to 634 in Polk. Fifty-seven counties had fewer than 20 teen births. In each of the ten years, Polk had the highest number of teen births, with Scott the second highest. From 1981 through 1989, the county with the lowest number of births to teens recorded six or fewer. In 1980, the lowest number was 11 (Osceola, Ringgold).

All but eight counties had fewer teen births in 1989 than in 1980 (Table 3). Counties with a decrease in teen births of at least 100 were Black Hawk, Linn, Pottawattamie, and Scott. Black Hawk's decline of 109 was the largest. Fifty-nine counties showed decreases of 20 or fewer. Six counties (Cerro Gordo, Dallas, Floyd, Fremont, Johnson, Washington) had more teen births in 1989 than in 1980, while two (lowa, Winnebago) recorded the same number of teen births both years.

Out-of-Wedlock Births to Teens

Teen births out of wedlock numbered 2,786 in the state in 1989, which was the highest figure of the decade. Teen out-of-wedlock births declined each year from 1980 to 1984 and then increased annually from 1984 to 1989 (Table 2).

Polk and Scott counties had the highest numbers of teen out-of-wedlock births from 1980 to 1989. Nearly half the counties had 10 or fewer teen out-of-wedlock births each year during the period.

As with out-of-wedlock births overall, teen out-of-wedlock births occurred disproportionately in the larger, urban counties. Six counties (Black Hawk, Linn, Polk, Pottawattamie, Scott, Woodbury) had the highest numbers of teen out-of-wedlock births in both 1980 and 1989. In 1980, these six recorded 38.9% of all teen births, but 50.1% of the out-of-wedlock teen births. Similarly, in 1989 they had 44.8% of the teen births and 49.4% of the out-of-wedlock teen births.

Between 1980 and 1989 all the counties experienced years when the number of teen out-of-wedlock births increased and other years when the number decreased. Differences between 1980 and 1989 ranged from a decline of 14 to a gain of 163 (Table 3). Thirty-one counties had fewer teen out-of-wedlock births in 1989 than in 1980, 11 counties were the same in both years, and 57 counties showed an increase. For 93 of the counties, the change was less than 20 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 1980 to 1989 in the proportion of teen births in lowa that were out of wedlock (Table 3). In 1980, 2,274 of 5,958 teen births (38.2%) were out of wedlock. By 1989, 2,786 of 4,017 teen births--more than two of every three (69.4%)--were out of wedlock.

For the counties in 1989, the percentage of teen births that were out of wedlock ranged from 25% or less in three counties to 75% or more in 18 others. Twenty-three counties had 50% or fewer of their teen births out of wedlock. In 1980, the highest percentage for any county was 54.6% (Black Hawk) and only two other counties (Scott, Woodbury) were over 50%. In 1989, 76 counties had more than half of their teen births out of wedlock. Nine counties were over 80% with the two highest at 90% (Hancock) and 100% (Adair) of teen births out of wedlock. Only three counties (Audubon, Keokuk, Van Buren) had a lower percentage of teen births out of wedlock in 1989 than in 1980.

Births to Teens Compared with Total Births

For every year between 1980 and 1987 in lowa, both total births and births to teens declined, although both increased from 1987 to 1988 and 1988 to 1989. Because teen births for the period declined somewhat more than total births, the proportion of the total births that were to teens (12.5% in 1980) declined to 10.3% in 1989 (Table 3).

In 1989, the percentages of the total births that were to teens ranged from under 3% in one county (Humboldt) to more than 15% in four (Appanoose, Fremont, Lee, Page). Although there were year-to-year variations for all the counties, teen births, as a percentage of all births, were lower in 1989 than in 1980 for 77 counties. Twenty counties had a higher percentage of births to teens in 1989 than in 1980 with two counties (Henry, Osceola) having the same percentage in both years.

Teens tended to have a much higher percentage of their births out of wedlock than the population overall. In most counties for both 1980 and 1989, 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).

For the state, the number of teen out-of-wedlock births remained relatively stable between 1980 and 1987 although increasing from 1987 to 1989. Over the entire time period teen out-of-wedlock births increased 22.5%. In comparison, the total number of out-of-wedlock births increased much faster (54.3%) in the same years. Consequently, teen out-of-wedlock births, which were 46.5% of all out-of-wedlock births in 1980, were down to 36.9% of all out-of-wedlock births in 1989 (Table 3).

For the counties in 1989, teen out-of-wedlock births, as a proportion of all out-of-wedlock births, ranged from less than 25% in 10 counties to 50% or more in 16 others. Seventy-six counties had a lower proportion of all out-of-wedlock births to teens in 1989 than in 1980 while 23 counties increased.

Deaths Caused by Accident, Suicide, or Homicide in Iowa's Counties: 1980-1989

Sandra Charvat Burke, Iowa State University Willis Goudy, Iowa State University Michael Dare, Iowa Department of Public Health

The lowa Department of Public Health maintains records on the causes of death of residents in lowa's counties. Deaths from causes other than illness and disease include motor vehicle accidents, other accidents, suicides, and homicides. From 1980 through 1989, the 15,297 deaths due to these four causes accounted for 5.6% of all deaths (272,401) in lowa. 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 1989, 541 lowans died in motor vehicle accidents (Table 1). In 1980 and 1981, however, deaths from motor vehicle accidents were substantially higher, exceeding 650 both years; the lowest number (455) was recorded in 1986.

Polk county had more residents (48) die in motor vehicle accidents in 1989 than did any other county. The next two highest counties were Linn with 26 and Scott with 21. Twelve counties had from 10 to 20 such deaths. Twenty-two counties had from five to nine motor vehicle deaths while a majority (56) had one to four. Six counties (Cass, Grundy, Keokuk, Osceola, Ringgold, Wayne) had no residents die in motor vehicle accidents in 1989.

A total of 5,440 lowa residents died in motor vehicle accidents from 1980 through 1989. Of these, 487 were residents of Polk county. Ten other counties (Black Hawk, 178; Clinton, 114; Dubuque, 159; Johnson, 104; Linn, 215; Muscatine, 117; Pottawattamie, 165; Scott, 224; Webster, 114; Woodbury, 161) had at least 100 residents die in this manner between 1980 and 1989. Of the 88 counties with fewer than 100 motor vehicle deaths, 21 counties had from 50 to 99, 57 recorded 20 to 49 such deaths, and 10 counties had 19 or less. Adams county had 10 residents die in motor vehicle accidents during the 10 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 587 lowans were due to these kinds of incidents in 1989 (Table 2). In 1980, 652 other accidental deaths not involving motor vehicles occurred to lowa residents, the highest during the period reviewed.

In 1989, Polk county had the highest number (72) of deaths from accidents other than those involving motor vehicles, followed by Woodbury (29), Scott (27), Linn (25), and Pottawattamie (21). No other counties had more than 15. Five or fewer such deaths occurred in 62 counties in 1989; among these, no deaths from these kinds of accidents were reported for residents of seven counties (Clay, Greene, Humboldt, Keokuk, O'Brien, Wayne, Worth) in 1989.

Table 1. Deaths to Residents Caused by Motor Vehicle Accidents in Iowa Counties, 1980-1989.

County	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1980- 1989
Adair	1	1	0	2	0	2	1	0	2	3	12
Adams	1	4	1	0	1	0	1	1	1	0	10
Allamakee	6	1	9	3	1	6	7	7	5	9	54
Appanoose	4	6	4	4	1	5	0	0	5	3	32
Audubon	1	0	0	0	1	2	4	0	2	4	14
Benton	7	8	5	3	3	4	9	5	3	7	54
Black Hawk	16	17	13	13	18	13	16	19	24	29	178
Boone	3	2	6	1	5	2	2	6	7	3	37
Bremer	5	9	2	3	4	2	4	3	5	8	45
Buchanan	4	8	1	1	2	4	6	7	5	5	43
Buena Vista	4	8	2	3	2	5	3	6	5	6	44
Butler	3	6	6	5	1	3	2	2	2	5	35
Calhoun	10	4	3	2	5	3	3	2	2	7	41
Carroll	1	6	5	3	3	3	3	5	3	8	40
Cass	0	4	1	7	4	1	6	4	4	10	41
Cedar	3	9	4	2	7	4	0	5	8	5	47
Cerro Gordo	6	3	8	5	8	3	5	8	10	16	72
Cheroke e	5	5	3	0	4	4	1	4	7	4	37
Chickasaw	1	5	2	3	1	5	1	2	2	6	28
Clarke	2	1	2	4	3	0	0	3	4	1	20
Clay	1	1	2	4	4	1	3	6	2	8	32
Clayton	13	3	1	8	3	5	5	6	10	11	52 65
Clinton	8	20	10	10	8	6	11	14	16	11	114
Crawford	2	4	7	4	10	2	9	2	6	6	52
Dallas	5	11	6	5	7	5	6	8	7	5	65
Davis	3	0	2	3	3	5	1	1	0	0	18
Decatur	1	1	0	1	2	3	2	8	4	2	24
Delaware	1	1	4	2	4	3	2	4	4	4	29
Des Moines	5	12	8	8	4	11	9	5	8	9	29 79
Dickinson	2	2	3	0	2	1	Ó	1	1	5	17
Dubuque	18	15	14	14	14	15	18	12	21	18	159
Emmet	3	3	4	1	8	3	2	0	5	4	33
Fayette	3	12	8	3	6	3	4	4	5	2	50
Floyd	5	4	4	1	3	2	5	8	6	7	45
Franklin	4	4	2	1	1	3	3	2	3	3	26
Fremont	2	2	5	4	4	3	2	2	4	3	31
Greene	2	9	1	0	0	1	2	1	5	8	29
Grundy	0	1	2	1	2	1	2	4	2	3	18
Suthrie	1	5	1	1	3	2	2	3	1	2	21
lamilton	4	7	7	2	0	3	6	3	8	4	44
łancock	2	2	2	4	1	3	3	1	1	2	21
fardin	3	8	5	3	3	8	2	2	7	7	48
larrison	6	5	2	4	2	5	4	6	1	, 8	43
lenry	7	1	2	7	0	3	1	5	6	4	43 36
loward	4	2	3	3	1	5	1	1	5	2	36 27
lumbol dt	4	1	3	3	2	2	4	0	5	2	26
da	1	2	7	1	5	2	3	0	1	0	26 22
OHA	1	3	3	2	8	1	0	5	5	5	33
ackson	3	8	11	8	7	4	7	10	8	5 7	33 73
asper	10	6	8	7	3	10	9	5	6	, 5	73 69

Table 1. Deaths to Residents Caused by Motor Vehicle Accidents in Iowa Counties, 1980-1989 (continued).

County	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1980 - 1989
		-									
Jefferson	2	3	5 5	2	2	4	5 7	1 14	4 9	5	33
Johnson	14	6		8	22	8	7	3		11	104
Jones	4	6	4	2	4	1			6	6	43
Keokuk	0	5	6	3	3	8	9	6	8	3	51
Kossuth	9	3	4	2	10	3	1	7	7	5	51
Lee	9	9	8	5	8	6	10	9	13	14	91
Linn	26	19	19	16	20	19	15	20	32	29	215
Louisa	5	3	0	3	0	2	3	3	2	2	23
Lucas	2	0	3	2	3	3	3	2	4	1	23
Lyon	2	0	2	5	3	4	1	2	5	4	28
Madison	3	1	2	1	4	3	3	1 -	3	1	22
Mahaska	3	6	7	3	4	4	5	3	0	6	41
Marion	8	6	2	4	5	2	5	1	8	4	45
Marshall	11	2	9	10	9	6	9	13	10	11	90
Mills	2	2	3	5	3	2	1	3	3	4	28
Mitchell	2	3	3	1	1	1	4	1 -	2	3	21
Monona	5	4	4	5	0	3	3	3	6	7	40
Monroe	5	1	1	1	3	3	6	1	3	6	30
Montgomery	2	3	2	3	2	1	2	2	6	2	25
Muscatine	19	14	8	4	18	10	15	8	12	9	117
O'Brien	4	3	3	0	1	7	3	3	8	3	35
Osceola	0	3	0	6	2	2	4	1	2	0	20
Page	2	5	1	2	2	8	4	3	5	6	38
Palo Alto	3	3	0	2	7	1	1	1	2	2	22
Plymouth	3	6	8	4	9	1	5	7	8	10	61
Pocahontas	6	5	3	7	1	2	3	3	5	4	39
Polk	48	60	41	43	45	44	43	28	58	77	487
Pottawattamie	14	15	25	17	14	11	21	21	22	5	165
Powesh i ek	5	4	6	5	3	8	2	6	5	6	50
Ringgold	0	2	3	0	2	2	3	1	1	3	17
Sac	4	4	7	1	7	1	3	4	3	5	39
Scott	21	19	22	21	15	18	33	18	29	28	224
Shel by	4	4	2	0	2	2	5	5	2	7	33
Sioux	7	4	6	9	5	4	4	4	4	6	53
Story	4	5	9	6	6	9	5	6	9	9	68
Tama	3	2	5	5	5	4	8	3	7	4	46
Taylor	2	1	5	4	2	0	5	3	2	3	27
Union	2	4	1	5	3	3	0	5	3	5	31
Van Buren	2	2	0	0	1	2	1	3	3	1	15
Wapello	11	7	2	9	8	5	5	7	11	5	70
Warren	8	11	3	7	7	5	6	6	6	11	70
Washington	4	3	4	5	10	4	4	3	10	8	55
Wayne	0	1	3	0	3	1	3	2	3	3	19
Webster	11	10	8	11	12	14	11	9	11	17	114
Winnebago	4	3	3	1	1	5	7	3	3	4	34
Winneshiek	5	3	2	3	2	5	7	4	4	3	38
Woodbury	17	16	14	13	19	13	20	22	15	12	161
Horth	3	3	1	1	2	2	1	3	0	0	16
Wright	4	4	3	4	7	5	3	4	2	3	39
State of Iowa	541	570	501	455	521	473	536	509	655	679	5440

Table 2. Deaths to Residents Caused by Accidents Other Than Those Involving Motor Vehicles in Iowa Counties, 1980-1989.

County	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1980- 1989
Adair	3	1	4	2	1	4	0	4	2	4	2:
Adams	3	3	1	1	2	2	1	1	2	3	19
Allamakee	7	5	5	8	2	4	4	5	3	3	46
Appanoose	3	4	4	9	6	4	2	6	1	3	42
Audubon	2	2	0	2	2	2	4	3	1	2	20
Benton	6	4	4	1	5	4	7	2	4	6	43
Black Hawk	14	15	22	24	14	16	33	21	25	27	211
Boone	8	11	11	8	8	3	9	3	9	5	75
Bremer	3	5	1	5	2	4	4	4	8	2	38
Buchanan	1	5	7	3	5	4	3	6	8	4	46
Buena Vista	7	6	3	0	4	2	8	3	4	6	43
Butler	2	3	4	7	2	1	2	2	4	5	32
Calhoun	1	4	4	4	2	3	4	0	1	2	25
Carroll	7	6	8	2	5	8	3	11	3	5	
Cass	8	7	5	1	8	3	1	4	3	5	58 45
Cedar	1	2	0	1	6	5	4	2	4		
Cerro Gordo	8	4	8	11	10	9	2			0	23
Cherokee	9	7	2				7	8	13	9	87
Chickasaw	1			1	3	2	4	3	1	2	34
Clarke	2	1 1	1	4	1	3	0	2	3	3	19
Clarke			2	0	3	2	3	1	3	7	24
	0 5	2	4	1	0	4	3	6	4	5	29
Clayton Clinton		8	4	2	6	9	6	8	6	7	61
	14	11	13	9	13	6	8	20	5	14	113
Crawford	5	1	3	5	5	5	3	5	5	4	41
Dallas	6	11	10	4	8	8	7	6	4	4	68
Davis	2	1	2	0	2	2	4	5	1	1	20
Decatur	4	4	2	3	3	1	2	2	1	5	27
Delaware Des Moin e s	6	6	2	5	6	9	2	7	1	4	48
	13	11	4	11	14	2	5	7	9	7	83
Dickinson	3	0	3	3	4	3	3	8	4	3	34
Oubuque	13	10	7	22	20	16	13	13	15	19	148
Emmet	3 ~	6 ~	1	1	4	5	3	0	4	2	29
fayette	7	3	8	3	6	8	3	6	10	8	62
Floyd	1	5	5	2	2	5	4	6	3	10	43
Franklin	3	3	1	6	5	1	3	1	5	2	30
Fr em ont	2	3	2	1	0	2	7	3	8	3	31
Greene	0	1	3	3	5	1	7	2	0	4	26
irundy	2	1	2	2	2	0	1	4	4	6	24
Guthrie	4	1	5	3	4	3	1	6	3	8	38
lamilton	1	2	1	5	2	3	6	1	1	5	27
lancock	2	3	3	5	0	3	3	5	3	1	28
lardin	1	1	3	4	3	2	4	5	4	9	36
larrison	3	6	4	2	8	3	9	3	4	3	45
lenry	3	7	2	3	7	1	8	2	3	3	39
loward	3	5	2	1	2	0	3	3	1	0	20
lumboldt	0	2	2	1	0	4	1	5	5	1	21
da	3	7	3	2	0	4	3	3	4	2	31
она	3	2	3	2	2	3	1	1	3	3	23
lackson	2	2	3	2	2	5	4	9	11	4	44
lasper	8	5	6	12	7	8	9	8	12	11	86

Table 2. Deaths to Residents Caused by Accidents Other Than Those Involving Motor Vehicles in Iowa Counties, 1980-1989 (continued).

County	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1980- 1989
 Jefferson	4	1	7	3	4	2	4	2	4	0	3
Johnson	8	11	11	13	6	6	13	11	12	6	9
Jones	6	4	3	5	5	3	7	1	3	6	43
Keokuk	0	6	5	4	6	6	3	4	4	2	40
Kossuth	8	7	3	11	3	4	4	4	3	4	51
Lee	7	17	10	4	8	6	15	11	8	12	98
Linn	25	29	17	26	23	23	22	21	29	32	247
Louisa	1	0	5	2	5	1	1	5	2	0	22
Lucas	7	4	0	1	3	0	2	5	1	1	24
Lyon	2	3	5	3	1	7	1	3	5	3	33
Madison	3	8	2	5	5	3	3	3	4	6	42
Mahaska	4	5	7	4	4	3	5	4	4	4	44
Marion	6	5	6	14	7	8	8	8	11	6	79
Marshall	7	10	8	6	9	12	9	5	9	11	86
Mills	3	1	2	2	2	2	1	1	4	2	20
Mitchell	8	1	4	2	3	6	2	4	6	7	43
Monona	5	3	1	5	2	3	4	3	0	3	29
Monroe	4	1	3	1	6	3	1	2	0	7	28
Montgomery	6	1	5	2	3	3	i	3	6	1	31
Muscatine	5	12	8	8	12	6	8	10	9	5	83
O'Brien	0	4	8	9	6	2	3	6	6	2	46
Osceola	3	0	2	1	5	0	3	1	1	3	19
Page	2	5	3	5	7	2	4	6	3	4	41
Palo Alto	4	1	1	1	2	5	0	2	4	5	25
Plymouth	5	0	4	2	2	3	4	6	5	2	33
Pocahontas	1	2	0	2	0	1	0	8	1	4	19
Polk	72	88	60	78	61	74	51	58	71	80	693
Pottawattamie	21	22	14	16	17	11	15	19	16	14	165
Poweshiek	6	7	7	3	5	3	5	6	2	6	50
Ringgold	1	0	3	2	2	5	1	0	0	1	15
Sac	3	2	1	2	4	1	4	4	8	4	33
Scott	27	13	34	27	19	21	24	25	24	22	236
Shelby	2	4	0	3	4	9	6	3	3	6	40
Sioux	7	3	2	6	5	7	5	8	7	10	60
Story	9	7	11	8	13	5	14	14	14	13	108
Tama		1	2	12	5	4	1	6	4	4	45
Taylor	6 3	4	0	1	1	1	1	5	1	2	19
Union	5	6	6	0	3	4	4	5	6	3	42
Van Buren	5	2	2	6	2	2	1	1	1	2	24
Wapello	10	6	9	7	4	8	15	7	14	12	92
•	7	9	3	7	7	9	9	8	9	4	72
Warren						9		3	5	7	
Washington	4	9 0	8 3	3 2	6 4	2	4 3	2	8	4	58 28
Wayne Webster	0		3 8	6	11	7	3 10	9	14	12	
	13	12 4	1	3	2	2	4	3	4	3	102 27
Winnebago	1	6	7	3 2	11	2	2	5 5	5	3 5	47
Winneshiek Woodbury	2		14	21	15	15	27	5 12	5 18	29	
	29 0	18 0	0		15	2	1	2	2		198
Worth Wright	2	4	1	2 5	6	2	0	6	4	2 8	12 38

Table 3. Deaths to Residents Caused by Suicide in Iowa Counties, 1980-1989.

County	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1980- 1989
Adair	2	1	2	3	0	1	2	0	2	1	14
Adams	1	1	0	0	0	2	1	0	0	0	5
Allamakee	1	2	5	4	3	2	1	2	0	3	23
Appanoose	4	2	2	2	0	4	0	4	1	3	22
Audubon	1	1	0	1	1	1	0	1	2	0	8
Benton	1	4	3	3	5	1	2	2	1	1	23
Black Hawk	13	16	16	14	16	17	15	12	15	13	147
Boone	1	3	3	3	4	3	2	3	0	4	26
Bremer	3	0	3	0	2	3	2	0	1	4	18
Buchanan	1	2	2	1	2	7	1	2	3	3	24
Buena Vista	1	2	1	2	3	5	2	0	1	0	17
Butler	2	2	3	3	2	1	2	0	1	0	16
Calhoun	2	1	3	0	0	2	1	4	1	1	15
Carroll	6	2	2	2	1	2	3	2	2	3	25
Cass	2	1	2	5	1	1	5	1	1	2	21
Cedar	2	1	2	4	2	4	2	1	3	0	21
erro Gordo	6	3	9	4	9	2	5	8	4	4	54
Cherokee	O	0	3	2	2	1	1	1	1	1	12
hickasaw	0	2	3	1	2	1	1	0	0	2	12
larke	2	2	2	0	0	1	0	3	0	2	12
lay	1	0	0	1	1	2	2	0	3	3	13
layton	0	2	3	4	4	3	2	0	4	3	25
linton	3	5	9	11	6	11	6	6	9	7	73
rawford	3	0	0	1	2	1	2	2	Ó	2	13
allas	5	3	4	4	4	2	3	7	4	3	39
avis	0	0	0	1	0	0	1	Ó	4	2	8
ecatur	0	1	1	1	3	0	0	ō	0	0	6
elaware	1	1	3	2	2	3	5	ō	1	0	18
es Moines	6	5	12	7	2	3	5	7	6	4	57
ickinson	1	3	1	7	3	1	5	1	1	0	23
ubuque	9	11	12	5	9	7	12	8	6	10	දා 89
mme t	1	1	1	0	1	4	0	0	1	8	17
ayette	3	2	7	2	3	1	3	4	6		
l oyd	2	1	4	0	3	0	1	2	3	3 0	34
ranklin	0	0	2	1	1	1	0	0	2		16
remont	3	2	1	1	1	2	0	0	0	1	8
reene	3	1	4	1	2	1	3	1	0	0	10
rundy	2	3	0	2	3	2	1	1	0	4	20
uthrie	2	1	0	3	3	2	2	3		2	16
emilton	4	4	3	3	3	3	0	1	1	3	20
ancock	1	3	2	1	1	3	1		1	0	22
ardin	0	1	2	1	2	1		0	1	2	15
arrison	2	2	1	2	1	3	0 1	6	0	1	14
enry	4	3	1	0	1	7		3	4	1	20
buard	0	0	0	0	1	1	3	1	6	1	27
umboldt	1	0	2	0	1	3	2	1	0	0	5
ia	1	1	0	0	0	3	0	3	0	3	13
)W8	1	1	2	3	1		1	1	0	1	8
ickson	2	1	3	2		1	0	1 -	0	2	12
sper	-	3	3		2	4	2	3	4	1	24

Table 3. Deaths to Residents Caused by Suicide in Iowa Counties, 1980-1989 (continued).

County	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1980 - 1989
Jefferson	0	2	2	2	1	2	2	0	0	2	13
Johnson	3	11	12	10	14	7	4	6	11	8	86
Jones	4	2	3	1	4	1	2	1	2	4	24
Keokuk	1	0	2	1	2	0	1	2	3	1	13
Kossuth	2	0	4	1	1	1	3	3	2	2	19
Lee	2	2	6	5	7	4	4	4	4	4	42
Linn	20	30	28	27	16	19	13	20	22	20	215
Louisa	1	3	3	1	3	6	1	0	3	0	21
Lucas	2	3	4	1	0	2	0	2	1	4	19
Lyon	1	0	1	2	0	4	3	0	0	5	16
Madison	2	1	0	2	1	4	1	3	1	1	16
Mahaska	2	2	1	5	2	2	7	1	2	2	26
Marion	5	2	7	6	3	6	6	2	3	5	45
Marshall	1	6	6	12	5	5	6	7	5	3	56
Mills	0	2	1	0	1	0	2	1	3	1	11
Mitchell	4	0	0	0	1	0	4	1	2	2	14
Monona	0	2	0	4	1	1	0	0	0	1	9
Monroe	2	0	1	0	0	1	0	2	0	1	7
Montgomery	4	1	2	3	2	2	3	5	0	3	25
Muscatine	2	4	7	5	4	3	6	7	2	1	41
O'Brien	0	0	0	2	3	1	2	3	0	0	11
Osceol a	1	1	1	3	2	0	0	0	2	1	11
Page	2	1	0	3	0	2	1	0	2	1	12
Palo Alto	0	2	0	2	0	0	1	2	3	0	10
Plymouth	2	2	6	2	3	1	3	2	0	0	21
Pocahontas	1	2	1	0	2	2	0	2	3	1	14
Polk	46	51	42	42	50	31	47	46	40	40	435
Pottawattamie	11	11	16	8	12	12	11	10	9	13	113
Poweshiek	3	3	2	0	0	2	4	3	2	2	21
Ringgold	0	0	0	1	1	1	0	0	0	0	3
Sac	2	1	1	3	0	0	0	1	2	1	11
Scott	19	16	31	27	20	22	28	13	25	36	237
Shelby	1	2	1	1	2	2	2	0	2	2	15
Sioux	0	2	1	2	3	3	2	0	0	0	13
Story	6	5	8	5	6	6	3	9	4	3	55
Tama	1	2	2	3	3	3	5	3	3	1	26
Taylor	3	2	3	1	2	2	2	1	0	1	17
Union	1	0	3	0	1	3	1	1	1	2	13
Van Buren	1	2	0	4	3	1	4	0	0	1	16
Wapello	4	3	5	7	5	5	7	7	4	4	51
Warren	6	3	5	3	5	5	1	3	2	5	38
Washington	3	1	3	1	3	1	3	0	2	1	18
Wayne	0	1	1	2	1	1	0	0	0	0	6
Webster	7	5	6	11	3	5	3	10	7	4	61
Winnebago	0	2	2	1	2	1	1	1	2	0	12
Winneshiek	2	2	3	3	3	3	2	0	4	2	24
Woodbury	12	12	14	12	7	17	10	11	11	9	115
Horth	3	0	0	1	0	2	1	2	0	0	9
Wright ———————	3	1	2	2	0	3	0	1	0	2	14
State of Iowa	314	317	398	366	335	346	326	308	303	321	3334

Table 4. Deaths to Residents Caused by Homicide in Iowa Counties, 1980-1989.

County	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1980- 1989
Adair	0	0	0	0	0	0	0	0	0	0	0
Adams	0	0	0	0	0	0	0	0	0	1	1
Allamakee	0	0	1	0	0	0	0	0	0	1	2
Appanoose	0	1	0	0	0	1	0	0	0	1	3
Audubon	0	0	0	0	0	0	0	0	0	0	0
Benton	1	0	3	1	0	0	0	0	1	1	7
Black Hawk	3	3	0	1	3	2	6	4	10	4	36
Boone	0	0	1	0	0	2	1	0	1	2	7
Bremer	0	1	0	1	0	0	0	0	1	0	3
Buchanan	1	0	0	0	0	0	0	1	1	0	3
Buena Vista	0	0	0	1	0	Ō	2	0	0	0	3
Butler	0	0	0	0	0	1	4	0	0	0	5
Calhoun	0	0	0	0	0	Ò	0	0	0	0	0
Carroll	Ō	1	0	0	0	0	0	0	0		
Cass	0	1	0	0	0	1	0	0		1	2
Cedar	0	0	0	0	0	0	0	0	0	0	2
Cerro Gordo	0	2	0	1	0	2			0	0	0
Cherokee	0	0	0	0	0	0	0	3	1	0	9
Chickasaw	0	0	0	0	_	_	0	0	0	0	0
Clarke	0	0	0		0	0	0	0	0	0	0
Clay	1	0		0	0	0	0	0	1	0	1
Clayton	0		0	0	0	0	0	0	0	0	1
linton	1	1	0	2	0	0	0	0	0	0	3
Crawford	0	2	0	4	3	0	0	1	9	1	21
Dallas		0	1	2	0	0	0	0	0	0	3
accas Davis	2 0	1	1	0	0	1	0	1	1	0	7
ecatur	0	0	1	1	0	1	0	0	0	0	3
elaware	0	0	0	0	0	0	0	0	0	1	1
es Moines	-	0	0	0	0	0	0	0	0	0	0
ickinson	2	0	0	1	0	1	3	3	0	4	14
oubuque	1	0	0	0	0	0	0	0	1	0	2
•	0	0	1	0	1	0	1	0	1	1	5
immet ayette	0	0	0	0	0	2	0	0	0	0	2
	•	0	0	0	0	0	0	0	0	0	0
loyd Franklin	1	0	0	0	0	0	0	0	0	0	1
	0	0	0	0	0	0	0	0	0	2	2
remont	0	0	1	0	0	1	1	1	0	0	4
ireene	0	0	0	0	0	0	0	0	1	0	1
irundy	0	0	0	0	0	0	0	0	0	0	0
uthrie	0	0	0	0	0	0	0	0	0	0	0
lamilton	1	0	0	0	1	0	0	0	0	0	2
lancock	0	0	0	0	2	0	0	1	1	0	4
ardin	0	1	0	0	0	0	0	0	0	0	1
arrison	0	0	0	0	0	1	1	0	0	0	2
enry	1	0	0	1	0	2	4	0	2	2	12
oward	0	0	0	0	0	0	0	1	1	0	2
umboldt	0	0	0	0	0	0	0	0	0	0	0
da	0	0	0	0	0	0	0	0	0	0	0
OWB	0	0	0	0	0	0	0	0	0	0	0
ackson	0	0	1	0	1	1	1	0	1	1	6
asper	2	3	0	3	1	1	2	2	0	0	14

Table 4. Deaths to Residents Caused by Homicide in Iowa Counties, 1980-1989 (continued).

County	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1980 - 1989
Jefferson	0	0	0	0	0	0	0	0	0	1	
Johnson	0	2	0	0	4	1	0	0	2	0	ç
Jones	0	0	0	0	0	0	1	0	0	0	•
Keokuk	0	0	1	0	0	0	0	0	1	0	
Kossuth	0	0	2	0	1	0	0	0	0	0	3
Le c	1	0	0	0	2	1	1	3	2	2	12
Linn	5	1	3	2	2	7	6	4	3	3	36
Louisa	0	0	0	0	0	0	0	1	0	0	1
Lucas	0	0	0	0	0	1	0	1	0	0	ã
Lyon	0	0	0	0	0	0	0	0	0	0	C
Madison	0	1	0	1	1	1	0	0	0	0	4
Mahaska	0	1	1	0	1	0	1	1	0	0	5
Marion	0	0	0	1	1	0	0	1	0	1	4
Marshall	1	0	2	0	0	1	0	2	1	1	8
Mills	0	0	1	0	0	0	0	0	1	0	2
Mitchell	0	0	0	0	0	0	0	0	0	0	0
Monona	0	0	0	0	0	0	0	1	0	0	1
Monroe	0	0	0	0	2	1	1	0	0	0	4
Montgomery	0	1	0	0	0	0	0	0	0	0	1
Muscatine	0	1	1	2	4	0	0	3	1	1	13
O'Brien	0	0	0	0	1	0	0	0	1	0	2
Osceol a	0	0	0	0	0	0	0	0	0	0	0
Page	1	1	0	0	0	1	0	0	0	3	6
Palo Alto	0	0	0	0	0	0	0	0	0	0	0
Plymouth	0	0	0	0	0	0	0	0	0	0	0
Pocahontas	1	0	0	0	0	0	0	2	1	0	4
Polk	15	15	19	21	13	18	13	17	13	19	163
Pottawattamie	1	4	2	4	0	4	4	1	1	5	26
Poweshiek	0	0	0	0	1	0	0	0	0	1	2
Ringgold	0	0	0	0	0	0	0	0	0	1	1
Sac	0	0	0	0	0	0	0	1	0	1	2
Scott	5	3	5	2	6	9	6	5	8	9	58
Shelby	0	0	0	0	0	0	0	0	1	0	1
Sioux	0	0	0	1	1	0	0	0	0	0	2
Story	0	0	2	2	1	1	0	0	0	0	6
Tama	0	1	0	1	0	0	0	0	0	3	5
Taylor	0	0	0	0	1	1	0	0	0	1	3
Union	0	0	0	0	0	0	1	0	0	0	1
Van Buren	0	0	0	0	0	1	0	0	0	0	1
Wapello 	0	1	3	0	0	1	1	1	2	0	9
Warren	1	0	1	0	1	1	0	1	0	0	5
Washington 	0	1	1	0	0	0	0	0	0	1	3
Wayne	0	0	0	1	1	0	0	0	0	0	2
Webster	1	2	0	0	1	2	2	2	4	1	15
linnebago	0	0	0	0	0	0	0	0	0	0	0
Winneshiek	0	0	0	0	0	0	0	0	0	0	0
Hoodbury	6	1	3	4	0	2	6	2	4	1	29
Horth Uniche	0	0	0	0	1	0	0	0	0	0	1
Wright —————	0	0	0	1	0	0	0	<u> </u>	0	0	2
State of Iowa	55	53	58	62	58	74	69	68	80	78	655

During the 1980 to 1989 period, accidents other than those involving motor vehicles claimed the lives of 5,868 lowans. Polk county's total was 693, more than double that of second place Linn (247). Black Hawk (211), Clinton (113), Dubuque (148), Pottawattamie (165), Scott (236), Story (108), Webster (102), and Woodbury (198) also recorded more than 100 such accidental deaths during the ten years. For 19 counties, between 50 and 99 residents died in these accidents, while 70 counties had fewer than 50 such deaths. Ringgold (15) and Worth (12) had the fewest of these accidental deaths during the period.

Deaths Due to Suicide

lowa recorded 314 suicides in 1989, a number lower than all years other than 1981 and 1982 (Table 3). Polk (46) and Linn (20) were the only counties with at least 20 suicides in 1989. A large majority (86) of the counties had five or fewer; of these, 17 had no suicides in 1989.

A total of 3,334 lowans committed suicide from 1980 to 1989. More than 100 occurred to residents of Black Hawk (147), Linn (215), Polk (435), Pottawattamie (113), Scott (237), and Woodbury (115) counties. Ringgold (3), Adams (5), and Howard (5) had the lowest totals for the ten years.

Deaths Due to Homicide

There were 55 homicides in Iowa in 1989; the highest number during the decade was 80 in 1981 (Table 4). Over three-fourths (76) of Iowa's counties had no homicide in 1989 and another 15 counties had only one. Polk (15) had the most with Woodbury (6) second.

From 1980 through 1989, 655 lowans died by homicide. Of these, 163 were Polk county residents and 58 were from Scott. Twenty counties had no homicides from 1980 to 1989, while 35 counties had one or two residents who died in this manner. Thirty-seven counties had from 3 to 19 homicides, and the remaining five counties had from 20 to 36 in the 1980s.

Note: See an annual publication called VITAL STATISTICS OF IOWA for more detailed data on deaths (lowa Department of Public Health, Lucas State Office Building, Des Moines, IA 50319). The most recent volume is for 1989.

Marriages and Dissolutions in Iowa's Counties: 1980-1990

Sandra Charvat Burke, Iowa State University Willis Goudy, Iowa State University Michael Dare, Iowa Department of Public Health

Marriages and dissolutions for lowa and its counties are recorded annually by the lowa 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 are also included.

Marriages

lowa recorded 24,931 marriages in 1990, 336 fewer than in 1989. This was the seventh time since 1980 that there had been a decrease in marriages over the previous year (Table 1). The largest year-to-year drop of the period was between 1984 and 1985 (-1,788).

The increase in marriages from 1987 to 1989 must be interpreted with caution. As of 1988, the State of Illinois added a requirement for a blood test for HIV (Human Immunodeficiency Virus) before a marriage license would be issued. Discussions with county officials in eastern lowa indicate that a portion of the increase in marriages reported in several lowa counties bordering the Mississippi River was due to Illinois residents. Thus, an unknown proportion of the increase in marriages from 1987 to 1989 in lowa was caused by the change in the law in Illinois; this law was rescinded in September of 1989.

In 1990, Polk's 3,217 marriages constituted the highest number in any county. Black Hawk (1,074), Linn (1,525), and Scott (1,354) also had more than 1,000 marriages that year. Five counties (Chickasaw, Dubuque, Johnson, Pottawattamie, Woodbury) recorded 500 to 999 marriages, 14 were between 200 and 499, and 41 counties had 100 to 199 marriages. Thirty-five counties had fewer than 100 marriages in 1990; the lowest numbers were in Adams (24) and Ringgold (39).

Forty-six of the counties followed the state trend with fewer marriages in 1990 than in 1989. The greatest declines occurred in Clinton (-144) and Scott (-372), the only two down more than 100 marriages, although the change in regulations in Illinois probably contributed much of the decrease in these counties. No county had at least 100 more marriages in 1990 than in 1989. Increases of 50 or more occurred in Chickasaw (+55) and Marion (+68).

About 2,500 fewer marriages occurred in lowa in 1990 than in 1980. Most of the counties mirrored this trend; 82 had fewer marriages in the later year. Four counties (Black Hawk, -182; Clinton, -113; Scott, -260; Woodbury, -123) had at least 100 fewer marriages in 1990 than in 1980. Another 14 counties had from 50 to 99 fewer marriages in 1990 than in 1980, 31 were lower by 20 to 49, and the declines in 33 counties were less than 20 marriages. Of the 16 counties that increased when the beginning and end of the period were compared, 10 had fewer than 20 more marriages in 1990 than in 1980. Only one county (Polk, +99) recorded substantially more marriages in 1990 than in 1980.

Dissolutions

There were 10,913 dissolutions in Iowa in 1990, 406 more than in 1989. Between 1980 and 1990 there were five times when dissolutions increased compared with the previous year and five times when dissolutions decreased (Table 2). 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 decline followed the year (1981) in which the number of dissolutions was the highest ever recorded in Iowa.

Table 1. Marriages in Iowa Counties, 1980-1990.

County	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	63	49	59	51	58	62	82	54	60	74	57
Adams	24	3 5	41	38	40	43	38	34	45	43	36
Allamakee	134	133	118	115	121	133	150	144	139	150	149
Appanoose	157	113	112	104	115	125	112	130	106	119	129
Audubon	48	48	65	54	42	49	71	82	74	70	64
Benton	156	157	153	168	178	160	169	163	158	189	190
Black Hawk	1074	1097	958	948	913	1044	1066	1130	1115	1144	1256
Boone	179	202	224	192	194	216	209	205	209	224	235
Bremer	169	203	186	196	167	175	209	206	198	191	224
Buchanan	174	174	165	141	147	183	170	220	206	213	216
Buena Vista	164	165	164	155	163	180	171	188	189	173	207
Butler	97	81	101	113	103	107	123	127	124	134	122
Calhoun	80	71	69	77	84	76	110	93	99	119	117
Carroll	189	191	177	187	167	163	206	232	247	214	240
Cass	150	141	141	117	126	145	181	162	181	187	160
Cedar	139	121	118	122	117	103	134	140	148	176	156
Cerro Gordo	406	371	346	327	357	375	361	388	448	395	411
Cherok ee	94	107	112	102	105	105	124	139	152	164	136
Chickasaw	806	751	800	741	775	791	897	963	915	910	850
Clarke	59	73	53	54	48	58	64	94	66	56	72
Clay	162	123	159	119	104	132	143	149	149	178	144
Clayton	149	162	160	144	151	154	166	164	182	186	204
Clinton	447	591	677	454	454	554	571	540	624	553	560
Crawford	131	119	141	134	144	135	152	176	142	149	163
allas	229	228	208	213	216	227	248	252	206	250	230
avis	57	69	53	61	73	57	72	68	85	74	68
ecatur	67	66	70	80	72	80	75	74	71	75	81
elaware	137	149	159	162	146	140	162	162	177	141	191
es Moines	487	572	532	425	415	402	491	449	516	477	457
ickinson	130	147	133	136	111	135	150	153	133	144	122
ubuque	888	938	968	887	864	894	920	886	966	917	949
imme t	107	87	86	109	100	96	115	95	116	107	104
ayette	193	185	175	157	177	185	182	181	225	219	201
loyd	134	123	128	120	137	155	160	145	152	176	153
ranklin	73	73	78	80	60	87	100	89	92	116	79
remont	75	73	67	71	66	52	80	81	65	71	80
reene	107	104	84	74	84	73	86	99	99	99	105
rundy	76	91	83	62	82	92	101	94	102	90	
uthrie	106	87	98	85	92	75	92	92	98	90 97	91
amilton	129	148	126	132	127	125	146	158	181		112
ancock	95	82	80	77	101	101	100	101	103	146	170
ardin	136	153	150	135	174	172	207	174	172	112	101
arrison	124	134	117	111	122	136	145	145		195	195
enry	156	171	183	168	158	167	168		137	131	147
oward	75	88	94	68	81	92	106	166	158	171	164
umboldt	89	67	97	83	75	82	106	92	98	82	104
da	63	61	53	63	45	59		98	109	100	107
OMB	129	106	113	85	4 3 87		66	61 477	67	65	69
ackson	184	195	188	198	181	102 174	118	134	116	145	138
sper	289	271	289	295	101	176	177	200	214	218	238

Table 1. Marriages in Iowa Counties, 1980-1990 (continued).

County	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Jefferson	158	155	159	142	139	144	170	184	198	156	144
Johnson	770	774	721	668	677	697	734	746	727	706	731
Jones	155	146	157	137	163	159	138	169	162	187	169
Keokuk	101	77	76	91	66	99	111	118	90	107	122
Kossuth	154	145	143	138	134	152	160	188	212	179	182
Lee	396	487	437	373	372	412	446	423	407	399	442
Linn	1525	1519	1505	1386	1365	1453	1507	1436	1532	1588	1562
Louisa	69	92	96	85	93	91	101	89	97	107	74
Lucas	70	64	83	59	77	72	89	98	97	68	95
Lyon	77	78	78	81	91	90	101	102	120	117	116
Madison	97	101	91	87	79	66	104	108	103	96	100
Mahaska	189	201	194	183	167	179	202	212	214	213	201
Marion	326	258	242	249	259	246	272	266	279	283	296
Marshall	341	346	349	298	302	339	365	360	402	371	378
Mills	105	98	98	69	81	82	107	134	135	115	101
Mitchell	93	80	77	61	80	93	111	103	99	127	101
Monona	83	85	82	72	75	72	87	94	116	89	127
Monroe	73	61	65	61	67	77	76	81	77	85	83
Montgomery	99	97	106	90	84	103	101	141	111	117	105
Muscatine	421	429	373	340	415	383	375	412	444	454	
O'Brien	120	124	113	88	107	363 119	112	122			398
Osceola	58	66	57	53	42	47	51	59	139 <i>7</i> 3	149	139
										64	58
Page	144	107	136	136	136	137	163	148	170	136	154
Palo Alto	87	73	78 470	87	92	97	96	105	108	115	131
Plymouth	169	170	179	162	154	172	183	233	239	228	197
Pocahontas	57	70	76	82	51	84	95	96	93	79	94
Polk	3217	3187	3108	2966	2928	2987	3130	3133	3114	3150	3118
Pottawattamie	938	894	877	877	901	961	1085	1192	1052	998	978
Poweshiek	154	143	121	111	137	141	152	141	146	148	169
Ringgold	39	36	44	29	37	44	58	51	57	49	60
Sac	94	101	82	89	76	110	109	97	96	117	118
Scott	1354	1726	1910	1353	1427	1505	1483	1484	1483	1523	1614
Shelby	120	125	100	118	105	115	136	146	157	153	146
Sioux	221	208	223	225	225	246	245	214	250	247	277
Story	490	513	511	491	475	527	530	538	573	566	589
Tame	143	144	125	121	125	131	134	174	138	142	139
Taylor	55	50	50	47	48	43	67	70	62	71	60
Union	113	121	98	99	108	101	101	112	120	121	164
Van Buren	56	57	53	55	46	55	49	62	52	73	87
Wapello	365	317	353	309	353	369	392	365	424	409	396
Warren	333	304	273	260	278	288	284	315	316	311	329
Washington	137	140	146	152	145	135	176	187	165	181	162
Wayne	51	56	57	63	50	43	75	60	64	57	<i>7</i> 3
Webster	354	345	372	338	371	365	411	417	442	405	407
Winnebago	87	74	90	95	90	100	114	116	116	106	113
Winneshiek	180	158	147	171	160	151	184	170	188	204	185
Woodbury	760	752	738	674	705	802	844	812	758	843	883
Worth	66	63	48	63	62	54	74	75	71	69	57
Wright	81	104	82	88	99	112	125	149	148	139	152

Table 2. Dissolutions in Iowa Counties, 1980-1990.

County	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	30	24	22	26	26	27	39	26	24	20	34
Adams	18	11	15	17	23	17	9	27	11	20	11
Allamakee	26	38	24	30	32	43	33	32	25	43	29
Appanoose	54	66	62	34	56	51	55	66	82	50	59
Audubon	23	10	22	15	19	14	21	17	20	29	22
Benton	68	81	79	65	53	58	45	45	50	63	39
Black Hawk	493	523	514	476	496	512	564	560	539	670	671
Boone	96	104	106	120	102	113	95	104	97	114	133
Bremer	70	54	57	56	59	65	76	85	74	79	70
Buchanan	67	56	69	54	53	59	61	41	62	72	64
Buena Vista	75	63	57	56	68	63	54	50	58	72	59
Butler	45	33	42	31	38	42	42	44	37	30	35
Calhoun	39	27	23	27	39	40	32	35	33	37	39
Carroll	48	78	48	56	53	52	52	47	47	53	65
Cass	56	61	60	60	50	60	67	57	67	55	52
Cedar	47	69	53	65	55	55	39	65	67	64	67
Cerro Gordo	166	186	158	186	196	164	191	183	154	228	161
Cherokee	48	50	51	55	36	45	63	54	40	45	46
Chickasaw	28	29	42	37	30	34	32	34	36	38	38
Clarke	44	39	40	51	22	25	30	37	21	60	38
Clay	87	72	62	59	82	70	63	85	76	86	83
Clayton	41	44	44	33	45	49	43	54	49	65	59
Clinton	191	152	201	175	179	241	218	240	258	256	245
Crawford	73	77	62	62	75	53	66	57	64	60	243 64
Dallas	116	111	128	147	104	123	118	107	115		
Davis	37	26	31	21	26	36	28	38		116	121
Decatur	29	32	28	23	31	36 24	26 29		28	39	32
Delaware	41	48	49	28	26	40	29 34	33	36 70	44	37
Des Moines	188	162	194	167	199	170	182	33 17/	38	56	35
Dickinson	63	70	53	52	60	53	50	134 42	182 46	171	178
Dubuque	315	274	240	265	251	258	261	231		67 348	78 207
Emme t	37	38	33	34	32	238 38	44		260	268	293
Fayette	82	64	64	52	52 54	36 44	67	27	37	43	57
Floyd	57	57	56	55				56	40 74	60	64
Fr a nklin	32	32	34	30	51 28	56 70	56	60	76 	59	82
Fremont	33	31	30	25	28 32	38	37	35	35	48	47
Greene	38	40	40	52	32 39	36 70	26	27	41	48	29
Grundy	27	27	21	31		30	22	32	33	27	33
Guthrie	42	40	44		21	33	30	28	18	36	35
Hamfilton	66	60		41	38	33	34	40	41	39	38
Hancock	26	21	56 27	61	58	50	55	65	57	57	56
Hardin	69	68	33	33	32	29	32	33	36	43	35
Harrison	61	57	73 57	46	52	67	58	62	58	71	62
tenry	86	73	54 90	58	57 52	63	56	62	<i>7</i> 5	61	58
loward	96 27	73 19	90 70	66 37	52	56	64	59	55	65	61
Humboldt			30 31	23	24	23	22	23	22	21	16
ida Ida	29 17	39	31 27	34	24	28	39	40	31	32	38
	17	24	27	24	27	20	17	21	30	23	24
lowa Laskaan	49	52	37	20	40	29	45	31	42	34	39
Jackson	53	50	62	68	38	53	48	31	45	57	41
Jasper	156	158	131	165	144	123	117	123	132	167	154

Table 2. Dissolutions in Iowa Counties, 1980-1990 continued).

	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
County	1990	1707	1900	1907	1900	1905	1904	1703	1702		1900
Jefferson	85	90	69	76	90	98	82	84	77	71	64
Johnson	237	216	216	286	224	270	289	313	319	305	331
Jones	69	55	54	61	50	59	65	45	51	73	56
Keokuk	12	31	28	28	20	21	21	21	29	39	24
Kossuth	40	38	44	40	44	37	49	34	44	56	49
Le e	203	151	191	179	155	174	186	174	183	216	218
Linn	606	566	608	548	531	584	576	540	541	559	579
Louisa	43	54	51	39	48	40	37	37	40	44	59
Lucas	39	40	40	38	31	51	38	35	48	45	48
Lyan	11	19	26	15	19	24	13	20	13	18	18
Madison	62	50	42	56	32	35	27	53	41	53	45
Mahaska	125	96	115	81	72	108	107	99	89	103	100
Marion	127	122	114	137	111	109	122	98	106	113	112
Marshall	195	174	201	166	163	160	152	190	185	193	219
Mills	54	48	50	41	60	31	59	54	40	65	62
Mitchell	27	20	23	25	19	23	24	28	17	22	21
Monona	25	32	44	27	34	29	26	37	20	45	39
Monroe	38	28	29	26	19	23	27	24	30	26	26
Montgomery	44	68	72	72	64	68	62	42	39	77	69
Muscatine	212	219	244	279	225	212	225	229	238	227	227
O'Brien	41	35	45	44	28	37	32	28	29	40	28
Osceola	16	18	13	11	16	11	12	17	16	19	8
Page	70	75	60	67	75	<i>7</i> 5	63	99	69	109	73
Palo Alto	22	29	21	18	28	29	34	31	34	27	35
Plymouth	65	47	72	51	53	63	63	56	42	54	55
Pocahontas	30	27	31	26	18	18	27	32	29	22	33
Polk	1642	1665	1780	1705	1707	1716	1578	1571	1703	1888	1919
Pottawattamie	465	465	468	439	488	446	434	429	465	553	513
Poweshiek	71	82	60	60	75	58	58	82	55	55	48
Ringgold	21	21	16	16	17	10	28	28	20	30	17
Sac	32	29	28	32	37	29	30	31	38	33	35
Scott	725	664	735	777	743	747	736	804	873	962	984
Shelby	37	41	40	36	33	31	33	37	31	53	39
Sioux	37 48	41	55	33	46	42	46	5 <i>7</i> 52	40	31	48
Story	208	211	212	203	195	165	207	226	253	258	241
Tame	208 58	65	51	53	56	45	56	51	58	58	46
Taylor	12	15	22	25	29	30	25	30	19	28	19
Union					63	45	60	65	77	64	72
Van Buren	74	63 24	46 70	46		27	22	23	25	30	17
	40	26	30	32	32						215
Wapello	204	157	177	169	166	209	224	206	210	228	
Warren	149	128	130	155	122	133	120	121	140	146	138
Washington 	86	60	70	61	70	76	66	68	66	70	43
Wayne	30	32	17	25	19	16	31	17	33	28	21
Webster	177	184	174	197	167	148	168	174	169	189	188
Winnebago	35	31	29	27	39	36	49	21	34	35	48
Winneshiek	50	45	67	41	65	68	48	49	46	48	51
Woodbury	447	449	451	409	429	474	431	490	475	526	540
Worth	23	20	22	27	16	23	19	18	19	26	22
Wright ————	72	45	43	55	54	57 	61	57	51	50	
State of Iowa	10913	10507	10808	10527	10324	10525	10509	10588	10869	12071	11854

Dissolutions were highest in 1990 in Polk county (1,642), the only county with more than 1,000. Counties with at least 400 dissolutions that year were Black Hawk (493), Linn (606), Pottawattamie (465), Scott (725), and Woodbury (447). Sixteen counties had between 100 and 399 dissolutions, 29 recorded 50 to 99, and 48 counties had less than 50. The lowest numbers of dissolutions occurred in Keokuk (12), Lyon (11), and Taylor (12).

Between 1989 and 1990, dissolutions remained the same in five counties, decreased in 42, and increased in 52. In 13 counties, increases were greater than 20, although they topped 50 in only two (Lee, +52; Scott, +61). Among the counties with fewer dissolutions in 1990 than in 1989, 36 declined by less than 20. The largest drops occurred in Black Hawk (-30) and Carroll (-30), the only counties where the number of dissolutions declined by at least 25.

Across the state, there were 941 fewer dissolutions in 1990 than in 1980. About half (47) the counties followed that trend. Forty-nine counties had more dissolutions at the end of the period than at the beginning, while three counties had the same number both years. Three counties (Black Hawk, -178; Polk, -277; Scott, -259) had at least 100 fewer dissolutions in 1990 than in 1980. Among counties that had more dissolutions in 1990 than in 1980, most showed relatively low gains. Only nine counties had at least 20 more dissolutions in 1990 than in 1980, topped by the increase of 43 in Washington.

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).

Per Capita Income in Iowa's Counties: 1970-1989

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

Per capita income, a measure of average income per person, was \$15,664 for lowa in 1989. It increased for lowa every year from 1970 through 1989, although the gains were small from 1981 through 1983 (Table 1). 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 Census Bureau 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 (Table 1). In 1989, Polk had the highest (\$18,679) and Decatur the lowest (\$10,882) per capita income, a difference of \$7,797. Starting with 1980, there was a difference of at least \$5,000 between the lowest and the highest county every year. Polk has had the highest per capita income since 1982, but Hamilton, Johnson, Linn, Scott, and Wright were consistently high in recent years. Decatur had the lowest per capita income every year starting with 1974. Other counties among the lowest in recent years were Allamakee, Appanoose, Buchanan, Davis, Jones, Taylor, and Van Buren.

Between 1988 and 1989, per capita income increased in all of lowa's counties. This was the first time that all the counties had increased since the 1980-1981 period. During the other years, per capita income declined in at least one county. A majority of lowa counties had decreases in per capita income from 1973 to 1974 (56) and from 1981 to 1982 (65), while nearly half had declines from 1982 to 1983 (49). These year-to-year variations reflect changes in the economy in lowa and its counties.

From 1970 to 1989, Iowa's per capita income increased by \$11,860 (Table 3). Increases were under \$10,000 in 12 counties, with Decatur's gain of \$7,883 the lowest; the only other counties with gains of less than \$9,000 were Davis (+\$8,646) and Van Buren (+8,445). Five counties (Hamilton, Johnson, Polk, Winnebago, Wright) had increases in per capita income of more than \$13,000, with Johnson (+\$14,402) up the most. During the period, 20 counties increased every year, but the other 79 declined one or more times. Eleven counties (Adams, Clayton, Crawford, Fremont, Greene, Harrison, Mitchell, Monona, Plymouth, Pocahontas, Sac) decreased in six or seven of the 19 comparisons of one year with the next.

In percentage terms, lowa's per capita income increased nearly 312% between 1970 and 1989. Gains in lowa's counties ranged from 258% in Davis to 413% in Johnson. Nine increased by more than 350%; nine others had gains of less than 270%.

Table 1. Per Capita Income in Iowa Counties, 1970-1989.

County	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976	1975	1974	1973	1972	1971	1970
Adair	14586	13125	12763	12493	10729	10151	8692	9062	9531	7565	8144	7921	6081	6321	5480	4981	5536	4059	3520	3361
Adams	14138	12454	12953	12656	10717	10007	9249	9383	9653	7599	7952	7378	5914	6594	5464	4628	5643	3782	3390	3272
Allamakee	128 69	11769	11585	10915	10006	9717	8015	8544	8455	7290	7465	7030	6388	6268	5249	458 0	4549	3494	3202	3154
Appanoose	13064	12004	11507	10998	10234	9805	9329	8770	8768	7983	7588	6647	6053	5850	5237	4766	4433	3547	3229	2983
Audubon	13911	12498	13036	12189	10968	10211	8516	9304	10080	8033	8165	7957	6088	5874	5717	5187	5568	4059	3575	3549
Benton	14961	13535	13737	13319	12148	11582	10306	10197	10728	9175	9129	8534	6981	6339	6158	5548	5513	4359	3924	3815
Black Hawk	15335	14019	13052	12261	11939	11661	11325	11287	11220	10211	9422	8326	7635	6578	6110	5504	4924	4300	3815	3608
Boone	14761	13679	13470	13203	12551	11868	11230	11137	11092	9966	9322	8567	6636	6560	6448	5877	5509	4257	3803	3711
Bremer	14782	13515	12995	12397	11904	11262	10071	10050	10100	9112	8710	7912	7101	6123	5706	5305	5107	4165	3907	3614
Buchanan	12981	11896	11924	11147	10290	10131	8572	9191	9609	8049	8027	7316	6335	5629	5612	5117	4759	3720	3264	3179
Buena Vista	15896	14430	13834	13594	12844	11435	10521	10650	11357	9658	9362	8653	7542	5813	6365	5980	6016	4558	4194	4131
Butler	14122	12792	12200	12000	11446	11054	9435	9583	10082	8738	8536	8081	6640	5856	5779	5075	5304	3907	3470	333
Cathoun	15667	13765	13550	13253	12752	11767	10512	10512	11494	10266	9892	8561	6668	5551	6110	6009	6209	4754	3753	383
arroll	16025	14763	14065	13616	12949	12233	11150	11399	11955	10255	9814	8863	6844	5860	5891	5395	5654	4333	3539	364
ass	16425	14626	13965	13254	12402	11626	10671	10649	10913	8965	9051	8314	7075	6717	5801	5377	5747	4528	3892	376
edar	15477	14534	13917	13462	12540	12106	10104	10763	11292	9339	9625	8961	7355	6654	6889	5665	5690	4355	3874	387
erro Gordo	15748	14564	13903	13231	12574	12314	11475	11062	10932	9609	9003	8298	7387	6668	6210	5579	5182	4536	4104	394
herok ee	14781	13282	12579	12343	11434	10679	9593	10134	10627	8786	8667	8113	6735	5625	6246	5852	6014	4292	3704	358
hickasaw	14211	13162	12846	12400	11667	10979	9276	9463	10022	8702	8729	8041	7051	5704	5572	5268	5418	4186	3410	334
larke	13547	12190	12242	11704	10988	9707	9409	8854	8801	8038	7369	6835	6141	5544	5064	4579	4872	3872	3585	346
lay	16057	14416	13486	12965	12006	10830	10254	10468	10956	9881	9447	8622	8100	6806	6494	5781	5892	4445	4007	38
layton	13118	12035	11738	11141	9990	10004	7628	8505	8590	7023	7478	6972	5870	5306	4976	4509	4560	3626	3240	325
linton	14536	13698	13010	12534	11793	11544	10393	10605	10815	9577	8928	7949	6929	6194	5799	5224	4911	4314	3950	393
rawford	13078	12129	11617	11696	10357	10128	8932	9441	10334	7849	7948	7559	5972	5099	5360	4868	5128	3976	3442	346
ilas	15189	14679	14202	13561	12668	12242	11428	11290	11285	9874	9584	8410	7405	7001	6619	6172	5907	4864	4303	417
vis	11996	11061	11083	10636	10061	9521	8754	8533	8352	7397	7235	6360	5192	5268	4959	4453	4862	4064	3492	335
catur	10882	9690	9723	9414	8892	8099	7624	7217	7237	6203	6121	6088	4812	4780	4306	4048	4154	3484	3135	29
laware	13037	12097	12182	11526	10155	10149	7871	8743	9021	7351	8089	7626	6187	5441	5777	4837	4591	3661	3190	30
s Moines	15316	14295	13747	13369	12798	12262	11276	11077	10882	9889	9398	8372	7578	6854	6306	5787	5358	4736	4334	41
ckinson	16696	15086	14309	13571	12605	12470	11003	10864	10845	9496	9273	8700	7536	6447	6290	5869	6149	4590	4001	38
buque	14207	13302	12715	11873	11473	11119	10177	9982	10000	9066	8666	7915	7044	6105	5633	5199	4669	4137	3806	36
met	14590	13092	12800	12595	12105	11022	10319	10153	11218	10154	8800	8310	7198	6075	6151	5918	5855	4299	4077	39
yette	13149	11822	11911	11377	10588	10202	8614	8694	8998	7741	8152	7330	6202	5459	5166	4803	4629	3623	3250	32
oyd	14187	12919	12517	12177	11277	11128	9852	9881	9873	9041	8793	7978	7306	6270	6005	5550	5433	3841	3305	35.
anklin	15306	13752	13144	13200	11896	11401	9714	10041	10940	9034	8911	8533	6718	6331	7065	6423	6186	4326	3688	39
remont	16511	14943	14332	14508	13902	11865	12397	10801	11336	10038	9316	8530	6694	6990	5967	5351	6540	4699	4251	432

Table 1. Per Capita Income in Iowa Counties, 1970-1989 (continued).

County	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976	1975	1974	1973	1972	1971	1970
County	1707	1700	1707	1700	1707	1704	1703	1702	1701	1700	udainkainka kunniska kataipi pi ana i an	17/0				ua e el estado e el e	nia-ola interioria di circia di circ	einis ain ain ainte-ainteiria	nanceinde de la company de	**************
Greene	16236	14362		14568	13129		11023	11258		10469	10167	9443	6112	6703	7023	6724	7196	5235	4220	4356
Grundy	16423	15044	14822	14388	13703	12940	11675	11773	12378	10682	10314	9246	8113	7039	7036	6755	6360	4611	3957	3909
Guthrie	14953	13872	13203	12712	11725	10845	9327	9719	10029	8123	8239	7588	5881	5732	5384	4989	5192	3836	3398	3348
lamilton	17178	16029	15683	15403	14267	12951	12029	11990	12415	10640	10160	9167	7603	6829	7061	6335	6665	5082	4413	4073
lancock	14864	13358	13075	12981	12393	12068	11010	10918	11491	9392	9334	8720	7696	6552	6914	6282	6154	4460	3736	3795
lardin	15502	14378	14262	14223	12973	12094	10683	11009	11354	9914	9365	8658	7130	6691	6405	6007	5945	4420	3916	4138
larrison	13439	12071	11695	11545	11690	10470	9467	9503	10010	8005	8107	7493	5956	5371	5504	4692	5234	3936	3570	3421
lenry	16115	14852	13902	13377	12770	11788	10684	10579	10282	8934	8767	8023	7126	6716	6272	5364	5169	4257	3831	3668
łoward	14237	13072	12971	12907	11147	11320	9178	8905	9485	7897	8308	7556	6610	5361	4976	4508	5232	3707	3108	2954
iumboldt	16383	14281	13386	13040	12054	11516	10623	10981	11548	9329	9173	8891	7232	6363	6971	6409	6117	4047	3637	3677
da	15328	14388	13642	13146	12177	11695	8937	9810	10521	7728	8662	8565	6570	4990	5824	5801	6046	4545	3986	3960
OWA	15408	14591	14156	13449	12548	12430	9874	10321	10353	8743	8856	8326	7010	6363	5816	5078	5305	4408	4112	4153
lackson	13475	12339	11729	10899	10397	10238	8856	9123	9302	8036	7850	7409	6330	5788	5298	4765	4834	3880	3520	3405
asper	15866	14957	14711	13895	13582	12985	11739	11209	11260	9799	9270	8535	7187	6781	6231	5767	5619	4770	4025	4008
efferson	14205	13503	12981	12341	11115	10571	9317	8728	9262	7989	8061	7231	6353	6098	5752	5604	4923	3949	3617	3576
lohnson	17890	16493	15501	14770	13738	13080	12015	11537	10898	9711	8817	8114	7144	6247	5740	4992	4611	4063	3738	3488
lones	12831	11873	11797	11387	10473	10013	8143	8791	9085	7739	7906	7430	6186	5532	5483	5041	4839	3883	3590	3538
(eokuk	14692	13681	14078	13342	12059	11648	10636	10286	10173	8443	8563	8088	6728	6038	6067	5077	5646	4318	3785	3637
Cossuth	15386	13575	13280	13061	12200	11534	9424	10290	10938	9300	8803	8462	7075	6006	6876	6479	6560	4342	3648	3556
.ee	14232	13116	12640	12487	12204	11659	10760	10479	10404	9275	8838	8031	6941	6419	5870	5293	4908	4171	3811	3642
.inn	17143	16122	15243	14432	13689	12906	12258	11997	11564	10630	9963	8792	7868	7116	6427	5878	5318	4694	4391	4216
.oui sa	14679	13592	12873	13021	12162	11655	9554	10355	10538	9140	8105	7267	6533	6072	6108	5281	5359	4103	3812	3709
ucas	14350	13053	12626	12301	11477	10820	10123	9736	9747	8769	8073	7660	6213	6291	5499	4834	4982	4205	3751	3652
.yon	13814	12515	12507	12472	11549	11148	9345	9980	10155	7856	8796	7859	6217	4834	5243	4955	6119	4204	3615	3463
ladi son	14497	13482	13134	12801	11870	11069	9959	9767	9784	8858	8311	7862	6727	6669	5967	5120	5523	4285	3982	3839
lahaska	13529	12863	12768	12424	11607	10874	9872	10140	10293	8721	8638	8133	6747	6278	5889	5302	5235	4279	3654	3462
larion	16108	15228	14766	13817	13203	12377	11720	11081	10843	9563	9254	8378	6968	6714	6396	5757	5377	4477	3966	3800
arshall	15915	14706	14305	13753	13156	12508	11878	11533	11432	10377	9588	8834	7682	7425	6806	6210	5836	4867	4646	4429
lills	15043	13948	13754	13367	12687	11425	10635	10350	10116	9049	8555	8382	6960	6887	6440	5654	6057	4554	4213	4193
ii tchell	15651	13887	13374	13092	11978	11481	9837	9920	10121	8254	8444	8069	6979	5467	5841	4987	5745	4161	3395	3433
fonona	14789	13288	12859	12803	12234	11231	9787	10620	11264	7842	7762	7825	6528	4975	6120	5364	6445	4377	3707	3731
lonroe	13603	12510	12121	11543	10940	10387	9465	9226	9114	8226	7453	6878	5980	5820	5197	4621	4690	3868	3387	3169
fontgomery	15939	14349	13858	13570	12681	11658	11007	10883	10909	9370	9779	8346	7037	6764	5964	5586	5788	4297	3971	3934
fuscatine	16508	15420	14831	14162	13761	13221	12027	11820	11546	10223	9311	8453	7545	7007	6396	5592	5188	4423	4142	4043
)'Brien	15862	14389	13574	13489	12668	12132	10886	10933	10965	9205	9190	8825	7421	6390	6494	6028	6142	4470	3728	3459
Osceola Osceola	15522	13515	12290	11808	10799	10185	9039	9274	10628	8985	8974	8691	7317	5714	6494	5473	6905	4684	3886	3696

Table 1. Per Capita Income in Iowa Counties, 1970-1989 (continued).

County	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976	1975	1974	1077	1073	1071	107
			1707	1700	1707	1704		1902		1900	1979	1976		19/6		19/4	1973	1972	1971	197
Page	15031	13257	12655	12544	11439	10530	10085	9836	9825	8635	8724	7768	6759	6577	5869	5124	5476	4279	3957	372
Palo Alto	15971	13941	13733	13802	12800	10892	9874	10300	11109	9764	8587	8357	6948	5736	6173	5831	6282	4184	3768	369
Plymouth	14348	12909	13303	12454	11753	10839	9047	9765	9964	7746	8473	8177	6561	5586	5793	5208	5762	4205	3523	336
Pocahontas	16482	14270	13712	13837	13076	11310	10322	11224	12248	9611	8853	8902	7328	5527	6602	6478	6903	4349	3810	373
Polk	18679	17520	16488	15635	14980	14337	13520	12968	12334	11334	10513	9330	8430	7526	6839	6205	5641	5116	4686	4419
Pottawattamie	14509	13625	12953	12668	12107	11442	10658	10349	10080	9125	8484	7943	6868	6247	5519	5180	4923	4174	3828	3729
Pouesh i ek	15949	15084	14705	13915	12469	12155	10688	10679	10580	9006	8939	8272	6915	6619	6100	5617	5650	4479	3942	376
Ringgold	13335	12450	12732	11773	10394	9021	8540	8541	8819	7729	7442	7273	5616	6154	5459	4610	5747	4114	3512	346
Sac	15741	14421	13202	13740	12344	11505	10073	10758	11914	9148	9834	8951	7031	5883	6374	6274	6368	4575	3751	379
Scott	16930	15731	14963	14264	13746	13241	12230	12126	11888	10703	9816	8702	7827	7034	6447	6004	5449	4703	4310	4114
Shelby	14163	13404	13098	12756	11932	10976	9267	10014	10366	8010	8960	8510	6160	5630	5450	5146	5585	4194	3522	3556
Sioux	13996	12247	11476	10979	10493	19978	8756	9292	10113	8469	8743	8271	6467	5654	5227	5269	5449	4223	3555	350
Story	15062	13941	13443	12667	12043	11303	10524	10174	9640	8748	8030	7258	6242	5693	5204	4742	4527	3847	3542	334
i ame	14665	13361	13127	12751	12045	11403	10056	10546	10991	9094	8552	8023	7047	6537	6370	5526	5624	4269	3800	367
Taylor	12813	11351	12052	11699	11105	9402	8731	8704	8705	7554	7840	6950	6010	6006	5215	4367	5024	3712	3098	317
Inion	14088	13035	12463	12295	11620	10927	10239	10131	9526	8470	7846	7010	6100	5954	5269	4699	4910	3949	3477	328
/an Buren	11503	10940	11170	10725	9971	9026	7801	8006	7973	7159	7399	6936	5983	5660	5321	4544	4507	3633	3286	305
Japello .	13934	12662	11864	11240	11155	10871	10307	10097	9722	9085	8267	7324	6586	5925	5393	4839	4480	4222	3834	357
larren	14712	13830	13126	12579	12079	11440	10545	10277	9915	9235	8766	7985	6824	6401	5842	5192	4984	4345	3912	364
lash ington	14283	13442	13614	13461	13013	13266	11441	11708	11553	9713	9699	8860	7313	6760	6844	5481	5650	4547	4183	393
layne	13701	12346	12351	11936	10886	10235	9645	8842	9116	7974	7758	7128	5360	5595	5157	4344	4774	3902	3270	318
lebster	15105	13782	13267	12991	12099	11453	10536	10902	10973	10065	9337	8329	7139	6485	6137	5775	5325	4283	3982	370
linnebago	17253	16060	14742	14407	13251	12957	11103	10419	10301	8771	8834	8543	7930	6920	6743	5581	6303	4816	3985	373
/inneshiek	13548	12306	11648	11053	9914	9673	7782	8101	8119	6741	6741	6577	5694	5041	4639	4224	4074	3192	3023	297
<i>l</i> oodbury	15479	14454	13925	13004	12418	11681	11318	10999	10782	9532	8933	8290	7497	6738	6200	5566	5284	4517	4077	386
lorth	15924	13862	13503	12954	12001	11643	9684	9484	9967	7906	8276	8303	7097	6071	6561	5644	6241	4385	3482	338
Iright	18048	15972	15112	15023	14209	13771	11980	11841	11892	10335	9994	9277	8035	6892	72 50	6734	6398	4744	4055	390
itate of Iowa	15664	14474	13868	13287	12569	11969	10943	10857	10812	9537	9091	8289	7189	6468	6097	5540	5349	4394	3951	380
Counties:														-	_					
Range: Low	10882	9690	9723	9414	8892	8099	7624	7217	7237	6203	6121	6088	4812	4780	4306	4048	4074	3192	3023	295
High	18679	17520	16488	15635	14980	14337	13520	12988	12415	11334	10513	9443	8430	7526	7250	6755	7196	5235	4686	442
Number Decreased		0 1	-	6	1	3	1 4	9 6	_	0 3	1 :	3 (8 30	-	-				

Table 2. Adjusted Per Capita Income (1989 Dollars) in Iowa Counties, 1970-1989.

County	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976	1975	1974	1973	1972	1971	1970
Adair	14586	13715	13918	14229	12318	12070	10704	11515	12590	10854	13135	14481	12138	13449	12232	11888	14842	11834	10602	10470
Adams	14138	13014	14125	14415	12304	11899	11390	11922	12752	10902	12826	13488	11804	14030	12196	11045	15129	11026	10211	10193
Allamakee	12869	12298	12634	12432	11488	11554	9871	10856	11169	10459	12040	12852	12750	13336	11717	10931	12196	10187	9645	9826
Appanoose	13064	12543	12549	12526	11750	11659	11489	11144	11583	11453	12239	12152	12082	12447	11690	11375	11885	10341	9726	9293
Audubon	13911	13060	14216	13883	12592	12141	10488	11822	13316	11525	13169	14547	12152	12498	12761	12379	14928	11834	10768	11056
Benton	14961	14143	14980	15170	13947	13772	12692	12957	14172	13164	14724	15601	13934	13487	13746	13241	14780	12708	11819	11885
Black Hawk	15335	14649	14233	13965	13707	13866	13947	14342	14822	14650	15197	15221	15240	13996	13638	13136	13201	12536	11491	11240
Boone	14761	14294	14689	15038	14410	14112	13830	14151	14653	14298	15035	15662	13246	13957	14393	14026	14769	12411	11455	11561
Bremer	14782	14122	14171	14120	13667	13391	12403	12770	13342	13073	14048	14464	14174	13028	12737	12661	13692	12143	11768	11259
Buchanan	12981	12431	13003	12696	11814	12046	10557	11679	12694	11548	12947	13375	12645	11977	12527	12212	12759	10845	9831	9891
Buena Vista	15896	15078	15086	15483	14746	13597	12957	13532	15003	13857	15100	15819	15054	12368	14208	14272	16129	13289	12633	12869
Butler	14122	13367	13304	13667	13141	13144	11619	12177	13318	12537	13768	14773	13253	12460	12900	12112	14220	11391	10452	10377
Calhoun	15667	14383	14776	15095	14641	13992	12946	13357	15184	14729	15955	15651	13309	11811	13638	14341	16646	13860	11304	11941
Carroll	16025	15426	15338	15508	14867	14546	13732	14484	15793	14713	15829	16203	13661	12468	13150	12876	15158	12633	10660	11361
Cass	16425	15283	15229	15096	14239	13824	13142	13531	14416	12862	14598	15199	14122	14291	12949	12833	15408	13201	11723	11723
Cedar	15477	15187	15177	15333	14397	14395	12443	13676	14917	13399	15524	16382	14681	14157	15377	13520	15255	12697	11669	12065
Cerro Gordo	15748	15218	15161	15069	14436	14642	14132	14056	14441	13786	14521	15170	14745	14187	13862	13315	13893	13224	12361	12296
Cherokee	14781	13879	13718	14058	13127	12698	11814	12877	14038	12605	13979	14832	13443	11968	13942	13967	16123	12513	11157	11156
Chickasaw	14211	13753	14009	14123	13395	13055	11424	12024	13239	12485	14079	14700	14074	12136	12438	12573	14525	12204	10271	10414
Clarke	13547	12738	13350	13330	12615	11542	11587	11250	11626	11532	11885	12495	12257	11796	11304	10928	13062	11289	10798	10788
Clay	16057	15064	14707	14767	13784	12878	12628	13301	14473	14176	15237	15762	16168	14481	14496	13797	15796	12959	12069	11875
Clayton	13118	12576	12800	12689	11470	11895	9394	10807	11347	10076	12061	12746	11717	11289	11107	10761	12225	10571	9759	10140
Clinton	14536	14313	14188	14276	13540	13727	12799	13475	14287	13740	14400	14532	13830	13179	12944	12468	13166	12577	11898	12246
Crawford	13078	12674	12668	13321	11891	12043	11000	11996	13651	11261	12819	13819	11920	10849	11964	11618	13748	11592	10367	10798
Dallas	15189	15339	15487	15445	14544	14556	14074	14346	14908	14166	15458	15375	14780	14896	14775	14730	15836	14181	12961	13016
Davis	11996	11558	12086	12114	11551	11321	10781	10842	11033	10613	11669	11627	10363	11209	11069	10628	13035	11848	10518	10436
Decatur	10882	10125	10603	10722	10209	9630	9389	9170	9560	8900	9873	11130	9605	10170	9612	9661	11137	10157	9443	9343
Delaware	13037	12641	13285	13128	11659	12068	9693	11109	11917	10547	13047	13941	12349	11577	12895	11544	12308	10673	9608	9595
Des Moines	15316	14937	14991	15227	14693	14580	13887	14075	14375	14188	15158	15305	15126	14583	14076	13811	14365	13808	13054	12972
Dickinson	16696	15764	15604	15457	14472	14828	13550	13804	14326	13624	14956	15905	15042	13717	14040	14007	16485	13382	12051	12109
Dubuque	14207	13900	13866	13523	13172	13221	12533	12684	13210	13007	13977	14470	14060	12989	12574	12408	12517	12061	11464	11240
Emmet	14590	13680	13959	14345	13898	13106	12708	12901	14819	14568	14194	15192	14367	12926	13730	14124	15697	12534	12280	12280
Fayette	13149	12353	12989	12958	12156	12131	10608	11047	11886	11106	13148	13400	12379	11615	11531	11463	12410	10563	9789	10097
Floyd	14187	13499	13650	13869	12947	13232	12133	12555	13042	12971	14182	14585	14583	13340	13404	13246	14566	11198	9955	10988
Franklin	15306	14370	14334	15034	13658	13556	11963	12759	14452	12961	14373	15600	13409	13470	15770	15329	16584	12612	11108	12249
-	16511	15614	15629	16524	15961	14108	15267	13724	14975	14402	15026	15594	13361	14872	13319	12771	17534	13700	12804	13461

Table 2. Adjusted Per Capita Income (1989 Dollars) in Iowa Counties, 1970-1989 (continued).

County	1989	1968	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976	1975	1974	1973	1972	1971	1970
Greene	16236	15007	15914	16592	15073	14342	13575	14305	15598	15020	16398	17263	12200	14262	15676	16048	19292	15262	12711	13570
Grundy	16423	15720	16164	16387	15732	15386	14378	14959	16351	15326	16635	16903	16194	14977	15705	16122	17051	13443	11919	12178
Guthrie	14953	14495	14398	14478	13462	12895	11486	12349	13248	11654	13289	13872	11739	12196	12018	11907	13920	11184	10235	10430
Hamilton .	17178	16749	17103	17543	16380	15400	14814	15235	16400	15265	16387	16759	15176	14530	15761	15119	17869	14816	13292	12688
Hancock	14864	13958	14258	14785	14228	14350	13559	13873	15180	13475	15055	15941	15361	13940	15433	14993	16499	13003	11253	11822
Hardin	15502	15024	15553	16199	14894	14380	13156	13989	14999	14224	15105	15828	14232	14236	14297	14337	15938	12886	11795	12891
Harrison	134 <i>39</i>	12613	12754	13149	13421	12449	11659	12075	13223	11485	13076	13698	11888	11428	12286	11198	14032	11475	10753	10657
Henry	16115	15519	15160	15236	14661	14017	13158	13442	13583	12818	14140	14667	14224	14289	14000	12802	13858	12411	11539	11427
Howard	14237	13659	14145	14700	12798	13460	11303	11315	12530	11330	13400	13814	13194	11406	11107	10759	14027	10808	9361	9202
Humbol dt	16383	14923	14598	14852	13839	13693	13083	13953	15255	13385	14795	16254	14435	13538	15560	15296	16399	11799	10955	11455
Ida	15328	15034	14877	14973	13980	13906	11006	12465	13898	11088	13971	15658	13114	10617	13000	13845	16209	13251	12006	12336
loua	15408	15247	15437	15318	14406	14780	12160	13114	13676	12544	14284	15221	13992	13538	12982	12119	14223	12851	12386	12938
Jackson	13475	12893	12791	12413	11937	12174	10906	11592	12288	11529	12661	13545	12635	12315	11826	11372	12960	11312	10602	10607
Jasper	15866	15629	16043	15826	15594	15440	14457	14243	14875	14059	14952	15603	14345	14428	13908	13764	15064	13907	12123	12486
Jefferson	14205	14110	14156	14056	12761	12570	11474	11090	12235	11462	13002	13219	12681	12974	12839	13375	13198	11513	10895	11140
Johnson	17890	17234	16904	16822	15773	15553	14797	14659	14396	13933	14221	14834	14259	13291	12813	11914	12362	11845	11259	10866
Jones	12831	12406	12865	12969	12024	11906	10028	11170	12001	11103	12752	13583	12347	11770	12239	12031	12973	11321	10813	11022
Keokuk	14692	14296	15352	15196	13845	13850	13099	13070	13439	12113	13811	14786	13429	12847	13542	12117	15137	12589	11401	11330
Kossuth	15386	14185	14482	14876	14007	13715	11606	13075	14449	13343	14198	15470	14122	12779	15348	15463	17587	12659	10988	11078
Lee	14232	13705	13784	14222	14011	13863	13251	13315	13744	13307	14255	14682	13854	13657	13103	12632	13158	12160	11479	11346
Linn	17143	16846	16623	16437	15716	15346	15096	15244	15276	15251	16069	16073	15705	15140	14346	14029	14257	13685	13226	13134
Louisa	14679	14203	14038	14830	13963	13859	11766	13158	13921	13113	13073	13285	13040	12919	13634	12604	14367	11962	11482	11555
Luces	14350	13639	13769	14010	13177	12866	12467	12371	12876	12581	13021	14004	12401	13385	12275	11537	13357	12259	11298	11377
Lyan	13814	13077	13639	14205	13259	13256	11509	12681	13415	11271	14187	14367	12409	10285	11703	11826	16405	12257	10889	10788
Madison	14497	14088	14323	14580	13628	13162	12265	12410	12925	12709	13405	14373	13427	14189	13319	12220	14807	12493	11994	11960
Mahaska	13529	13441	13924	14150	13326	12930	12158	12884	13597	12512	13932	14868	13467	13357	13145	12654	14035	12475	11006	10785
Marion	16108	15912	16103	15737	15158	14717	14433	14080	14324	13720	14926	15316	13908	14285	14277	13740	14416	13052	11946	11838
Marshall	15915	15367	15600	15664	15104	14873	14628	14654	15102	14888	15465	16150	15333	15798	15192	14821	15646	14190	13994	13798
Hills	15043	14575	14999	15224	14566	13585	13097	13151	13363	12983	13798	15324	13892	14653	14375	13494	16239	13277	12690	13062
Mitchell	15651	14511	14585	14911	13752	13652	12115	12605	13370	11842	13619	14751	13930	11632	13038	11902	15402	12131	10226	10695
Monona .	14789	13885	14023	14582	14046	13354	12053	13494	14880	11251	12519	14305	13030	10585	13661	12802	17279	12761	11166	11623
Monroe	13603	13072	13218	13147	12560	12351	11656	11723	12040	11802	12021	12574	11936	12383	11600	11029	12574	11277	10202	9872
Hontgomery	15939	14994	15112	15456	14559	13862	13555	13828	14411	13443	15773	15258	14046	14391	13313	13332	15517	12528	11961	12255
Huscatine	16508	16113	16173	16130	15799	15721	14812	15019	15252	14667	15018	15453	15060	14909	14277	13346	13909	12895	12476	12595
O'Brien	15862	15036	14803	15363	14544	14426	13406	13892	14485	13207	14823	16133	14812	13596	14496	14387	16466	13032	11229	10776
Osceola	15522	14122	13402	13449	12398	12111	11132	11784	14040	12891	14474	15888	14605	12157	14496	13062	18512	13656	11705	11514

Table 2. Adjusted Per Capita Income (1989 Dollars) in Iowa Counties, 1970-1989 (continued).

County	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976	1975	1974	1973	1972	1971	1970
Page	15031	13853	13800	14287	13133	12521	12420	12498	12979	12389	14071	14201	13491	13994	13100	12229	14681	12475	11919	1160
Palo Alto	15971	14567	14976	15720	14696	12951	12160	13088	14675	14009	13850	15278	13868	12204	13779	13916	16842	12198	11349	1151
Plymouth	14348	13489	14507	14185	13494	12888	11142	12408	13162	11113	13666	14949	13096	11885	12931	12430	15448	12259	10611	1047
Pocahontas	16482	14911	14953	15760	15013	13448	12712	14262	16180	13789	14279	16274	14627	11760	14737	15461	18507	12679	11476	1163
Polk	18679	18307	17980	17808	17199	17048	16650	16503	16293	16261	16956	17057	16826	16013	15266	14809	15123	14915	14114	1376
ottawattamie	14509	14237	14125	14428	13900	13605	13126	13150	13316	13092	13684	14521	13709	13291	12319	12363	13198	12169	11530	1161
Powesh i ek	15949	15762	16036	15849	14316	14453	13163	13569	13976	12921	14418	15122	13802	14083	13616	13406	15147	13058	11873	1172
tinggold	13335	13009	13884	13409	11933	10727	10517	10853	11650	11089	12003	13296	11210	13094	12185	11002	15408	11994	10578	1078
Sac	15741	15069	14397	15649	14172	13680	12405	13670	15738	13125	15861	16364	14034	12517	14228	14974	17072	13338	11298	1182
Scott	16930	16438	16317	16246	15782	15744	15062	15408	15704	15356	15832	15909	15623	14966	14391	14329	14609	13711	12982	1281
Shelby	14163	14006	14284	14528	13699	13051	11413	12724	13694	11492	14452	15558	12295	11979	12165	12282	14973	12227	10608	1107
Sioux	13996	12797	12515	12505	12047	11983	10783	11807	13359	12151	14102	15121	12908	12030	11667	12575	14609	12312	10708	1092
Story	15062	14567	14660	14427	13827	13440	12961	12928	12734	12551	12952	13269	12459	12113	11616	11317	12137	11216	10669	1041
ama	14665	13961	14315	14523	13829	13559	12384	13400	14519	13047	13794	14667	14066	13909	14219	13189	15078	12446	11446	1144
aylor	12813	11861	13143	13325	12750	11180	10752	11060	11499	10838	12645	12706	11996	12779	11641	10422	13469	10822	9331	989
nion	14088	13621	13591	14003	13341	12993	12610	12873	12584	12152	12655	12815	12176	12668	11761	11215	13164	11513	10473	1022
an Buren	11503	11432	12181	12215	11448	10732	9607	10173	10532	10271	11934	12680	11942	12043	11877	10845	12083	10592	9898	952
lapel lo	13934	13231	12938	12802	12807	12926	12693	12830	12843	13034	13334	13389	13146	12606	12038	11549	12011	12309	11548	1112
larren	14712	14451	14314	14327	13868	13603	12986	13058	13098	13250	14139	14598	13621	13619	13040	12391	13362	12668	11783	1134
lash ington	14283	14046	14846	15331	14940	15774	14090	14877	15262	13935	15644	16197	14597	14383	15277	13081	15147	13257	12599	1226
layne	13701	12901	13469	13595	12498	12170	11878	11235	12042	11440	12513	13031	10699	11904	11511	10368	12799	11376	9849	991
<i>l</i> ebster	15105	14401	14468	14796	13891	13618	12975	13853	14495	14440	15060	15227	14250	13798	13699	13783	14276	12487	11994	1155
linnebago	17253	16782	16076	16409	15214	15407	13674	13239	13608	12584	14248	15618	15828	14723	15051	13320	16898	14041	12003	1162
Jinneshiek	13548	12859	12702	12589	11382	11502	9584	10294	10725	9671	10873	12024	11365	10726	10355	10081	10922	9306	9105	925
loodbury	15479	15103	15185	14811	14257	14127	13938	13976	14243	13676	14408	15155	14964	14336	13839	13284	14166	13169	12280	1205
lorth	15924	14485	14725	14754	13778	13844	11926	12051	13166	11343	13348	15179	14166	12917	14645	13470	16732	12784	10488	1055
dright	18048	16690	16480	17110	16313	16375	14754	15046	15709	14828	16119	16960	16038	14664	16183	16072	17153	13831	12214	1216
State of Iowa	15664	15124	15123	15133	14431	14232	13477	13795	14283	13683	14663	15154	14349	13762	13609	13222	14340	12810	11901	1185
Counties:				•																
Range: Low	10882	10125	10603	10722	10209	9630	9389	9170	9560	8900	9873	11130	9605	10170	9612	9661	10922	9306	9105	920
High	18679	18307	17980	17808	17199	17048	16650	16503	16400	16261	16956	17263	16826	16013	16183	16122	19292	15262	14114	1379
Number Decreas	ed	1 6	54 6	4	2 2	5	3 8	4 9	5	2 9	6 9	4	3 3	2 4	5 2	1 9	8	1	0 5	50

Table 3. Change in Per Capita Income and Adjusted Per Capita Income for Iowa Counties, 1970-1989.

	Change	in Per Ca 1970-19	pita Income, 289		ange in Ac ita Incom	ljusted e, 1970-1989
			Years			Years
County	Dollars	Percent	Decreased	Dollars	Percent	Decreased
Adair	11225	334.0	5	4116	39.3	8
Adams	10866	332.1	6	3945	38.7	8
Atlamakee	9715	308.0	2	3043	31.0	9
Appanoose	10081	337.9	0	3771	40.6	5
Audubon	10362	292.0	5	285 5	25.8	9
Benton	11146	292.2	2	3076	25.9	9
Black Hawk	11727	325.0	0	4095	36.4	8
Boone	11050	297.8	0	3200	27.7	10
Bremer	11168	309.0	1	3523	31.3	6
Buchanan	9806	308.9	3	3090	31.2	9
Buena Vista	11765	284.8	4	3027	23.5	10
Butler	10791	324.0	3	3745	36.1	8
Calhoun	11834	308.7	4	3726	31.2	9
Carroll	12378	339.4	5	4664	41.1	8
Cass	12662	336.5	3	4702	40.1	6
Cedar	11604	299.6	5	3412	28.3	8
Cerro Gordo	11801	299.0	ō	3452	28.1	5
Cherokee	11200	312.8	4	3625	32.5	8
Chickasaw	10868	325.1	4	3023 3797		
Clarke	10084	291.2	2		36.5	10
Clay	12245			2759	25.6	6
Clayton	9863	321.2	3	4182	35.2	8
Clinton		303.0	6	2978	29.4	8
Crawford	10605	269.8	2	2290	18.7	8
Dallas	9612	277.3	7	2280	21.1	9
Davis	11011	263.5	0	2173	16.7	9
	8646	258.1	3	1560	14.9	7
Decatur	7883	262.9	3	1539	16.5	8
Delaware	9957	323.3	5	3442	35.9	8
Des Moines	11152	267.8	0	2344	18.1	7
Dickinson	12809	329.5	1	4587	37.9	8
Dubuque	10599	293.8	1	2967	26.4	6
Enme t	10648	270.1	2	2310	18.8	8
Fayette	9908	305.7	4	3052	30.2	7
Floyd	10660	302.2	2	3199	29.1	10
Fr an klin	11374	289.3	5	3057	25.0	9
remont	12190	282.1	6	3050	22.7	9
ireene	11880	272.7	7	2666	19.6	11
irundy	12514	320.1	2	4245	34.9	10
iuthrie	11605	346.6	4	4523	43.4	8
lamilton	13105	321.8	3	4490	35.4	8
lancock	11069	291.7	3	3042	25.7	10
lardin	11364	274.6	3	2611	20.3	11
larrison	10018	292.8	6	2782	26.1	9
lenry	12447	339.3	0	4688	41.0	7
loward	11283	382.0	4	5035	54.7	8
lumbol dt	12706	345.6	4	4928	43.0	8
da	11368	287.1	5	2992	24.3	9
OHB	11255	271.0	5	2470	19.1	8
ackson	10070	295.7	3	2868	27.0	7
lasper	11858	295.9	1	3380	27.1	7

Table 3. Change in Per Capita Income and Adjusted Per Capita Income for Iowa Counties, 1970-1989 (continued).

	Change	in Per Ca 1970-19	pita Income, 989		ange in Ac ita Incom	ljusted e, 1970-1989
County	Dollars	Percent	Years Decreased	Dollars	Percent	Years Decreased
I-fferen	10629	297.2	2	3065	27.5	7
Jefferson	14402	412.9	0	7024	64.6	3
Johnson	9293	262.7	3	1809	16.4	9
Jones	11055	304.0	4	3362	29.7	7
Keokuk	11830	332.7	4	4308	38.9	10
Kossuth	10590	290.8	0	2886	25.4	7
Lee	12927	306.6	0	4009	30.5	5
Linn	10970	295.8	5	3124	27.0	, 7
Louisa			3 3	2973	26.1	8
Lucas	10698	292.9		3026	28.0	
Lyon	10351	298.9	5			9
Madison	10658	277.6	2	2537	21.2	8
Mahaska 	10067	290.8	2	2744	25.4	7
Marion	12308	323.9	0	4270	36.1	6
Marshall	11486	259.3	0	2117	15.3	8
Mills	10850	258.8	1	1981	15.2	9
Mitchell	12218	355.9	6	4956	46.3	9
Monona	11058	296.4	6	3166	27.2	9
Monroe	10434	329.3	1	3 <i>7</i> 31	37.8	7
Montgomery	12005	305.2	3	3684	30.1	9
Muscatine	12465	308.3	0	3913	31.1	7
O'Brien	12403	358.6	4	5086	47.2	7
Osceola	11826	320.0	4	4008	34.8	7
Pa ge	11305	303.4	2	3424	29.5	7
Palo Alto	12276	332.2	5	4460	38.7	9
Plymouth	10986	326.8	6	3874	37.0	7
Pocahontas	12747	341.3	6	4846	41.6	10
Polk	14260	322.7	0	4913	35.7	3
Pottawattamie	10780	289.1	0	2892	24.9	8
Poweshiek	12187	324.0	1	4229	36.1	8
Ringgold	9872	285.1	5	2547	23.6	8
Sac	11944	314.6	7	3912	33.1	9
Scott	12816	311.5	0	4114	32.1	5
Shelby	10607	298.3	5	3085	27.8	10
Sioux	10490	299.2	5	3074	28.1	7
Story	11719	350.6	0	4648	44.6	4
Tama	10991	299.2	3	3220	28.1	8
Taylor	9638	303.6	5	2922	29.5	9
Union	10806	329.3	1	3864	37.8	6
Van Buren	8445	276.2	3	1977	20.8	8
Wapello	10364	290.3	0	2813	25.3	9
•			0	3372	29.7	7
Warren Unchington	11072	304.2				9
Washington	10345	262.7	5	2015 3701	16.4	
Wayne Mahatan	10520	330.7	4	3791 3550	38.3 30.7	8
Webster	11396	307.3	2	3550 5477	30.7	8
Winnebago	13523	362.5	2	5633	48.5	8
Winneshiek 	10577	356.0	2	4293	46.4	7
Woodbury	11610	300.1	0	3426	28.4	6
Worth Uniche	12536	370.0	5	5369	50.9	10
Wright	14142	362.1	2	5880	48.3	8
State of Iowa	11860	311.8	0	3814	32.2	6

Per Capita Income Adjusted for Inflation

Rising prices of goods and services between 1970 and 1989 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 1989 dollars based on the consumer price index for each year.

Per capita income adjusted for inflation was higher in 1989 than it was in 1970 for lowa, but it did not increase each year as was the case before adjustment (Table 2). Instead, there were six times (1973 to 1974, 1978 to 1979, 1979 to 1980, 1981 to 1982, 1982 to 1983, 1986 to 1987) when it declined. The purchasing power of lowa's residents was greater in 1978 than it was through the 1980s until 1989. In addition, it was lower in 1983 than any year since 1974.

County trends for adjusted per capita income show more variation than when the unadjusted figures were examined. The highest county figure was \$19,292 for Greene in 1973 while the lowest was Decatur with \$8,900 in 1980. The differences between the highest and lowest counties, which were greater than with the unadjusted figures, reached \$6,000-\$6,999 in five years, \$7,000-\$7,999 in nine years, and more than \$8,000 in 1973 and 1988. Adjusted per capita income increased in all lowa counties from 1971 to 1972 but that was the only time period when that happened. More than 90 counties had decreases from 1973 to 1974, 1978 to 1979, 1979 to 1980, and 1981 to 1982 when per capita income was adjusted for inflation. 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 1970 and 1989, lowa's adjusted per capita income increased by \$3,814 and all of the counties experienced gains (Table 3). Johnson increased the most (+\$7,024); five others (Howard, O'Brien, Winnebago, Worth, Wright) also increased by at least \$5,000. Decatur had the smallest gain (+\$1,539); four others (Davis, Jones, Mills, Van Buren) increased less then \$2,000. None of the counties had increases in adjusted per capita income in all 18 year-to-year comparisons. Two counties (Johnson, Polk) declined only three times; the remaining counties had losses at least four times. Twenty-two counties declined in nine instances when adjacent years were compared, 10 declined 10 times, and two (Greene, Hardin) had losses in 11 of the 19 comparisons.

The state's percentage increase in adjusted per capita income from 1970 to 1989 was 32%. The counties ranged from a gain of nearly 15% in Davis to a jump of almost 65% in Johnson. These percentage increases 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.

Estimated Employment and Unemployment

in Iowa's Counties: 1978-1990

Sandra Charvat Burke, Iowa State University
Willis Goudy, Iowa State University
Michael Blank, Iowa Department of Employment Services

lowa's labor force was estimated to include 1,496,000 people in 1990 a figure slightly below the highest figure (1,513,000 in 1989) reported for the period included in Table 1. Although the state's labor force grew steadily from 1978 to 1980, it then declined through 1984. The pattern changed back to growth from 1984 to 1985 and increases occurred each year until the most recent one. 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 the lowa 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 1990, Polk county had 198,400 in the labor force, more than double the next two highest counties (Linn, 96,800; Scott, 80,900). Ringgold (2,460) and Adams (2,990), in contrast, reported fewer than 3,000 in the labor force.

Polk's labor force increased by 32,600 between 1980 and 1990. Johnson (+18,200), Linn (+7,200), Pottawattamie (+7,000) and Scott (+5,800) each had gains of more than 5,000. Although lowa had 64,000 more people in the labor force in 1990 than in 1980, 55 counties had a smaller labor force at the end of the period. Of these 55 counties, 17 had declines of more than 1,000, with decreases in Black Hawk (-7,600) and Clinton (-4,700) much higher than the others.

Employment

Employment in Iowa in 1990 (1,433,000) was the same as the 1988 figure but 15,000 below that for 1989 (Table 2). The annual gains recorded from 1985 through 1989 show that the state rebounded from employment losses from 1979 through 1982 and from 1984 to 1985.

In lowa's counties in 1990, the number employed ranged from under 3,000 in Ringgold (2,320) and Adams (2,880) to 192,000 in Polk. Twenty-one counties were in the 3,000 to 4,999 range. Four urban counties (Black Hawk, Johnson, Linn, Scott), in addition to Polk, had more than 50,000 employed in 1990; another 28 had employment totals ranging from 10,000 to 49,700.

The state had 83,000 more employed persons in 1990 than in 1980, an increase of 6.1%. Polk increased the most (35,500) and Johnson was second (18,700); no other county gained more than 8,000 employees. Polk and Johnson together accounted for 65.3% of the state's gain in employment from 1980 to 1990. Forty-seven counties had lower numbers employed in 1990 than in 1980. Black Hawk (-5,800) and Clinton (-4,650) had the largest declines followed by 12 other counties with losses from 1,000 to 3,000.

Between 1980 and 1990, employment increased 49.0% in Louisa, 44.3% in Johnson, 40.3% in Dickinson, and from 20% to 33% in Dallas, Henry, Polk, Winnebago, Winneshiek, and Worth. The largest percentage declines from 1980 to 1990 were in Fremont (-27.2%) and Ringgold (-25.6%); 22 others dropped by 10% to 21%.

Table 1. Labor Force Estimates in Iowa Counties, 1978-1990.

County	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978
			-			 			1700		1700	1777	
Adair	4540	4550	4620	4410	4450	4430	4420	4560	4440	4450	4560	4600	4760
Adams	2990	3100	3190	3050	2920	2870	3030	2780	2660	2590	2690	2640	2650
Allamakee	7330	7680	7630	7470	7510	7390	7380	7150	6990	6920	7040	7160	7380
Appanoose	6410	6530	6600	6320	6150	5850	5910	5780	6020	6020	6110	6150	5950
Audubon	3590	3510	3490	3490	3660	3740	3880	409 0	4050	4100	4060	4110	4200
Benton	10650	10790	10800	10230	10730	10650	10660	10830	10940	10910	11200	11040	10860
Black Hawk	61900	61400	60600	58060	59220	59880	61710	64950	67170	68690	69500	68920	67850
Boone	12590	12800	12890	12040	12250	11940	12070	12310	12090	12290	12300	12570	12540
Bremer	10800	10700	10500	10120	10120	10190	10590	11190	10720	10610	10920	10640	10700
Buchanan	9820	9950	10080	9 810	9970	9900	10130	11270	11110	10910	11250	10940	10800
Buena Vista	10630	11350	11630	11090	10940	10990	10930	11110	10330	10560	10750	10570	10540
Butler	7280	7450	7350	7470	7660	7730	7920	8140	7820	7880	8290	8190	8340
Calhoun	5490	5510	5560	5450	5580	5660	5790	6150	6200	6200	6240	6120	6030
Carroll	11510	11720	11440	11120	11160	11080	11200	12270	12050	12180	11700	11610	11460
Cass	8200	8520	8400	8260	8340	8510	8780	9250	8970	8910	8890	8920	9070
Cedar	9550	96 70	9560	9030	8980	8880	9020	8440	8520	8290	8370	8550	8540
Cerro Gordo	26030	26370	26490	25610	25570	25450	24710	24110	23920	24620	24090	24200	24430
Cherok ee	6880	7010	7120	7100	7510	7450	7550	7740	7610	7630	7710	7830	7910
Chickasaw	7120	7320	7220	7170	<i>7</i> 320	7470	7340	7330	7130	7170	7340	7100	7180
Clarke	4600	4590	4440	4200	4140	4010	3920	4700	4550	4710	4820	4570	4400
Clay	9010	9270	9240	8780	8750	8890	9150	9810	9900	10080	10240	10340	10190
Clayton	9900	10200	10220	9770	10010	9930	10110	10540	10320	10250	10300	10460	10270
Clinton	23350	23820	23790	23030	23230	23260	23940	25570	26570	26960	28050	27630	26900
Crawford	8420	8980	9200	9120	9150	9060	9240	10470	10230	10130	9840	9810	9730
Dallas	16600	17000	16300	15480	15200	15020	15820	15520	13560	13300	13450	13180	13600
Davis	3780	3840	3870	3740	3860	3680	3760	3700	3720	3690	3600	3650	3650
Decatur	3910	3930	3820	3940	4070	4230	4090	3980	4160	4070	4160	3960	4010
Delaware	8890	8880	8720	8410	8420	8490	8760	9140	8960	8880	8950	8790	8600
Des Moines	22450	23100	23020	22480	22120	21410	21520	19060	19240	19600	19720	19540	19620
Dickinson	10080	9780	9340	8770	8650	8510	8670	7700	7480	7430	7380	7560	7710
Oubuque	44500	44900	44700	43590	43360	42330	41900	42750	43100	44980	45670	45590	45740
Emmet	5020	5050	5100	5070	5220	5410	5690	5920	6160	6340	6280	6260	6240
Fayette	10380	10550	10610	10380	10870	11130	11470	11530	11420	11370	11560	11790	12020

Table 1. Labor Force Estimates in Iowa Counties, 1978-1990 (continued).

County	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978
Floyd	8540	8730	8720	8410	8390	8470	8620	7680	7740	<i>77</i> 50	7980	8130	8250
Franklin	5220	5290	5340	5480	5710	5770	5670	6300	6350	6280	6540	6490	6490
Fremont	4100	4300	4300	4290	4350	4590	4830	6030	5820	5800	5580	5620	5110
Greene	4830	5230	5190	5190	5290	5320	5400	5350	5320	5300	5640	5660	5630
Grundy	6780	6770	6670	6480	6660	6750	6980	6410	6290	6170	6200	6190	6340
Guthrie	5310	5390	5260	5210	5370	5320	5280	5 <i>7</i> 50	5670	5590	5750	5530	5520
lami i ton	9780	10400	10200	9420	9420	9150	9270	9160	8990	8960	8650	8720	8580
lancock	6350	6430	6350	6070	6130	6180	6100	6680	6740	7070	7120	7280	6840
Hardin	9560	9580	9760	9790	9950	9960	10120	10880	10860	10950	10890	10970	10890
larrison .	6960	6960	7040	6800	6830	6930	7080	7460	7330	7130	7180	7220	7110
Henry	12070	12280	11830	10910	10440	9970	9460	10000	9860	9940	9900	10120	10750
Howard	4930	5030	5090	4970	4990	5060	5030	5520	5400	5390	5610	5470	5470
Humboldt	5340	5330	5510	5260	5430	5510	5550	5510	5430	5520	5460	5550	5910
l da	4660	4740	4720	4370	4210	4160	4150	4480	4320	4170	4250	4450	4600
Гона	8260	8620	8370	8140	8100	8050	8270	8970	8650	8970	9250	8940	9130
Jackson	10800	10880	10800	10270	9980	10100	10130	10480	10390	10300	10390	10380	10280
Jasper	17750	17950	18120	17710	17220	17380	17370	16010	15870	16040	16420	16390	16590
Jefferson	8940	9220	9180	8470	8530	8080	7980	7490	7570	7720	7840	7850	7 570
Johnson	61900	62000	60600	59520	58130	54750	53960	48280	45980	44620	43720	42860	42630
Jones	9440	9430	9150	8850	8870	8750	8780	9780	9910	9690	10020	9920	9830
Keokuk	5550	5820	5700	5540	5830	5940	5770	5320	5310	5220	5240	5410	5410
Kossuth	8990	9250	9190	9080	9560	9780	9760	11170	11060	11090	11410	11490	11370
Lee	18340	18450	18520	18450	18700	18630	18810	20210	20620	21390	21430	21760	21730
Linn	96800	97700	96500	91790	89340	85720	83960	84650	85570	87890	89 620	88490	8473 0
Louisa	8000	7800	7790	6610	5860	5110	4960	4890	5600	6160	5370	4550	4590
Lucas	4970	4940	4930	4810	4950	5000	4990	4670	4620	4630	4550	4570	4660
Lyon	6160	6170	6040	5780	5890	5590	5720	6130	6080	6020	6360	6450	6620
Madison	6160	6170	6290	5970	5800	5570	5640	5700	5720	5780	5860	5960	5970
Mahaska	10550	10500	10540	10180	10150	10060	9940	9790	9660	9850	9940	10320	10390
Marion	16220	16370	16190	15560	15010	14260	13930	16170	15940	16330	16270	16000	15670
Marshall	19980	20280	19950	19350	19920	19720	20510	19570	19680	19320	19370	19110	19890
Mills	5430	5610	5620	5460	5570	5 8 50	6050	6450	6570	6410	6410	6420	6390
Mitchell	5760	5830	5770	5640	5760	5760	5650	6120	6090	6070	6000	5930	5990

Table 1. Labor Force Estimates in Iowa Counties, 1978-1990 (continued).

County	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978
Monone	4640	4780	4780	4670	4790	4890	5100	5470	5350	5300	5400	5430	5400
Monroe	4040	4000	3700	3670	3710	3870	3810	4330	4400	4930	4850	4940	5030
Montgomery	6320	6460	6130	5870	5900	6080	6320	6480	6370	6350	6570	6690	6370
Muscatine	21630	21630	21400	20980	21070	20760	20480	21610	21640	21510	20360	19800	19750
O'Brien	8010	8080	8070	7760	7750	7720	7900	8270	7970	7770	7880	7730	8070
Osceol a	3530	3540	3500	3420	3480	3510	3690	3510	3540	3520	3440	3590	3620
Page	8500	8450	8410	8130	8400	8570	8750	9020	9080	8940	9020	9190	9750
Palo Alto	5060	5240	5230	5190	5190	5380	5640	5630	5510	5400	5480	5380	5510
Plymouth	12570	12510	12490	12140	11900	11720	11650	11490	11320	11320	11420	11440	11450
Pocahont as	4910	4960	4920	4820	4820	4830	5000	4750	4780	4770	4720	4890	4960
Polk	198400	199100	196100	186320	179650	171370	166850	163030	165450	165500	165770	164470	164100
Pottawattamie	48200	48700	48300	47330	46800	44890	46070	41920	42170	41990	41170	43540	42110
Poweshiek	10700	10920	10830	10300	9980	9710	9490	10260	10230	10090	10170	10320	10170
Ringgold	2460	2580	2590	2520	2610	2580	2670	3340	3300	3300	3230	3270	3300
Sac	5480	5690	5 69 0	5560	5700	5710	6030	6200	6250	6220	6390	6400	6630
Scott	80900	82800	83700	81570	80900	75880	<i>7</i> 2770	72410	74620	75760	75050	73780	68780
Shelby	6670	6850	6910	6690	6890	7050	7060	6820	6730	6750	6570	6460	6490
Sioux	16470	16390	15980	15150	14900	15160	14890	16560	15790	15790	16200	16070	15570
Story	42150	42550	42080	40100	39610	38950	38500	39240	38170	37960	38470	38230	39020
Tame	8430	8870	8920	8870	8860	8680	8440	9800	9740	9430	9680	9610	9850
Taylor	3330	3360	3330	3390	3510	3540	3640	3570	3540	3480	3500	3490	3560
Union	6610	6620	6540	6330	6370	6200	6320	7320	7350	7320	7160	7360	7160
/an Buren	3400	3630	3650	3750	3780	3740	3700	3910	3850	3890	3820	3760	3820
lapetto	15670	15840	15700	15440	16260	16420	16910	16400	16490	16900	17150	17280	16710
larren	20600	20600	20400	19290	18540	18580	18850	18290	18540	18680	18850	18480	18460
Jash ington	9500	9520	9510	9470	9600	9580	9690	9740	9630	9810	9880	10040	10220
łayne	3230	3280	3250	3220	3260	3270	3370	3810	3760	3790	3710	3820	3860
lebster	20490	20810	20800	20200	20570	20880	21180	21600	22000	22530	22920	22950	22970
/innebago	7400	7640	7790	7350	7120	7250	7330	6260	5820	5690	5860	6800	7640
/inneshiek	13470	13120	12050	12350	12330	11940	11840	12120	11880	11640	11340	10990	11090
loodbury	51900	52300	51800	51200	49310	48250	48400	46790	45890	47000	46110	48890	50890
orth	5120	4980	4870	4650	4430	4450	4550	4010	3830	3810	3970	3890	3990
iright	7680	7970	7790	7500	7640	8000	8350	8240	7980	7660	7630	7870	7930
State of lowa	1496000	1513000	1500000	1449000	1439000	1412000	1411000	1420000	1417000	1427000	1432000	1425000	1418000

Table 2. Estimates of the Number Employed in Iowa Counties, 1978-1990.

County	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978
Adair	4400	4380	4480	4260	4250	4220	4220	4310	4250	4270	4370	4450	4580
Adams	2880	3000	3100	2940	2800	2710	2890	2630	2510	2480	2580	2530	2560
Allamakee	6890	7220	7240	6980	6930	6620	6690	6520	6340	6310	6470	6720	7010
Appanoose	5950	6120	6200	5860	5570	5190	5280	5020	5170	5410	5460	5710	5410
Audubon	3450	3380	3370	3310	3380	3420	3600	3830	3840	3910	3910	4000	4080
Benton	10020	10300	10330	9620	9910	9750	9950	9880	9580	10090	10630	10710	10550
Black Hawk	58800	58100	57100	53190	51650	51260	54300	56350	59010	63170	64630	65690	64630
Boone	12130	12300	12430	11410	11480	11160	11400	11390	11220	11670	11730	12140	12130
Bremer	10400	10300	10100	9400	9140	9230	9780	10160	9680	9890	10280	10270	10330
Buchanan	9280	9440	9590	9120	9040	8790	9090	9960	10030	10140	10540	10520	10400
Buena Vista	10420	11100	11310	10720	10450	10450	10440	10560	9580	10090	10410	10320	10190
Butler	6910	7090	6960	6930	6930	6980	7280	7270	7040	72 9 0	7780	7950	8080
Calhoun	5350	5360	5360	5190	5230	5220	5480	5800	5830	5920	6030	5960	5860
Carroll	11020	11180	10940	10480	10370	10190	10540	11500	11160	11370	11070	11220	11030
Cass	7750	8160	8050	7790	7820	7840	8080	8740	8490	8460	8520	8670	8770
Cedar	9260	9370	9200	8630	8450	8280	8570	7890	7940	7950	8090	8360	8350
Cerro Gordo	24710	25110	25160	24140	23750	23390	23010	22220	22020	22860	22610	22950	23270
Cherokee	6680	6770	6860	6660	7000	7050	7190	7360	7210	7200	7420	7620	7660
Chickasaw	6690	6930	6830	6630	6570	6560	6590	6360	6290	6400	6550	6760	6800
Clarke	4360	4350	4160	3930	3790	3650	3600	4350	4150	4380	4520	4380	4180
Clay	8780	9010	8950	8360	8210	8200	8440	9270	9340	9510	9760	9990	9680
Clayton	9350	9630	964 0	9110	9190	8860	9190	9570	9270	9410	9480	9960	9830
Clinton	21820	22230	22170	21250	21120	20750	21570	22560	23260	24760	26470	26530	25900
Crawford	7940	8310	8560	8670	8600	8450	8690	9900	9580	9640	9490	9410	9360
Dallas	16000	16000	15700	14800	14230	14140	14980	14480	12580	12460	12670	12690	13040
Davis	3620	3630	3610	3420	3440	3320	3450	3270	3330	3390	3400	3490	3450
Decatur	3700	3800	3630	3700	3750	3930	3830	3650	3910	3850	3960	3800	3860
Delaware	8460	8360	8320	7920	7750	7550	8020	8190	8030	8150	8270	8480	8250
Des Moines	21260	21750	21610	20990	20210	19130	19470	16550	16770	17650	18150	18560	18620
Dickinson	9790	9490	8970	8300	7970	7710	8060	7120	6920	6970	6980	7230	7380
Dubuque	42000	42200	42300	40920	40000	38280	38320	37580	36960	40150	41760	43040	43330
Emmet	4740	4760	4800	4630	4580	4610	5070	5120	5380	5910	5940	6040	6030
Fayette	9900	10080	10120	9710	9880	10000	10470	10370	10220	10610	10780	11220	11470

Table 2. Estimates of the Number Employed in Iowa Counties, 1978-1990 (continued).

County	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978
Floyd	8050	8290	8230	7770	7500	7170	7770	6370	6620	6800	6960	7650	7670
Franklin	4950	5060	5070	5090	5310	5350	5290	5800	5910	6020	6280	6310	6320
Fremont	3960	4140	4130	4090	4050	4200	4470	5740	5550	5620	5440	5490	4960
Greene	4560	4880	4940	4900	4 89 0	4820	4970	4920	4870	4920	5290	5490	5430
Grundy	6590	6580	6410	6200	6260	6340	6600	5920	5910	5930	5920	6040	6120
Guthrie	5050	5060	5060	4930	4960	4940	4960	5420	5320	5270	5480	5350	5320
Hamilton	9350	10030	9900	9040	8860	8570	8710	8570	8450	8450	8250	8420	8240
Hancock	5950	6130	6140	5760	5650	5590	5760	6250	6210	6710	6590	6940	6600
Hardin	9160	9190	9250	9140	9340	9370	9510	10360	10340	10480	10520	10730	10640
Harrison	6640	6560	6600	6360	6290	6290	6540	6820	6730	6750	6860	6900	6830
Henry	11 69 0	11810	11370	10360	9830	9230	8760	9190	9060	9180	9320	9750	10350
Howard	4730	4760	4770	4700	4590	4590	4670	5090	4960	5050	5260	5250	5230
Humbol dt	5160	5160	5350	5020	5050	5080	5170	5110	5070	5220	5170	5330	5720
t da	4540	4610	4600	4230	4040	3950	3980	4340	4180	4040	4110	4340	4500
Ома	8020	8420	8150	7870	7650	7530	7930	8550	8070	8550	8980	8730	8950
Jackson	10130	10100	10000	9490	9050	8920	9140	9070	8990	9260	9480	9770	9660
Jasper	17050	17210	17370	16850	16110	16300	16230	14630	14180	14760	15160	15670	15950
Jefferson	8550	8770	8740	7880	7850	7500	7470	6870	6790	7190	7370	7550	7320
Johnson	60900	61000	59400	58310	56590	53040	52640	46570	44040	42510	42190	41720	41630
Jones	8990	9040	8790	8350	8270	8010	8120	8950	9010	9080	9470	9610	9520
Keokuk	5260	5530	5380	5200	5350	5450	5320	4810	4750	4670	4800	5130	5160
Kossuth	8530	8820	8730	8500	8810	8940	9120	10460	10260	10390	10720	10940	10960
Lee	17040	17060	16990	16660	16790	16680	16990	17960	18150	19460	19900	20730	20850
Linn	91800	94100	93000	87030	83780	79570	77940	77650	77300	80800	83800	85250	81880
Louisa	7690	7490	7500	6270	5450	4590	4540	4350	5270	5930	5160	4340	4330
Lucas	4690	4700	4720	4540	4660	4620	4650	4350	4260	4340	4280	4350	4400
Lyon	6030	6020	5870	5590	5620	5330	5460	5860	5880	5750	6100	6280	6450
Madison	5870	5850	5960	5660	5340	5160	5240	5230	5250	5370	5530	5730	5740
Mahaska	10110	10000	10160	9710	9460	9220	9320	9090	8860	9190	9390	9960	10050
darion	15680	15820	15670	15010	14370	13700	13350	15420	15100	15670	15640	15590	15260
tarshall	19240	19510	19140	18170	18490	18170	18950	17490	17820	18130	18300	18400	19230
tills	5200	5380	5410	5200	5180	5420	5710	6150	6280	6150	6210	6220	6230
fitchell	5550	5630	5560	5360	5330	5210	5240	5530	5590	5570	5520	5610	5660

Table 2. Estimates of the Number Employed in Iowa Counties, 1978-1990 (continued).

County	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978
Monona	4450	4550	4490	4330	4390	4450	4700	5090	4960	4980	5100	5160	5130
Monroe	3810	3750	3440	3360	3230	3370	3320	3780	3780	4470	4510	4660	4750
Montgomery	6010	6140	5890	5590	5520	5550	5860	6080	5970	6010	6240	6520	6190
uscatine	20520	20540	20290	19710	19540	19180	19060	19950	20130	20310	19380	18930	18850
O'Brien	7820	7900	7840	7450	7360	7350	7510	7920	7640	7450	7610	7520	7810
Osceola	3410	3400	3320	3250	3230	3240	3450	3270	3280	3300	3260	3440	3480
Page	8080	8040	8070	7700	7830	7870	8150	8320	8410	8510	8660	8930	9450
Palo Alto	4890	5050	5030	4990	4870	4920	5210	5170	5100	5050	5190	5170	5300
Plymouth	12200	12090	12000	11580	11240	10900	10970	10870	10670	10720	10940	10950	10970
Pocahontas	4790	4840	4780	4640	4580	4540	4750	4440	4420	4510	4540	4740	4820
Polk	192000	192000	188800	177970	169300	160110	156950	150850	152150	153370	156450	157590	15 <i>7</i> 530
Pottawattamie	46000	46400	46000	44460	43530	41510	42580	39150	38780	38600	38630	41240	39990
Poweshiek	10320	10540	10500	9910	9480	9090	8930	9600	9540	9590	9640	9980	9860
Ringgold	2320	2460	2460	2340	2450	2400	2470	3050	3110	3180	3120	3160	3200
Sac	5210	5390	5360	5210	5240	5180	5490	5550	5560	5810	6080	6180	6400
Scott	76800	77900	78000	76200	74950	69640	66970	64630	66260	69750	71100	70770	65480
Shelby	6380	6520	6570	6310	6410	6420	6470	6430	6360	6410	6310	6220	6230
Sioux	16190	16060	15610	14560	14210	14430	14240	15910	15070	15040	15530	15560	15100
Story	41330	41840	41360	39160	38350	37640	37280	37570	36540	36440	37160	37330	38230
Tama	8020	8500	8510	8310	8190	8000	8020	9360	9270	9120	9410	9370	9580
Taylor	3190	3220	3200	3180	3260	3250	3380	3270	3320	3340	3360	3370	3440
Union	6300	6360	6230	5930	5950	5750	5800	6780	6890	6880	6800	7080	6880
Van Buren	3220	3350	3380	3420	3420	3360	3410	3530	3440	3580	3530	3600	3660
Wapello	14670	14780	14540	13870	14070	14460	15200	14310	14450	14930	15790	16100	15730
Warren	20000	20000	19700	18490	17670	17620	18010	17350	17500	17640	18000	17910	17910
Wash ington	9150	9130	9080	8910	8840	8790	9090	9020	8980	9240	9360	9660	9860
Wayne	3120	3180	3100	3040	3060	3030	3150	3540	3530	3620	3560	3680	3700
Webster	19480	19800	19800	18980	18980	19020	19520	19800	20220	21010	21590	21980	22170
Winnebago	6970	7350	7600	7070	6740	6730	7080	5930	5420	5320	5300	6350	7400
Winneshiek	12970	12550	11430	11610	11440	11030	11020	11240	11090	10810	10640	10420	10530
Woodbury	49700	50100	49000	47780	45250	44090	44800	43280	42170	43340	43160	45240	47670
Worth	4850	4740	4650	4410	4080	4040	4250	369 0	3510	3500	3650	3650	3810
Wright	7400	7700	7490	7140	7180	7370	7870	7740	7530	7280	7260	7630	7720
State of Iowa	1433000	1448000	1433000	1369000	1338000	1300000	1312000	1305000	1296000	1328000	1350000	1366000	1361000

Table 3. Estimates of the Number Unemployed in Iowa Counties, 1978-1990.

County	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978
Adair	140	170	140	150	200	200	200	250	200	180	190	160	180
Adams	110	100	90	110	130	160	140	150	150	110	110	110	100
Allamakee	440	450	390	480	580	770	690	630	650	610	580	440	370
Appanoose	460	410	400	460	580	660	620	760	850	610	640	440	540
Audubon	140	130	120	190	280	320	280	260	210	180	140	110	130
Benton	630	490	480	620	810	900	710	950	1370	820	570	340	310
Black Hawk	3100	3300	3500	4870	7570	8620	7410	8590	8160	5520	4870	3230	3220
Boone	460	500	460	630	770	780	670	9 20	880	620	570	430	420
Bremer	400	400	400	710	980	960	810	1030	1040	720	640	370	370
Buchanan	540	520	490	680	930	1120	1040	1300	1080	770	710	420	400
Buena Vista	210	250	320	370	490	540	490	550	740	470	340	260	340
Butler	380	360	390	540	730	750	630	870	770	590	510	240	260
Calhoun	150	160	200	260	340	440	310	350	360	290	210	160	170
Carroll	490	540	500	640	790	880	660	760	890	820	630	390	430
Cass	450	370	360	470	520	680	700	510	470	450	370	250	300
Cedar	290	310	370	400	530	600	440	550	580	340	280	190	190
Cerro Gordo	1320	1260	1330	1470	1820	2060	1700	1890	1900	1760	1490	1250	1160
Cherokee	210	240	260	440	510	400	360	380	390	430	290	220	250
Chickesaw	440	400	400	540	760	910	760	970	840	770	780	340	390
Clarke	240	240	270	280	350	360	330	350	390	330	290	190	220
Clay	230	260	290	420	540	690	710	550	560	560	480	350	510
Clayton	550	570	580	660	820	1070	920	970	1050	840	820	500	440
Clinton	1530	1590	1620	1780	2110	2510	2370	3010	3310	2200	1590	1110	990
Crawford	480	670	640	460	550	620	560	570	650	490	350	400	360
Dallas	600	1000	600	690	970	880	840	1040	980	840	790	490	560
Davis	160	210	270	320	420	360	310	420	390	300	200	160	190
Decatur	210	130	200	240	310	300	260	330	250	220	200	160	160
Delaware	420	520	400	500	680	950	750	950	930	730	680	310	350
Des Moines	1200	1350	1410	1490	1910	2290	2060	2500	2470	1950	1580	990	1000
Dickinson	290	280	370	470	680	800	610	580	560	470	400	330	320
Dubuque	2500	2700	2400	2670	3370	4040	3580	5170	6140	4830	3910	2550	2410
Emmet	270	290	300	430	640	800	620	800	780	430	340	220	220
fayette	480	470	490	670	990	1130	1000	1160	1200	770	780	570	550

Table 3. Estimates of the Number Unemployed in Iowa Counties, 1978-1990 (continued).

County	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978
Floyd	490	440	490	630	890	1300	850	1310	1120	960	1020	480	580
Franklin	270	230	270	390	390	420	380	500	440	260	260	180	160
Fremont	150	160	170	200	300	390	360	290	270	180	130	140	150
Greene	280	350	250	290	400	500	430	430	440	380	350	170	200
Grundy	190	190	260	280	400	410	380	490	380	240	280	150	220
Guthrie	260	340	200	280	410	380	320	320	350	320	270	180	200
Hamilton	430	370	300	370	570	580	560	590	540	510	410	300	340
Hancock	410	300	220	300	480	600	340	430	520	370	530	340	240
Hardin	400	400	510	640	620	600	610	530	520	470	370	240	260
Harrison	310	400	440	440	530	630	530	640	600	390	320	320	280
Henry	380	470	450	550	610	740	700	810	800	760	590	370	390
Howard	210	270	310	270	390	470	360	430	440	350	350	220	240
Humboldt	180	170	160	240	380	420	380	400	370	300	290	220	190
Ida	130	130	130	140	170	210	170	150	140	130	140	110	110
lowa	240	200	220	270	450	520	340	420	580	420	270	210	180
Jackson	670	780	810	770	930	1180	990	1410	1400	1040	910	620	620
Jasper	700	740	750	860	1110	1080	1140	1380	1680	1280	1260	720	650
Jefferson	390	440	440	590	680	580	510	620	780	540	470	300	260
Johnson	1000	900	1100	1210	1540	1710	1320	1710	1930	2110	1530	1140	1010
Jones	450	400	370	500	600	750	660	830	900	610	550	310	310
Keokuk	290	290	320	340	480	500	450	520	560	550	450	280	260
Kossuth	460	430	460	580	750	840	630	710	800	700	690	550	410
Lee	1300	1380	1530	1790	1920	1950	1820	2250	2470	1930	1540	1030	880
Lim	5000	3600	3600	4760	5560	6150	6020	7000	8270	7100	5820	3240	2860
Louisa	310	310	280	340	420	520	420	540	340	230	210	210	260
Lucas	280	230	210	270	300	380	340	320	3 60	290	280	220	260
Lyon	130	150	170	190	270	260	260	270	200	260	270	160	170
Madison	290	320	330	310	460	410	400	470	460	420	340	240	240
Mahaska	440	500	380	470	680	850	630	700	800	660	560	360	340
Marion	540	550	520	540	640	560	580	750	840	660	630	410	400
Mershall	740	770	810	1190	1430	1550	1560	2080	1860	1190	1070	710	660
Mills	240	230	210	270	390	430	340	30 0	290	260	210	200	160
Mitchell	210	210	210	280	430	550	410	590	490	500	480	320	320

Table 3. Estimates of the Number Unemployed in Iowa Counties, 1978-1990 (continued).

County	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1960	1979	1978
Monona	190	230	290	340	400	440	400	380	390	320	290	270	270
Monroe	230	250	260	310	480	490	490	550	620	460	330	280	270
Montgomery	310	320	240	280	390	540	450	400	400	340	330	180	170
Muscatine	1110	1090	1110	1270	1530	1580	1420	1660	1510	1200	980	870	900
O'Brien	180	180	230	320	390	380	390	350	330	320	270	210	260
Osceola	120	140	190	170	260	270	240	240	260	220	170	140	140
Page	420	410	350	430	560	710	610	700	670	430	360	260	300
Palo Alto	170	190	200	200	320	460	430	470	410	350	290	210	220
Plymouth	370	420	490	560	660	830	680	620	650	600	480	490	480
Pocahontas	120	120	140	180	240	290	250	310	360	250	190	140	130
Polk	6500	7100	7400	8350	10350	11250	9900	12180	13300	12130	9320	6870	6570
Pottawattamie	2200	2300	2300	2860	3270	3380	3480	2770	3390	3400	2540	2300	2120
Poweshiek	370	380	340	390	500	620	560	660	690	500	530	340	320
Ringgold	130	120	130	180	160	180	200	290	190	130	120	110	110
Sac	270	300	330	350	460	530	540	650	690	410	310	220	230
Scott	4100	5000	5700	5370	5950	6240	5810	7790	8360	6010	3950	3010	3300
Shel by	290	330	340	380	490	630	590	390	370	330	260	240	260
Sioux	280	330	370	580	690	740	650	660	710	<i>7</i> 50	670	510	470
Story	810	710	720	940	1260	1310	1220	1680	1630	1520	1310	900	790
Tame	410	370	410	560	670	680	420	440	470	310	280	240	270
Taylor	130	140	120	210	250	290	260	310	210	140	130	120	120
Union	310	270	310	400	420	450	520	540	460	430	370	280	280
Van Buren	180	280	280	340	360	380	290	380	410	310	290	160	170
Wapello	1000	1070	1160	1570	2190	1960	1710	2090	2040	1970	1360	1180	990
Warren	600	600	700	810	870	970	840	940	1050	1040	850	560	560
Wash ington	340	390	430	560	760	790	590	<i>7</i> 20	650	580	520	380	360
Wayne	110	100	150	190	200	250	230	270	230	170	160	130	160
Webster	1010	1010	1000	1220	1590	1860	1660	1800	1780	1520	1330	970	800
Winnebago	430	290	190	280	380	520	260	330	400	370	560	450	240
Winneshiek	500	570	620	<i>7</i> 50	880	910	820	890	790	830	700	570	560
Hoodbury	2100	2200	2700	3410	4060	4160	3600	3500	3720	3660	2950	3650	3220
Worth	270	240	220	240	350	400	290	320	320	310	320	240	180
Wright	280	280	300	350	460	630	480	510	450	370	380	240	210
State of lowa	63000	65000	67000	80000	101000	112000	99000	115000	121000	99000	82000	59000	57000

Table 4. Estimated Unemployment Rates in Iowa Counties, 1978-1990.

County	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978
Adair	3.1	3.7	3.0	3.4	4.5	4.5	4.5	5.5	4.5	4.0	4.2	3.5	3.8
Adams	3.7	3.2	2.8	3.6	4.5	5.6	4.6	5.4	5.6	4.2	4.1	4.2	3.8
Allamakee	6.0	5.9	5.1	6.4	7.7	10.4	9.3	8.8	9.3	8.8	8.2	6.1	5.0
Appanoose	7.2	6.3	6.1	7.3	9.4	11.3	10.5	13.1	14.1	10.1	10.5	7.2	9.1
Audubon	3.9	3.7	3.4	5.4	7.7	8.6	7.2	6.4	5.2	4.4	3.4	2.7	3.1
Benton	5.9	4.5	4.4	6.1	7.5	8.5	6.7	8.8	12.5	7.5	5.1	3.1	2.9
Black Hawk	5.0	5.4	5.8	8.4	12.8	14.4	12.0	13.2	12.1	8.0	7.0	4.7	4.7
Boone	3.7	3.9	3.6	5.2	6.3	6.5	5.6	7.5	7.3	5.0	4.6	3.4	3.3
Bremer	3.7	3.7	3.8	7.0	9.7	9.4	7.6	9.2	9.7	6.8	5.9	3.5	3.5
Buchanan	5.5	5.2	4.9	6.9	9.3	11.3	10.3	11.5	9.7	7.1	6.3	3.8	3.7
Buena Vista	2.0	2.2	2.8	3.3	4.5	4.9	4.5	5.0	7.2	4.5	3.2	2.5	3.2
Butler	5.2	4.8	5.3	7.2	9.5	9.7	8.0	10.7	9.8	7.5	6.2	2.9	3.1
Calhoun	2.7	2.9	3.6	4.8	6.1	7.8	5.4	5.7	5.8	4.7	3.4	2.6	2.8
Carroll	4.3	4.6	4.4	5.8	7.1	7.9	5.9	6.2	7.4	6.7	5.4	3.4	3.8
Cass	5.5	4.3	4.3	5.7	6.2	8.0	8.0	5.5	5.2	5.1	4.2	2.8	3.3
Cedar	3.0	3.2	3.9	4.4	5.9	6.8	4.9	6.5	6.8	4.1	3.3	2.2	2.2
Cerro Gordo	5.1	4.8	5.0	5.7	7.1	8.1	6.9	7.8	7.9	7.1	6.2	5.2	4.7
Cherokee	3.1	3.4	3.7	6.2	6.8	5.4	4.8	4.9	5.1	5.6	3.8	2.8	3.2
Chickasaw	6.2	5.5	5.5	7.5	10.4	12.2	10.4	13.2	11.8	10.7	10.6	4.8	5.4
Clarke	5.2	5.2	6.1	6.7	8.5	9.0	8.4	7.4	8.6	7.0	6.0	4.2	5.0
Clay	2.6	2.8	3.1	4.8	6.2	7.8	7.8	5.6	5.7	5.6	4.7	3.4	5.0
Clayton	5.6	5.6	5.7	6.8	8.2	10.8	9.1	9.2	10.2	8.2	8.0	4.8	4.3
Clinton	6.6	6.7	6.8	7.7	9.1	10.8	9.9	11.8	12.5	8.2	5.7	4.0	3.7
Crawford	5.7	7.5	7.0	5.0	6.0	6.8	6.1	5.4	6.4	4.8	3.6	4.1	3.7
Datlas	3.6	5.9	3.7	4.5	6.4	5.9	5.3	6.7	7.2	6.3	5.9	3.7	4.1
Davis	4.2	5.5	7.0	8.6	10.9	9.8	8.2	11.4	10.5	8.1	5.6	4.4	5.2
Decatur	5.4	3.3	5.2	6.1	7.6	7.1	6.4	8.3	6.0	5.4	4.8	4.0	4.0
)elaware	4.7	5.9	4.6	5.9	8.1	11.2	8.6	10.4	10.4	8.2	7.6	3.5	4.1
es Moines	5.3	5.8	6.1	6.6	8.6	10.7	9.6	13.1	12.8	9.9	8.0	5.1	5.1
Dickinson	2.9	2.9	4.0	5.4	7.9	9.4	7.0	7.5	7.5	6.3	5.4	4.4	4.2
oubuque	5.6	6.0	5.4	6.1	7.8	9.5	8.5	12.1	14.2	10.7	8.6	5.6	5.3
immet	5.4	5.7	5.9	8.5	12.3	14.8	10.9	13.5	12.7	6.8	5.4	3.5	3.5
Fayette	4.6	4.5	4.6	6.5	9.1	10.2	8.7	10.1	10.5	6.8	6.7	4.8	4.6

Table 4. Estimated Unemployment Rates in Iowa Counties, 1978-1990 (continued).

County	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978
Floyd	5.7	5.0	5.6	7.5	10.6	15.3	9.9	17.1	14.5	12.4	12.8	5.9	7.0
Franklin	5.2	4.3	5.1	7.1	6.8	7.3	6.7	7.9	6.9	4.1	4.0	2.8	2.5
Fremont	3.7	3.7	4.0	4.7	6.9	8.5	7.5	4.8	4.6	3.1	2.3	2.5	2.9
Greene	5.8	6.7	4.8	5.6	7.6	9.4	8.0	8.0	8.3	7.2	6.2	3.0	3.6
Grundy	2.8	2.8	3.9	4.3	6.0	6.1	5.4	7.6	6.0	3.9	4.5	2.4	3.5
Guthrie	4.9	6.3	3.8	5.4	7.6	7.1	6.1	5.6	6.2	5.7	4.7	3.3	3.6
Hamilton	4.4	3.6	2.9	3.9	6.1	6.3	6.0	6.4	6.0	5.7	4.7	3.4	4.0
Hancock	6.5	4.7	3.5	4.9	7.8	9.7	5.6	6.4	7.7	5.2	7.4	4.7	3.5
Hardin	4.2	4.2	5.2	6.5	6.2	6.0	6.0	4.9	4.8	4.3	3.4	2.2	2.4
Harrison	4.5	5.7	6.3	6.5	7.8	9.1	7.5	8.6	8.2	5.5	4.5	4.4	3.9
Henry	3.1	3.8	3.8	5.0	5.8	7.4	7.4	8.1	8.1	7.6	6.0	3.7	3.6
Howard	4.3	5.4	6.1	5.4	7.8	9.3	7.2	7.8	8.1	6.5	6.2	4.0	4.4
Humbol dt	3.4	3.2	2.9	4.6	7.0	7.6	6.8	7.3	6.8	5.4	5.3	4.0	3.2
i da	2.8	2.7	2.8	3.2	4.0	5.0	4.1	3.3	3.2	3.1	3.3	2.5	2.4
I owa	2.9	2.3	2.6	3.3	5.6	6.5	4.1	4.7	6.7	4.7	2.9	2.3	2.0
Jackson	6.2	7.2	7.5	7.5	9.3	11.7	9.8	13.5	13.5	10.1	8.8	6.0	6.0
Jasper	3.9	4.1	4.1	4.9	6.4	6.2	6.6	8.6	10.6	8.0	7.7	4.4	3.9
Jefferson	4.4	4.8	4.8	7.0	8.0	7.2	6.4	8.3	10.3	7.0	6.0	3.8	3.4
Johnson	1.6	1.5	1.8	2.0	2.6	3.1	2.4	3.5	4.2	4.7	3.5	2.7	2.4
Jones	4.8	4.2	4.0	5.6	6.8	8.6	7.5	8.5	9.1	6.3	5.5	3.1	3.2
Keokuk	5.2	5.0	5.6	6.1	8.2	8.4	7.8	9.8	10.5	10.5	8.6	5.2	4.8
Cossuth	5.1	4.6	5.0	6.4	7.8	8.6	6.5	6.4	7.2	6.3	6.0	4.8	3.6
Lee	7.1	7.5	8.3	9.7	10.3	10.5	9.7	11.1	12.0	9.0	7.2	4.7	4.0
Lim	5.2	3.7	3.7	5.2	6.2	7.2	7.2	8.3	9.7	8.1	6.5	3.7	3.4
Louisa	3.9	4.0	3.6	5.1	7.2	10.2	8.5	11.0	6.1	3.7	3.9	4.6	5.7
Lucas	5.6	4.7	4.3	5.6	6.1	7.6	6.8	6.9	7.8	6.3	6.2	4.8	5.6
Lyon	2.1	2.4	2.8	3.3	4.6	4.7	4.5	4.4	3.3	4.3	4.2	2.5	2.6
ladi son	4.7	5.2	5.2	5.2	7.9	7.4	7.1	8.2	8.0	7.3	5.8	4.0	4.0
lahaska	4.2	4.8	3.6	4.6	6.7	8.4	6.3	7.2	8.3	6.7	5.6	3.5	3.3
farion	3.3	3.4	3.2	3.5	4.3	3.9	4.2	4.6	5.3	4.0	3.9	2.6	2.6
larshall	3.7	3.8	4.1	6.1	7.2	7.9	7.6	10.6	9.5	6.2	5.5	3.7	3.3
tills	4.4	4.1	3.7	4.9	7.0	7.4	5.6	4.7	4.4	4.1	3.3	3.1	2.5
litchell	3.6	3.6	3.6	5.0	7.5	9.5	7.3	9.6	8.0	8.2	8.0	5.4	5.3

Table 4. Estimated Unemployment Rates in Iowa Counties, 1978-1990 (continued).

County	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978
Monona	4.1	4.8	6.1	7.3	8.4	9.0	7.8	6.9	7.3	6.0	5.4	5.0	5.0
Monro e	5.7	6.3	7.0	8.4	12.9	12.7	12.9	12.7	14.1	9.3	6.8	5.7	5.4
Montgomery	4.9	5.0	3.9	4.8	6.6	8.9	7.1	6.2	6.3	5.4	5.0	2.7	2.7
Muscatine	5.1	5.0	5.2	6.1	7.3	7.6	6.9	7.7	7.0	5.6	4.8	4.4	4.6
O'Brien	2.2	2.2	2.9	4.1	5.0	4.9	4.9	4.2	4.1	4.1	3.4	2.7	3.2
Osceola	3.4	4.0	5.4	5.0	7.5	7.7	6.5	6.8	7.3	6.3	4.9	3.9	3.9
Page	4.9	4.9	4.2	5.3	6.7	8.3	7.0	7.8	7.4	4.8	4.0	2.8	3.1
Palo Alto	3.4	3.6	3.8	3.9	6.2	8.6	7.6	8.3	7.4	6.5	5.3	3.9	4.0
Plymouth	2.9	3.4	3.9	4.6	5.5	7.1	5.8	5.4	5.7	5.3	4.2	4.3	4.2
Pocahontas	2.4	2.4	2.8	3.7	5.0	6.0	5.0	6.5	7.5	5.2	4.0	2.9	2.6
Polk	3.3	3.6	3.8	4.5	5.8	6.6	5.9	7.5	8.0	7.3	5.6	4.2	4.0
Pottawattamie	4.6	4.7	4.8	6.0	7.0	7.5	7.6	6.6	8.0	8.1	6.2	5.3	5.0
Poweshiek	3.5	3.5	3.1	3.8	5.0	6.4	5.9	6.4	6.7	5.0	5.2	3.3	3.1
Ringgold	5.3	4.7	5.0	7.1	6.1	7.0	7.5	8.7	5.8	3.9	3.7	3.4	3.3
Sac	4.9	5.3	5.8	6.3	8.1	9.3	9.0	10.5	11.0	6.6	4.9	3.4	3.5
Scott	5.1	6.0	6.8	6.6	7.4	8.2	8.0	10.8	11.2	7.9	5.3	4.1	4.8
Shelby	4.3	4.8	4.9	5.7	7.1	8.9	8.4	5.7	5.5	4.9	4.0	3.7	4.0
Sioux	1.7	2.0	2.3	3.8	4.6	4.9	4.4	4.0	, 4.5	4.7	4.1	3.2	3.0
Story	1.9	1.7	1.7	2.3	3.2	3.4	3.2	4.3	4.3	4.0	3.4	2.4	2.0
Tama	4.9	4.2	4.6	6.3	7.6	7.8	5.0	4.5	4.8	3.3	2.9	2.5	2.7
Taylor	3.9	4.2	3.6	6.2	7.1	8.2	7.1	8.7	5.9	4.0	3.7	3.4	3.4
Union	4.7	4.1	4.7	6.3	6.6	7.3	8.2	7.4	6.3	5.9	5.2	3.8	3.9
Van Buren	5.3	7.7	7.7	9.1	9.5	10.2	7.8	9.7	10.6	8.0	7.6	4.3	4.5
Wapello	6.4	6.8	7.4	10.2	13.5	11.9	10.1	12.7	12.4	11.7	7.9	6.8	5.9
Warren	2.9	2.9	3.4	4.2	4.7	5.2	4.5	5.1	5.7	5.6	4.5	3.0	3.0
Washington	3.6	4.1	4.5	5.9	7.9	8.2	6.1	7.4	6.7	5.9	5.3	3.8	3.5
Wayne	3.4	3.0	4.6	5.9	6.1	7.6	6.8	7.1	6.1	4.5	4.3	3.4	4.1
Webster	4.9	4.9	4.8	6.0	7.7	8.9	7.8	8.3	8.1	6.7	5.8	4.2	3.5
Winnebago	5.8	3.8	2.4	3.8	5.3	7.2	3.5	5.3	6.9	6.5	9.6	6.6	3.1
Winneshiek	3.7	4.3	5.1	6.1	7.1	7.6	6.9	7.3	6.6	7.1	6.2	5.2	5.0
Woodbury	4.0	4.2	5.2	6.7	8.2	8.6	7.4	7.5	8.1	7.8	6.4	7.5	6.3
Worth	5.3	4.8	4.5	5.2	7.9	9.0	6.4	8.0	8.4	8.1	8.1	6.2	4.5
Wright	3.6	3.5	3.9	4.7	6.0	7.9	5.7	6.2	5.6	4.8	5.0	3.0	2.6
State of Iowa	4.2	4.3	4.5	5.5	7.0	7.9	7.0	8.1	8.5	6.9	5.7	4.1	4.0

Unemployment

Unemployment figures for lowa during this period reflect the economic difficulties encountered by the state in the first half of the 1980s. Unemployment stayed between 57,000 and 59,000 in the late 1970s, but it was 121,000 in 1982 (Table 3). For four of the five years from 1982 through 1986, unemployment was over 100,000. Relatively rapid decreases, especially from 1986 through 1988, brought the figure down to 63,000 in 1990. That was a decline of 47.9% from the period high in 1982.

Polk had the highest number unemployed (6,500) in 1990, followed by Linn (5,000), Scott (4,100), and Black Hawk (3,100). Eleven other counties had at least 1,000 unemployed. Nineteen counties had fewer than 200 unemployed in 1990; the two lowest were Adams and Wayne with 110 each.

Unemployment in 1990 was much lower than the figures for the years 1982 through 1985 in most of lowa's counties. Ninety-one counties recorded their highest unemployment for the period during one of those four years. All but one county (Winnebago) had lower unemployment in 1990 than in 1982, the year of lowa's highest unemployment. Forty-one counties had their unemployment reduced by at least 50% between the two years.

Although unemployment in Iowa in 1990 was much lower than the high point in 1982, the state's figure was still higher than the levels of unemployment in the 1970s. That was the situation for a majority of the counties also.

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 lowa from 1981 through 1986 (Table 4). The highest annual rate (1982, 8.5%) was about double the rates in the late 1970s (4.0%-4.1%) and 1989 (4.3%) or 1990 (4.2%).

For the counties in 1990, unemployment rates varied from under 2.0% (Johnson, Sioux, Story) to more than 7.0% (Appanoose, Lee). Thirty-seven counties ranged from 2.0% to 3.9%, 24 from 4.0% to 4.9%, and 33 from 5.0% to 6.9%.

The unemployment rates in 1990 were much lower than those in 1982, the year of lowa's highest rate. In 1982, 23 counties had unemployment rates 10.0% or greater, with four (Appanoose, Dubuque, Floyd, Monroe) above 14.0%. In 1990, all counties were below 7.3%. Ninety-six counties had lower unemployment rates in 1990 than they did in 1982. Rates increased very slightly in Cass and Tama when the two years were compared while Mills' was the same.

Note: Caution must be exercised in interpreting these numbers. They are based on estimates generated annually by the lowa Department of Employment Services 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.

Sales Subject to Sales Tax in Iowa's Counties: 1980-1990

Kenneth Stone, Iowa State University Willis Goudy, Iowa State University

The lowa Department of Revenue and Finance annually reports 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.

Sales Receipts Subject to Sales Tax

In 1980, more than \$15 billion in sales were reported on which sales taxes were collected (Table 1). By 1990, this figure had increased to more than \$20 billion. The increase of more than \$1 billion from 1989 to 1990 was the largest reported between 1980 and 1990, although those from 1986 to 1987 and from 1988 to 1989 were only slightly below \$1 billion. Minor decreases occurred between 1980-1981 and 1985-1986.

Sales varied greatly among lowa's counties. In 1990, for example, Polk had sales subject to tax of nearly \$4.4 billion, which was more than a fifth (21.4%) of all dollars subject to sales tax in the state. Three other counties (Black Hawk, \$1.0 billion; Linn, \$1.7 billion; Scott, \$1.5 billion) reported at least a billion dollars in sales. Dubuque, Johnson, Pottawattamie, and Woodbury were in the \$500-\$999 million category. More than half (55.5%) of all sales in the state were generated in these eight counties in 1990.

Sales totaled \$100-\$499 billion in 31 counties in 1990; they were \$50-\$99 billion in 32 counties and less than \$50 billion in the remaining 28. Three counties (Adams, Taylor, Van Buren) had receipts from sales of less than \$20 million in 1990.

When 1980 and 1990 are compared, 58 counties had sales that were greater at the end of the period than the beginning. The greatest increase was in Polk (+\$2.0 billion); Linn's \$628 million gain was the second highest. Another eight counties (Black Hawk, Cerro Gordo, Dubuque, Johnson, Pottawattamie, Scott, Story, Woodbury) reported at least \$100 million more in sales in 1990 than in 1980. Of the 41 counties that declined in sales, 24 dropped by less than \$10 million when 1980 and 1990 are compared. Only Kossuth (-\$25 million) was down by more than \$20 million in this period, although Clayton, Franklin, Pocahontas, and Sac declined by at least \$15 million when 1980 and 1990 are compared.

Estimated Gains and Losses in Sales Receipts Subject to Sales Tax

The volume of sales expected in a county can be estimated by relating population figures to the sales reported for tax purposes. 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 times the local population, however, then sales have been lost from that county to others. Because these calculations are based on population estimates for the years 1981 through 1989, caution must be exercised in interpreting them. The calculations for 1980 and 1990 use the population counts from the decennial censuses.

Table 1. Sales (in \$1,000s) Subject to Sales Tax in lowa's Counties, 1980-1990.

County	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	40683	40747	41626	42847	42818	42748	44944	48603	47299	45732	46122
Adams	19600	19775	20205	20149	18375	19139	20044	22426	21146	19711	20544
Allamakee	68683	68439	70415	68834	65524	66158	66812	67298	67098	61841	61787
Appanoose	66834	68316	66703	71046	63902	62429	63322	64160	62947	65866	65428
Audubon	28740	28457	29768	28980	30474	33449	349 00	37078	33906	33939	38407
Benton	85157	83198	82078	80411	76064	83023	84497	87937	867 07	87513	89725
Black Hawk	1005436	919850	854311	817100	786954	822513	811969	790325	807585	789589	772710
Boone	127000	117363	112314	106344	105799	108035	108428	103032	95100	98033	101264
Bremer	113444	109487	107662	103908	97679	104160	107199	108042	110078	108326	105713
Buchanan	92402	86481	84045	79745	76199	81744	81323	86940	80862	77594	81309
Buena Vista	133518	131593	131353	135676	120949	130724	135402	130199	123003	122209	127355
Butler	51979	53307	54099	54114	55095	56147	59521	63417	62111	58905	61055
Calhoun	46649	62064	72101	56649	47231	49059	53035	56395	55578	56799	59779
Carroll	160253	155544	151356	146098	132817	138373	145997	145810	135468	131918	138155
Cass	93991	92491	91466	91176	89983	99347	99477	100620	95004	97155	96427
Cedar	62519	62285	61762	66642	61130	64041	65441	75801	71742	71293	72972
Cerro Gordo	430451	410156	383790	374668	348247	346906	334994	324798	303631	292656	286525
Cherokee	76089	78360	75565	<i>7</i> 5319	75530	78129	81172	84826	77383	77344	79824
Chickasaw	55368	56622	57575	62371	55114	59103	61607	64650	65488	63330	67894
Clarke	45941	44587	43367	41530	40153	38561	39612	38831	41525	42492	40470
Clay	141888	138040	129794	128404	118862	130165	136207	136110	136788	137205	136717
Clayton	70078	69959	73354	72332	67642	72654	78598	81422	80203	80647	87199
Clinton	319160	315943	296565	282351	278499	275889	277727	274440	275239	269954	260690
Crawford	84819	83105	83294	83713	79188	81903	82604	83005	77920	78913	80950
Dallas	119478	115295	110024	111437	111368	123929	125069	120606	119091	117626	116938
Davis	30791	31157	30452	30529	30237	28688	28422	29812	30875	29798	29333
Decatur	24149	24661	24262	24037	24456	24871	25147	25550	26367	25971	24699
Delaware	74415	72488	80114	73093	6 9 811	73033	73519	76392	73610	72574	75055
Des Moines	340744	335079	317488	298971	282650	276396	266705	267579	260038	254610	252944
Dickinson	136452	120500	110234	101287	92059	94166	92911	86185	81572	79391	81664
Dubuque	668050	635384	612932	575734	548225	538324	528239	507296	499035	497984	496155
Emme t	73993	71807	67935	69253	61203	61893	67385	64645	67868	69272	67281
Fayette	114107	111766	111273	116063	112084	113015	117588	120125	121387	119314	122679
Floyd	89561	88797	84161	82582	79267	86301	88630	88136	88986	83999	85736
Fr an klin	50283	53962	56102	62215	52656	57200	57593	72654	66187	67370	68697
Fremont	30549	31566	31947	33648	32154	35844	34468	47046	32951	30393	28359
Gr eene	52089	51314	50701	51754	50061	53954	57158	57829	54525	56523	59423
Grundy	41951	43316	46217	49093	46414	52791	53636	58373	57640	55654	56226
Guthrie	45106	44577	41138	40133	38801	41808	43702	44011	41238	40488	43751
Hamilton	88007	86591	84391	81930	79313	83581	85720	87310	84114	83164	87686
Hancock	52951	55859	55545	56306	53960	57127	60703	62488	59728	60842	65778
lardin	114617	113606	116399	114209	114679	120061	125928	126560	123838	124053	128964
larrison	51358	50224	50925	56228	52951	54147	57513	57228	53888	57502	58310
lenry	117024	116599	112340	110256	97824	96785	93046	94096	87927	87928	89433
foward	43960	43769	46009	49438	44936	44870	48219	50810	50358	67784	49418
lumbol dt	60935	59766	59135	56735	54350	58218	60688	61498	62531	60815	623%
da	45565	45263	46455	45619	43127	42025	47134	47047			42423
Она	101882	97403	92812	91992	85967	88467	88903		41097	39781 95706	83459
lackson	85880	84788	83579	84608	82674	83106	84821	86181 94939	84776	85495 83475	82451
lasper	211708	189727	188372	182496		~ 100	U+02 I	84828	82866	82175	06471

Table 1. Sales (in \$1,000s) Subject to Sales Tax in Iowa's Counties, 1980-1990 (continued).

County	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Jefferson	94566	100159	94971	89634	84470	82374	77579	74411	72195	71759	71203
Johnson	705148	656271	597298	578282	525342	518157	497889	459338	415822	387711	366750
Jones	105949	108 <i>7</i> 51	102412	100147	91007	92454	89342	89620	88 015	84458	91639
Keokuk	35445	35633	37943	39859	39090	40714	40782	45875	45872	45019	48967
Kossuth	103791	98526	99967	108226	106197	113328	121173	123847	127760	121319	128373
Lee	251736	245513	239793	241840	228778	230595	222663	223988	218821	215502	209094
Linn	1737351	1631076	1516450	1439992	1354352	1334752	1246837	1169591	1132107	1106281	1109708
Louisa	29806	30781	29888	31010	3338 2	33083	32968	3 6593	35565	3 6072	34548
Lucas	55286	59285	56229	50918	38341	39960	39997	39632	41618	40424	39551
Lyan	40657	40648	40907	41952	36869	39205	41662	44469	41085	42977	48149
Madison	46773	42905	41419	39102	34052	34359	36101	38461	37487	38359	39185
Mahaska	133378	130312	130564	128008	122890	123501	118403	119015	111827	111710	117659
Marion	156081	153483	148284	141318	134534	131088	126509	122319	119283	114955	118698
Marshall	280758	268401	251609	234886	233698	240047	232617	227858	218573	220753	210844
Mills	40956	39590	39210	41294	38997	39816	40204	40748	38588	37664	37416
Mitchell	47986	46822	49373	49318	44490	47349	49949	51808	50221	49078	52790
Monona	44440	45376	44972	47540	46454	45692	50602	50872	49872	51069	56761
Monroe	35468	33846	32752	32884	31937	31983	32531	30906	31496	30683	31009
Montgomery	86810	85232	79231	73427	68237	71589	72701	67219	67734	67604	67045
Muscatine	261989	249680	233345	220120	218895	230943	225050	216307	212491	197822	186131
o'Brien	86120	88458	90297	85916	74655	77701	81619	83799	80234	77940	83884
	30639	28903	28885	28410	27595	29411	33807	34031	32469	33167	35583
Osceola Doce	91696	93086	90483	92594	88822	93216	94414	94741	92808	95825	100857
Page Dala Alta			40860	43389	41617	43766	48570	51476	49188	49792	51980
Palo Alto	41576	41035								91143	96470
Plymouth	112889	109746	107755	105145	97057	99411	99433	97457	92417		
Pocahontas	36087	36297	37130	36999	40470	47066	48838	51013	48543	49264	51667
Polk	4358547	4108270	3765168	3513382	3237590	3070912	2906398	2608613	2466204	2376725	2370263
Pottawattamie	516367	497390	471803	444704	405000	413236	404873	384239	355209	350131	331083
Poweshiek	151782	149480	128647	124048	116806	116584	111770	109707	102023	91512	91625
Ringgold -	20106	20099	19984	. 20260	19643	19047	19758	21106	22428	21279	23230
Sac	50086	49423	48747	49668	47535	52836	55206	61277	57532	59094	65781
Scott	1481015	1294251	1252558	1188962	1158113	1155406	1078089	1019769	1009623	975294	947266
Shelby	64635	65532	64526	65588	63798	64640	67773	71354	66797	80666	69731
Sioux	151036	139922	136838	133378	124423	132152	139892	140754	134004	131 <i>7</i> 72	144055
Story	478348	450431	428724	414177	394299	382423	370258	355057	33 5070	323558	311719
Tame	73588	72905	71343	79626	76471	75440	80291	82724	82449	81227	86014
Taylor	17669	17497	17964	19563	18726	19580	21649	23229	23800	23175	25781
Union	75755	71134	71173	70111	68016	66582	67832	68050	65517	64792	67752
Van Buren	18889	16665	16448	16265	17211	18128	17141	17923	19060	21068	22356
Wapello	247915	215736	201028	197748	200234	202055	193091	188781	179792	185458	178592
Harren	103684	98623	92747	88740	86646	86648	84468	81136	79895	76172	78876
lash ington	104245	100971	105772	103420	98898	103264	101910	107640	101395	99450	103438
⊌ayne	21005	20540	20307	21015	21198	20856	21075	23491	25248	24556	27062
<i>l</i> ebster	377872	317516	298096	306071	293803	304707	301798	297795	288763	290808	298213
Vi nnebag o	60232	59375	56784	57722	54815	57501	59349	56280	54153	54685	56870
linnesh i ek	116184	110037	107402	102934	91329	91095	89734	91174	89851	85230	83811
loodbury	847458	810688	763298	725923	691962	697824	684745	660299	632564	611872	594253
Horth	21090	21965	22302	27722	31415	24061	26370	29524	27630	30134	33565
Je i aka	73896	71514	72469	72790	73380	79513	86141	89211	91243	85481	87188
dright	13070	, , , , , ,									

Table 2. Estimated Dollars of Sales (in \$1,000s) Gained or Lost (-) in Iowa's Counties, 1980-1990.

County	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	-11108	-7535	-3592	-2361	-1223	-1968	1546	2377	-2350	-1802	-6079
Adams	-9064	-7506	-5427	-5793	-7090	-5617	-5506	-2799	-3843	-5530	-4136
Allamakee	1125	3951	8600	6832	4399	5825	9616	2808	-1709	-5982	-4552
Appanoose	-8945	-4812	-4067	3877	-3158	-5274	-4196	-6746	-8933	-1815	-4592
Audubon	-8555	-6837	-5512	-5892	-4165	18	1333	-2254	-10150	-10296	-3728
Benton	-60821	-54112	-48494	-50479	-51394	-44151	-42228	-40454	-40407	-40239	-36745
Black Hawk	-63815	-86508	-82094	-82333	-65060	-64901	-74898	-63949	10952	12703	34179
Boone	-60167	-59990	-57998	-58651	-50882	-50501	-50496	-44392	-44480	-37347	-34183
Bremer	-68171	-66633	-60553	-50283	-51024	-42828	-38049	-31636	-23102	-21645	-24901
Buchanan	-37047	-37395	-36635	-40887	-37172	-32916	-34195	-28613	-33748	-35909	-32356
Buena Vista	7913	14222	14980	21467	13179	25700	30111	17075	2506	5510	15017
Butler	-39317	-34149	-31384	-29579	-26979	-26792	-22546	-26462	-32934	-34516	- 39203
Calhoun	-28816	-9470	4714	-5336	-14621	- 13364	-11062	-11206	-14743	- 12103	- 10245
Carroll	30175	30741	28545	25981	15029	20625	30448	28655	14742	16108	26665
Cass	-12017	-10408	-6292	670	-371	10118	13707	7407	-4122	-2800	-2436
Cedar	-50846	-44776	-43323	-36774	-38537	-35822	-33909	-30915	-37442	-38253	-34579
Cerro Gordo	74957	74680	59440	56153	47988	44298	36782	39603	32128	25961	27468
Cherokee	- 18209	-11305	-13454	-6878	-2784	-982	1345	833	-8411	-7048	2551
Chickasaw	-23201	-17959	-17796	-7705	-12051	-8889	-5569	-6833	-11072	-8498	-3705
Clarke	-3036	- 283	862	2216	3685	1465	2702	-3188	-4276	-3197	465
Clay	21721	21309	18080	14369	5038	15085	24338	16437	6356	6922	18277
Clayton	-46102	-41754	-31793	-24378	-26409	-20071	-12153	-14048	- 15828	-14459	-4991
Clinton	-60500	-46852	-56889	-55023	-45949	-42348	-40069	-48102	-37836	-32853	-32678
Crawford	-11847	-11524	-6688	-6475	-8238	-5678	-2314	-4187	-7590	-4681	-7216
Dailes	-100638	-87396	-73839	-71448	-60840	-48983	-51022	-58333	-55046	-48781	-58880
Davis	- 17054	- 15331	- 13246	-9037	-7996	-9933	-8683	-7563	-6934	-7640	- 13749
Decatur	-22185	-20291	- 19377	-16368	- 13235	-13377	-12479	-8729	-5432	-4960	-7376
Delaware	-37041	-33808	-21271	-23708	-21287	-16442	-14081	-14741	-21571	-22995	-20335
Des Moines	-8434	5478	6785	-5312	491	-8487	-7552	14997	23563	19036	23519
Dickinson	24417	15356	5832	-981	-10169	-9297	-5803	-5939	-4672	-1088	-6660
Dubuque	66502	53542	60371	55025	52973	27031	42024	-2453	-13211	-7119	29251
Emmet	5891	5324	3915	3704	-5300	-4059	4392	756	7576	9745	12017
Fayette	-24561	- 19879	- 18377	-6732	-6345	-5488	483	3714	8287	9250	14064
Floyd	-22462	- 16092	- 16634	- 12855	-13617	-7765	-282	-12088	- 17874	-23691	- 20626
Fr a nkl in	-28459	-23194	-21876	-11106	-19150	-15492	- 14530	-5229	-3930	-2342	-7854
Fremont	-31114	-27300	-22442	-18622	-17421	-14211	-11311	- 12850	-17546	-17881	-17668
Greene	-22424	-21056	- 19792	-13671	-15453	-12448	-6422	-10571	- 19100	-17367	-20163
Grundy	-57842	-51127	-45309	-45280	-41900	-35632	-34456	-25568	-24481		- 25908
Guthrie	-20197	-17924	-17960	-15708	-14017	-11648	-9643	-11310	-16294	-25061 -15601	- 15105
Hamilton	-25846	-21468	-18166	-20369	-14864	-13232	-7336	-3671		-15691 -3534	-23
Hancock	-39820	-30564	-29988	-21888	-21239	-17826	-13459		-54 73	-2526	
Hardin	-16013	-14919	-9355	-363	4209	12796	16813	-10228	-12683 4775	-12155	-7353 12000
Harrison	-33222	-29344	-23865	- 16894	-17750	-17053	-14163	12885	6375	8993	12900
Henry	- 16938	-12612	-5092	-1789	-6018	-17053 -8259		-17283 -4580	-25181	-21613	-20816
Howard	-15518	-12685	-7143	-5684	-6670	-6128	-8785 -1741	-6589 -7611	-11679	- 12824	- 13039
Humbol dt	-15472	-14388	-14253	-10808	-11441		-1761 -5474	-4611 -7038	-9691	-8576	-8724 2703
Ida	-5704	-3810	-2530	-607	626	-6791 333	-5676 5050	-7928 5020	-8127	-8779	-3703
lous	-2323	-3206	-3066	2765		333	5058	-5020	-21321	- 19876	- 20239
Jackson	-38473	-35623	-35173	-32122	233	2469	3992	10415	14397	19393	16980
Jasper	-40181	-54262	-32893		-25734 -29744	-26556	-22737	-24273	-24204	- 19904	- 23288
		7-LUE	JE073	-38277	-28461	-25339	-31647	-31455	-35365	-35075	-31408

Table 2. Estimated Dollars of Sales (in \$1,000s) Gained or Lost (-) in Iowa's Counties, 1980-1990 (continued).

Jefferson Johnson	- 29353										
		- 19832	- 16097	-11420	-10238	-7241	-5981	-7669	-9885	- 10745	-20521
-	-1978	-8415	-30355	-34785	-48312	-58259	-81363	-34886	-4790	- 10277	- 10724
jones	-11599	-3555	-6361	-8384	-13478	-11752	-6980	-7426	-10081	-9459	-2402
(eokuk	-35699	-34246	-27507	-26655	-21227	- 20454	- 20653	- 16981	- 18467	- 19161	- 13468
cossuth	- 12388	- 12655	-7390	2152	2503	10068	19269	7035	654	- 1551	4260
.ee	-48688	-40414	-35518	-27203	-27991	-27216	- 20625	-2597	6552	11433	328
inn	261515	249881	207161	214058	197182	174019	90469	102351	137208	145753	188414
ouisa	-53518	-50196	-44073	-43842	-36786	-38159	-40582	-29791	- 26897	-22138	- 24582
ucas	-2259	3315	3570	-3679	-12156	-11351	-12014	- 17046	- 19585	-17908	-2441
yon	- 15912	- 13623	-11652	-9610	-14604	-11902	- 10030	- 13 <i>7</i> 57	-21667	- 17824	-750
ladi son	-22123	-21551	-20515	-22573	-23713	-25329	-24298	-20435	-21254	- 20628	-27746
lahaska	653	3007	6224	4753	3668	4047	3303	6643	2854	8292	1097
larion	-55316	-49164	-35543	-40206	-34042	-38538	-34717	-40209	-42549	- 37051	-43334
arshall	-35734	-38322	-46926	-48810	-32310	-30439	-40407	- 19004	-5 <i>7</i> 51	4113	-1660
iills	-39000	-37650	-37343	-3614 0	-35050	-35672	-28615	-33680	-39793	-35768	-3965
litchell	-22620	-20128	-15457	-11004	- 14006	-10699	-9381	-5050	-7413	-9155	-2718
lonona	-13192	-9094	-6034	-5049	-2521	-3902	1509	-8206	- 17213	- 13709	- 10018
lonroe	-26944	-26270	-23566	- 19138	- 15558	- 13519	-11735	-12990	-9085	-9426	-8550
lontgomery	4004	5941	-1143	-7545	-11678	-3738	-1279	-9348	- 12888	-12199	- 12038
uscatine	-79000	-75366	-69739	-61389	-48787	- 38546	-38755	- 28423	- 10739	- 18067	-31456
'Brien	-6515	-870	4950	3920	-4369	-2062	2098	814	-4298	-3262	628
sceola	-13666	-14280	-12017	-11330	-9119	-7704	-4298	-4786	-6171	-3676	119
age	-30682	-23607	-24040	- 15031	-14015	-8267	-5459	-4449	-4426	1064	-6539
alo Alto	-24144	-22572	-21321	- 19439	- 19277	- 16378	- 12164	-14529	-20888	- 15764	- 10828
lymouth	-37151	-20411	-22541	-20642	-20942	-19813	-22746	-26072	-31895	-25166	- 13394
ocahontas -	-32004	-27915	-25568	-25303	-17653	-10268	-5710	-4328	-9169	-7395	-7461
olk	1463008	1378574	1218773	1112610	988282	836600	746799	592820	590533	553431	59216
ottawattamie	-154364	-134710	-118837	-99233	-111932	-104772	-95540	-91015	-93175	-84547	-93512
oweshiek	21353	24135	11560	10108	10436	8785	7444	-3786	-22828	- 27264	-3135
inggold	-5798	-3982	-3745	-4812	-3393	-4372	-3448	-5557	-6653	-7826	-821
iac	-17169	- 16314	-14266	- 15365	- 16536	-9438	-7458	-7747	- 16163	- 13837	- 1088
icott		29924	64254	20843	51012	46785	37048	-13779	43022	39910	3905
ihelby	151188	- 18511	- 15953	-8661	-8867	-8856	-6665	178	-4875	-4407	-1639
-	-21916				-14801	-4564	4524	697	-6132	-6322	548
ioux	- 18587	- 20595 - 2073	-21673 97014	- 12953 - 74526	-68872	-74909	-90782	-75720	-69901	-58268	-6664
tory ame	-73009 74503	-74727 27427	-83916 2055/		- 19427	- 18626	-11613	- 17500	-23779	-21488	- 1913
aylor	-31502	-27627	-29554 -18304	-20383 -14279	- 14603	-13413	-11840	-11974	- 13035	- 13141	-1177
hion	-22320	-21646	-18296	-14279	-5105	-7498	-5404	-851	286	1772	181
an Buren	-13213	-14669	-1821	-8409		- 14426	- 15219	-16621	- 17719	- 15667	- 1765
	-21851	- 22036	-21546	- 19209	- 15734 - 17572	-18279	- 14352	-20511	- 18825	- 15184	- 1954
lapello	3088	-24999	-22760	-28293	-17572			-118114	-90807	-87589	-8393
arren	-171936	-162406	-150340	-148977	-132858 13777	-132063 -7747	-131180 -2168	-110114	-6185	-7372	-1113
lashington	-24337	-21625	-9928	-14110	-12477	-7747 0904	-2168				-1591
ayne	- 13072	- 12379	-10711	-11371	-9047	-9806 43388	-9939 44727	-9706 50/40	-9727 42074	-9332 40550	
lebster	109207	60458	52763	57442	54399	62288	64323	50460	42076	49559	6904
innebago	-36062	-32091	-35256	-30201	-26768	-23502	-15746	-8785	-5015	-4117	-702
linneshiek	-14214	-12841	-9807	-13268	-19615	-21232	-30816	-13795	-17524	-18462	-2384
loodbury	165565	172925	164601	131966	128183	129940	110024	98624	94865	89440	5676
lorth Iright	-38672	-32163	-29523	-24624 -44484	- 17016 - 38 657	-23737 -28460	- 19295 - 10222	- 16274 - 11871	-20027 -15026	- 15494 - 20596	- 17 3 8 - 17 8 0

Sales above what would be expected from the state average occurred in 17 counties in 1990 (Table 2). These counties are serving residents substantially in excess of those living within their own boundaries. These additional sales ranged from less than \$10 million in six counties to nearly \$1.5 billion in Polk. Four other counties (Linn, \$262 million; Scott, \$151 million; Webster, \$109 million; Woodbury, \$166 million) had figures at least \$100 million above those expected when population is factored into the calculations.

The remaining 82 counties had sales that were lower than their 1990 population bases would suggest. Eleven lost sales of less than \$10 million, 56 were \$10-\$49 million lower than expected, and 15 were down at least \$50 million in expected sales. Only three (Dallas, -\$101 million; Pottawattamie, -\$154 million; Warren, -\$172 million) had sales at least \$100 million less than expected; all are near major metropolitan centers that most likely captured much of that leakage.

Business Establishments, Employees, and Annual Payrolls in Iowa's Counties: 1975-1989

Willis Goudy, Iowa State University Martin Hansen, Iowa State University Julia Nieves, Iowa State University Kimberley Van Dalen, Iowa State University

Each year, the U.S. Department of Commerce publishes reports on business patterns for every state. Some state-level tabulations are included, but the majority of the pages in these reports examine county businesses. Data are reported for 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. Generally, self-employment and employment in government, railroad positions covered jointly by social security and railroad retirement programs, domestic service, and agricultural production are excluded.

The number of establishments, number of employees, and annual payroll are reported by county. An establishment is a single physical location where business is conducted or where services or industrial operations are performed. Establishment counts are based on a determination of active status as of anytime during the year. The mid-March pay period is used to count employees; this information is from reports to the U.S. Treasury, surveys conducted by the U.S. Bureau of the Census, or from estimates where it was incompletely or improperly reported. Total annual payroll is the combined amount of wages paid, tips reported and other compensation (salaries, vacation allowances, bonuses, commissions, 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

lowa had 66,904 business establishments in 1980, which was 2,726 (or 4.2%) more than the number counted in 1975 (Table 1). This increase continued through the first half of the 1980s, when 6,304 businesses were added. More recent figures indicate a slight decline, however; the total was down 976 establishments from 1985 to 1989 for a loss of 1.3%. The first gain since 1985 occurred from 1987 to 1988 and it continued to 1989.

Changes in the numbers of establishments varied greatly among Iowa's counties. Eight (Black Hawk, Des Moines, Dubuque, Johnson, Linn, Polk, Scott, Story) gained at least 100 businesses from 1975 to 1980; they were among the 55 counties that had increases. Three counties (Adair, Keokuk, Ringgold) had the same number in 1975 and 1980 and the remaining 41 had fewer businesses in 1980 than in 1975. Declines of more than 20 were reported in five counties (Appanoose, Calhoun, Cass, Fremont, Monona).

From 1980 to 1985, 78 counties had gains in the number of business establishments. Fourteen had at least 100 more businesses at the end of this period, while only one county (Sac) dropped by more than 20. The general trend of increasing businesses in the majority of counties slowed abruptly from 1985 to 1989, when only 21 counties reported gains. Declines of at least 20 business occurred in 42 counties, with 10 (Black Hawk, Cass, Cerro Gordo, Jones, Kossuth, Lee, Marshall, Pocahontas, Webster, Woodbury) having decreases greater than 50. Black Hawk was the only county dropping by at least 100. Increases of at least 20 business establishments occurred in nine counties (Dickinson, Jefferson, Johnson, Linn, Polk, Pottawattamie, Scott, Sioux, Warren). Polk's addition of 498 establishments was the only one greater than 100; Johnson, Linn, Pottawattamie, and Scott gained at least 50 from 1985 to 1989.

Number of Employees

In 1989, nearly 979,000 people were employed in businesses in the state (Table 1). This was the second consecutive year of increases surpassing 45,000. Relatively great growth also occurred from 1975 to 1980, when the number of employees increased by about 143,000 or 19%.

Among lowa's counties, 85 had increases from 1985 to 1989, with 28 gaining at least 1,000 employees, led by a jump of nearly 28,900 in Polk. Johnson and Linn gained more than 10,000 Declines occurred in 14 counties, although none dropped by more than 500 employees. From 1980 through 1985, only 20 counties had increases in the number of employees; Polk led with a gain of 8,360 employees, just as it had the greatest increase from 1975 to 1980 and from 1985 to 1989. Fifteen counties declined by at least 1,000 employees from 1980 to 1985; Black Hawk's drop of more than 14,100 was the only one above 10,000.

The number of employees in 1980 was higher than that in 1975 in all but eight lowa counties (Adams, Floyd, Franklin, Fremont, Grundy, Pocahontas, Sac, Winnebago). The decline was greatest in Floyd, which had about 1,800 fewer employees in 1980 than in 1975; this was the only county with a drop greater than 1,000. Increases in the remaining 81 counties ranged from less than 500 in 31 to more than 1,000 in 34 others. Gains were above 5,000 in six counties (Black Hawk, Dubuque, Linn, Polk, Scott, Story).

Relatively great changes in the number of employees are evident when the 1975-1980 and 1980-1985 periods are compared. Black Hawk, Dubuque, Linn, and Scott counties, for example, were among those with the most positive change from 1975 to 1980; but they were among those with the greatest declines from 1980 to 1985. Winnebago is an example of a county where the trend was in the opposite direction; the number of employees was lower in 1980 than in 1975, but it was much higher in 1985 than in 1980.

Annual Payroll

The annual payroll in lowa's business establishments continued to climb throughout the period studied (Table 1). Indeed, it more than doubled (+\$10.6 billion, +157%) from 1975 (\$6.8 billion) to 1989 (\$17.4 billion), although the effects of inflation have not been included in these figures. While the number of employees increased by 72,000 (8.0%), the payroll jumped by nearly \$6 billion (52.3%) from 1980 to 1989.

These upward trends in lowa's total annual payroll were reflected in most counties as well. When 1975 and 1980 are compared, all but two counties (Floyd, Fremont) had higher payrolls at the end of the period than at the beginning. Increases were greater than \$100 million in eight counties (Black Hawk, Des Moines, Dubuque, Linn, Muscatine, Polk, Scott, Woodbury).

Of the 85 counties with higher payrolls in 1985 than in 1980, three (Johnson, Linn, Polk) increased by at least \$100 million, with Polk's jump of \$757 million by far the greatest. Four other counties (Muscatine, Pottawattamie, Scott, Woodbury) had payrolls that were at least \$50 million higher in 1985 than in 1980. A total of 14 counties had lower payrolls in 1985 than in 1980, led by a decline of more than \$136 million in Black Hawk. Emmet (-\$22 million), Floyd (-\$21 million), and Webster (-\$16 million) were the only other countles that dropped by at least \$10 million.

Although the total payroll increased in 97 counties, it declined in two from 1985 to 1989. Neither of the declines (Adams, Monroe) topped \$2 million. Increases from 1985 to 1989 were greater than \$25 million in 30 counties, with the gain in Polk (+\$1 billion) nearly doubling the increase in Linn (+\$509 million), which had the second largest gain. Some short-term changes have been relatively dramatic; Black Hawk, for example, was down \$59 million in annual payroll between 1985 and 1986, but it increased this factor by nearly \$85 million between 1986 and 1987, \$115 million from 1987 to 1988, and \$64 million between 1988 and 1989.

Table 1. Number of Establishments, Number of Employees, and Annual Payroll for Businesses in Iowa Counties, 1975-1989.

		Nu	mber o	f Esta	blishm	ents			_	Number	of Em	ployees					Annual	Payroll (in \$1,000:	3)	
County	1989	1988	1987	1986	1985	1980	1975	1989	1988	1987	1986	1985	1980	1975	1989	1988	1987	1986	1985	1980	1975
Adair	225	226	225	226	244	230	230	1825	1862	1717	1593	1590	1531	1335	26036	26686	23304	20866	18918	15174	9541
Adams	117	122	118	123	125	117	112	1022	1016	1309	1241	1325	1421	1835	13744	13407	16692	16039	15616	13458	11936
Allamakee	401	396	391	394	392	393	385	3632	3371	3393	3281	2980	3093	2465	46218	39848	39402	39272	34648	26760	17388
Appanoose	326	318	305	309	317	320	344	2895	2908	2702	2599	2518	3048	3032	42965	41869	38271	36798	34504	31398	23652
Audubon	204	197	195	205	221	227	239	1168	1087	1123	1106	1223	1431	1144	13824	12875	11815	10869	11281	11839	7687
Benton	531	530	539	532	559	501	491	3351	3323	3059	3109	2984	3570	3073	47340	46551	42351	38742	36788	36323	22573
Black Hawk	2976	2950	2956	2999	3094	2903	2665	45088	42766	40117	39187	41371	55515	48390	931286	867362	752675	668031	727039	863624	494660
Boone	504	521	531	543	554	502	520	5943	4680	4572	4529	4777	4934	4406	99321	68421	62450	68239	62651	50665	32460
Bremer	564	567	564	580	586	537	495	7946	6767	5882	6031	5891	5821	5025	139673	112161	97510	93285	91621	65188	41718
Buchanan	460	446	434	430	475	439	414	3693	3266	3028	2772	2978	3063	2562	57275	44834	39315	35090	34082	32463	19551
Buena Vista	609	624	623	619	632	601	563	6513	6394	6392	6229	6267	6042	3917	94194	93041	84419	78776	74412	64704	29573
Butler	362	372	362	366	403	396	364	1942	1903	1936	1704	1887	2331	1667	25607	23465	21658	18279	19429	20993	12692
Calhoun	329	331	339	327	346	341	372	2122	2042	2026	1899	1938	2272	1962	28370	25896	24724	23807	22373	21135	12768
Carroll	734	718	727	731	743	679	662	7132	7000	6564	6667	6074	7162	5170	102792	99249	97095	93166	85146	74621	39759
Cass	482	488	489	501	539	518	540	4925	4782	4553	4161	4188	4506	3754	69545	68146	60739	54224	52208	40911	26162
Cedar	435	438	437	455	454	410	426	3170	2940	2711	2575	2661	2718	2369	40268	37644	34078	28322	29770	27517	16389
Cerro Gordo	1415	1405	1434	1460	1469	1394	1316	18923	17725	16848	16519	16838	17290	14899	301522	270657	250277	233740	231054	197003	123300
Cherokee	374	380	389	399	400	382	370	3878	3430	3689	3654	3 675	3919	3492	62451	51289	58288	49175	50292	47439	28956
Chickasaw	369	374	357	359	377	364	362	3369	3286	3066	2962	3149	3437	2937	52645	49511	45439	43884	44095	37281	22831
Clarke	208	210	208	199	211	188	184	2757	2188	2197	1881	1918	1948	1250	37227	33431	31265	27083	24015	20675	8061
Clay	605	595	605	595	623	610	535	6134	5728	5207	5262	5467	6671	4980	89504	83257	<i>7</i> 3711	68394	68533	73446	41487
Clayton	508	509	504	493	523	452	460	4275	4002	3829	3324	3357	3508	2991	58724	56107	49533	41957	38374	3 <i>7</i> 311	22753
Clinton	1215	1190	1193	1211	1244	1125	1139	16596	15864	15003	14472	15301	17997	16209	289800	269095	233156	217812	235620	232129	148380
Crawford	476	477	456	477	493	467	430	4589	4951	4909	4774	5033	5034	3106	74773	75211	76026	72868	<i>7</i> 2622	62404	23237
Dallas	597	592	591	617	616	580	584	4902	5156	4887	4686	5017	4977	4964	71459	80048	73972	65791	65306	60744	41698
Davis	166	179	175	174	184	168	164	1222	1147	1059	1012	1014	1142	914	15800	15400	13261	12382	12289	10795	6211
Decatur	173	175	163	164	178	185	189	1995	1897	2122	2557	2263	2110	1538	19646	18361	18983	23864	19083	13996	9728
Delaware	410	398	400	411	417	417	366	2857	2797	2465	2659	2525	3385	2248	46346	44466	36869	35814	33058	33151	17276
Des Moines	1167	1181	1189	1193	1208	1090	983	19095	18214	17327	16420	16035	18853	16845	350848	331216	314558	288081	271525	256139	153840
Dickinson	598	561	551	551	550	407	408	5098	4340	4282	3970	3802	36 9 7	3136	78960	62793	58748	49489	50902	36617	22915
Dubuque	2273	2255	2217	2239	2279	2035	1851	40917	40225	36620	37126	36159	42224	35270	742273	725479	672956	611739	625528	587737	360465
Emmet	281	280	288	295	318	319	330	2620	2603	2675	2502	2765	3943	3259	36629	34058	32664	30734	30105	52111	29052
Fayette	634	626	608	616	659	619	622	5246	4870	4365	4402	4532	5000	4275	74773	67784	57493	55509	56315	48576	29335

Table 1. Number of Establishments, Number of Employees, and Annual Payroll for Businesses in lowa Counties, 1975-1989 (continued).

		Nu	mber o	f Esta	blishm	ents				Numbe	r of Em	ployees					Annual	Payroll (in \$1,000:	s)	
County	1989	1968	1987	1986	1985	1980	1975	1989	1988	1987	1986	1985	1980	1975	1989	1988	1987	1986	1985	1980	1975
Floyd	442	440	441	448	466	445	418	4878	4504	4213	4002	3811	5330	7145	72571	68176	59351	56137	50703	71805	71865
Franklin	313	317	328	330	348	353	373	2317	2339	2278	2337	2646	3002	3 050	37090	34868	33859	34962	35297	34971	22724
Fremont	185	177	179	196	199	184	210	1184	1183	1239	1175	1178	1207	2001	16381	13962	13821	13655	13792	12143	13409
Greene	287	290	294	303	322	291	293	2153	2137	2075	1889	2044	2345	1707	2 7 55 3	27591	26249	23782	24001	23250	13085
Grundy	307	313	323	321	349	306	325	2052	2076	1937	2003	2147	2196	2222	28308	28702	26514	26093	25993	22176	16187
Guthrie	236	234	257	262	272	266	263	1671	1650	1609	1551	1464	1619	1217	19313	18921	17537	15208	14772	12167	7446
Hamilton	428	445	441	449	472	439	450	6308	5694	5352	4840	4771	4823	3743	94489	87423	79960	77261	61611	47890	27277
Hancock	335	319	331	342	356	338	352	2864	2838	2609	2680	2721	2796	2059	44950	43395	3 6525	35693	35299	28936	14918
Hardin	651	656	630	647	670	641	652	5148	5077	5332	5157	4992	5734	4604	71781	69444	72328	72020	69187	62891	36293
Harrison	335	338	325	324	332	320	327	2318	2169	2124	1927	1995	2215	1816	27241	27203	24947	23285	21993	20125	11549
Henry	482	473	470	436	464	481	454	8456	7160	6707	6065	5914	5216	3751	129549	116217	107028	90537	78681	53455	30572
Howard	246	241	248	263	271	283	284	1751	1736	1842	1730	1652	2013	1516	22715	23545	21662	21690	20576	18203	9793
Humbol dt	318	314	311	318	328	330	328	2574	2407	2225	2321	2376	2435	2266	37033	34576	31470	29303	28742	26829	17696
[da	246	242	240	242	242	236	256	2490	2443	2120	1970	1948	1927	1608	38662	38972	33458	30397	27992	19579	11557
lous	407	407	405	422	445	389	374	6739	5972	6178	5441	5822	6219	5579	108689	104635	90786	81153	81919	71314	45313
Jackson	489	485	501	511	511	463	464	3655	3554	3365	3277	3244	3843	3203	42285	40517	39504	35068	34184	33596	20276
Jasper	752	747	754	781	777	718	696	9861	10645	9969	9521	9754	10672	9455	195889	202970	192935	169005	172220	142043	94808
Jefferson	525	515	535	525	482	343	335	6236	5797	5162	5399	4647	4780	3744	103515	93185	77075	72653	63863	51082	27639
Johnson	2004	1997	1984	1945	1953	1499	1312	34883	25941	24398	23602	22439	19287	15022	564413	38 52 99	360928	342595	309862	205248	112115
Jones	431	443	441	472	497	440	450	3262	3245	3123	3281	3506	3646	3091	45380	43772	42071	40459	40094	35808	20966
Keokuk	280	277	284	289	297	299	299	1776	1587	1766	1636	1458	1852	1551	23619	21866	22232	19959	17345	17208	9466
Kossuth	531	526	526	542	582	566	539	4634	4581	4481	4268	4592	4911	3592	78329	66638	61939	57410	60527	51736	30520
Lee	1003	1022	1032	1052	1068	973	944	13398	12820	12482	12994	13302	15916	12041	255235	240114	219692	227999	226607	205857	114387
Linn	4437	4411	4348	4343	4318	3757	3258	84017	78591	76662	73309	71172	80670	64651	1835284	1669391	1511187	1410199	1325977	1148551	655800
Louisa	225	224	226	216	231	208	207	2720	2654	1974	1245	1249	1749	1455	38241	38442	27393	17716	13688	19046	11158
Lucas	203	192	189	189	202	213	217	2617	2433	2416	2215	2407	2287	1988	43906	42049	43305	40048	35041	27476	16166
Lyon	288	283	288	282	294	269	279	1703	1650	1598	1492	1544	1796	1427	22336	21133	18645	17419	17148	17205	9408
Yadi son	273	286	276	274	274	243	235	1827	1831	1746	1666	1643	1777	1477	22284	21675	20051	19183	17254	16468	9306
lahaska	553	551	558	545	572	527	528	5358	5274	4958	4746	4403	5347	4915	72868	70221	63374	61031	55093	49095	34134
tarion	669	653	641	655	677	599	582	11634	9914	9429	9039	8886	8574	6228	212493	186520	172293	148628	144951	102243	53551
tarshall	931	946	951	960	988	930	907	13466	12978	12731	13039	13198	14726	13585	268722	254205	239401	239424	234490	207737	135460
tills	225	223	218	223	238	256	235	3006	1719	1686	1618	1964	2110	1650	49576	19693	19123	17943	22981	22716	11657
li tchell	320	326	314	312	308	298	310	2290	2153	2162	2071	1920	1952	1561	29271	28411	25835	24161	22360	18684	10535

Table 1. Number of Establishments, Number of Employees, and Annual Payroll for Businesses in Iowa Counties, 1975-1989 (continued).

		Nu	mber o	f Esta	bl i shm	ents				Numbe	r of Em	ployees					Annual	Payroll (in \$1,000	s)	
County	1989	1988	1987	1986	1985	1980	1975	1989	1988	1987	1986	1985	1980	1975	1989	1988	1987	1986	1985	1980	1975
Monona	289	285	291	291	296	292	323	2119	1905	1920	1854	1932	1970	1567	26416	23518	22435	20822	20833	16823	10522
Monroe	190	180	179	179	190	179	176	1247	1244	1333	1192	1231	1786	1441	14819	15469	16040	14525	14846	19307	10868
Montgomery	330	322	321	341	368	357	347	3998	3656	3524	3385	3698	4010	3252	58860	52529	50523	46845	47456	40180	23267
Muscatine	952	945	976	993	992	894	871	16869	16538	15925	16330	15633	15956	13413	368785	352316	327587	317417	299711	240526	130557
O'Brien	501	519	510	524	530	520	514	4614	4529	4082	3816	3908	4112	3139	56499	53840	47527	43527	41668	35886	20392
Osceola	197	199	199	196	207	208	199	1566	1385	1273	1221	1242	1480	1384	20722	19313	17321	15088	14537	14124	9436
Page	524	496	504	521	550	505	510	5485	50 79	5163	4954	5243	5222	3843	81194	73325	74808	68149	65559	54078	24921
Palo Alto	308	315	308	316	317	290	304	2088	1923	1898	1803	1911	2264	1745	24063	22473	21099	19527	19720	20124	10999
Plymouth	607	617	633	617	595	568	567	6006	5624	5716	5270	5127	5458	4012	100102	89934	84510	76831	68593	569 38	29906
Pocahontas	29 2	299	309	359	365	315	323	2206	2143	2013	2385	2256	2183	2370	32896	28329	27585	25829	26136	21134	15798
Polk	9841	9638	9583	9403	9343	7946	7263	191434	184627	171945	166886	162538	154178	130788	3897767	3673450	3335786	3089390	2893922	2137263	1289343
Pottawattamie	1758	1758	1776	1753	1708	1513	1470	21277	21601	20629	18303	17783	18057	16053	325738	317765	305655	266205	249345	191875	119993
Poweshiek	518	528	524	542	506	483	455	7857	6913	6339	5916	5772	5718	4665	134570	129865	112442	101764	93151	62559	37336
Ringgold	132	128	124	127	133	139	139	718	759	719	735	771	959	747	9120	8789	7603	7371	7080	7287	3781
Sac .	362	362	382	382	400	423	421	2366	2104	2098	1979	2092	2831	3000	25872	24488	22016	21022	21278	29218	23162
Scott	3954	3943	3903	3793	3854	3332	2989	60918	58830	57854	56496	56350	61785	50486	1214937	1175716	1113791	1060495	1032208	954959	512614
Shelby	384	388	381	389	387	362	370	3507	3261	3216	3200	2992	3031	2729	42397	41738	38264	37170	34619	28425	17590
Sioux	858	801	791	790	809	813	749	10736	9810	8762	8623	8662	8546	5922	137562	122377	108767	101789	101495	78015	43521
Story	1596	1602	1548	1575	1588	1456	1311	22186	18541	18386	18691	17617	18086	12754	328564	257841	232284	216567	213503	179020	92946
Tama	371	381	365	394	414	415	426	3365	3054	2979	2965	3059	3280	2616	47775	48920	39732	38909	38143	32623	20633
Taylor	182	181	179	165	183	167	182	1479	1475	1111	941	1001	1210	866	17196	16387	11142	9035	9798	9717	5066
Union	355	342	337	342	363	366	338	3728	3670	3406	3007	3030	3389	2569	49583	48867	43494	40108	37677	31722	158 60
Van Buren	174	169	165	166	182	167	176	969	1024	990	962	1027	1019	887	14054	12293	12465	10960	11104	8501	5506
Wapello	819	804	797	802	851	772	776	11056	9866	9451	9570	10033	11518	9792	207601	176583	161703	146865	169386	157977	84461
Warren	591	582	574	570	562	454	460	5138	4828	4737	4461	4481	4000	3093	62183	59272	55677	50401	46540	40174	24596
Washington	567	581	557	563	593	542	532	4323	4212	4082	4068	4422	5247	4184	61113	59505	55353	51878	53947	533%	29375
Wayne	179	168	167	167	172	191	189	1219	1189	1140	1224	1240	1442	1034	17063	15797	12933	13662	14501	11520	6260
Webster	1137	1147	1149	1180	1223	1206	1154	14212	13536	13093	12857	13882	16420	14059	228351	211240	190798	178803	182838	198596	113450
Winnebago	339	327	319	328	337	356	343	6810	6267	5504	5583	6037	4758	5323	102951	103548	86818	80841	76704	43896	42896
Winneshiek	542	545	542	537	559	471	441	6814	6571	5652	5799	5758	4292	3387	87644	82468	76353	70367	66916	46830	27800
Hoodbury	2655	2646	2655	2666	2706	2557	2545	40259	36854	34692	36160	35543	38134	36808	692475	624599	557121	564218	543905	471544	316259
Worth	170	180	176	175	190	175	182	1277	1222	1085	965	1024	1047	814	17718	15537	13870	12220	11745	8929	5677
Wright	427	436	433	442	465	444	460	4114	3994	3895	3786	3398	3968	3392	68411	64239	57865	54992	43765	42039	29109
County Unknown	46	24	26	23	32	307	402	538	526	494	489	482	258	1492	11129	12714	10069	9523	9517	7015	8959

State of Iowa 72232 71782 71535 71823 73208 66904 64178 978584 920042 874688 852247 847486 906179 762965 17447939 16108393 14727611 13727312 13265591 11454080 6797939

Note: These data are published in annual reports entitled COUNTY BUSINESS PATTERNS: IOWA (Washington, D.C.: U.S. Bureau of the Census; the 1989 volume was published in July of 1991 under CBP-89-17). More detailed data are available for each county, incorporated places with at least 2,500 residents, and the state in these reports.

Manufacturing in Iowa's Counties: 1977, 1982, and 1987

Yang Xiaodong, Iowa State University Willis Goudy, Iowa State University

The U.S. Bureau of the Census released data from the 1987 census of manufactures in the fall of 1990. Iowa had 3,569 manufacturing firms in 1987, a decrease of 31 from the 3,600 reported in 1982; in 1977, 3,783 such establishments were counted in the state (Table 1). This manufacturing census is part of a series of economic reports completed in years ending in 2 and 7. Any business with one or more paid employees engaged in manufacturing is included; manufacturing is defined as the mechanical or chemical transformation of substances or materials into new products. The assembly of component parts of products also is considered to be manufacturing if the resulting product is neither a structure nor other fixed improvement. These activities are usually carried on in plants, factories, or mills that characteristically use power-driven machines and materials-handling equipment.

In 1987, manufacturing firms employed 206,100 persons and had an annual payroll of nearly \$5 billion in Iowa. Although the total number of manufacturing businesses declined slightly from 1982 to 1987, the number with at least 20 employees increased by 35 to 1,259. These gains were not sufficient to offset a loss of about 7,200 employees from 1982 to 1987; the decline had been greater (-27,000) between 1977 and 1982, however. Payrolls increased from each census to the next. Indeed, the increase was greater than \$1 billion from 1977 to 1982 and more than half a billion between the two most recent censuses.

The manufacturing establishments in six counties (Black Hawk, Dubuque, Linn, Polk, Scott, Woodbury) accounted for more than a third (35.0%) of the total number in the state in 1987. This was also the case for establishments with 20 or more employees (35.9% of the total in the six counties). Polk had 425 manufacturing establishments or 11.9% of the total in lowa in 1987. Thirteen counties had fewer than 10 manufacturing firms, with Adams and Ringgold the lowest at four each.

From 1982 to 1987, increases in manufacturing firms occurred in 39 counties, led by Linn (+20), Dubuque (+12), and Scott (+12) with gains of at least 10. In 12 counties, the number of firms remained the same, while they decreased in 48, with Black Hawk (-27) and Buena Vista (-10) the only counties with double-digit losses.

The number of manufacturing firms with 20 or more employed increased in 43 counties; Linn (+14) and Polk (+13) were the only counties up by at least 10 of these larger firms. Decreases took place in 31 counties; in no case was the loss greater than 10 firms. The remaining 25 counties had no change in the number of firms with 20 or more employees from 1982 to 1987.

In 1987, 140,000 production workers were employed in manufacturing firms in lowa (Table 2). These workers spent 277 million hours on their jobs and received more than \$3 billion in wages. The number of production workers was down slightly (-300) from 1982 to 1987, although production hours (+17 million) and wages (+\$390 million) gained during this period. The decline in production workers between 1982 and 1987 was small compared with the loss of more than 30,000 between 1977 and 1982.

The value added by manufacture in lowa was more than \$14 billion in 1987, an increase of \$2.4 billion from 1982 (Table 3). In this five-year period, the cost of materials increased by \$1.6 billion to \$21 billion. The value of shipments totaled \$35 billion in 1987, which was an improvement of \$4 billion over the figure for 1982. New capital expenditures increased by \$144 million in five years to a total of \$834 million in 1987.

Comparisons across all counties on employees and payroll in Table 1 and the factors listed in Tables 2 and 3 are difficult because the census bureau must protect the confidentiality of individual businesses. Caution is urged in drawing conclusions because data for some key counties are suppressed.

Note: Readers can review the original publication for further details (1987 CENSUS OF MANUFACTURES, U.S. Bureau of the Census, Geographic Area Series, Iowa MC87-A-16; only the year changes in the title of this publication from earlier censuses). Much additional information, including data on incorporated places with at least 2,500 residents, is included in those volumes. Those interested in data from the 1987 and earlier censuses of retail trade, wholesale trade, and service industries can review the 1990 edition of IOWA'S COUNTIES.

Table 1. Establishments, Employees, and Annual Payroll in Manufacturing in Iowa Counties, 1977, 1982, and 1987.

	Numbe	er of Establi	shments		of Establish For More Emp		-	Number of Em in 1,000s)	ployees	Annual Pa	yroll (in \$M	lillions)
County	1987	1982	1977	1987	1982	1977	1987	1982	1977	1987	1982	1977
Adair	11	12	13	1	1	1	a	.1	.1		2.0	1.0
Adams	4	7	5	2	2	0		.1			1.5	.2
Allamakee	21	22	29	4	6	6	1.1	.8	1.0	16.1	8.5	8.8
Appanoose	11	13	21	4	5	7	.7		.9	14.3		8.4
Audubon	8	7	8	2	1	1	.1	.1	.1	1.1	1.5	.9
Benton	23	24	24	8	5	6	.6	.3	.6	11.8	5.3	6.9
Black Hawk	154	181	177	51	60	58	10.6	18.2	20.6	338.1	491.9	342.0
Boone	27	28	31	12	12	10	.9	.9	.8	16.6	13.7	9.8
Bremer	34	37	41	12	12	13	1.2	1.1	1.2	31.7	21.1	16.4
Buchanan	26	- 23	25	10	6	6	.6	.6	.5	10.3	7.4	5.3
Buena Vista	26	36	36	8	6	10		1.0	1.2		19.0	14.6
Butler	17	17	21	3	1	1	.2	.1	.3	3.4	1.6	3.4
Calhoun	15	13	21	3	2	3	.2	.2	.2	3.8	2.4	2.5
Carroll	32	28	25	8	6	8	.9	.8	1.0	19.6	14.5	13.3
Cass	25	21	26	9	7	11	1.2	.5	.6	22.6	6.8	6.2
Cedar	23	27	26	8	8	6	.6	.5	.5	10.2	6.4	5.4
Cerro Gordo	65	67	63	26	26	26	3.2	2.7	2.5	64.6	45.8	31.4
Cherokee	20	23	22	6	9	7	.7	1.0		16.2	19.4	
Chickasaw	19	19	16	7	8	5	1.3	1.2	1.1	25.6	21.3	13.0
Clarke	17	12	12	8	8	6		.7	.5		11.1	4.2
Clay	31	34	38	9	10	13	1.0	1.2	1.8	18.7	21.0	23.4
Clayton	35	36	36	13	12	10	1.2	.7	.9	16.2	8.7	7.9
Clinton	47	52	60	23	24	32	4.0	5.9	7.1	101.2	125.0	97.1
Crawford	19	23	23	5	6	5						•••
Dallas	27	33	30	12	11	12		1.2	1.4		29.4	19.4
Davis	8	9	12	3	4	2	.2	.2	.2	3.6	2.5	1.7
Decatur	6	6	9	3	3	4	.4	.3	.3	5.8	3.2	2.3
Delaware	24	24	28	9	8	8	.8	.6	.7	17.9	9.9	7.3
Des Moines	63	61	63	30	30	30	6.6	6.3	7.5	170.5	132.0	103.0
Dickinson	25	19	19	7	5	5	1.2	1.0	1.3	22.8	16.3	12.3
Dubuque	143	131	122	58	51	49	12.2	11.9	15.3	318.4	278.8	273.1
Emmet	11	15	18	4	5	7	.3		•••	4.5		
Fayette	30	30	42	9	9	11	.8	.8	.9	15.4	11.1	10.3

 $^{^{\}mathbf{a}}\mathbf{Data}$ suppressed by the census bureau to protect confidentiality of establishments.

Table 1. Establishments, Employees, and Annual Payroll in Manufacturing in Iowa Counties, 1977, 1982, and 1987 (continued).

	Numbe	er of Establi	shments		of Establish or More Emp			Mumber of En in 1,000s)	ployees	Arrival P	#yroll (in \$	Millions)
County	1987	1982	1977	1987	1982	1977	1487	1782	1977	1987	1762	1977
Floyd	17	15	29	5	4	*	* . 3	स्थानसम्बद्धाः । सः ॥ भः	4. 4. 4.	24.3	u u u	u u
Franklin	18	23	23	6	8	7	***	1,0	. 9	4 W W	15.8	11.8
Fremont	5	7	9	1	0	1	W. W. W.	***	* * *	* * u	. 3	.3
Greene	17	17	15	5	6	7	.5	. 4	.6	9.2	6.7	.7
Grundy	18	16	20	4	5	7	No. No. No.	, 4	.6	W 46 46	6.0	6.5
Guthrie	9	8	8	3	1	1	.4	1	, 1	4.1	.7	. 6
Hamilton	33	37	42	15	17	14	2.3	1.6	1.2	41.7	21.4	11.1
Hancock	22	23	20	9	6	4	. 0	.7	, 4	16.7	11.0	5.1
Hardin	33	35	38	14	14	1%	1.2	1.2	1.1	20.0	19.0	10.5
Harrison	11	10	8	4	2	1	4 1	. 1	. 1	2.5	1.6	. 🗘
Henry	26	24	24	10	8	*	1.6	1,0	1.5	32.4	16.6	14.9
Howard	19	19	16	2	3	*	. **	4. %	.3	8.7	9.8	3.0
Humbol dt	21	25	23	8	7	8	* 4	4.4	. 4	9.6	5.7	4,9
Ida	12	10	11	4	3		. 7	. 4	. 3	15.9	6.9	3.4
l owa	27	23	25	8	7	ø	杂准编	** ** **	* * *	***	9 H H	4 W W
Jackson	32	30	31	13	11	10	. 15	. 45	1.0	12.9	7.4	7.0
Jasper	48	52	42	14	15	1%	4 W. W.	4.7	4.4	KA W	95.2	67.2
Jefferson	44	38	27	15	15	13	1.4	1.7	1.8	27.5	28.6	21.1
Johnson	76	71	63	18	22	10	* 7	*.*	# . T	84.5	62.3	35.0
Jones	31	34	41	10	9	77	, "	. 7	" V	14.1	11.2	4.6
(eokuk	16	9	7	1	0	*	18 16 14	. *	н н. н.	* # #	. 7	4 % K
Cossuth	17	24	28	6	4	*	1.1	" "	1.1	24.0	1%.1	14.8
.ee	60	69	72	26	33	31	5.0	16 16	7.4	129.0	128.5	100.0
.fm	234	214	225	91	77	80	23.4	25.4	28.1	669.8	561.1	404.5
ouisa	15	12	17	3	3	*	W W, W	4 H. VI	n n. u	4. W. W	* * #	444
ucas	7	6	10	4	3	**	. **	. **	4.38	5.3	3.2	2.7
yon	16	14	15	3	2	*	. #	W 100	v. 2	3 . B	3.4	2.7
adison	7	6	11	1	0	()	" 1	***	44.4	1.0	. %	, ,
ahaska	25	30	29	8	8	1%	. 15	1,0	1.3	16.4	14.6	13.2
arion	35	31	28	13	11	/3	4.4	3.5	3.1	111.7	62.9	42.2
larshall	50	54	56	20	22	22	4.5	6.0	7.0	131.2	137.1	109.5
iils	5	6	10	0	1	*	W ds A	* * #	电阻	7 m	# # #	1 4 h
Mitchell	17	14	13	3	3	*	16 W W.	. 2	n H	₩ # 4	4.3	#. 1

Table 1. Establishments, Employees, and Annual Payroll in Manufacturing in Iowa Counties, 1977, 1982, and 1987 (continued).

	Numbe	r of Establi	shments		of Establish or More Emp			Number of Emin 1,000s)	ployees	Annual F	ayroll (in 1	Millions)
County	1987	1982	1977	1987	1982	1977	1987	1982	1977	1987	1982	1977
Monone	8	9	7	1	2	0	.1	.1		2.0	1.6	.3
Monroe	8	12	9	5	5	5	.2	.6		2.9	9.1	
Montgomery	14	15	14	6	6	6	1.2	1.1	1.1	21.6	19.1	12.1
Muscatine	81	79	85	43	40	43	8.3	7.9	7.9	217.9	172.9	103.5
O'Brien	23	32	33	8	5	7	.5	-4	.6	6.9	6.5	6.4
Osceol a	11	12	9	4	4	4	.4	.3		5.9	4.5	
Page	24	21	22	8	11	9	1.4	1.3	1.4	31.7	22.7	16.1
Palo Alto	13	15	14	4	4	4		.2	.2		2.8	2.2
Plymouth	23	26	30	7	9	9			.6			7.7
Pocahontas	27	18	21	7	4	4	.5	.4	.4	9.2	4.6	4.3
Polk	425	419	438	139	126	130		21.8	25.1		472.3	381.7
Pottawattamie	75	75	82	26	28	24		3.5		•••	53.8	
Powesh i ek	34	32	28	14	13	15	1.6	1.4	1.5	32.6	22.4	16.1
Ringgold	4	4	7	1	2	1	.1	.2	.1	1.1	1.5	.5
Sac	25	27	24	3	3	5	.2	.4	.6	3.2	6.3	6.7
Scott	193	181	187	62	67	69	13.5	16.1	17.3	421.6	399.3	291.6
Shelby	11	15	15	4	3	3		.2	***		3.4	
Sioux	59	57	54	19	21	17	3.1	2.6	1.8	48.2	32.5	19.5
Story	58	58	64	19	14	18	2.5	2.9	3.3	52.6	51.1	42.0
Tama	20	15	23	4	3	5			.5			6.1
Taylor	7	10	12	2	3	3	.2	.3	.3	2.9	3.2	2.5
Union	16	17	18	7	7	4	.7	1.2	.4	15.4	19.8	4.9
Van Buren	12	12	9	6	6	4	.4	.3	.2	5.9	3.9	1.8
Wapello	26	34	39	12	12	17	2.1		3.7	69.5		61.9
Warren	22	22	27	7	4	5	.4	.3		6.8	4.9	
Washington	26	24	31	7	10	9	.8	1.0	1.4	18.4	17.8	15.7
Wayne	10	11	15	5	5	5	.4	.4	.4	6.7	5.5	3.1
Webster	57	64	64	24	31	26	2.7	3.3	3.7	58.4	61.0	53.1
Winnebago	17	21	26	6	5	7	• • •					
Winneshiek	26	20	18	9	7	7	1.1	.7	.6	17.1	9.8	5.8
Woodbury	101	110	144	51	52	54						
Worth	12	8	8	2	2	2	.3	.2	.2	5.1	1.9	1.5
Wright	31	29	28	13	11	9	1.1	.9	.8	22.9	13.0	8.5
State of lowa	3569	3600	3783	1259	1224	1245	206.1	213.3	240.3	4971.1	4410.4	3382.5

Table 2. Production Workers, Hours, and Wages in Manufacturing in Iowa Counties, 1977, 1982, and 1987.

	Producti	on Workers (in 1,000s)	Production	on Hours (in	Millions)	Production	n Wages (in	SM illions:
County	1987	1982	1977	1987	1982	1977	1987	1982	1977
Adair	a	.1	. 1	* = *	.2	.2	- + -	1.5	.8
Adams		. 1			.2			1.1	.1
Allamakee	.9	.6	.9	1.9	1.1	1.7	13.7	6.1	6.8
Appanoose	.6		.6	1.2		1.3	9.5		6.3
Audubon	.1	. 1	.1	.1	. 1	. 1	.6	.9	.6
Benton	.5	.2	.4	1_0	.4	.8	8.3	3.3	4.4
Black Hawk	7.2	12.4	15.5	13.7	22.2	29.9	207.3	317.5	245.1
Boone	.6	.5	.6	1,2	1.1	1.2	9.4	7.1	6.4
Bremer	.9	.9	1.0	2.0	1.6	2.0	23.3	15.3	12.6
Buchanan	.5	.4	.4	1.0	.6	.8	7.3	5.1	4.2
Buena Vista		.8	1.0		1.7	1.8		15.6	11.3
Butler	.2	. 1	.2	.3	.2	.4	2.1	1.1	2.1
Calhoun	.2	. 1	.2	.4	.3	.4	2.4	1.4	1.5
Carroll	8.	.7	.7	1.4	1.3	1.4	15.0	11.3	7.4
Çass	.7	.3	.4	1.2	.5	.7	11.1	3.4	
Cedar	,5	.3	.4	.9	.6	.7	7.1	4.0	3.6
Cerro Gordo	2.3	2.0	1.9	4,2	4.0	3.8	40.8	31.5	3.5
Cherokee	.6	.7		1.2	1.5		12.5	15.1	21.7
Chickasaw	1,1	.8	.9	2.0	1.5	1.7	19.6		0./
Clarke		.5	.4		.9	.7		12.3	9.4
Clay	,8	1.0	1.4	1.5			47 4	7.9	3.1
Clayton	.9	.6	.8	1.9	1.8	2.9	13.6	14.7	16.4
Clinton	3.1	4.3	5.4		1.0	1.4	11.8	6.2	5.9
Crawford				6.6	8.7	10.6	72.8	86.5	68.4
Dallas	• • •	1.0	1.2		1.0	2.4		22.4	
Davis	.2	.2		7	1.9	2.1	2 -	23.1	15.0
Decatur	.3	.2	.1	.3	.3	.3	2.6	1.7	1.3
Delaware	.6	.5	.3	.7	.5	.5	4.5	2.6	2.0
Des Noines	5.0		.5 	1.2	.9	1.1	12.9	7.0	5.1
Dickinson		4.4	5.5	9.8	8.1	10.7	124.5	80.9	69.4
Dubuque	.7	.7	1.1	1.2	1.5	1.4	12.2	10.1	7.9
•	8.3	7.4	11.0	16.2	13.2	22.4	199.9	161.6	192.3
Emme t	.3			.5		~~~	3.0		
Fayette	.6	.6	.7	1.2	1.1	1.4	11.3	8.2	6.6
Floyd	.9			1.7		**-	14.0		
Fr ankli n	* * *	.7	.7		1.2	1.4		9.7	8.8
remont					- + -	***		.2	.1
ireene	.4	.3	.4	-8	.6	.9	6.8	4.7	4.4
irundy		.3	.4		.5	.9		3.8	4.0
Suthrie	.4		.1	.5	_1	.2	2.9	.5	.7
amilton	1.7	1.1	.9	3.2	1.9	1.7	27.4	13.3	7.6
lancock	.7	.5	.3	1.3	.9	.7	10.9	7.3	3.3
lardin 	.9	.9	.9	1.8	1.7	1.7	13.7	14.1	7.4
larrison	,1	.1	.1	.2	.2	.1	1.5	1.1	.6
lenry	1.2	8.	1.2	2.4	1.5	2.5	21.6	11.1	11.4
oward	.3	.2	.3	-6	.4	.5	6.5	4.0	2.5
lumboldt	.4	.3	.3	-8	.5	.7	6.3	3.9	3.4
da	.4	.3	.2	1.1	.6	.5	8.3	3.9	2.3
OWS							***		• • • •
ackson	.7	.4	.8.	1.4	.9	1.6	9.5	5.6	7.0
asper		2.2	2.8		3.9	5.2		44.1	37.5

Data suppressed by the census bureau to protect confidentiality of establishments.

Table 2. Production Workers, Hours, and Wages in Manufacturing in Iowa Counties, 1977, 1982, and 1987 (continued).

	Production	on Workers (in 1,000s)	Production	n Hours (in I	Millions)	Production	Wages (in \$	Millions)
County	1987	1982	1977	1987	1982	1977	1987	1982	1977
Jefferson	1.0	1.2	1.4	2.0	2.1	2.6	18.5	17.3	14.3
Johnson	2.5	2.2	2.1	4.6	3.8	4.2	54.3	38.9	23.5
Jones	.5	.5	.7	1.1	.9	1.3	9.3	6.5	6.1
Keokuk				• • •	.1		• • •	.5	• • •
Kossuth	.9	.7	.9	1.8	1.3	1.7	18.8	12.3	9.6
Lee	3.6	4.6	5.8	7.1	8.5	11.6	86.7	84.9	69.8
Linn	11.4	13.4	16.7	23.0	24.9	32.7	289.3	262.3	220.8
Louisa		•••							• • •
Lucas	.2	.2	.2	.4	.4	.4	3.5	2.2	1.9
Lyon	.2	.2	.1	.4	.3	.3	2.7	2.2	1.5
Madison	• • •		- • •	.1	.1		.7	.2	.2
Mahaska	.6	.7	.8	1.2	1.3	1.5	9.6	9.2	7.4
Marion	3.5	2.7	2.6	7.2	4.6	5.0	8 6.6	44.5	32.0
Marshall	2.7	3.3	4.1	5.3	5.8	7.7	68.0	68.2	58.6
Mills									
Mitchell		.2	.2	•••	.4	.4		2.7	1.3
	.1	.1		.1	.2		1.0	1.0	.2
Monona	.2	.5		.3	1.0		2.3	7.3	
Monroe	1.0	.9	.8	1.8	1.5	1.7	15.6	13.8	8.9
Montgomery	5.9		5.6	11.9	11.0	10.8	137.0	107.3	62.3
Muscatine		5.7		.7	.6	.8	4.6	4.5	4.3
O'Brien	.3	.3	.4	_	.6		4.7	3.5	
Osceol a	.3	.3	1 1	.6 2.2	1.5	2.1	23.3	14.8	11.1
Page	1.1	.9	1.1	2.2		.2		1.8	1.2
Palo Alto		.1	.1		.2	1.0	* • •		5.3
Plymouth			.5			.5	4.8	2.3	2.3
Pocahontas	.3	.2	.3	.6	.3	30.8		254.2	218.8
Polk		12.6	15.9	+ • •	23.7		• • •	37.0	2,0.0
Pottawattamie	4.5	2.8	4.3	2.2	5.4	2.3	19.2	16.3	11.6
Poweshiek	1.2	1.1	1.2	2.2	2.2	.1	.7	1.2	3
Ringgold	.1	.1	.1	.1	.3		., 2.2	3.9	4.5
Sac	.2	.2	.5	.3	.5	.8		243.1	198.5
Scott	9.5	10.4	12.6	19.4	18.5	23.7	274.9	1.9	170.5
Shelby		.1			.2	7.0	72.7	22.7	13.9
Sioux	2.4	2.1	1.5	4.2	3.6	3.0	32.3	29.9	24.7
Story	1.7	1.9	2.3	3.3	3.6	4.6	32.5		4.2
Tame			.4			.8	2.4	2.2	
Taylor	.2	.2	.2	.3	.4	.4	2.1	2.2	1.6
Union	.5	.9	.2	.9	1.8	.5	8.4	13.7	2.7
Van Buren	.3	.3	.2	.6	.5	.4	4.5	2.8	1.3
Wapello	1.5	•••	2.6	3.0		4.8	44.4	2.5	40.8
Warren	.2	.2		.4	.3		3.4	2.5	0.5
Washington	.6	.8	1.0	1.2	1.5	2.0	11.7	11.5	9.5
Wayne	.2	.3	.3	.5	.5	.5	3.0	3.4	2.1
Webster	1.5	2.0	2.8	3.3	4.2	5.9	30.9	40.3	39.1
Winnebago				•••			40.7		
Winneshiek	.9	.6	.5	1.3	1.1	1.0	12.3	6.6	4.3
Woodbury								4.3	
Worth	.3	.1	.1	.6	.2	.3	3.8	1.2	.9
Wright	.8	.6	.4	1.4	1.1	.9	15.3	7.4	4.4
State of Iowa	140.1	140.4	170.6	277.5	260.0	331.7	3043.4	2653.6	2191.3

Table 3. Value Added, Cost of Materials, Value of Shipments, and New Capital Expenditures in Manufacturing in Iowa Counties, 1977, 1982, and 1987.

	Value	Added by Mar (in \$Million			ost of Materi			tue of Shipm (in SMillion			apital Expending SMILLIONS	
County	1987	1982	1977	1987	1982	1977	1987	1982	1977	1987	1982	1977
Adair	8	5.9	2.5		7.9	4.0		12.9	6.5		.2	.1
Adams		3.7	.3		4.5	.8		8.2	1.1		.2	
Allamakee	48.2	22.9	26.4	87.1	42.3	87.4	135.1	65.2	112.8	1.8	.6	1.3
Appanoose	53.4	• • •	28.6	32.1		24.3	84.9		54.2			•
Audubon	2.6	2.3	1.2	4.7	4.8	1.6	7.4	6.7	3.2	.1	• • •	.2
Benton	28.0	10.7	12.0	35.9	13.4	28.5	63.5	24.3	41.2		.6	.5
Black Hawk	745.1	1399.9	929.2	598.6	1593.3	952.4	1339.8	2989.6	1870.1		51.1	
Boone	28.4	32.7	21.7	28.3	22.7	19.8	55.8	55.8	41.2	1.6	2,1	1.7
Bremer	112.4	101.8	72.5	100.6	99.0	84.2	219.9	199.1	158.7		3.9	1.0
Buchanan	45.1	22.2	12.5	67.3	59.8	48.1	111.4	82.5	60.6	1.9	1.8	
Buena Vista	• • •	44.4	26.8		209.1	168.8		254.2	194.3		1.3	1.1
Butler	6.8	3.4	8.4	7.2	4.9	12.7	14.1	8.4	21.1		.2	.5
Calhoun	7.6	4.5	4.4	5.6	3.9	15.6	12.6	8.3	20.1	.3	.3	.3
Carroll	64.5	36.2	22.5	98.8	107.1	47.9	163.6	144.4	69.2	2.1	1.2	1.0
Cass	41.6	18.6	20.2	51.9	34.0	32.6	92.8	52.5	52.3		1.1	1.4
Çedar	27.2	13.2	15.3	47.4	43.5	29.7	73.6	59.1	44.9		.7	1.3
Cerro Gordo	232.7	92.7	79.9	280.4	208.7	163.5	514.9	306.8	242.2	9.3	10.9	19.3
Cherokee	18.3	47.0		102.7	207.9		121.6	255.1	~		1.4	
Chickasaw	92.3	65.2	44.3	186.9	185.4	126.0	279.5	251.9	168.7	2.5	2.2	1.5
Clarke		20.1	13.5		57.3	16.1		78.2	29.6		1.2	.4
Clay	58.0	53.8	38.0	48.2	342.2	285.1	102.8	393.7	322.8	6.3	1.6	3.4
Clayton	49.9	18.7	17.3	104.1	64.5	41.3	152.4	81.7	59.0	2.3	2.3	1.1
Clinton	513.0	320.2	363.1	518.4	715.0	439.7	1048.6	1035.3	809.1	29.7	56.2	23.2
Crawford							***			- • •	-	
)allas		49.4	25.5		216.2	120.6		265.6	146.1		2.0	3.2
avis	11.5	6.2	3.1	14.4	6.0	2.0	25.9	11.7	5.0	.4	1.5	.2
ecatur	7.5	6.7	7.5	7.2	6.6	17.9	15.8	13.3	24.9	~ = =	.1	. 1
etaware	52.5	20.3	26.4	97.1	75.4	46.7	149.5	95.2	73.6	4.1	2.2	1.0
es Moines	615.5	449.5	319.6	501.7	336.0	234.0	1106.6	796.4	553.2	26.7	29.2	11.2
ickinson	58.9	40.5	29.9	57.9	35.4	19.0	114.4	75.5	46.8		.9	.9
ubuque	775.1	632.2	577.1	1127.5	876.4	909.5	1893.4	1393.9	1483.0	38.2	23.0	32.1
inmet	12.8			31.0			43.8			.5		
ayette	49.9	37.6	29.2	47.2	91.3	57.5	97.2	130.6	87.5	2.1	3.7	2.4

Bata suppressed by the census bureau to protect confidentiality of establishments.

Table 3. Value Added, Cost of Materials, Value of Shipments, and New Capital Expenditures in Manufacturing in lowa Counties, 1977, 1982, and 1987 (continued).

	Value	Added by Mar (in \$Million			ost of Mater (in \$Million			lue of Shipm (in \$Million			apital Expen in \$Millions	
County	1987	1982	1977	1987	1982	1977	1987	1982	1977	1987	1982	1977
Floyd	50.5	* - +		67.0	***		118.8					
Franklin	***	28.8	19.2		37.0	29.5		68.3	47.9		1.6	3.9
Fremont		.6	.6		1.0	.7		1.6	1.3			
Greene	20.5	13.4	13.0	28.7	15.0	12.3	49.6	29.2	25.4		.6	.9
Grundy	***	15.4	12.2		23.0	22.5		39.0	34.5		.7	.6
Guthrie	7.3	2.1	.8	11.6	1.3	.7	19.0	3.6	1.5	.1	.1	.1
Hamilton	32.5	42.3	25.5	221.9	96.8	54.0	252.7	140.7	78.9	14.6	4.7	2.3
Hancock	24.0	17.3	10.5	44.0	83.8	11.1	68.8	101.5	21.3	2.0	1.2	.8
Hardin	59.8	37.0	31.8	215.0	234.6	141.4	275.3	280.5	173.1	1.6	4.5	3.3
Harrison	5.8	3.8	2.0	4.3	2.7	1.9	10.0	6.4	3.9	.2	.2	.2
Henry	165.2	71.5	63.1	123.6	49.2	46.5	290.3	123.8	108.2	10.8	1.8	1.9
Howard	28.5	23.9	23.0	44.2	71.2	40.4	72.1	97.4	63.3	.9	.5	.5
Humboldt	20.1	11.8	9.8	19.2	11.3	12.4	39.1	23.2	21.7	1.0	.6	.5
Ida	47.1	17.1	8.9	55.9	25.9	17.5	101.8	42.0	26.0	3.3	.7	.2
Тома	***	***										
Jackson	33.2	18.3	17.0	68.6	64.6	50.9	105.2	83.2	68.9	1.0	.5	.9
Jasper		254.7	209.6		186.4	151.9		442.7	371.4		8.1	
Jefferson	64.1	51.5	44.7	52.1	50.2	41.5	116.5	103.7	86.6	3.4	1.6	1.8
Johnson	614.1	451.0	273.9	370.0	309.1	191.7	985.1	763.6	462.5	21.6	17.1	5.8
Jones	57.5	31.9	28.9	49.8	37.3	38.1	107.1	70.8	67.3	2.4	1.8	1.5
Keokuk	***	1.3			1.8	•••		3.1			.1	
Kossuth	51.5	51.0	45.6	85.3	58.9	55.3	139.2	109.5	100.2	2.9	2.1	1.3
Lee	427.4	296.4	320.5	547.0	543.6	461.6	964.7	843.3	776.4	14.7	28.7	55.5
Linn	2110.7	1582.5	933.2	1741.3	1757.5	1456.0	3862.5	3397.3	2399.3	117.1	80.0	62.6
Louisa			•••									
Lucas	9.3	6.8	4.6	7.0	4.8	5.1	16.3	11.7	9.5	.3	.1	
Lyan	7.3	8.6	4.9	6.2	4.8	4.0	13.4	13.3	8.9	.3	.2	.1
Madison	2.0	1.2	1.0	1.7	1.1	1.2	3.7	2.3	2.3	.1		.1
Mahaska	56.1	32.7	27.8	29.6	43.0	46.3	89.8	75.0	73.9	2.9	2.6	1.0
Marion	350.4	186.3	94.8	302.1	202.1	118.0	654.4	389.4	210.6	16.6	17.0	12.9
Marshall	235.5	321.4	220.3	422.1	356.4	216.2	652.1	660.0	432.6	11.6	12.1	8.7
Mills	***			•••	***							
Mitchell	M 40 M	13.4	5.9		17.4	6.0		30.9	11.7		1.1	.5

Table 3. Value Added, Cost of Materials, Value of Shipments, and New Capital Expenditures in Manufacturing in Lowa Counties, 1977, 1982, and 1987 (continued).

	Valu	e Added by Na (in \$Millio		. — —	Cost of Meter (in SMillion		Va	itue of Shipm (in Shillion			apital Expen in \$Millions	
County	1987	1982	1977	1987	1982	1977	1987	1982	1977	1987	1982	1977
Monona	5.1	2.1	.7	3.9	1.6	.8	9.0	3.9	1.4	•••	.1	.1
Monroe	6.8	13.3		2.3	15.0		9.1	29.5		.1		
Montgomery	60.2	53.3	41.7	58.0	34.0	24.9	118.0	88.6	66.8	2.5	.9	2.2
Muscatine	682.2	748.8	480.8	928.9	787.0	485.6	1614.5	1538.1	965.9	29.7	28.3	33.8
O'Brien	27.1	24.6	14.5	108.4	112.1	131.0	135.1	137.0	146.7	1.1	1.3	1.1
Osceol a	45.2	39.1		71.8	75.2		116.2	114.8			.6	
Page	157.4	69.6	63.3	83.0	58.0	47.7	239.6	129.2	110.2	5.3	6.6	1.0
Palo Alto		5.9	4.1		6.1	6.2		12.0	10.2		.4	.5
Plymouth			17. 9			112.2			128.8			.7
Pocahontas	17.8	7.2	6.9	36.2	9.8	7.1	53.9	15.9	13.9	-4	1.0	.4
Polk	•••	1141.4	876.9	•••	1885.8	1439.8		3050.3	2328.7	•••	63.4	53.9
Pottawattamie	•••	122.4			601.8			722.3			6.0	
Powesh i ek	74.8	61.3	42.2	73.8	60.1	48.8	141.6	122.8	89.4	4.8	2.2	2.7
Ringgold	2.2	3.1	.7	1.8	2.1	.7	3.9	5.4	1.5			
Sac	16.2	14.0	12.5	13.0	28.2	21.2	29.1	43.5	38.1	.3	1,2	.5
Scott	929.8	918.5	567.6	1892.5	1395.1	1094.4	2801.5	2278.9	1604.3	106.8	78.1	92.5
Shelby		7.7			9.8			17.7			.2	
ioux	98.6	75.0	54.2	353.0	198.0	165.3	453.4	272.0	218.9	8.7	3.9	2.9
itory	203.5	1 96 .4	119.0	211.4	159.3	153.9	405.4	356.2	263.0	7.8	6.0	7.8
ame		•	14.5			71.7			86.4			2.0
aylor	5.0	5.5	4.5	5.2	7.7	6.4	10.3	13.8	11.5	.2	.2	.1
Inion	26.3	40.1	8.5	27.1	40.8	10.4	55.5	78.6	18.7	1.3	2.1	
an Buren	11.2	8.3	3.8	9.5	8.7	2.6	20.5	17.2	6.4		.5	.2
apello	306.2		133.6	335.5		234.9	643.9		366.8			6.8
arren	23.2	19.2		22.1	23.0		45.1	43.1		1.1	.8	
ashington	46.1	47.6	32.1	57.7	83.1	74.4	102.1	126.6	109.9	1.0	3.7	3.4
ayne	28.3	15.2	8.4	31.6	10.7	8.0	59.5	25.7	16.0	2.1	.4	.7
ebster	221.7	214.5	150.3	181.4	554.2	442.8	394.3	775.7	587.6	10.2	7.9	6.9
innebago					•••							
inneshiek	40.1	21.9	14.6	89.3	64.8	23.0	129.7	85.7	37.6	2.1	.9	1.4
loodbury		•••										
lorth	13.6	2.5	2.7	9.8	3.9	4.0	23.1	6.3	6.7		.2	.3
dright	42.3	58.5	32.2	206.0	168.9	198.9	248.5	224.7	232.1	2.4		5.5
State of lowe	14469.0	12091.8	8684.4	21003.8	19382.3	14943.6	39408.6	31424.0	23514.9	834.2	689.6	677.8

Federal Funds in Iowa's Counties: 1983-1990

Yang Xiaodong, Iowa State University Willis Goudy, Iowa State University

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 countles themselves.

Two general areas are listed, the first of which includes direct federal expenditures or obligations. These totaled \$10.1 billion in lowa for 1990 (Table 1). The second area includes other federal assistance, which amounted to \$3.5 billion. Both of these general areas include subcategories that provide more detailed breakdowns of these expenditures.

Direct Federal Expenditures or Obligations

In 1990, direct federal expenditures or obligations exceeded \$100 million in 17 counties. Polk was the leader with \$1.7 billion; no other county topped \$1 billion. In 10 counties, the amount of federal funds received through direct federal expenditures or obligations was less than \$30 million in 1990, although they were under \$25 million only in Adams (\$19.5 million) and Ringgold (\$22.9 million). In 1983, nearly \$6.6 billion came to lowa through direct federal expenditures or obligations (Table 8); this decreased to \$6.3 billion in 1984 (Table 7), although it has increased each year since. From 1983 to 1990, these expenditures increased by 54.0%.

The \$1.5 billion for grants awarded within counties in 1990 accounted for 14.8% of the total direct federal expenditures or obligations in Iowa. These funds increased in five of the seven years examined, with the subtotal more than \$400 million higher in 1990 than in 1983. This subcategory includes a large number of federal programs in several areas (see notes at the end of this section). In 1990, 22 counties received more than \$10 million in grant awards from federal sources. Johnson (\$104 million) and Polk (\$390 million) had the largest shares in this subcategory. Five counties (Adams, Iowa, Mitchell, Osceola, Worth) received less than \$2 million in grant awards. Seven counties (Black Hawk, Johnson, Linn, Polk, Scott, Story, Woodbury) had more than half of all grant awards for the state. Polk county (26.1%) alone received more than a quarter of the total.

Salaries and wages exceeded \$730 million in 1990. These were generated by the Department of Defense, the Postal Service, and other federal agencies for employees in Iowa. They increased every year for which data were available. Salaries and wages paid by federal funds in 1990 exceeded \$10 million in 11 counties, topped by Polk with \$219 million, which accounted for about 30% of all salaries and wages paid by the federal government in Iowa. Polk and four others (Johnson, Linn, Story, Woodbury) received more than half of all federal funds in this category. On the other hand, 30 counties received less than \$2 million in federally paid salaries and wages.

Nearly two-fifths (39.2%) of the total direct federal expenditures or obligations went for retirement and disability payments; almost \$4 billion was received by individuals in lowa in 1990. 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, 1990.

			Direct Fede	ral Expenditu	res or Obli	gations		Other Fe	deral Assistan
Carmer		Grant	Salaries/	Retirement/ Disability	Other	Procurement Contract	001	Direct	Guaranteed Loans and
County	Total	Awards	Wages	Payments	Payments	Awards	Other	Loans	Insurance
Adair	29815	3139	1267	12473	6482	164	6290	4127	16787
Adams	19460	1991	1371	7776	3599	161	4562	1958	8101
Allamakee	51374	4042	2065	20308	8187	11050	5722	2386	7492
Appanoose	53349	8579	3331	27077	10013	624	3725	3161	6518
Audubon	29338	3270	1593	11978	5764	165	6568	5545	16480
Benton	58796	4052	2634	30338	11552	347	9873	11565	45950
Black Hawk	455041	79559	23520	180541	75884	83738	11799	6907	61864
Boone	75616	5744	5574	40235	16023	316	7724	5290	35377
Bremer	63416	3372	2400	30822	10645	9514	6663	5671	18494
Buchanan	58038	5983	2658	28340	9969	336	10752	8418	19061
Buena Vista	65586	3985	4090	31202	11555	6892	7862	6902	36487
Butler	56427	4008	2114	24576	9555	280	15894	6079	19631
Calhoun	44608	5342	1959	21628	7758	253	7668	6577	25787
Carroll	60708	5201	3747	32667	11641	446	7006	7646	24184
Cass	58139	11069	2783	26745	10286	292	6964	6756	19628
Cedar	50127	5949	3403	22115	8336	415	9909	9825	36241
Cerro Gordo	150785	14406	8155	75778	28428	11467	12551	9314	37786
Cherokee	43731	3138	2186	22853	8359	266	6929	7857	29552
Chickasaw	48687	3372	1915	18804	7770	8577	8249	6823	11309
Clarke	26953	3180	1440	11984	5167	137	5045	1905	5971
Clay	57020	8753	3393	25238	9320	576	9740	8730	28320
Clayton	62811	7504	3541	28491	10903	2827	9545	5360	
Clinton	143398	11687	6629	79108	32671	1301	12002		13380
Crawford	57404	4923	3898	23895	10852	5121	8715	12731	37977
Dallas	80288	10584	3944	40717	17467	429	7147	11092	28470
Davis	27510	2922	1313	12057	5447			7613	31005
Decatur	37474	10128	1513	13086	7648	154	5617	969	9104
Delaware	45571	5694	2271	19945		185	4900	1305	7311
Des Moines	162562	14194			7549	471	9641	6184	19983
Dickinson	45619	2694	7983	69404	24828	40747	5406	3627	19052
Dubuque	245370		1995	26411	8634	259	5626	6911	14759
•		31976	15845	117807	52591	19879	7272	2647	23801
Emme t	49052	4504	1875	19583	9183	6958	6949	11289	20190
Fayette	71630	5854	4055	33893	15763	608	11457	11116	14123
Floyd	60559	6349	2469	30659	10510	288	10284	8329	22658
Franklin	47877	2625	1997	17853	5683	8242	11477	12144	33139
Fremont	33076	2734	1530	14745	6337	193	7537	6166	17892
Greene	38390	3039	1895	19022	6254	250	7930	6814	29956
Grundy	38741	2368	1706	19273	6151	220	9023	5427	33119
Guthrie	40004	3752	2139	19235	7720	254	6904	5256	17236
Hamilton	5 1935	4019	2367	25227	11106	297	8919	9271	32814
Hancock	37875	2030	2113	17892	5551	237	10052	9850	26304
Hardin	66344	4601	3131	34123	13949	385	10155	12197	37036
Harrison	53591	6730	3165	24040	11616	350	7690	4582	26992
Henry	51589	4091	2955	26878	9667	468	7530	4052	22537
Howard	39133	2906	1368	15248	6931	5081	7599	7401	8058
Humboldt	36717	2506	2176	18598	6689	248	6500	6738	42453
I da	28504	3738	1370	13159	4140	242	5855	5677	22193
I ома	41396	1945	2430	21181	6653	449	8738	3819	20618
Jackson	61111	6808	3120	29614	13520	336	7713	4548	17412
Jasper	91740	8106	4083	50040	19816	467	9228	8292	34328

Table 1. Federal Funds (in \$1,000s) Received from Selected Programs in Iowa's Counties, 1990 (continued).

	Direct Federal Expenditures or Obligat							Other Federal Assistance		
County	Total	Grant Awards	Salaries/ Wages	Retirement/ Disability Payments	Other Payments	Procurement Contract Awards	Other	Direct Loans	Guaranteed Loans and Insurance	
Jefferson	40958	3443	3689	20334	7599	315	5578	3987	19600	
Johnson	291446	103878	42916	71526	29894	34327	8905	6255	45887	
Jones	51808	3811	2871	25116	9642	413	9955	7606	28733	
Keokuk	44091	2839	2638	20595	8451	400	9168	4635	24610	
Cossuth	63795	5792	3137	28205	9979	461	16221	19643	59765	
Lee	106406	11652	5545	60680	21756	629	6144	1185	17499	
Linn	635753	39366	42470	207414	72796	264506	9201	8114	84470	
Louisa	32910	2695	2234	15127	4975	195	7684	3554	18327	
Lucas	35076	5160	1747	16001	7734	165	4269	952	6755	
Lyon	33123	2449	1793	16032	5431	219	7199	8742	25543	
Madison	37847	4707	1964	17634	8662	235	4645	2745	11950	
lahaska	63811	7161	3267	32337	12690	399	7957	4745	24861	
Marion	111872	7169	30269	46622	18096	4831	4885	3508	12296	
Marshall	113424	14969	5314	63916	19021	655	9549	6083	33270	
4ills	40110	5306	2035	19496	7863	269	5141	4238	19153	
itchell	35698	1995	1719	18367	6020	226	7371	8676	20880	
	42551	4202	2476	19368	8298	376	7831	5727	14960	
Monona	30781	3967	1137	15059	7299	178	3141	786	6228	
Monroe					10873	305	5355	4463	17481	
Montgomery	43194 00357	3071	2227	21363			5755	5586	27529	
uscatine	99253	11218	4749	52265	19126	6140 775				
)'Brien	50827	4846	2875	25530	9172	325	8079	11943	22964	
Osceola	29277	1464	1132	11135	3857	5245	6444	8216	19289	
Page	59277	6336	3181	30841	12957	368	5594	2957	16403	
Palo Alto	42152	4407	1931	18640	7198	237	9739	10252	26842	
lymouth	63794	5294	4316	31311	11812	384	10677	8101	44861	
Pocahontas	36195	2392	1796	16998	5105	1156	8748	8201	32521	
Polk	1711322	390131	218692	412582	183282	69097	437538	12723	148449	
Pottawattamie	381505	31242	10621	124706	50910	3693	160333	8881	79316	
Poweshiek	72517	13522	2165	26733	10770	386	18941	6729	23967	
Ringgold	22935	2578	1583	8949	3681	187	5957	2193	9802	
Sac	40989	2331	2208	21477	7507	259	7207	8 916	29299	
Scott	406835	54303	21458	217294	80276	21636	11868	14543	82010	
Shelby	44342	5452	2268	20031	7 971	259	8361	7578	29087	
Sioux	75186	9034	3949	35018	14342	1339	11504	10576	34566	
Story	239956	64045	33016	71558	34791	27475	9071	8967	48817	
ame	58093	5287	3361	26917	9562	629	12337	9281	34723	
raytor	30919	4079	1813	12875	52 8 6	209	6657	2461	8820	
nion .	49593	7977	3594	22390	10883	351	4398	5322	8537	
/an Buren	27265	2373	1670	12551	5108	313	5250	932	9897	
lapello	128726	19053	6132	67976	30452	926	4187	6894	14512	
larren	72070	12313	4150	35689	14617	502	4799	6140	18956	
lash ington	57279	5323	3192	29563	9368	395	9438	6070	29689	
layne	34033	3610	1804	13904	7661	245	6809	2137	8054	
lebster	141269	20381	12456	69213	28110	873	10236	6509	40487	
/innebago	40640	3941	1849	18618	6899	293	9040	13693	24279	
linneshiek	55439	4868	3520	24360	12989	366	9336	3683	6876	
loodbury	3139 <i>7</i> 2	34247	33707	148016	69460	14495	14047	10686	68088	
orth	28938	34247 1905	1301	13203	4395	176	7958	9517	19268	
iright	20736 52901	4081	2836	26983	8888	317	9796	9515	30917	
itate of Iowa	10117415	1494068	733318	3968012	1786654	700372	1434991	669698	2864590	

Table 2. Federal Funds (in \$1,000s) Received from Selected Programs in Iowa's Counties, 1989.

			Direct Fede	ral Expenditu	res or Obli	gations		Other Federal Assistance		
County	Total	Grant Awards	Salaries/ Wages	Retirement/ Disability Payments	Other Payments	Procurement Contract Awards	Other	Direct Loans	Guaranteed Loans and Insurance	
		~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~								
Adair	32675	2903	1250	11942	4093	137	12350	2933	20941	
Adams	22500	2405	1399	7444	2929	137	8186	2374	11461	
Allamakee	52286	2943	1941	19141	6772	10033	11456	1306	10044	
Appanoose	52625	6297	3035	26070	8339	2453	6431	6316	8735	
Audubon	30106	1774	1590	11336	4147	169	11090	3893	18642	
Benton	70322	3487	2511	28842	9373	337	25772	6705	53821	
Black Hawk	355684	69855	22680	170471	61700	11008	19970	5766	70787	
Boone	81835	4451	5548	38344	13232	4474	15786	2895	43726	
Bremer	74340	3932	2314	29242	9406	16042	13404	4226	28227	
Buchanan	67506	7413	2616	26703	8796	337	21641	5623	30725	
Buena Vista	62055	3191	3958	29333	11164	327	14082	6020	36021	
Butler	52747	3258	2053	23292	8268	274	15602	5563	28034	
Calhoun	45045	2185	1962	20593	6595	258	13452	5539	26754	
Carrol l	62497	4610	3742	30635	10082	427	13001	5727	25469	
Cass	59195	9884	2519	25161	8572	258	12801	4858	22684	
Cedar	60466	2806	3082	20603	6687	1814	25474	5339	42383	
Cerro Gordo	136641	12014	7864	71351	22624	3084	19704	9306	42223	
Cheroke e	46193	3038	2127	21391	6856	316	12465	6571	28616	
Chickasaw	46660	2650	1847	18037	6810	1712	15604	4768	18502	
Clarke	29251	3944	1320	10950	4571	116	8350	928	6013	
Clay	55749	4202	3294	24083	7560	742	15868	8141	27357	
Clayton	67707	5560	3298	27056	9778	408	21607	2705	24636	
Clinton	151219	9554	6302	75289	26138	1005	32931	4902	44845	
Crawford	58335	4118	3755	22544	8977	4746	14195	11327	30953	
Dallas	78764	5874	3876	38667	14645	427	15275	3997	39214	
Davis	28410	2564	1279	11817	4575	153	8022	528	7748	
Decatur	38030	9192	1636	12359	6489	195	8159	714	7746 7579	
Delaware	58145	3379	2226	18894	6337	263	27046			
es Moines	181332	4848	7612	64706	19009			2614	36282	
ickinson	46024	2553	1834	_		74326	10831	2709	24157	
Oubuque	250058	56867		24823	7092	704	9018	3814	15006	
imme t	41961		15063	111150	42064	6706	18208	1723	28284	
		3084	1898	18387	7555	205	10832	6731	22166	
ayette	83238	6653	3738	32390	13685	696	26076	6172	30507	
loyd	60877	5084	2244	29246	8059	263	15981	6844	21318	
ranktin	45950	2054	1928	16798	5224	1431	18515	10689	39812	
remont	32929	2319	1379	14093	5254	179	9705	6314	18344	
ireene	43989	2888	1809	18079	5298	216	15699	4659	37281	
irundy	42639	1119	1673	18171	5458	221	15997	5117	38604	
uthrie	41167	3233	1950	18208	6502	242	11032	3512	19461	
amilton	60135	4183	2287	23845	9696	279	19845	4538	42291	
ancock	41174	1582	1903	16523	5076	243	15847	9480	32333	
ardin	73137	4488	2941	32651	12377	379	20301	7285	46167	
arrison	56265	6775	3068	23110	9591	321	13400	6726	29629	
enry	53823	3259	2852	25583	7971	501	13657	3027	28147	
oward	40623	2695	1271	14326	6020	782	15529	2960	16714	
umboldt	39290	2314	2088	17635	5471	237	11545	4621	26526	
da	30052	2364	1234	12611	3563	126	10154	5704	24061	
OMB	53823	1831	2489	20056	5694	391	23362	1030	34388	
ackson	68262	5783	2881	28056	10818	2439	18285	2724	23041	
lasper	93495	8293	3880	46939	15253	476	18654	5197	38095	

Table 2. Federal Funds (in \$1,000s) Received from Selected Programs in Iowa's Counties, 1989 (continued).

			Direct Fede	ral Expenditu	res or Obli	gations		Other Federal Assistance		
County	Total	Grant Awards	Salaries/ Wages	Retirement/ Disability Payments	Other Payments	Procurement Contract Awards	Other	Direct Loans	Guaranteed Loans and Insurance	
Jefferson	44310	3719	3466	18964	6268	357	11536	2545	24436	
Johnson	279094	90554	38448	66429	26211	37660	19792	2664	50797	
Jones	61709	3316	2231	23646	8036	285	24195	3116	34302	
Keokuk	56850	4030	2518	20014	7010	360	22918	2005	32109	
Kossuth	69550	3841	2949	26771	8416	332	27241	17255	61762	
Lee	103815	10039	5377	57874	18184	821	11520	1724	21533	
Linn	620096	36597	41894	195158	60319	247448	38680	2462	100253	
ouisa	38996	2513	2147	14474	4113	195	15554	3196	22381	
Lucas	33660	3547	1694	15516	6164	360	6379	5 <i>7</i> 7	8432	
Lyon	36460	1830	1672	15172	4380	211	13195	4800	25065	
Madison	38329	2411	1868	16840	7823	211	9176	1930	13073	
lahaska	67896	6146	3118	30164	10285	332	17851	2589	31064	
Marion	106014	8101	27041	44082	15160	3387	8243	2770	17882	
Marshall	115922	15103	4885	59903	15332	553	20146	3972	40644	
Mills	42252	6457	1984	18299	6427	221	8864	3823	20808	
Mitchell	41224	2254	1688	17657	5242	227	14156	4589	22252	
onona	45810	4138	2162	18480	6984	253	13793	4751	15103	
Honroe	30856	3633	1160	14544	5769	137	5613	594	7841	
	43498	2746	2187	20294	9328	227	8716	4108	17385	
Nontgomery	98383	7564	4690	49387	14571	6530	15641	2711	32508	
luscatine		3946	2891	23887	8146	364	13991	9001	24073	
)'Brien	53225					132	10716	4831	19813	
Osceola	27195	1408	1133	10495	3311	451	9854	3164	18166	
Page	59530	5573	3349	29415	10888			6808	24502	
Palo Alto	46784	5122	1978	17726	6026	242	15690		42906	
lymouth	71053	5055	4035	29160	10081	348	22374	5375	33097	
Pocahontas	40384	2696	1784	16186	4398	259	15061	5313	179900	
Polk	1446347	296922	204914	387463	154935	73275	328838	10560		
Pottawattamie	220672	29657	10056	116710	39831	3977	20441	9055	80438	
Powesh i ek	71931	3302	2074	24911	8998	367	32279	3716	32276	
Ringgold	26195	2065	1561	8408	3194	190	10777	937	11520	
Sac	44345	2362	2192	20430	6311	258	12792	8668	32137	
Scott	363790	39964	20975	194033	66166	24057	18595	8047	85758	
Shelby	48004	5662	2208	18212	6703	253	14966	6464	29593	
Sioux	87336	7986	3649	32711	13001	8687	21302	6142	34489	
Story	229974	56499	30060	66472	33524	25190	18229	5367	56605	
lame.	64946	6787	3113	25580	7989	967	20510	7050	44772	
Taylor	32716	3311	1707	12328	4443	205	10722	1966	12 79 2	
Inion	45569	5202	3185	20615	9097	316	7154	3725	11294	
/an Buren	30270	3206	1558	11848	4204	227	9227	655	10543	
Japelio .	121155	15390	6454	64524	25099	959	8729	3382	17148	
arren	65239	6035	3849	33151	12407	411	9386	4935	27040	
lash ington	67780	3450	3156	28092	7900	306	24876	2230	36842	
layne	35983	3249	1769	13198	6481	249	11037	1167	11007	
lebster	133650	13022	11964	64817	22604	1018	20225	4461	48529	
linnebago	42087	2434	1730	17383	5954	232	14354	11329	23037	
linneshiek	59006	3625	3292	22706	11656	392	17335	2225	12048	
loodbury	292839	34339	30968	139242	55647	10957	21686	6943	67239	
orth (34638	3827	1183	12593	3657	163	13215	6299	19570	
right	57113	3983	2719	25670	7225	306	17210	8174	36285	
State of Iowa	9840421	1303209	<i>6</i> 91730	3731346	1508802	607883	1997451	473329	3264040	

		Other Federal Assistance							
County	Total	Grant Awards	Salaries/ Wages	Retirement/ Disability Payments	Other Payments	Procurement Contract Awards	Other	Direct Loans	Guaranteed Loans and Insurance
		AWAFUS		Payments	- Paylike 11.5				trisurance
Ndair	37278	5142	1081	11444	4115	131	15365	15827	2367
ldams	21520	1403	1355	<i>7</i> 235	2743	122	8662	7491	1314
llamakee	40739	2671	1851	18289	6041	569	11318	7444	1923
ppanoose	47543	5695	2810	25258	7527	736	5517	5403	3775
udubon	33104	1331	15 29	10618	3767	116	15743	18509	1838
Benton	66788	3253	2396	27633	8761	243	24502	36009	3435
llack Hawk	376395	72395	21295	161571	5 7987	40822	22325	26916	35413
loone	77353	3771	5238	36638	12162	465	19079	23067	7334
remer	76944	3302	2165	27990	8875	19205	15407	20147	4808
luchanan	66229	3629	2605	25251	8829	247	25668	25866	5770
uena Vista	67919	295 0	3999	27998	9644	1950	21378	23168	2533
utler	51766	3251	1864	22271	76 9 6	187	16497	24758	3541
alhoun	52055	2498	1922	19817	6027	274	21517	28329	1049
arroll	65922	4423	3533	28602	9265	317	19782	24015	2019
ass	61392	9253	2561	23808	7843	249	17678	15152	2248
Gedar	59938	4472	2981	19810	6127	241	26307	24674	2251
erro Gordo	141196	10559	7528	67273	20323	3417	32096	31786	6197
herokee	53785	4173	1953	20662	6431	494	20072	21720	2721
hickasaw	112050	1973	1835	17542	6290	5452	78958	20942	2074
larke	58494	2369	1280	10697	4085	86	39977	5179	1495
lay	57256	3124	2958	22439	7008	282	21445	26489	3166
layton	63319	4381	3186	25671	8874	334	20873	18582	4984
linton	143624	11522	6154	71236	24054	658	30000	26756	6127
rawford	59707	4395	35%	21095	8015	1822	20784	26359	2640
allas	100377	27489	3677	36911	13480	307	18513	25031	4586
avis	27332	2353	1227	11480	4329	112	7831	4089	899
ecatur	32068	5388	1381	11853	6262	271	6913	5495	1240
elaware	52575	3044	2113	18132	5985	191	23110	23184	4962
es Moines	168966	26101	7558	61407	17506	44247	12147	10234	3671
ickinson	47406	2407	1783	23326	6328	325	13237	16645	1500
ubuque	209900	22968	14057	107121	39738	10007	16009	9825	9554
mme t	46623	2779	1780	17264	6833	1404	16563	21682	1537
ayette	90420	5837	3473	30757	12727	671	36955	32562	35 <i>7</i> 0
loyd	62385	4906	2072	27785	7407	206	20009	25603	2539
ranklin	59330	4528	1890	16063	4463	4875	27511	33975	3594
remont	36983	2454	1301	13488	4828	127	14785	16369	1957
reene	47314	2795	1700	17319	4777	153	20570	27336	1290
rundy	68248	1158	1638	17439	5084	165	42764	28608	1953
uthrie	42360	2109	1839	17647	5983	194	14588	16956	2701
emilton	62168	4214	2323	22714	8600	249	24068		2153
encock	46903	1201	1890	15552	4438		23459	30288	1982
ardin	73936	4335	2838	30860	10838	363 277		29089	
nrison	58802	6748	2831	21903	8744	277	24788	32988	5061 5584
enry	52779	2995	2753	24654		226	18350	26064	5586 2270
oward	40530	2927	1162		7494 5544	362 534	14521	11313	2279
umboldt	43599	2518	1102	13494	5546 5110	526	16875	18178	1064
da da	35159	2008		16669	5110	168	17263	21065	1380
owa Owa	51892		1302	12103	.3309	100	16337	15320	851
owa ackson	61790	5824 4710	2254	19164 26967	5091	220	19339	18447	2279
	ni/YU	4/10	2856	74047	10105	1072	16080	11824	3441

Table 3. Federal Funds (in \$1,000s) Received from Selected Programs in Iowa's Counties, 1988 (continued).

			Other Federal Assistance						
County	Total	Grant Awards	Salaries/ Wages	Retirement/ Disability Payments	Other Payments	Procurement Contract Awards	Other	Direct Loans	Guaranteed Loans and Insurance
Jefferson	40565	2928	3172	18232	5773	168	10292	9584	4334
	257594	86068	37134	62566	22959	31191	17676	11790	20278
Johnson	56311	3071	2145	22325	7293	218	21259	19644	3200
jones	53497	3958	2337	19297	6476	228	21201	17722	4573
(eokuk	90054	4735	2935	25682	8109	251	48342	55885	3254
(ossuth	95530	8249	5160	54964	16563	488	10106	7083	4665
.ee	682564	35643	40240	184421	57262	308353	56645	9696	58895
.i m	38823	3539	1963	13916	3796	135	15474	15583	1028
.ouisa									
ucas	31976	3131	1580	15046	5661	678	5880	3844	2033
yon.	69103	2251	1552	14425	4054	180	46641	20028	1247
ladison	38067	3025	1612	16164	6656	175	10435	9881	1637
lahaska	63402	5368	2949	28851	9124	255	16855	15794	5722
larion	106534	6079	2 7 201	42359	14131	5561	11203	11553	4636
larshall	109957	11214	4589	56343	13916	529	23366	22036	4618
lills	42844	4453	1785	17224	5873	159	13350	14546	4565
itchell	42790	1548	1579	16702	4994	236	17731	20501	473
onona	50967	4210	2070	17703	6545	298	20141	25846	791
onroe	28789	3098	973	14177	5293	86	5162	3265	2637
ontgomery	45393	2880	1981	19613	8165	156	12598	12868	1700
uscatine	96360	7951	4527	46835	13364	9150	14533	11747	7690
'Brien	60587	4923	2736	23231	7305	254	22138	30393	2683
sceola	46784	1042	968	10146	3132	86	31410	25185	914
age	57110	4230	3047	27823	9717	399	11894	11537	1946
alo Alto	78252	3453	1636	16797	5636	162	50568	28614	2850
lymouth	69938	3450	3886	27782	9251	268	25301	23659	4192
ocahontas	47155	2286	1782	15449	4114	228	23296	25436	951
olk	1176240	301434	199983	367376	144833	60279	102335	23324	109885
otk ottawattamie	289201	30037	9484	110103	36766	52518	50293	34981	42462
			1870	23884	7813	187	19625	19106	2600
oweshiek	56623	3244					9306	6772	1512
inggold	23988	2186	1467	8059	2836	134			
ac .	49458	2381	2088	19506	5795	195	19493	25624	2392
cott	362997	37068	20599	182041	60688	42379	20222	20482	53355
helby	56368	8773	2096	17848	6206	180	21265	17885	3031
ioux	83225	6658	3327	31013	11569	1502	29156	30417	3731
tory	222762	53742	29808	62550	28783	25340	22539	28799	12608
ama	65815	4709	3053	24584	7473	1386	24610	27811	2427
aylor	32138	2595	1605	11800	4103	162	11873	9783	774
nion	43799	3926	3147	20300	8100	328	7998	7426	1475
en Buren	28813	3550	1466	11576	3781	169	8271	5361	1451
spello	116244	14048	6056	61610	23825	1970	8735	9295	3383
Brren	96782	7731	3703	32189	11442	329	41388	12603	7238
ashington	61989	3752	2977	26529	7269	245	21217	18186	2018
вупе	35165	3568	1674	12620	5910	157	11236	7858	931
bster	131204	10620	10855	61463	20922	1649	25695	28858	3546
innebago	48911	3502	1620	16691	5350	202	21546	24578	2242
inneshiek	57861	4109	3136	21726	10618	236	18036	9199	2447
oodbury	277702	28701	30127	132885	51838	3863	30288	57214	37535
orth	37240	1362	1069	12278	3421	112	18998	19362	1953
right	60687	2441	2636	24611	6833	425	23741	34421	1755
tate of lowa		1259225	666149	3549192	1277822	699373	2220809	1990481	1630417

			Direct Fede	ral Expenditu	res or Obli	gations		Other Federal Assistance		
County	Total	Grant Awards	Salaries/ Wages	Retirement/ Disability Payments	Other Payments	Procurement Contract Awards	Other	Direct Loans	Guaranteed Loans and Insurance	
,										
Mair	34565	6142	1067	11074	3688	110	12484	20437	11264	
Md ams	21013	2077	1346	7112	2582	136	<i>7</i> 760	10001	6157	
Vilamakee	41035	5907	1724	17452	5734	606	9612	9080	1785	
\ppanoose	49022	9314	2755	24709	7283	384	4577	4591	5578	
Audubon	30089	2571	1413	10253	3583	130	12139	20699	10570	
Benton	61131	6174	2230	26464	8026	273	17964	35505	15707	
Black Hawk	356557	83953	19637	151252	55766	26138	19811	32195	44612	
Boone .	75382	5848	5272	35230	11492	1189	16351	29709	16091	
Bremer	70007	5416	1994	27461	8456	14017	12663	23580	8347	
Buchanan	64214	8997	2221	24345	7772	252	20627	32250	9098	
luena Vista	87074	6069	3683	26740	9117	22980	18485	76751	22275	
Butler	57237	6476	1780	21159	7150	212	20460	33441	9860	
Calhoun	51812	4590	1734	19012	5677	1597	19202	35402	13504	
Carrol t	65714	9307	3204	27370	8677	343	16813	29100	14685	
Cass	60326	13214	2495	22877	7492	404	13844	22609	11519	
Cedar	53794	4816	2848	19107	5819	458	20746	31279	13677	
Cerro Gordo	152378	16294	7382	64430	19507	3512	41253	46697	21313	
Cherok ee	50505	4967	1948	19842	5935	513	17300	28218	15365	
hickasaw	39542	6126	1705	16275	5903	19398	-9865	29660	2965	
larke	27349	5401	1218	10056	3869	122	6683	5858	5803	
lay	54572	3445	3078	21609	6678	371	19391	30768	12838	
layton	68851	14145	2902	24108	8324	500	18872	21617	5378	
linton	140606	16773	5802	68222	23005	646	26158	34336		
rawford	61229	7724	3288	20382	7718	4364	17753		12730	
allas	82289	9059	3512	35299				34253 34500	18777	
avis	27850	4336	1216		12738	438	21243	31590	23066	
ecatur	33515	9235		11128	4041	126	7003	7384	7923	
elaware	-2116 99		1273	11349	5920	199	5539	7326	5185	
es Moines		10218	1830	17010	5811	207	-246775	29261	6999	
	38743	14371	7249	58936	16627	-67950	9510	15863	18153	
ickinson	45247	4475	1554	22207	5955	242	10814	21540	9849	
ubuque	221413	44603	12951	97086	37393	15532	13848	13223	15145	
mmet	44296	5790	1657	16395	6642	155	13657	31897	10298	
ayette	89557	10606	3322	2977 0	11754	1329	32776	35766	6616	
loyd	60587	7328	2018	24685	7042	780	18734	32936	7612	
ranklin	50087	5375	1702	15588	4252	741	22429	43802	13845	
remont	35698	3782	1203	13201	4626	138	12748	25357	122 <i>7</i> 3	
ireene	44557	5485	1717	16530	4615	244	15966	32491	14077	
irundy	43177	2911	1535	16747	4627	183	17174	33115	11073	
uthrie	42524	4554	1666	17176	5668	236	13224	21766	11235	
amilton	58386	5881	2153	21659	8130	224	20339	39632	13673	
ancock	47838	3618	1840	15326	4233	195	22626	42237	13395	
erdin	70862	6682	2814	29983	10414	307	20662	84935	14084	
arrison	59228	9961	2605	21080	8295	781	16506	35174	15139	
enry	49592	5399	2668	23774	6897	279	10575	19101	13562	
oward	40494	5790	1085	12964	5267	220	15168	24431	3440	
umboldt	40484	3731	1892	15550	4738	195	14378	28664	13451	
da	35421	3539	1195	11461	3077	152	15997	21443	15028	
OMB	52607	10309	1971	18520	4850	1356			10656	
ackson	61638	8776	2673	25687	9660		15601	22565	6259	
lasper	90131	11595	3460	42245	13402	360 919	14482 18510	15189 31431	21308	

				Retirement/		Procurement		Guaranteed		
		Grant	Salaries/	Disability	Other	Contract		Direct	Loans and	
ounty	Total	Awards	Wages	Payments	Payments	Awards	Other	Loans	Insurance	
fferson	39850	4607	3048	17569	5383	266	8977	12817	17153	
hnson	236180	80168	35916	59077	23238	24131	13650	19876	35053	
nes	53686	6309	1929	21205	6914	223	17106	26231	8596	
okuk	50595	5212	2130	18557	6160	244	18292	26207	17577	
ssuth	79086	8054	2584	24808	7378	263	35999	72401	29906	
e	96387	13759	4833	52826	15885	792	8292	12475	10010	
inn	778846	42173	35187	174632	54500	430079	42275	23423	83384	
xui sa	35666	4927	1568	13254	3545	236	12136	20820	8756	
,cas	32354	5770	1431	14620	5400	126	5007	6011	6444	
on	9615	3909	1422	13752	3843	244	- 13555	27367	14046	
adison	36672	4607	1560	15547	6298	18 0	, 8480	12260	6581	
shaska	61247	8563	2589	27677	8698	249	13471	19820	16609	
arion	102460	8022	26680	40392	13280	5403	8683	33362	10488	
arshall	108489	14978	4257	54364	13414	772	20704	30942	19357	
ills	40917	5529	1793	16724	5512	185	11174	21323	13810	
itchell	42842	5338	1358	15814	4616	163	15553	26637	10300	
	49999	7040	2150	16936	6234	291	17348	28645	10773	
onona	28321	4850	942	13403	5084	102	3940	4422	7334	
onroe	46389	6710	1925	18922	7698	507	10627	18453	11406	
ontgomery		12914	4186	43875	12731	13191	10935	- 1820	12299	
uscatine	97832	5799	2608	22255	6933	269	19429	37753	12386	
'Brien	57293	•	2000 871	9668	2893	90	31463	29237	10022	
sceola	48347	3362			9176	544	9874	18209	8570	
age	56892	8274	2820	26204	5299	179	20933	39432	17100	
Blo Alto	50806	6700	1536	16159		1219	20921	37878	23267	
lymouth	68496	7449	3683	26485	8739	252	22250	34107	16663	
ocahontas	47519	4305	1589	15148	3975		-29842	33016	161965	
olk	1015699	320462	189053	349696	138541	47789	45029	43046	69573	
ottawattamie	310702	29363	9217	105728	34859	86506		24013	12187	
owesh i ek	55483	6412	1646	22918	7571	294	16642		5955	
inggold	24506	4694	1311	7830	2684	200	7787	9748		
ac	47263	5123	1874	18785	5488	191	15802	30873	13702	
cott	425157	51391	18723	170302	57776	104603	22362	23596	74182	
helby	49426	4747	1944	17240	5819	203	19473	34591	14964	
ioux	80874	10245	3301	29748	10922	345	26313	40197	19601	
Story	230772	55539	29037	58893	30084	36371	20848	37184	34934	
ama	71310	7183	2768	23900	7015	9379	21065	34765	14524	
aylor	31498	4903	1461	11359	3905	155	9715	13222	6949	
nion	45050	6992	2957	19375	7726	751	7249	9667	7061	
an Buren	27336	3744	1362	11144	3587	515	6984	<i>7</i> 716	7634	
apello	115833	19881	5544	59315	22131	1709	7253	9834	11421	
arren	61935	8273	3539	30656	10398	407	8662	18123	15728	
ashington	60140	7315	2856	24983	6657	253	18076	26390	15913	
ayne	34344	5545	1441	12168	5632	184	9374	99 11	10102	
ebster	127796	15690	9811	58850	20055	1113	22277	44860	22540	
innebago	46273	4535	1573	16237	4954	212	18762	35014	10526	
linneshiek		8142	2948	20744	10046	287	16302	17820	4200	
loodbury	58469 277488	42742	27926	126212	49274	4313	27221	56893	55097	
lorth	277688 35714		992	11727	3314	122	16109	27156	7444	
iright	35714 59441	3450 5021	2487	23590	6412		21497	44738	15282	
itate of Iowa	90/2022	1579531	625853	3379877	1214633	832777	1310237	2696817	1808417	

			Direct Fede	ral Expenditu	res or Obli	igations		Other Fe	deral Assistan
County	Total	Grant Awards	Salaries/ Wages	Retirement/ Disability Payments	Other Payments	Procurement Contract Awards	Other	Direct Loans	Guaranteed Loans and Insurance
Adair	27449	3783	1090	10882	3514	107	8073	24156	13399
Adams	16502	1331	1211	7266	2405	107	4182	13412	8195
Allamakee	34962	4356	1652	1 <i>7</i> 232	5398	635	5689	5765	2538
Appanoose	45873	8292	2815	24179	6988	970	2629	4775	7917
Audubon	24364	1228	1365	10046	3330	122	8273	24230	9546
Benton	54138	3386	2303	25514	7762	300	14873	30253	14940
Black Hawk	351951	98450	18935	143468	51914	24967	14217	34420	30242
Boone	64409	3790	4542	34220	10956	656	10245	28397	14051
Bremer	71205	3424	1975	26102	8060	22614	9030	24595	5879
Buchanan	61055	5462	2229	23558	7394	795	21617	29371	8985
Buena Vista	85686	4578	3434	26225	8608	31267	11574	33692	22536
Butler	43568	2987	1780	20409	6690	198	11504	33638	11738
Calhoun	40658	3112	1619	18557	5299	197	11874	36941	11514
Carrol (54233	4959	3294	26804	8338	343	10495	32615	15409
Cass	44758	3137	2453	22332	7111	231	9494	25137	12462
Cedar	45310	2284	2864	19169	5550	211	15232	31869	11483
Cerro Gordo	122329	10074	7157	62165	18185	3324	21424	42386	14699
Cherokee	41364	3180	2316	18940	5501	1105	10322	28503	15787
Chickasaw	47218	2235	1692	15979	5545	4951	16816	27743	5638
Clarke	20005	1886	1144	9911	3622	371	3071	9238	6596
Clay	461 99	3441	3010	21117	6395	340	11896	32920	12459
Clayton	49112	4844	2857	23302	7967	279	9863	15457	3916
Clinton	120473	10113	5588	66191	22145	743	15693	32927	12720
Crawford	48764	3676	3290	19631	7242	2892	12033	35222	17829
Dallas	61003	5099	3276	34197	12203	645	5583	29819	17307
Davis	21959	2299	1108	10837	383 5	107	3773	8274	8315
Decatur	28060	6124	1278	11447	5654	256	3301	8193	6254
Delaware	134929	6270	1885	16746	5476	198	104354	19519	8432
Des Moines	149737	12310	7326	57275	15687	50224	6915	15775	12204
Dickinson	38895	2184	1584	21238	5779	179	7931	21948	8775
Dubuque	190136	26776	12697	93472	36117	12903	8171	7328	7504
Emmet	38411	3719	1618	15903	6427	487	10257	32781	9937
Fayette	79643	6471	3376	29211	11213	3695	25677	34220	69 24
Floyd	47966	4481	2007	24096	6593	224	10565	31583	8118
Franklin	41894	2300	1662	15305	4011	2118	16498	48711	14293
Fremont	31095	5190	1205	12775	4394	129	7402	29941	11288
ireene	38101	3511	1669	16454	4343	300	11824	36771	13508
irundy	37577	1587	1474	16439	4422	167	13488	32181	10244
iuthrie	34153	2334	1710	1 69 26	5378	215	7590	22946	10651
lamilton	48614	4334	2220	21265	7646	221	12928	38390	14827
lancock	36302	1519	1782	14771	3931	156	14143	40875	13056
lardin	61226	3361	2740	28982	9908	301	15934	43452	16995
larrison	45575 47820	4285	2546	20682	7939	357	9766	33609	14106
enry	43829	3092	25%	22947	6517	345	8333	17423	13131
oward	31368	2273	1066	12664	4944	1250	9171	23052	6102
umboldt	35291	3389	1813	15165	4541	167	10216	25863	11727
da	24257	1550	1189	11146	2908	453	7011	27080	13957
OM8	42330	5003	2061	18063	4505	1387	11311	22999	8520
ackson	55495	7024	2680	24630	9186	490	11485	10070	6679
asper	75307	5563	3357	40966	12737	380	12304	32401	21299

Table 5. Federal Funds (in \$1,000s) Received from Selected Programs in Iowa's Counties, 1986 (continued).

			Direct Fede	ral Expenditu	res or Obli	gations		Other Federal Assistance		
County	Total	Grant Awards	Salaries/ Wages	Retirement/ Disability Payments	Other Payments	Procurement Contract Awards	Other	Direct Loans	Guaranteed Loans and Insurance	
	36334	3727	2774	17211	5042	417	7163	14178	14269	
efferson	239721	71092	33564	56715	17688	50401	10261	18092	22550	
ohnson	45557	3520	1934	20267	6613	233	12990	21218	5903	
lones	42585	4971	2112	18417	5896	232	10957	25317	14313	
eokuk	60709	3594	2492	24140	6854	273	23356	68343	32164	
ossuth	84922	8430	4532	50997	15172	613	5178	11613	9773	
e e	733470	33069	35451	164279	52657	388541	594 73	18942	41615	
inn	27869	2278	1336	12788	3410	176	7881	19721	8930	
ouisa		2866	1441			173		7397	55 9 5	
ucas	26813			14333	5155		2845			
yon	32489	4061	1374	13427	36 55	323	9649	27252	13788	
adison	31129	2843	1466	14910	6022	154	5734	13686	8694	
ahaska	53242	5037	2530	27174	8368	268	9865	21116	11133	
arion	94096	4745	26386	38857	12808	5015	6285	16242	9517	
iarshail	96279	12794	4115	52869	12667	995	12839	34206	18200	
ills	34450	4896	1715	15807	5181	165	6686	23282	10673	
itchell	33075	2162	1400	15586	4170	160	9597	25655	9499	
lonona	39066	3299	2530	16163	5765	416	10893	28821	7500	
onroe	24308	2408	1126	13524	4839	95	2316	5342	8279	
ontgomery	36738	2813	1936	18235	7305	254	6195	20304	11025	
uscatine	94576	9385	4064	42408	12085	18388	8246	14122	12508	
'Brien	46101	3093	2425	21398	6618	268	12299	38548	10403	
sceola	34250	2279	890	9663	2661	88	18669	26671	8197	
age	48035	4098	2875	25931	8671	464	5996	20567	9354	
alo Alto	38821	3371	1474	15966	5071	231	12708	42164	14445	
lymouth	54734	3521	3494	25586	8240	831	13062	32435	20787	
ocahontas	36024	1945	1599	14700	3528	148	14104	40821	15500	
olk	1054220	277190	173678	333008	138829	60508	71007	23014	84858	
ottawattamie	230455	27145	8572	102025	33728	21858	37127	42062	520 29	
oweshiek	46089	3702	1742	21828	7106	<i>7</i> 59	10952	25690	10063	
inggold	16863	1789	1255	7601	2640	126	3452	11342	7376	
Sac	39420	1976	2068	18298	5175	216	11687	33524	17122	
cott	334169	35527	19092	158002	53466	45789	22293	17166	49245	
helby	40663	4775	1985	16560	5545	190	11608	34718	14711	
Sioux	66940	5745	3207	28941	10548	3466	15033	37579	16135	
Story	191710	48011	28715	56563	21605	24180	12636	36585	21639	
ama	58608	4756	2745	23135	6693	7488	13791	30924	15328	
aylor		3188	1433	11039	3770	156	4935	18475	9224	
•	24521		2974	19124	7154	412	3717	12257	7393	
hion (an Dunne	37971	45 9 0		10890	3411	313	4207	9202	7042	
an Buren	22401	2164	1416		19452	801	4548	10075	9338	
apello	100660	12082	5929 7504	57848 20302	10038	830	6098	16513	10560	
arren	55878	5926	3594	29392	6164	249	11243	25254	14332	
ashington	47623	3218	2758	23991			4482	13091	9943	
ayne	27262	3705	1445	12058	5377	195	15196	46371	18814	
ebster 	119319	17599	9462	57009	19050	1003			10443	
innebago	36525	2035	1482	15892	4663	301	12152	37332 10548		
linneshiek	45985	4040	2851	19955	9398	294	9447	10568	2858	
loodbury	253671	31323	27125	121721	47042	7920	18540	46982	47758	
lorth	27647	1503	1039	11489	2991	127	10498	28357	7655	
right	48514	3035	2397	22960	6071	327	13724	43470	13627	
	8343504	1214740	602538	3257476	1148928	821909	1297913	2579473	1533450	

		Other Federal Assistance							
County	Total	Grant Awards	Salaries/ Wages	Retirement/ Disability Payments	Other Payments	Procurement Contract Awards	Other	Direct Loans	Guaranteed Loans and Insurance
Adair	22705	1512	1022	10651	3914	102	5504	8879	4028
Adams	14994	1064	1261	6910	2695	99	2965	2713	_ _
Allamakee	32638	3145	1502	16536	7437	329	3689	2127	4894
Appanoose	42909	4933	2617	23776	8061	1841	1681	1292	1414
Audubon	22761	1466	1369	9614	3930	138	6244	9646	3227 2142
Benton	49423	3085	2251	24912	8383	249	10543	15869	5989
Black Hawk	321453	66800	18919	137685	43573	44820	9656	13600	29294
Boone	62375	5876	4324	33233	10530	340	8072	11610	2115
Bremer	61782	2237	1940	24333	8911	18439	5922	10526	
Buchanan	51585	3373	2203	22298	7844	259	15608	17089	4199
Buena Vista	50281	3044	3369	25003	9452	256	9157	11734	5345
Butler	40134	2780	1660	19581	7113	183	8817	16603	4537
Calhoun	37048	2317	1638	17941	6170	222	8760	14317	2847
Carroll	49565	4674	3195	25127	8456	347	7766	10613	2516
Cass	42217	3758	2388	21496	7670	201	6704		3155
Cedar	40604	2577	2363	18571	6306	294	10493	9319 11047	2746
Cerro Gordo	112285	9352	7279	59 69 1	19002	5431	11530	11967	2179
Cherokee	38865	2419	2359	18096	6142	2093	7756	22987	4259
hickasaw	50668	5014	1705	15276	6169	146	22358	12181	3662
larke	19171	1776	1112	9746	3670	88		15888	2733
lay	42470	2947	2937	20258	6897		2779	2170	2377
layton	49625	5166	2910	22706	10292	443 1500	8988	14351	3285
linton	106786	5720	5459	64326	18631		7051	6341	4837
rawford	44997	3537	3169	18943		656	11994	11980	5308
allas	58974	4704	3118	33313	7200	3340	8808	19563	3855
avis	20191	2144	1162	10314	10235	426	7178	12775	3239
ecatur	25983	5014	1258	11146	3800 5470	102	2669	2789	2145
elaware	37533	3328	1793	15897	5630	325	2610	2161	2418
es Moines	157490	6684	7244	54742	7464	473	8578	8611	3765
ickinson	34757	1765	1559	20384	17060	66587	5173	7316	4906
ubuque	169494	21210	12068		5471	265	5313	9133	2681
mnet	32528	2268	1811	89720	30855	9932	5709	3209	6280
ayette	60906	3709	3405	15232	5783	150	7284	13410	1863
loyd	45942	4378	2038	28517	12551	1749	10975	17491	2939
ranklin	38720	23%	1562	24127	7473	203	7723	17449	3092
remont	27156	4001	1249	14467	5115	3794	11386	26658	2156
reene	33459	1593		12237	4211	132	5326	8271	2162
rundy	32923	1957	1688	15830	5567	293	8488	12171	1176
uthrie	32549		1435	15915	4918	192	8506	13974	1513
milton	43117	2261 3396	1702	16462	6164	189	5771	9292	3891
ncock	35279	3081	2111	20634	6707	212	10057	18053	2925
ardin	55613	3993	1755	14214	5346	356	10527	18822	5324
rrison	41127		2713	27849	10007	307	10744	20939	2900
mry	43221	3588 3374	2533	20067	7200	660	7079	11489	4284
mm y ward	28976		2416	22205	7424	2143	5659	7870	4804
mboldt		2142	1054	12459	5723	1663	5935	12465	2514
imbolat Ia	31199 24315	2881 1787	1635	14897	4499	146	7141	9958	2721
	24315 38857	1783	1146	10502	4017	102	6765	12784	2142
wa ekeen	38857 47747	5023	2134	17221	5529	675	8275	11120	6060
ckson	47743	6236	2685	24081	8582	349	5810	5603	2692
sper	67571	4390	3253	39254	11325	365	8984	15405	6997

Table 6. Federal Funds (in \$1,000s) Received from Selected Programs in Iowa's Counties, 1985 (continued).

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				Retirement/		Procurement			Guaranteed	
		Grant	Salaries/	Disability	Other	Contract		Direct	Loans and	
ounty	Total	Awards	Wages	Payments	Payments	Awards	Other	Loans	Insurance	
lefferson	33204	2287	2750	16482	6800	463	4422	7141	2598	
iohnson	204229	66710	32490	53587	20398	24211	6833	8114	12626	
iones	41226	3296	2023	19541	6931	244	9191	10263	2192	
(eokuk	38450	2896	2129	17629	7025	219	8552	13698	2262	
Cossuth	54295	3120	2485	23376	7844	335	17135	38598	3595	
.ee	80811	7965	3794	49338	15568	349	3797	4888	4697	
inn	581954	26429	34242	156767	49463	277312	37741	10517	22118	
ouisa	29288	4316	1412	12363	4101	194	6902	12272	2337	
ucas	27928	4660	1531	14007	5232	559	1939	2562	3841	
	27993	1223	1421	13490	4772	196	6891	12473	2691	
.yon tadison	27046	1937	1386	14473	5083	160	4007	4735	3018	
tahaska	52936	5820	2477	26434	10641	862	6702	9118	3507	
larion	89001	5145	26497	37318	11184	4397	4460	4675	2037	
	91083	11066	4156	50971	14851	731	9308	15882	3521	
Marshall	31150	4992	1736	14895	4110	151	5266	6231	3544	
lills	31376	2070	1448	14894	5855	161	6948	14019	745	
fitchell	33505	2073	2456	15872	5253	444	7407	9801	2252	
tonona .	22549	2259	950	13259	4519	91	1471	1612	3103	
fonroe		5510	1910	17979	6116	609	4884	6381	3621	
Nontgomery	37008			40325	13416	13377	5748	5696	7512	
uscatine	82529	5660	4003		7726	263	9011	17270	1311	
O'Brien	43905	3865	2380	20660			6561	14838	2339	
Osceola	21248	966	908	9245	3480	88		4068	2482	
°age	45321	3238	2975	24721	9194	432	4761	19060	1393	
Palo Alto	35687	2999	1498	15294	5430	227	10239			
Plymouth	50629	4341	3318	24346	8814	288	9522	14416	3973	
Pocahontas	33622	1506	1778	13970	5320	327	10721	18021	1994	
Polk	1152017	444080	166101	318194	107723	40191	75728	12282	43290	
Pottawattamie	275241	25388	8697	98151	25628	103960	13417	17381	25309	
Powesh i ek	48078	<i>7</i> 566	1700	20987	7376	564	9885	13316	3504	
Ringgold	16450	1697	1373	7508	3198	104	2570	2740	6669	
Sac	36349	2017	1867	17745	658 6	201	7933	13053	3019	
Scott	293056	26138	17651	151250	42828	48410	6779	8524	31702	
Shelby	36189	3860	1993	15839	5715	186	8596	16464	2806	
Sioux	57295	3773	3195	27212	11042	574	11499	18638	2911	
Story	167973	27590	29145	54216	23794	23214	10014	18864	6156	
Tama	48352	3741	2788	22331	8338	95 0	10204	17013	4474	
Taylor	22534	1418	1483	10710	4871	143	3909	4830	3634	
Union	36226	3294	2992	18709	7448	708	3075	2537	4514	
Van Buren	21728	2066	1366	10695	4593	153	2855	3490	1574	
apello	93201	9135	6119	56321	17909	539	3178	4284	3102	
Harren	48542	4449	3580	27879	7916	715	4003	3859	4255	
Washington	48532	5878	2740	23207	7719	293	8695	12891	1525	
Wayne	25088	2306	1491	12504	5138	199	3450	3045	2297	
kebster	104795	11266	8634	55068	17377	1086	11364	16348	2665	
Winnebago	32348	1173	1499	15165	5400	341	8770	32798	3216	
linneshiek		3880	2767	19526	11043	252	6089	6415	3003	
Moodbury	43557		26457	116366	39950	4600	15825	26618	21839	
locabury lorth	225872	22674	1031	11266	3735	126	7556	17546	1268	
worth Wright	25192 44851	1478 2386	2385	22053	7214	230	10583	17685	1362	
State of Iowa		1101955	586679	3133160	1097861	728035	876972	1159553	1238313	

		Direct Federal Expenditures or Obligations										
County	Total	Grant Awards	Salaries/ Wages	Retirement/ Disability Payments	Other Payments	Procurement Contract Awards	Other	Direct Loans	Guaranteed Loans and Insurance			
Adeir	16637	1612	981	10162	3508	105	269	2345	11006			
Adams	11758	1137	1178	6529	2495	105	314	738				
Allamakee	32219	5848	1452	15681	6261	2337	640	557	8963			
Appanoose	40589	6307	2765	22609	7443	1069	396	457	1705			
Audubon	17433	2853	1308	9213	3572	137	350	1613	7495 12050			
Benton	45122	2836	2172	23811	7610	6532	2161	5447	12958			
Black Hawk	260942	48600	17688	127326	41380	24139	1809	3111	15044			
Boone	51027	4622	4248	31594	9795	614	154	2139	44322			
Bremer	42926	3719	1900	22977	8087	5438	805		10777			
Buchanan	47217	12436	2063	21117	6969	306	4326	1543	5064			
Buena Vista	40697	2535	3114	23924	9002	251		3008	11567			
Butler	34332	6240					1871	1909	36218			
Calhoun	29803	3541	1589	18866	6192	190	1255	3138	5799			
Carroll	29003 38405	2720	1604	17120	5639	212	1687	2474	12121			
Cass	33186		3030	23928	7737	358	632	995	24182			
cedar Cedar		2737	2222	20556	6982	215	474	2238	10891			
	31785	3419	2700	17713	5598	816	1539	1341	6978			
Cerro Gordo	96393	9163	6863	56327	17869	5156	1015	6874	22564			
Cherokee	30555	4096	2059	17151	5562	232	1455	2479	22303			
Chickesew	44673	3187	1659	14409	5373	198	19847	4548	3521			
:larke	15973	1550	1086	9390	3368	87	492	911	8545			
Clay	33158	2933	3170	18692	6335	274	1754	2361	13820			
layton	39307	3520	2746	21913	8686	1620	822	842	3639			
linton	92042	7239	5305	60400	16993	550	1555	2063	7317			
rawford	35953	2877	3097	18211	6483	4422	863	2584	31322			
allas	50394	4925	2956	31645	9414	346	1108	2129	18258			
Pavis	17259	2049	1098	99 19	3459	108	626	1079	7128			
ecatur	24994	6033	1272	10706	5251	1062	670	570	6637			
elaware	26412	2873	1710	15378	6119	285	47	1493	4720			
es Moines	158722	7748	6788	51684	15716	76220	566	2486	9415			
ickinson	28153	1331	1347	19228	5031	223	993	1938	9242			
opodne	160748	19060	11423	84550	28548	15294	1873	278	11487			
mmet	25881	2818	1676	14475	5539	146	1227	2866	7841			
ayette	47679	5024	3380	27237	10730	586	722	3135	3589			
loyd	37227	3774	1965	22825	6884	279	1500	4509	8016			
ranklin	27147	3461	1501	14141	4708	2932	404	5149	9251			
remont	20920	3253	1158	11509	3713	131						
reene	24221	2085	1477	15246	5090	227	1156	4429	12624			
rundy	22979	1695	1474	15060	4545		96	1845	6197			
uthrie	25798	2474	1609	15583	5701	172	33	2667	4045			
milton	30408	2390	1938	19568		183	248	1364	6505			
encock	24538	2109	1676	13341	6074	205	233	2492	5705			
erdin	43492	4556	2563		4671	1408	1333	3640	6937			
errison	38440	5600	2251	26331	9268	297	477	4083	14722			
enry	35079	3539		19094	6539	4550	406	1664	82 <i>6</i> 9			
oward	22843	2455	2418	21314	6945	311	552	1742	9197			
umboldt	21790		1047	11882	4801	1464	1194	2872	3892			
ia .	18097	1503	1688	14162	4112	168	157	1264	37726			
XNB	26596	2038	1095	9826	3642	101	1395	2043	30510			
ickson		2563	1943	16216	5019	504	351	1194	10563			
	38022	4684	2553	22719	7507	273	286	617	6536			
sper	56924	457 9	3128	37000	10340	628	1249	2286	13347			

Table 7. Federal Funds (in \$1,000s) Received from Selected Programs in Iowa's Counties, 1984 (continued).

	Direct Federal Expenditures or Obligations							Other Federal Assistanc	
county	Total	Grant Awards	Salaries/ Wages	Retirement/ Disability Payments	Other Payments	Procurement Contract Awards	Other	Direct Loans	Guaranteed Loans and Insurance
Jefferson	31175	4726	2600	16018	6757	334	740	2381	8357
Johnson	186947	62877	29996	49904	19529	23922	719	1456	19459
Jones	30122	2516	1884	18529	6189	214	790	1694	5178
Keokuk	28519	1958	2031	16831	6330	220	1149	2323	11918
Kossuth	40812	6026	2288	22139	7123	1214	2022	8503	28634
Lee	72739	6354	3685	46890	14452	637	721	1014	13366
Linn	469553	25662	31503	147029	46610	200887	17862	4140	73262
Louisa	22943	5260	1496	11650	3876	173	488	1873	3686
Lucas	28445	7935	1347	13534	4760	-63	932	718	9912
Lyon	20884	1335	1270	12399	4234	200	1446	1923	30732
Lyu: Madison	22448	2164	1298	13639	4652	167	528	690	12196
	51081	12225	2447	25006	9861	298	1244	1145	4120
Mahaska Marion	81257	5097	25185	35646	10210	4513	606	2277	3934
	79585	12409	3899	48082	13680	786	729	2179	11003
Marshall	23931	3928	1695	14235	3719	110	244	1758	15075
Mills		1573	1393	14249	5393	164	1392	3058	19510
Mitchell	24164						862	2503	9542
Monona	26729	3045	2310	15323	4811	378		2505 318	10304
Monroe	22800	4443	912	12652	4116	93	584		
Montgomery	29907	4265	1703	17113	5544	938	344	1299	7760
Muscatine	78165	5416	3819	38007	12394	18190	339	1522	12386
O'Brien	32825	2063	2232	19693	7049	283	1505	3953	9791
Osceola	15114	10 3 6	902	8868	3083	90	1135	3245	17294
Page	41238	4707	2766	23797	8489	341	1138	1528	11493
Palo Alto	28821	5454	1496	14936	4999	221	1715	2987	12996
Prymouth	~3967 0	7527Y	3006	7252094	77996	39%	1785	2315	39059
Pocahontas	23577	1891	1526	13592	4682	146	1740	2857	12400
Polk	1073210	457 869	155463	301147	101415	33100	24216	2451	85983
Pottawattamie	179315	23633	8366	93745	24146	26025	3400	4200	58824
Poweshiek	36251	5721	1600	19938	6796	394	1802	2128	4073
Ringgold	14922	2647	1130	7160	2902	132	951	980	7951
Sac	28416	1811	1738	16736	6081	191	1859	2481	34238
Scott	270261	24418	16799	142539	39927	45354	1224	676	44319
Shelby	25658	2863	1806	15023	5175	179	612	2536	12806
Sioux	46872	5614	2965	25909	10114	284	1986	2465	10713
Story	147656	25472	27266	50988	21624	22247	59	2887	22772
Tame	38268	3916	2617	21134	7653	1229	1719	3080	7585
Taylor	19514	1834	1356	10315	4465	146	1398	2180	8628
Union	32226	4342	2853	17404	6949	290	388	1283	6841
Van Buren	19404	2037	1277	10313	4280	168	1329	762	9198
Wapello			6031	53962	16873	648	1565	964	14033
Warren	90457	11378		26125	7278	312	1159	528	11676
	42509	4386	3249		7031	221	531	2920	8657
Washington	35837	3440	2626	21988	4576		1007	1368	9354
Wayne Unbodo	21950	3255	1369	11586			1577	4793	25602
Webster	87649	8251	8192	52350	16225	1054			3382
Winnebago	23160	1282	1417	14399	5053		775 1172	5682 481	3362 4344
Winneshiek	37023	4414	2795	18718	9692		1132	681 1227	
Woodbury	213384	29473	24146	109641	37609		6701	12244	54155
Worth	17480	1004	969	10856	3397		1109	3867	10200
Wright	34395	4266	2214	21062	6598	232	23	3411	2618
State of Iowa	6308386	1115623	552061	2966809	929363	557141	187389	239773	1601574

	Direct Federal Expenditures or Obligations								Other Federal Assistanc		
	Retirement/ Procurement								Guaranteed		
County	Total	Grant Awards	Salaries/ Wages	Disability Payments	Other Payments	Contract Awards	Other	Direct Lo an s	Loans and Insurance		
Adair	19016	325	671	9884	3095	2	5039	12653	23337		
Adams	11971	153	742	6278	2220	1	2577	5591	15942		
Allamakee	27708	2828	1029	15147	5143	126 9	2292	3584	3989		
Appanoose	33516	689	2013	21847	6083	1192	1692	2376	5805		
Nudubon	17973	279	926	8904	3246	24	4594	12588	37864		
Benton	38180	416	1451	22712	6512	6	7083	27128	20831		
Black Hawk	230061	7254	17252	119273	31539	48649	6094	28272	55906		
Boone	50350	491	3622	31060	8591	118	6468	22965	36287		
Bremer	45939	526	1416	21807	6786	11349	4055	15797	7106		
Buchanan	43034	983	1562	20026	5467	58	14938	22096	15801		
luena Vista	44780	6679	2159	23081	8060	309	4492	15096	52695		
Butler	30987	269	999	18002	5324	5	6388	24087	11556		
alhoun	28659	209	1098	16609	5194	133	5416	21512	22875		
Carroll	38576	725	2463	22938	7049	30	5371	13787	46635		
Cass	33942	507	1590	20029	6278	346	5192	13997	29542		
edar	29926	275	2140	17126	5028	182	5175	18559	7985		
erro Gordo	91075	1344	6535	54279	15493	3020	10404	38414	33646		
herokee	28902	723	1588	16878	5008	106	4599	16041			
hickasaw	29121	324	1178	13952	4471	2	9194	19381	39099		
larke	15510	206	841	9088	2875	51	2449		5103		
lay	32374	566	2642	18425	5487	51 51	_	5249	13119		
layton	36600	2034	1854	21162			5203	19294	22056		
linton	82998	1341	4374	_	6888	1079	3583	7152	6929		
rawford	35753			58653	13860	376	4394	13732	18451		
allas	46362	354	2382	17356	5655	3400	6606	22045	69318		
actes		1397	2151	30421	8228	16	4149	16268	45297		
	15604	219	775	9714	2808	3	2085	5570	7144		
ecatur	19827	1663	935	10536	4756	43	1894	4352	6568		
elaware	25836	371	1127	14769	4615	50	4904	12811	6544		
es Moines	132185	903	6532	49871	13326	57933	3620	13132	13026		
ickinson	27017	-9	976	18212	4564	146	3128	11800	13157		
npridne	138830	9582	10256	80765	22526	11504	4197	528 9	13731		
nme t	27375	708	1154	14272	4866	2000	4375	16289	11737		
ayette	48341	1585	2486	26507	8859	577	8327	22782	5068		
l oyd	35138	500	1434	21660	5912	86	5546	21358	14114		
ranklin	29231	273	1031	13399	4219	1048	9261	31301	15391		
remont	21583	1051	874	11187	3444	4	5023	14618	26479		
reene	27168	203	1128	14623	4613	28	6573	23541	19987		
rundy	25920	230	870	14303	4037	5	6475	19995	10163		
uthrie	25976	291	1011	14932	5039	10	4693	13820	24537		
milton	33940	614	1481	18885	5461	8	7491	25680	16261		
encock	25417	324	1140	12859	4659	103	6332	22019	22620		
erdin	45915	1850	1812	25362	8452	8	8431	29070	26427		
errison	33819	980	1807	18572	5773	320	6367	18428	28607		
enry	32599	538	1793	20341	6148	95	3684	10025	11098		
oward	25452	644	655	11642	3982	2493	6036	16804	6339		
umbol dt	23782	246	1273	13708	3690	3	4862	13786	17772		
de	17765	620	755	9385	3317	4	3684	13472	59058		
OMB	34299	304	1187	15661	4530	5852	6765	18948	16722		
eckson	33635	882	1769	22009	5883	4	3088	7494	9439		
asper	71022	18661	2646	35194	8689	38	5794	23505	43123		

Table 8. Federal Funds (in \$1,000s) Received from Selected Programs in Iowa's Counties, 1983 (continued).

		I	Other Fed	deral Assistanc					
county	Total	Grant Awards	Salaries/ Wages	Retirement/ Disability Payments	Other Payments	Procurement Contract Awards	Other	Direct Loans	Guaranteed Loans and Insurance
									
jefferson	29560	2368	2230	15708	5818	33	3403	10311	11569
Johnson	166706	52972	27469	47532	19530	14761	4442	10247	24734
jones	30977	301	1312	17846	5182	2234	4102	10412	13348
(eokuk	29846	273	1173	16390	5649	2	6359	20664	16204
(ossuth	43319	513	1639	21595	6365	7	13200	47516	54327
.ee	66224	2751	2960	45664	11812	806	2231	4843	16534
.im	393057	9104	29517	141467	37587	171005	4377	16132	39755
ouisa	21606	242	1021	11071	3370	2	5900	21463	4925
Lucas	20045	347	1071	12949	4062	-41	1657	3893	11260
Lyon	20409	262	822	11784	3547	238	3756	11446	36582
Madison	22008	512	842	12957	4145	25	3527	8106	26530
lahaska	39815	553	1701	24697	8559	836	3469	11255	11612
larion	76601	264	23279	34101	8816	6590	3551	8852	16547
Marshall	71181	2959	3120	45950	11623	193	7336	29863	23000
Mills	23549	568	1302	13580	3247	418	4434	12257	32067
Mitchell	24699	232	841	13939	4748	2	4937	18293	32184
Monona	28113	299	1675	14801	4255	8	7075	24178	29216
Monroe	19378	327	6 96	12461	3532	296	2066	2980	14378
Montgomery	28316	324	1442	16478	5018	1346	3708	9412	18621
Muscatine	66816	812	3126	36955	10886	11950	3087	9892	16254
O'Brien	32419	442	1781	18741	6373	41	5041	14947	14825
Osceola	16974	192	683	8463	2732	529	4375	19219	24294
Page	37465	1474	2270	22929	7453	117	3222	8956	24166
Palo Alto	27253	1074	944	14076	4375	20	6764	27924	19996
Plymouth	37420	1059	2419	22230	7021	82	4609	13103	76478
Pocahontas	24785	305	1070	13103	4316	4	5987	20913	33142
Polk	1483817	811100	145466	289138	184703	24658	28752	21162	96863
Pottawattamie	186242	4121	7610	90420	20188	54382	9521	30044	115409
Poweshiek	31748	379	1181	19114	6044	430	4600	24558	18052
Ringgold	12714	180	687	6969	2504	8	2366	5925	12170
Sac	28166	305	1183	16045	5480	37	5116	19156	56150
Scott	236666	8392	14173	136064	29528	46291	2218	5306	50937
		784	1231	14169	4604	8	6468	17605	50560
Shelby Sieuw	27264			24845	9213	1516	6350	22892	26929
Sioux	450 69	881	2264	48567	20011	21929	7802	30385	42465
Story	148168	24414	25445		6856	1207	7406	25264	13118
Tame	391 69	1483	1697	20520		2	3354	9678	17037
Taylor	18556	320	837	10045	3998	67	2648	7059	14063
Union	29553	963	2404	17430	6041	2	2339	8799	8522
Van Buren	17041	224	724	10031	3721		2504	8350	12900
Wapello	75954	1323	5569	52278	14132	148 55	2504 3274	7309	25071
Warren	37003	455	2417	24747	6055	55 37		17325	11573
Washington 	35822	363	2000	21161	6478	23	5797 2580		6036
Wayne	18967	210	762	11366	4000	40	2589	5431 27101	42238
Webster	80370	1028	8079	50382	13647	236	6998	23101	
Winnebago	35077	7190	1061	14108	4156	4	8558	34459	17363 5115
Vinneshiek	33224	1210	2264	18463	7714	15	3558	6776	5115
Woodbury	187297	7017	23988	105578	32333	4199	14182	36403	105217
Worth	20426	255	629	10320	3028	2	6192	25795	14727
Vright 	35205	336	1574	20141	5978	5	7171	22762	7508
	6571085				1104625	520906	548626	1646175	1608200

Table 9. Per Capita Federal Funds (in \$s) Received from Selected Programs in Iowa's Counties, 1990.

Adair Adams Allamakee Appanoose Audubon Benton Black Hawk Boone Bremer Buchanan Buena Vista Butler Calhoun Carroll Cass Cedar Cerro Gordo Cherokee Chickasaw Clarke Clay Clayton Clinton Crawford Dallas Davis Decatur Delaware Des Moines Dickinson Dubuque Emmet Fayette Floyd Franklin Fremont Greene Grundy	Payments 1483 1598 1466 1970 1633 1353 1458 1598 1351 1360 1563 1562 1879 1525 1768 1272	1996 1665 541 474 2247 2049 500 1405 811 914 1828 1248 2241 1129	Jefferson Johnson Jones Keokuk Kossuth Lee Linn Louisa Lucas Lyon Madison Mahaska Marion	1247 744 1292 1772 1517 1568 1229 1305 1764 1341 1413 1503	1202 477 1478 2117 3215 452 501 1581 745 2137 957
Adams Allamakee Appanoose Audubon Benton Black Hawk Boone Bremer Buchanan Buena Vista Butler Calhoun Carroll Cass Cedar Cerro Gordo Cherokee Chickasaw Clarke Clay Clayton Clinton Crawford Dallas Davis Decatur Delaware Des Moines Dickinson Dubuque Emmet Fayette Floyd Franklin Frement Greene Grundy	1598 1466 1970 1633 1353 1458 1598 1351 1360 1563 1562 1879 1525 1768 1272	1665 541 474 2247 2049 500 1405 811 914 1828 1248 2241	Johnson Jones Keokuk Kossuth Lee Linn Louisa Lucas Lyon Madison Mahaska	744 1292 1772 1517 1568 1229 1305 1764 1341 1413	477 1478 2117 3215 452 501 1581 745 2137 957
Allamakee Appanoose Audubon Benton Black Hawk Boone Bremer Buchanan Buena Vista Butler Calhoun Carroll Cass Cedar Cerro Gordo Cherokee Chickasaw Clarke Clay Clayton Ciinton Crawford Dallas Davis Decatur Delaware Des Moines Dickinson Dubuque Emmet Fayette Floyd Franklin Fremont Greene Grundy	1466 1970 1633 1353 1458 1598 1351 1360 1563 1562 1879 1525 1768 1272	541 474 2247 2049 500 1405 811 914 1828 1248 2241	Jones Keokuk Kossuth Lee Linn Louisa Lucas Lyon Madison Mahaska	1292 1772 1517 1568 1229 1305 1764 1341	1478 2117 3215 452 501 1581 745 2137 957
Appanoose Audubon Benton Belack Hawk Boone Bremer Buchanan Buena Vista Butler Calhoun Carroll Cass Cedar Cerro Gordo Cherokee Chickasaw Clarke Clay Clayton Clinton Crawford Dallas Davis Decatur Delaware Des Moines Dickinson Dubuque Emmet Frayette Floyd Franklin Fremont Greene Grundy	1970 1633 1353 1458 1598 1351 1360 1563 1562 1879 1525 1768 1272	474 2247 2049 500 1405 811 914 1828 1248 2241 1129	Keokuk Kossuth Lee Linn Louisa Lucas Lyon Madison Mahaska	1772 1517 1568 1229 1305 1764 1341 1413	2117 3215 452 501 1581 745 2137 957
Audubon Benton Black Hawk Boone Bremer Buchanan Buena Vista Butler Calhoun Carroll Cass Cedar Cerro Gordo Cherokee Chickasaw Clarke Clayton Clinton Crawford Dallas Davis Decatur Delaware Delaware Des Moines Dickinson Dubuque Emmet Fayatte Floyd Franklin Fremont Greene Grundy	1633 1353 1458 1598 1351 1360 1563 1562 1879 1525 1768 1272	2247 2049 500 1405 811 914 1828 1248 2241	Kossuth Lee Linn Louisa Lucas Lyon Madison Mahaska	1517 1568 1229 1305 1764 1341 1413	3215 452 501 1581 745 2137 957
Benton Black Hawk Boone Bremer Buchanan Buena Vista Butler Calhoun Carroll Cass Cedar Cerro Gordo Cherokee Chickasaw Clarke Clay Clayton Clinton Crawford Dallas Decatur Delaware Des Moines Dickinson Dubuque Immet Esyette Floyd Franklin Fremont Greene Grundy	1353 1458 1598 1351 1360 1563 1562 1879 1525 1768 1272	2049 500 1405 811 914 1828 1248 2241	Lee Linn Louisa Lucas Lyon Madison Mahaska	1568 1229 1305 1764 1341 1413	452 501 1581 745 2137 957
Black Hawk Boone Bremer Buchanan Buena Vista Butler Calhoun Carroll Cass Cedar Cerro Gordo Cherokee Chickasaw Clayton Clinton Crawford Dallas Decatur Delaware Delaware Delaware Delaware Des Moines Dickinson Dubuque Emmet Esyette Eloyd Franklin Erement Ereme	1458 1598 1351 1360 1563 1562 1879 1525 1768 1272	500 1405 811 914 1828 1248 2241	Linn Louisa Lucas Lyon Madison Mahaska	1229 1305 1764 1341 1413	501 1581 745 2137 957
Boone Bremer Buchanan Buena Vista Butler Calhoun Carroll Cass Cedar Cerro Gordo Cherokee Chickasaw Clayton Clinton Crawford Dallas Decatur Delaware Delaware Des Moines Dickinson Dubuque Emmet Esyette Eloyd Franklin Eremont Ereme Ereme	1598 1351 1360 1563 1562 1879 1525 1768 1272	1405 811 914 1828 1248 2241 1129	Louisa Lucas Lyon Madison Mahaska	1305 1764 1341 1413	1581 745 2137 957
Bremer Buchanan Buena Vista Butler Calhoun Carroll Cass Cedar Cerro Gordo Cherokee Chickasaw Clarke Clay Clayton Clinton Crawford Dallas Davis Decatur Delaware Des Moines Dickinson Dubuque Emmet Esyette Eloyd Franklin Eremont Ereme Ereme	1351 1360 1563 1562 1879 1525 1768 1272	811 914 1828 1248 2241 1129	Lucas Lyon Madison Mahaska	1764 1341 1413	745 2137 957
Buchanan Buena Vista Butler Calhoun Carroll Cass Cedar Cerro Gordo Cherokee Chickasaw Clarke Clayton Clinton Crawford Dallas Decatur Delaware Delaware Des Moines Dickinson Dubuque Emmet Fayette Floyd Franklin Fremont Greene Grundy	1360 1563 1562 1879 1525 1768 1272 1622	914 1828 1248 2241 1129	Lyon Madison Mahaska	1341 1413	2137 957
Buena Vista Butler Calhoun Carroll Cass Cedar Cerro Gordo Cherokee Chickasaw Clarke Clayton Clinton Crawford Dallas Davis Decatur Delaware Des Moines Dickinson Dubuque Emmet Fayette Floyd Franklin Fremont Greene Grundy	1563 1562 1879 1525 1768 1272 1622	1828 1248 2241 1129	Madison Mahaska	1413	957
Butler Calhoun Carroll Cass Cedar Cerro Gordo Cherokee Chickasaw Clarke Clay Clayton Clinton Crawford Dallas Decatur Delaware Des Moines Dickinson Dubuque Immet Esyette Floyd Franklin Fremont Greene Grundy	1562 1879 1525 1768 1272 1622	1248 2241 11 <i>2</i> 9	Mahaska	· -	
Calhoun Carroll Cass Cedar Cerro Gordo Cherokee Chickasaw Clarke Clay Clayton Clinton Crawford Dallas Davis Decatur Delaware Des Moines Dickinson Dubuque Emmet Fayette Floyd Franklin Fremont Greene Grundy	1879 1525 1768 1272 1622	2241 112 9		1503	
Carroll Cass Cedar Cerro Gordo Cherokee Chickasaw Clay Clayton Clinton Crawford Dallas Davis Decatur Delaware Des Moines Dickinson Dubuque Emmet Fayette Floyd Franklin Fremont Greene Grundy	1525 1768 1272 1622	1129	Marion		1155
Cass Cedar Cedar Cerro Gordo Cherokee Chickasaw Clarke Clay Clayton Ciinton Crawford Dallas Davis Decatur Delaware Des Moines Dickinson Dubuque Emmet Frayette Floyd Franklin Fremont Greene Grundy	1768 1272 1622			1554	410
Cedar Cerro Gordo Cherokee Chickasaw Clarke Clayton Clinton Crawford Dallas Davis Decatur Delaware Des Moines Dickinson Dubuque Emmet Fayette Floyd Franklin Fremont Greene Grundy	12 <i>7</i> 2 1622	1207	Marshalt	1670	869
Cerro Gordo Cherokee Chickasaw Clarke Clay Clayton Clinton Crawford Dallas Decatur Delaware Des Moines Dickinson Dubuque Emmet Esyette Floyd Franklin Fremont Greene Grundy	1622	1671	Mills	1477	1451
Cherokee Chickasaw Clarke Clay Clayton Clinton Crawford Dallas Decatur Delaware Des Moines Dickinson Dubuque Immet Esyette Cloyd Cranklin Cremont Cramody		2085	Mitchell	1681	1911
Chickasaw Clarke Clarke Clay Clayton Clinton Crawford Dallas Decatur Delaware Des Moines Dickinson Dubuque Dimmet Dayette Cloyd Cranklin Dremont Dremont Dremont		809	Monona	1930	1491
Clarke Clay Clayton Clinton Crawford Dallas Davis Decatur Delaware Des Moines Dickinson Dubuque Emmet Esyette Eloyd Franklin Eremont Ereme	1621	2096	Monroe	1856	768
Clayton Clayto	1414	851	Montgomery	1769	1448
Clayton Clayton Crawford Dallas Decatur Delaware Des Moines Dickinson Dubuque Emmet Esyette Floyd Franklin Fremont Greene	1446	7 21	Muscatine	1310	690
Clinton Crawford Dallas Davis Decatur Delaware Des Moines Dickinson Dubuque Emmet Eayette Floyd Franklin Fremont Ereene Erundy	1435	1610	O'Brien	1653	1487
Crawford Dallas Davis Decatur Delaware Des Moines Dickinson Dubuque Dimmet Dayette Dayette Dayette Dranklin Dreene Drundy	1495	702	Osceola	1532	2654
eallas Davis Decatur Delaware Des Moines Dickinson Dubuque Dimmet Dayette Doyd Dranklin Dremont Dreme	1550	744	Page	1828	972
Pavis Pecatur Pelaware Pes Moines Pickinson Pubuque Permet Payette Ployd Pranklin Premont Premont Premont	1424	1697	Palo Alto	1747	2516
Decatur Delaware Des Moines Dickinson Dubuque Emmet Eayette Floyd Franklin Fremont Greene Grundy	1368	1042	Plymouth	1339	1918
elaware les Moines lickinson lubuque limmet layette loyd ranklin remont liceene	1451	1095	Pocahontas	1785	3414
les Moines lickinson lubuque immet layette loyd lranklin lremont ireene	1569	877	Polk	1261	454
lickinson Jubuque Immet Syette Loyd Franklin Fremont Ireene Brundy	1106	1108	Pottawattamie	1509	960
Dubuque immet isyette iloyd iranklin iremont ireene irundy	1629	447	Powesh i ek	1405	1259
immet iayette iloyd iranklin iremont ireene irundy	1771	990	Ringgold	1651	1808
Fayette Floyd Franklin Fremont Greene Grundy	1363	275	Sac	1743	2377
Floyd Franklin Fremont Greene Grundy	1693	1745	Scott	1439	543
ranklin Fremont Greene Grundy	1552	647	Shelby	1514	2199
remont ireene irundy	1797	1328	Sioux	1171	1156
ireene irundy	1571	2916	Story	964	657
irundy	1792	2175	Tame	1545	1993
	1894	2982	Taylor	18 10	1240
uthrie	1602	2753	Union	1756	670
	1759	1576	Van Buren	1635	1289
amilton	1570	2042	Wapello	1905	407
ancock	1416	2081	Warren	990	526
ardin	1787	1940	Washington	1507	1514
arrison	1632	1832	Wayne	1967	1140
enry	1396	1172	Webster	1716	1004
oward	1554	821	Winnebago	1536	2003
umboldt	1729	3947	Winneshiek	1169	330
da	1573	2653	Woodbury	1506	693
OMB	1448	1409	Worth	1652	2411
ackson		873	Wright	1891	2167
asper	1484	987	State of love	1429	1032

subcategory was about \$1.1 billion from 1983 to 1990; again, it increased each year. Retirement or disability payments constituted the largest part of direct federal expenditures and obligations in all but three lowa counties. Johnson, Linn, and Pottawattamie, which were the three exceptions, received more federal funds in grant awards, procurement contract awards, and other direct federal expenditures and obligations, respectively. In 1990, retirement or disability payments accounted for at least 50% of all the funds from direct federal expenditures or obligations in 27 counties, with Dickinson the highest at 57.9%. Eighteen counties received at least \$50 million in this category in 1990, with seven (Black Hawk, Dubuque, Linn, Polk, Pottawattamie, Scott, Woodbury) above \$100 million. Adams (\$7.8 million) and Ringgold (\$8.9 million) were the only two with less than \$10 million in this subcategory of payments to individuals.

Another 17.7% (\$1.8 billion) of the total direct federal expenditures or obligations was 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. These payments decreased from 1983 to 1984 but then increased each succeeding year, with relatively large jumps between 1988 and 1990. In 1990, other payments received by individuals ranged from \$3.6 million in Adams to \$183 million in Polk. Polk was the only county with more than \$100 million in other payments to individuals from federal sources, although six others (Black Hawk, Dubuque, Linn, Pottawattamie, Scott, Woodbury) received at least \$50 million.

Procurement contract awards totaled \$700 million in 1990. These are contracts with the Department of Defense, Postal Service, and other federal agencies. These numbers changed rather radically from one year to the next, with both increases and decreases greater than \$100 million between selected years. In addition, this subcategory was the most unevenly distributed across counties among the data reported in Tables 1 through 8. In 1990, three counties (Black Hawk, Linn, Polk) received nearly 60% of all procurement contract awards in the state, with Linn alone (\$264.5 million) accounting for 37.8% of the total. Only 11 other counties had a share in this category greater than one percent of the total. Together, these 14 counties received nearly \$9 of every \$10 (89.2%) of procurement contract awards in the state in 1990.

The "other" subcategory among direct federal expenditures or obligations amounted to \$1.4 billion in 1990. Expenditures in this area also changed greatly between years, with the low figure in 1984 (Table 7) and the high in 1988 (Table 3). 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 lowa 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 1990, 20 counties received more than \$10 million each in this subcategory. Polk (\$438 million) and Pottawattamie (\$160 million) had the highest amounts. Only five counties (Butler, Kossuth, Polk, Pottawattamie, Poweshiek) had other direct federal expenditures greater than 1% of the state total. However, over two-fifths of the funds in this subcategory were distributed to Polk (30.5%) and Pottawattamie (11.2%).

Other Federal Assistance

Data for two other kinds of federal assistance were available. Direct loans from federal sources (community loans-price supports, farmers home administration-rural housing loans, water and waste disposal system loans, housing for the elderly or handicapped) accounted for \$670 million of the \$3.5 billion total for other federal assistance. These figures varied by huge amounts in the 1980s; expenditures were nearly \$2.7 billion in 1987 while they were only \$240 million in 1984, primarily because of direct loans related to agriculture were much greater some years than others. In lowa, \$598 million of the \$670 in this subcategory was related to commodity loans in 1990. Direct loans were greater than \$10 million in 15 counties. Kossuth led with \$19.6 million in 1990. Four counties (Davis, Lucas, Monroe, Van Buren) received less than \$1 million in direct loans.

Guaranteed loans and insurance totaled nearly \$2.9 billion in 1990. 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 varied substantially from one year to the next; the lowest total was \$1.2 billion in

1985 while the highest was nearly \$3.3 billion in 1989. More than \$1.9 billion of the \$2.9 billion for guaranteed loans and insurance was related to crop insurance in 1990. Totals from all the guaranteed loan and insurance programs exceeded \$50 million in seven counties (Black Hawk, Kossuth, Linn, Polk, Pottawattamie, Scott, Woodbury), led by Polk with \$148 million. Fifteen others received less than \$10 million in guaranteed loans and insurance from federal sources.

Per Capita Federal Expenditures

Per capita federal expenditures on retirement and disability payments and on guaranteed loans and insurance for 1990 provide an indication of the relative dollars returning to counties for each resident; these two subcategories of expenditures were selected because they include half (50.0%) of all federal funds reported as returned to lowa in the year of the most recent census. These figures were obtained by dividing the dollar figures by the 1990 population in each county. In 1990, per capita federal retirement and disability payments were greater than \$1,800 in 10 counties (Appanoose, Calhoun, Greene, Monona, Monroe, Page, Taylor, Wapello, Wayne, Wright), with Appanoose the highest at \$1,970 (Table 9). Three counties (Johnson, Story, Warren) received less than \$1,000 per capita in retirement and disability payments. The average for the state was \$1,429.

Per capita guaranteed loans and insurance in lowa varied more across the counties than did the retirement and disability figures. In 1990, per capita guaranteed loans and insurance exceeded \$2,500 in nine counties (Franklin, Greene, Grundy, Humboldt, Ida, Kossuth, Osceola, Palo Alto, Pocahontas). Humboldt, Kossuth, and Pocahontas were above \$3,000. In another nine counties (Appanoose, Des Moines, Dubuque, Johnson, Lee, Marion, Polk, Wapello, Winneshiek), however, per capita guaranteed loans and insurance were less than \$500, with Dubuque the lowest at \$275. For the state, per capita federal guaranteed loans and insurance was \$1,032.

For the State of Iowa, per capita federal funds received from retirement and disability programs were about \$400 greater than those related to guaranteed loans and insurance. Funds for retirement and disability programs were more than those for guaranteed loans and insurance in 59 counties. In Appanoose, Dubuque, and Wapello, per capita retirement or disability payments were over four times as much as per capita guaranteed loans and insurance. In 40 counties, however, expenditures led to higher per capita figures on guaranteed loans and insurance than on retirement and disability payments. In Humboldt and Kossuth, per capita guaranteed loans and insurance were more than twice the per capita amount received from retirement and disability payments.

Notes: The source of this information is an annual CONSOLIDATED FEDERAL FUNDS REPORT: FISCAL YEAR 1990 (or other appropriate 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 1990).

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 are 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.

Number and Size of Farms in Iowa's Counties: 1975-1990

Duane Skow, Iowa Department of Agriculture and Land Stewardship Willis Goudy, Iowa State University Howard Holden, Iowa Department of Agriculture and Land Stewardship

Each year, the lowa Department of Agriculture and Land Stewardship estimates the number of farms in lowa's counties. The 104,000 farms reported for 1990 represented a decrease of 1,000 from the total in 1989. Since 1975, when this series of estimates was initiated, farm numbers have declined by 26,000 (Table 1). Average size in acres has increased from 262 in 1975 to 322 in 1990, a gain of 60 acres over the 16-year period (Table 2).

Number of Farms

The number of farms declined in all 99 counties from 1975 to 1990. A third (33) of the counties reported decreases of 300 or more farms by the end of the period; 48 decreased from 200 to 299, and the remaining 18 lost fewer than 200 farms. Four counties (Adams, Dickinson, Fremont, Osceola) declined by fewer than 150 farms between 1975 and 1990; five others (Clayton, Fayette, Kossuth, Wapello, Woodbury) had at least 400 fewer farms in 1990 than in 1975.

Farms dropped by 11,000 from 1975 to 1980 and by 8,000 from 1980 to 1985. The decline was 7,000 during the five most recent years (1985-1990). In 1975, six counties had at least 2,000 farms; none did in 1990, although Sioux was close at 1,990. The number of lowa's farms decreased by 20.0% from 1975 to 1990 (Table 3). The drop was less than 10% in Sioux, although it topped 30% in Jefferson, Wapello, and Woodbury. At least 25% fewer farms were counted in another 13 counties. In the most recent comparison (1989-1990), farms were down 1.0% in the state. Twenty-nine counties had the same number of farms during these two years; decreases were at least 2% in 11 counties.

Patterns for counties tended to be similar to that for the state, with 55 counties reporting greater percentage decreases in the late 1970s than the early 1980s. For 43 counties, percentage declines of farms were higher in the early 1980s than the late 1970s; many of these counties were in the northwestern section of the state, although another group was clustered in the east-central region. Franklin had the same percentage decline in the late 1970s and early 1980s. Although most counties had their largest percentage declines in the late 1970s (51) or early 1980s (32), 14 had their greatest decreases in the late 1980s.

Size of Farms

As the number of farms has declined, the average size has increased (Table 2). This occurred in all counties from 1975 to 1990. Fourteen counties had gains that were less than 40 acres, while 20 counties added at least 80 acres to the average size between 1975 and 1990. Six (Jefferson, Ringgold, Taylor, Van Buren, Woodbury, Wright) jumped by at least 100 acres per farm over this 16-year period. On an annual basis, of course, changes tend to be small; from 1989 to 1990, for example, 79 counties had no change or a gain of five acres or less in average size.

Average farm size increased by 22.9% from 1975 to 1990 (Table 3). Only two counties (Carroll, Sioux) reported increases less than 10%. Three had increases of at least 40% (Jefferson, +46.4%; Wapello, +53.8%; Woodbury, 41.0%); 14 others had averages at least 30% higher in 1990 than in 1975. Much of the gain in Jefferson and Wapello occurred from 1975 to 1980; Davis and Lee counties also had substantial increases those years. Percentage gains for many counties were much lower in the periods after the late 1970s.

Table 1. Number of Farms in Iowa Counties, 1975-1990.

County	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976	1975
Adair	960	960	980	980	1010	1030	1040	1050	1080	1080	1090	1110	1130	1140	1150	1170
Aclams	680	680	700	700	720	720	730	730	750	750	<i>7</i> 50	760	780	790	790	790
l l amakee	1060	1090	1090	1090	1110	1120	1120	1130	1150	1180	1180	1200	1210	1230	1280	1360
ppenoose	870	870	890	890	890	890	900	900	930	960	990	990	1000	1040	1080	1140
udubon	850	860	870	870	880	890	900	910	920	940	960	980	1000	1010	1010	1060
entan	1430	1450	1470	1470	1490	1520	1570	1580	1590	1590	1600	1620	1650	1650	1650	1650
lack Hawk	1260	1270	1300	1300	1320	1330	1330	1340	1370	1370	1380	1400	1410	1460	1520	1560
loone	1010	1010	1040	1040	1050	1080	1110	1140	1170	1180	1190	1210	1250	1280	1310	1340
remer	1140	1150	1170	1170	1190	1210	1240	1280	1300	1300	1300	1310	1390	1390	1410	1480
uch <i>a</i> nan	1320	1330	1360	1360	1380	1390	1390	1400	1420	1460	1490	1510	1510	1570	1620	1670
luena Vista	1070	1070	1120	1120	1150	1170	1180	1190	1210	1240	1250	1250	1280	1280	1300	1300
utler	1290	1310	1320	1320	1340	1380	1420	1460	1490	1510	1510	1520	1520	1550	1590	1600
alhoun	980	990	1010	1010	1040	1080	1110	1170	1180	1180	1180	1190	1220	1220	1220	1250
arroll	1290	1290	1350	1350	1370	1390	1390	1400	1420	1420	1420	1430	1430	1430	1430	1440
855	930	930	950	950	980	1000	1050	1080	1100	1100	1110	1140	1150	1160	1160	1160
edar	1170	1170	1200	1200	1220	1240	1280	1320	1330	1330	1340	1360	1400	1400	1400	1420
erro Gordo	930	940	950	950	970	1000	1020	1040	1050	1050	1060	1080	1120	1120	1120	1130
herok ee	1090	1090	1110	1110	1140	1170	1210	1220	1220	1220	1230	1240	1260	1260	1260	1260
hick asaw	1050	1070	1080	1080	1100	1110	1130	1170	1200	1200	1200	1210	1220	1220	1260	1350
larke	690	700	710	710	730	740	750	770	780	780	790	810	820	850	850	850
lay	870	880	890	890	910	950	1000	1050	1060	1060	1070	1080	1100	1100	1100	1100
layton	1660	1690	1700	1700	1710	1710	1710	1720	1 <i>7</i> 50	1810	1830	1850	1850	1930	1990	2110
linton	1430	1450	1470	1470	1490	1520	1550	1560	1590	1620	1640	1640	1660	1660	1680	1760
rawford	1330	1350	1370	1370	1400	1450	1490	1510	1540	1560	1560	1570	1590	1680	1680	1690
allas	1070	1080	1100	1100	1110	1140	1170	1200	1220	1220	1220	1230	1270	1270	1270	1290
avis	910	920	940	940	940	940	940	950	970	990	1000	1040	1040	1090	1170	1250
ecatur	710	720	73 0	730	750	760	760	770	780	790	790	810	820	850	880	910
elaware	1420	1430	1460	1460	1460	1460	1460	1470	1500	1500	1500	1510	1530	1560	1610	1700
es Moines	<i>7</i> 50	750	<i>77</i> 0	770	790	800	800	810	830	830	840	890	890	930	930	930
ickinson	590	600	610	610	620	640	640	650	670	680	690	700	700	700	710	710
ubuque	1630	1660	1680	1680	1690	1690	1690	1700	1730	1730	1730	1740	1740	1780	1850	1880
mme t	600	610	620	620	630	650	680	710	720	740	740	750	760	760	770	770
ayette	1500	1510	1540	1540	1570	1590	1620	1630	1660	1700	1730	1770	1780	1880	1970	2060

Table 1. Number of Farms in Iowa Counties, 1975-1990 (continued).

County	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976	1975
Floyd	980	990	1010	1010	1030	1050	1070	1090	1110	1120	1120	1130	1140	1170	1200	1230
Franklin	1000	1020	1030	1030	1050	1080	1120	1160	1180	1180	1190	1210	1260	1260	1260	1310
Fremont	710	710	730	730	750	750	760	760	780	780	790	800	830	840	840	840
Greene	940	950	970	970	1000	1030	1050	1060	1070	1070	1090	1100	1130	1130	1130	1130
Grundy	1020	1020	1050	1050	1060	1090	1110	1120	1150	1160	1170	1180	1230	1260	1260	1270
Guthrie	960	980	980	980	1010	1050	1080	1110	1120	1120	1120	1130	1160	1180	1190	1280
làmilton	1010	1020	1040	1040	1060	1080	1110	1150	1170	1190	1210	1240	1290	1290	1300	1330
lancock	1040	1050	1070	1070	1090	1120	1150	1170	1190	1210	1220	1230	1280	1280	1310	1360
Hardin	1050	1060	1080	1080	1100	1120	1160	1200	1220	1220	1230	1250	1280	1290	1290	1290
Harrison	1020	1050	1050	1050	1080	1120	1160	1190	1210	1220	1240	1250	1280	1310	1320	1370
Henry	880	890	910	910	930	950	950	960	980	980	990	1050	1070	1120	1120	1120
Howard	930	950	960	960	980	990	1010	1050	1070	1070	1070	1080	1110	1110	1160	1220
lumbol dt	730	730	770	770	780	800	820	840	860	860	870	870	900	900	900	920
ida	780	790	800	800	820	840	860	870	890	890	900	900	920	930	930	960
ONA	1050	1070	1080	1080	1100	1120	1130	1140	1170	1180	1190	1200	1210	1210	1220	1280
Jackson	1340	1360	1380	1380	1400	1400	1400	1410	1440	1460	1460	1470	1470	1470	1500	1570
Jasper	1430	1440	1480	1480	1500	1530	1550	1580	1610	1610	1620	1630	1680	1690	1690	1690
Jefferson	770	780	790	790	810	830	860	890	910	920	930	1000	1010	1060	1110	1150
Johnson	1350	1370	1390	1390	1410	1440	1480	1500	1520	1520	1530	1540	1560	1560	1560	1560
Jones	1160	1170	1190	1190	1210	1230	1270	1300	1320	1360	1360	1360	1370	1370	1410	1470
Keokuk	1020	1030	1050	1050	1070	1100	1140	1190	1210	1210	1220	1300	1310	1380	1380	1380
Kossuth	1700	1710	1 <i>7</i> 50	1750	1780	1820	1860	1880	1910	1920	1940	1970	2 03 0	2030	2060	2130
Lee	980	990	1010	1010	1030	1050	1050	1060	1080	1080	1080	1130	1140	1200	1250	1310
Linn	1660	1670	1710	1710	1740	1760	1790	1800	1820	1820	1830	1840	1860	1860	1860	1870
Louisa	630	640	640	640	650	670	680	700	710	710	720	780	790	830	830	830
Lucas	680	680	700	700	720	730	740	770	790	890	840	850	850	880	920	950
Lyon	1230	1240	1260	1260	1290	1320	1360	1390	1410	1420	1420	1430	1430	1430	1440	1440
Madison	1050	1060	1080	1080	1110	1120	1130	1150	1180	1200	1250	1260	1270	1320	1360	1390
Nahaska	1160	1170	1200	1200	1220	1240	1250	1260	1280	1290	1290	1360	1370	1440	1470	1520
Marion	1120	1120	1150	1150	1180	1190	1210	1230	1250	1250	1260	1350	1370	1420	1420	1420
larshall	1060	1070	1090	1090	1110	1130	1160	1190	1220	1230	1230	1240	1240	1250	1280	1320
Hills	640	650	650	650	670	670	680	680	690	700	740	750	790	800	800	800
Hitchell	940	940	960	960	980	990	1000	1010	1020	1020	1030	1050	1060	1090	1100	1140

Table 1. Number of Farms in lows Counties, 1975-1990 (continued).

County	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976	1975
Monona	850	870	870	870	880	910	920	930	950	970	1000	1000	1050	1050	1050	1080
Monroe	730	730	<i>7</i> 50	750	750	<i>7</i> 50	750	760	770	780	810	830	830	860	900	930
Montgomery	6 9 0	690	710	710	730	740	760	760	780	780	790	790	790	800	820	840
Muscatine	890	910	920	920	930	940	970	1000	1010	1010	1030	1040	1050	1050	1050	1050
O'Brien	1200	1200	1260	1260	1290	1320	1330	1340	1360	1360	1360	1370	1380	1380	1380	1380
Osceola	730	740	750	750	770	790	820	840	850	850	850	860	860	860	870	870
Page	960	980	1030	1030	1040	1040	1050	1050	1070	1070	1080	1090	1160	1170	1170	1170
Palo Alto	920	940	950	950	980	1000	1010	1020	1040	1050	1070	1070	1100	1100	1110	1110
Plymouth	1740	1740	1770	1770	1810	1830	1870	1880	1900	1910	1920	1930	1950	1950	1970	1970
Pocahontas	990	1000	1010	1010	1040	1070	1100	1110	1130	1140	1160	1170	1180	1180	1190	1190
Polk	990	1010	1020	1020	1040	1060	1080	1100	1120	1140	1140	1150	1150	1170	1240	1340
Pottawattamie	1620	1630	1670	1670	1700	1730	1780	1810	1850	1900	1900	1900	1900	1920	1960	2000
Powesh i ek	1030	1050	1060	1060	1080	1100	1130	1140	1170	1180	1190	1200	1220	1250	1270	1300
Ringgold	690	700	710	710	730	740	750	770	800	810	820	860	870	900	910	930
Sac	1020	1020	1060	1060	1090	1120	1140	1150	1160	1160	1160	1160	1190	1190	1190	1240
Scott	960	980	990	990	1010	1030	1060	1090	1110	1110	1120	1130	1170	1170	1170	1170
Shelby	1170	1180	1200	1200	1230	1270	1300	1320	1340	1340	1340	1350	1370	1370	1370	1370
Sioux	1990	1990	2050	2050	2070	2090	2100	2100	2130	2130	2140	2150	2200	2200	2200	2200
Story	1130	1130	1160	1160	1180	1210	1230	1240	1250	1250	1260	1280	1340	1360	1360	1360
T ame	1390	1390	1430	1430	1450	1480	1480	1490	1530	1550	1560	1600	1630	1660	1700	1740
Taylor	760	770	780	780	800	820	850	880	900	940	950	960	970	980	1010	1030
Union	680	690	700	700	720	730	740	770	780	780	790	860	870	900	900	900
Van Buren	780	780	800	800	820	840	850	880	900	910	930	970	990	1040	1080	1110
Wapello	880	890	910	910	930	950	950	960	970	1020	1020	1040	1040	1090	1240	1380
Jarren	1270	1290	1320	1320	1340	1360	1370	1390	1410	1410	1420	1470	1480	1530	1530	1530
Wash ington	1150	1160	1180	1180	1210	1230	1230	1240	1260	1260	1280	1340	1350	1420	1420	1420
Hayne	740	740	760	760	780	790	800	820	830	840	840	910	920	950	950	950
Webster	1220	1220	1250	1250	1260	1280	1310	1350	1370	1370	1380	1390	1420	1430	1430	1430
Winnebago	740	740	760	760	770	790	810	840	860	870	880	910	930	930	930	960
Vinneshiek	1620	1650	1660	1660	1690	1700	1700	1710	1750	1780	1790	1820	1850	1870	1930	2010
Hoodbury	1350	1370	1370	1370	1400	1450	1500	1580	1600	1630	1630	1640	1660	1700	1780	1930
Jorth	660	680	680	680	690	730	760	800	810	830	840	860	870	870	880	910
Uright	880	890	900	900	920	940	970	1010	1020	1030	1040	1070	1090	1100	1150	1210
State of lowa	104000	105000	107000	107000	109000	111000	113000	115000	117000	118000	119000	121000	123000	125000	127000	130000

Table 2. Average Size (in Acres) of Farms in Iowa Counties, 1975-1990.

County	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976	1975
Adair	370	370	363	363	353	346	343	340	331	331	329	323	317	314	313	309
Adams	389	389	378	378	368	368	363	364	354	354	355	350	341	337	338	340
\lamakee	352	343	343	343	337	334	334	332	326	318	319	313	311	306	295	279
ppanoose	330	330	322	322	325	325	322	323	312	302	294	294	291	280	270	258
ludubon	326	323	319	319	315	312	308	306	303	296	291	285	279	276	277	266
lenton	302	298	294	294	292	286	277	276	274	274	273	270	265	265	266	267
lack Hawk	243	241	236	236	234	232	232	231	226	226	225	222	220	213	205	201
loone	328	328	319	319	321	312	304	297	289	287	285	280	272	265	260	256
remer	228	226	222	222	219	215	210	204	201	201	201	200	188	188	186	178
uchanan	262	260	254	254	251	249	249	248	244	238	234	230	230	222	215	210
luena Vista	328	328	314	314	306	301	298	297	292	285	283	283	276	276	273	275
utler	273	269	267	267	263	256	249	243	238	235	235	234	234	229	224	224
alhoun	358	354	347	347	338	326	317	302	299	299	300	297	290	290	291	286
arroll	272	272	260	260	256	253	253	252	248	248	249	247	247	247	248	248
ass	373	373	365	365	354	347	330	322	316	316	315	306	304	301	302	304
edar	300	300	293	293	289	284	275	268	265	265	264	260	253	253	254	252
erro Gordo	362	358	354	354	349	338	332	326	323	323	321	315	304	304	305	304
herokee	326	326	320	320	312	304	294	293	293	293	291	289	284	284	285	287
hickasaw	291	285	283	283	277	275	270	262	255	255	256	254	252	252	244	229
larke	382	377	372	372	362	357	352	344	340	340	336	328	324	313	314	316
lay	397	392	388	388	380	364	346	330	327	327	325	322	316	316	317	319
Clayton	280	275	274	274	272	272	272	271	267	258	256	253	253	243	236	224
Clinton	286	282	278	278	275	269	264	263	258	253	251	251	248	248	246	236
rawford	333	328	323	323	317	306	298	295	289	286	287	285	281	266	267	267
allas	323	320	314	314	311	303	295	289	284	284	285	283	274	274	275	272
avis	345	341	334	334	330	330	330	328	321	315	313	300	300	287	268	252
ecatur	458	452	445	445	433	428	428	423	418	413	414	404	399	385	373	363
elaware	246	244	239	239	239	239	239	238	233	233	234	232	229	225	219	208
es Moines	291	291	284	284	277	273	273	271	264	264	262	247	247	236	237	238
ickinson	381	375	368	368	366	354	354	350	339	334	331	326	326	326	322	324
)ubuque	214	210	207	207	206	206	206	206	202	202	203	201	201	197	190	188
innet	401	394	388	388	382	370	354	340	336	326	327	323	319	319	316	317
Fayette	294	292	286	286	281	277	272	271	267	260	257	251	249	236	226	217

Table 2. Average Size (in Acres) of Farms in Ioua Counties, 1975-1990 (continued).

County	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976	1975
Floyd	309	306	300	300	295	289	284	279	274	272	273	270	268	261	255	250
Franklin	357	350	347	347	341	332	320	310	304	304	303	298	286	286	287	277
Fremont	439	439	427	427	417	417	412	413	402	402	398	393	379	375	376	378
ireene	377	373	365	365	354	344	338	335	332	332	327	324	315	315	316	318
Grundy	307	307	298	298	295	287	282	280	273	270	269	267	256	250	250	250
authrie	379	371	371	371	361	347	337	329	326	326	327	324	316	311	309	289
lamilton	347	344	337	337	331	325	316	306	301	296	291	284	273	273	272	268
iancock	336	333	326	326	321	313	304	300	295	290	289	286	275	275	270	261
lardin	330	327	321	321	316	310	299	290	285	285	284	279	273	271	272	273
larrison	414	402	402	402	394	379	366	358	352	349	345	342	334	326	325	315
lenry	298	294	288	288	282	276	276	274	268	268	267	251	247	236	236	238
loward	310	304	300	300	294	291	286	276	270	270	271	269	261	261	251	240
umbol dt	366	366	347	347	343	334	326	319	312	312	309	309	299	299	300	295
da	344	339	335	335	327	320	312	309	302	302	300	300	293	290	291	284
OMB	343	337	334	334	328	322	320	318	309	307	305	303	300	300	299	28
ackson	282	278	274	274	271	271	271	269	264	260	261	259	259	259	255	249
asper	307	305	296	296	293	287	283	279	274	274	273	271	263	262	262	26
efferson	341	336	332	332	325	317	306	297	290	287	285	265	262	250	239	23
ohnson	244	241	237	237	240	235	228	226	223	223	222	221	218	218	218	22
ones	300	298	293	293	288	284	275	269	265	257	258	258	256	256	250	24
eokuk	349	346	339	339	333	324	313	300	295	295	294	276	274	260	261	26
Cossuth	352	350	342	342	337	330	323	320	315	314	311	307	297	297	294	28
.ee	301	298	292	292	286	281	281	279	274	274	275	262	260	247	238	22
inn	233	232	226	226	224	221	218	217	215	215	214	213	211	211	211	21
ouisa	368	363	363	363	359	348	343	334	330	330	326	301	297	283	284	28
ucas	369	369	359	359	355	350	345	333	324	320	306	302	302	292	280	27
yon	295	293	288	288	282	275	267	262	258	257	257	256	256	256	255	25
iadi son	331	328	322	322	313	310	307	303	295	290	280	277	275	265	258	25
lahaska	299	297	289	289	288	283	281	279	275	273	274	259	258	245	241	23
arion	271	271	264	264	262	259	255	252	248	248	247	230	227	219	219	22
arshall	325	322	316	316	310	305	297	290	283	281	282	279	279	277	271	26
ills	418	411	411	411	399	399	393	394	388	383	363	358	340	336	337	33
itchell	306	306	300	300	295	292	289	287	284	284	282	277	274	266	265	25

Table 2. Average Size (in Acres) of Farms in Iowa Counties, 1975-1990 (continued).

County	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976	1975
Monona	492	481	481	481	479	463	458	454	445	436	424	424	404	404	405	396
Monro e	362	362	352	352	352	352	352	349	344	340	328	320	320	309	296	288
Montgomery	377	377	367	367	357	352	343	344	335	335	332	332	332	328	321	315
Muscatine	281	275	272	272	269	266	258	251	249	249	245	242	240	240	241	242
O'Brien	294	294	280	280	273	267	265	264	260	260	261	259	257	257	258	259
Osceol a	336	332	327	327	320	312	301	294	291	291	292	288	288	288	286	288
Page	334	334	318	318	316	316	313	314	308	308	306	303	285	283	283	285
Palo Alto	379	371	367	367	356	349	345	343	336	333	328	328	319	219	317	319
Plymouth	306	306	301	301	295	292	286	285	282	281	280	278	276	276	274	275
Pocahontas	358	354	351	351	342	332	323	321	315	313	308	306	303	303	301	303
Polk	255	250	248	248	250	245	241	237	233	229	229	227	227	224	212	197
Pottawattamie	346	343	335	335	331	325	316	311	305	297	298	298	298	294	289	285
Powesh i ek	347	340	337	337	331	325	316	315	306	304	302	300	295	288	284	279
Ringgold	489	482	475	475	463	456	450	440	423	418	414	395	390	377	374	368
Sac	347	347	333	333	326	317	311	310	307	307	308	308	300	300	301	291
Scott	248	243	240	240	237	232	225	220	216	216	215	213	205	205	206	207
Shelby	312	309	304	304	297	288	281	278	274	274	274	272	268	268	269	271
Sioux	235	235	228	228	226	224	223	224	220	220	220	219	214	214	215	216
Story	294	294	286	286	283	276	271	270	268	268	266	262	251	247	248	249
Tame	315	315	306	306	302	296	296	295	287	283	282	275	270	265	260	255
Taylor	438	432	427	427	417	406	392	380	371	356	353	349	346	342	333	328
Union	382	376	371	371	361	356	351	338	334	334	331	304	300	290	291	293
Van Buren	379	379	370	370	362	353	349	338	330	327	321	308	301	287	277	271
Wapello	283	280	274	274	268	263	263	261	258	245	246	241	241	230	203	184
Warren	261	257	251	251	249	246	244	241	238	238	237	229	227	220	220	222
Washington	298	296	291	291	284	280	280	278	274	274	270	258	256	244	245	246
Wayne	436	436	425	425	415	410	405	396	391	387	388	358	354	343	334	346
Webster	347	347	338	338	336	331	324	315	310	310	309	307	300	298	299	301
Winnebago	326	326	318	318	316	308	300	291	284	280	278	269	263	263	264	257
Winneshi e k	259	254	253	253	248	247	247	246	240	236	236	232	228	226	219	212
Woodbury	378	372	372	372	364	352	340	324	320	314	315	313	309	302	289	268
W orth	367	356	356	356	352	333	319	304	301	293	291	284	281	281	278	271
Wright	404	399	395	395	387	379	367	353	350	347	344	334	328	325	312	298
State of Iowa	322	319	313	313	308	303	297	293	288	286	284	279	275	270	267	262

Table 3. Percentage Change in Number and Size (in Acres) of Farms in Iowa Counties, 1975-1990.

			Farms					Acres		
County	1989 - 1990	1975- 1990	1985 - 1989	1980- 1985	1975 - 1979	1989- 1990	1975 - 1990	1985 - 1989	1980 - 1985	1975 1979
Adair	0.0	-17.9	-6.8	-5.5	-6.8	0.0	19.7	6.9	5.2	6.5
Adams	0.0	-13.9	-5.6	-4.0	-5.1	0.0	14.4	5.7	3.7	4.4
Allamakee	-2.8	-22.1	-2.7	-5.1	-13.2	2.6	26.2	2.7	4.7	14.3
Appanoose	0.0	-23.7	-2.2	-10.1	-13.2	0.0	27.9	1.5	10.5	14.0
Audubon	-1.2	-19.8	-3.4	-7.3	-9.4	0.9	22.6	3.5	7.2	9.4
Benton	-1.4	-13.3	-4.6	-5.0	-3.0	1.3	13.1	4.2	4.8	2.2
Black Hawk	-0.8	-19.2	-4.5	-3.6	-11.5	0.8	20.9	3.9	3.1	11.9
Boone	0.0	-24.6	-6.5	-9.2	-11.2	0.0	28.1	5.1	9.5	11.3
Bremer	-0.9	-23.0	-5.0	-6.9	-12.2	0.9	28.1	5.1	7.0	12.9
Buchanan	-0.8	-21.0	-4.3	-6.7	-10.8	0.8	24.8	4.4	6.4	11.4
Buena Vista	0.0	-17.7	-8.6	-6.4	-3.8	0.0	19.3	9.0	6.4	2.9
Butler	-1.5	-19.4	-5.1	-8.6	-5.6	1.5	21.9	5.1	8.9	4.9
Calhoun	-1.0	-21.6	-8.3	-8.5	-5.6	1.1	25.2	8.6	8.7	4.9
Carroll	0.0	-10.4	-7.2	-2.1	-1.4	0.0	9.7	7.5	1.6	0.4
Cass	0.0	-19.8	-7.0	-9.9	-4.3	0.0	22.7	7.5	10.2	3.6
Cedar	0.0	-17.6	-5.6	-7.5	-5.6	0.0	19.0	5.6	7.6	4.8
Cerro Gordo	-1.1	-17.7	-6.0	-5.7	-6.2	1.1	19.1	5.9	5.3	5.6
Cherok ee	0.0	-13.5	-6.8	-4.9	-2.4	0.0	13.6	7.2	4.5	1.4
Chicksau	-1.9	-22.2	-3.6	-7.5	-11.1	2.1	27.1	3.6	7.4	11.8
Clarke	-1.4	-18.8	-5.4	-6.3	-7.1	1.3	20.9	5.6	6.2	6.3
Clay	-1.1	-20.9	-7.4	-11.2	-2.7	1.3	24.5	7.7	12.0	1.9
Clayton	-1.8	-21.3	-1.2	-6.6	-13.3	1.8	25.0	1.1	6.2	14.3
Clinton	-1.4	-18.8	-4.6	-7.3	-6.8	1.4	21.2	4.8	7.2	6.4
Crawford	-1.5	-21.3	-6.9	-7.0	-7.7	1.5	24.7	7.2	6.6	7.5
Dallas	-0.9	-17.1	-5.3	-6.6	-5.4	0.9	18.8	5.6	6.3	4.8
Davis	-1.1	-27.2	-2.1	-6.0	-20.0	1.2	36.9	3.3	5.4	24.2
Decatur	-1.4	-22.0	-5.3	-3.8	-13.2	1.3	26.2	5.6	3.4	14.0
Delaware	-0.7	-16.5	-2.0	-2.7	-11.8	0.8	18.3	2.1	2.1	12.5
Des Noines	0.0	-19.4	-6.2	-4.8	-9.7	0.0	22.3	6.6	4.2	10.1
Dickinson	-1.7	-16.9	-6.2	-7.2	-2.8	1.6	17.6	5.9	7.0	2.2
Dubuque	-1.8	-13.3	-1.8	-2.3	-8.0	1.9	13.8	1.9	1.5	8.0
Emme t	-1.6	-22.1	-6.2	-12.2	-3.9	1.8	26.5	6.5	13.2	3.2
Fayette	-0.7	-27.2	-5.0	-8.1	-16.0	0.7	35.5	5.4	7.8	18.4
Floyd	-1.0	-20.3	-5.7	-6.2	-8.9	1.0	23.6	5.9	5.9	9.2
Franklin	-2.0	-23.7	-5.6	-9.2	-9.2	2.0	28.9	5.4	9.6	9.4
fremont	0.0	-15.5	-5.3	-5.1	-6.0	0.0	16.1	5.3	4.8	5.3
Gr eene	-1.1	-16.8	-7.8	-5.5	-3.5	1.1	18.6	8.4	5.2	2.8
Grundy	0.0	-19.7	-6.4	-6.8	-7.9	0.0	22.8	7.0	6.7	7.6
Guthrie	-2.0	-25.0	-6.7	-6.2	-12.5	2.2	31.1	6.9	6.1	13.2
Hamilton	-1.0	-24.1	-5.6	-10.7	-9.0	0.9	29.5	5.8	11.7	8.6
lancock	-1.0	-23.5	-6.2	-8.2	-10.3	0.9	28.7	6.4	8.3	
lardin	-0.9	-18.6	-5.4	-8.9	-4.6	0.9	20.9	5.5	9.2	10.7 4.0
larrison	-2.9	-25.5	-6.2	-9.7	-9.5	3.0	31.4	6.1	9.2 9.9	9.5
lenry	-1.1	-21.4	-6.3	-4.0	-11.6	1.4	25.2	6.5	3.4	
loward	-2.1	-23.8	-4.0	-7.5	-12.3	2.0	29.2	4.5		12.2
(umboldt	0.0	-20.7	-8.8	-8.0	-5.4	0.0	24.1		7.4	12.9
ida	-1.3	-18.8	-6.0	-6.7	-6.2	1.5	21.1	9.6 5.0	8.1	4.8
lowa	-1.9	-18.0	-4.5	-5.9	-6.2 -7.0			5.9 4.7	6.7 5.4	5.6
Jackson	-1.5	-14.6	-2.9	-3.9 -4.1	-7.0 -7.0	1.8 1.4	19.9 15.1	4.7 2.6	5.6 3.8	6.6
	• • •	.7.0	£ . 7		-7.U	I - 6	13.1	Z.D	3.8	6.5

Table 3. Percentage Change in Number and Size (in Acres) of Farms in lowa Counties, 1975-1990 (continued).

	_		Farms					Acres		
County	1989- 1990	1975- 19 9 0	1985 - 1989	1980- 1985	1975 - 1979	1989- 1990	1975 - 1990	1985 - 1989	1980 - 1985	1975- 1979
Jefferson	-1.3	-33.0	-6.0	-10.8	-19.1	1.5	46.4	6.0	11.2	22.3
Johnson	-1.5	-13.5	-4.9	-5.9	-1.9	1.2	10.9	2.6	5.9	0.9
Jones	-0.9	-21.1	-4.9	-9.6	-7.5	0.7	24.5	4.9	10.1	7.0
Keokuk	-1.0	-26.1	-6.4	-9.8	-11.6	0.9	33.2	6.8	10.2	12.2
Kossuth	-0.6	-20.2	-6.0	-6.2	-8.9	0.6	23.1	6.1	6.1	8.7
Lee	-1.0	-25.2	-5.7	-2.8	-17.6	1.0	32.0	6.0	2.2	20.6
Linn	-0.6	-11.2	-5.1	-3.8	-2.1	0.4	10.4	5.0	3.3	1.4
Louisa	-1.6	-24.1	-4.5	-6.9	-13.2	1.4	29.1	4.3	6.8	14.4
Lucas	0.0	-28.4	-6.8	-13.1	-11.6	0.0	35.2	5.4	14.4	12.1
Lyon	-0.8	-14.6	-6.1	-7.0	-1.4	0.7	15.2	6.6	7.0	0.4
Madison	-0.9	-24.5	-5.4	-10.4	-10.1	0.9	30.3	5.8	10.7	10.2
Mahaska	-0.9	-23.7	-5.6	-3.9	-15.1	0.7	27.8	5.0	3.3	17.1
Marion	0.0	-21.1	-5.9	-5.6	-11.3	0.0	22.6	4.6	4.9	11.8
Marshall	-0.9	-19.7	-5.3	-8.1	-6.8	0.9	22.6	5.6	8.2	6.4
Mills	-1.5	-20.0	-3.0	-9.5	-7.5	1.7	23.3	3.0	9.9	7.1
Mitchell	0.0	-17.5	-5.0	-3.9	-9.6	0.0	19.1	4.8	3.6	9.7
	-2.3	-21.3	-4.4	-9.0	-7.4	2.3	24.2	3.9	9.2	7.1
Monona	0.0	-21.5	-2.7	-7.4	-12.9	0.0	25.7	2.8	7.3	13.9
Monroe	0.0	-17.9	-6.8	-6.3	-6.0	0.0	19.7	7.1	6.0	5.4
Montgomery	-2.2	-17.9	-3.2	-8.7	-1.9	2.2	16.1	3.4	8.6	1.2
Muscatine		-13.2	-9.1	-2.9	-1.4	0.0	13.5	10.1	2.3	0.8
O'Brien	0.0			-7.1	-2.3	1.2	16.7	6.4	6.8	1.4
Osceola	-1.4	-16.1	-6.3	-7.1 - 3. 7	-2.3 -7.7	0.0	17.2	5.7	3.3	7.4
Page	0.0	-16.2	-5.8			2.2	18.8	6.3	6.4	2.8
Palo Alto	-2.1	-17.1	-6.0	-6.5	-3.6	0.0	11.3	4.8	4.3	1.8
Plymouth	0.0	-11.7	-4.9	-4.7	-2.5	1.1	18.2	6.6	7.8	1.6
Pocahontas	-1.0	-16.8	-6.5	-7.8 7.0	-2.5	2.0	29.4	2.0	7.0	16.2
Polk -	-2.0	-26.1	-4.7	-7.0	-14.9		21.4	5.5	9.1	4.6
Pottawattamie	-0.6	-19.0	-5.9	-9.0	-5.0	0.9			7.6	8.2
Powesh i ek	-1.9	-20.8	-4.6	-7.6	-8.5	2.1	24.4	4.6		
Ringgold	-1.4	-25.8	-5.4	-9.8	-11.8	1.5	32.9	5.7	10.1 2.9	12.5 5.8
Sac	0.0	-17.7	-8.9	-3.4	-6.4	0.0	19.2	9.5		
Scott	-2.0	-17.9	-4.8	-8.0	-4.3	2.1	19.8	4.7	7.9	3.9
Shelby	-0.8	-14.6	-7.1	-5.2	-2.2	1.0	15.1	7.3	5.1	1.1
Sioux	0.0	-9.5	-4.8	-2.3	-2.7	0.0	8.8	4.9	1.8	1.8
Story	0.0	-16.9	-6.6	-4.0	-7.4	0.0	18.1	6.5	3.8	6.8
Tama	0.0	-20.1	-6.1	-5.1	-10.3	0.0	23.5	6.4	5.0	10.6
Taylor	-1.3	-26.2	-6.1	-13.7	-7.8	1.4	33.5	6.4	15.0	7.6
Union	-1.4	-24.4	-5.5	-7.6	-12.2	1.6	30.4	5.6	7.6	13.0
Van Buren	0.0	-29.7	-7.1	-9.7	-16.2	0.0	39.9	7.4	10.0	18.4
Wapello	-1.1	-36.2	-6.3	-6.9	-26.1	1.1	53.8	6.5	6.9	33.7
Warren	-1.6	-17.0	-5.2	-4.2	-7.2	1.6	17.6	4.5	3.8	6.8
Washington	-0.9	-19.0	-5.7	-3.9	-9.9	0.7	21.1	5.7	3.7	9.8
Wayne	0.0	-22.1	-6.3	-6.0	-11.6	0.0	26.0	6.3	5.7	12.1
Webster	0.0	-14.7	-4.7	-7.2	-3.5	0.0	15.3	4.8	7.1	2.7
Winnebago	0.0	-22.9	-6.3	-10.2	-8.3	0.0	26.8	5.8	10.8	8.2
Winneshiek	-1.8	-19.4	-2.9	-5.0	-11.0	2.0	22.2	2.8	4.7	11.3
Woodbury	-1.5	-30.1	-5.5	-11.0	-15.5	1.6	41.0	5.7	11.8	17.5
Worth	-2.9	-27.5	-6.8	-13.1	-7.7	3.1	35.4	6.9	14.4	7.4
Wright	-1.1	-27.3	-5.3	-9.6	-14.0	1.3	35.6	5.3	10.2	15.4
State of Iowa	-1.0	-20.0	-5.3	-6.8	-8.5	0.9	22.9	5.3	6.7	8.4

Value of Farm Land in Iowa's Counties: 1950-1990

Michael Duffy, Iowa State University Willis Goudy, Iowa State University

A survey of the value of farm land is conducted annually under the auspices of the lowa Agriculture and Home Economics Experiment Station at lowa 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 derived 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 the 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 lowa 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 lowa has increased steadily again to an average value of \$1,214 in 1990.

Although counties generally follow the state trends from 1950 to the present, the value of an acre of farm land varies considerably across Iowa. In 1990, for example, the value in Decatur was estimated at \$485, while it was \$1,845 in Scott. Twenty-seven counties had values below \$1,000 per acre, while 25 were at \$1,500 or more. 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 lowa increased at a moderate rate in the 1950s (+19.7%), escalated somewhat in the 1960s (+60.5%), and rocketed upward in the 1970s (+393.1%), only to fall in the most recent decade (-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% in 16 counties, while gains of at least 30% occurred in 15 others.

In the decade of great gain (the 1970s), farm land jumped in value by at least 450% in seven counties (Chickasaw, Floyd, Franklin, Hancock, Kossuth, Winnebago, Worth), most of which are in north-central lowa. Although all gained by at least 300%, 20 increased by less than 350%. In contrast, all counties had lower farm land values in 1990 than in 1980. Eight (Cerro Gordo, Floyd, Fremont, 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 lowa.

Data comparing 1980 with 1990 mask a reversal in the trend of farm land values, however. From 1981 to 1986, average values declined steadily; they increased from 1986 to 1990. In the first period, declines reached 63.3% for the state (Table 3). In no county did the value of farm land drop by less than 60%. In some, the figures for 1986 were only about a third of what they had been for an average acre in 1981.

Table 1. Value (in \$ per acre) of Farm Land in lowe Counties, 1950-1990.

County	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1970	1960	1950
Adair	734	674	619	557	507	606	833	1035	1176	1367	1335	308	168	152
Adams	76 9	715	667	578	519	612	835	1047	1156	1372	1312	291	170	159
Allamakee	770	697	611	532	483	592	856	1062	1143	1300	1227	233	145	115
Appenoose	502	455	423	373	351	421	581	747	891	1007	906	206	108	97
Audubon	1217	1149	1072	850	751	851	1164	1525	1608	1965	1937	394	249	227
Benton	1415	1316	1199	1004	915	1121	1649	1988	2101	2479	2404	506	323	268
Black Hawk	1515	1420	1330	1095	1010	1258	1867	2280	2432	2918	2812	553	347	257
Boone	1553	1435	1340	1094	987	1174	1762	2159	2272	2685	2592	545	341	283
Bremer	1324	1235	1108	931	861	1082	1588	1934	2078	2463	2259	420	267	193
Buchanan	1336	1248	1132	953	883	1112	1629	1949	2091	2479	2269	419	255	190
Buena Vista	1649	1576	1470	1129	974	1099	1590	2202	2257	2773	2738	522	355	311
Butler	1385	1309	1239	1013	921	1143	1696	2083	2217	2680	2566	478	304	231
Calhoun	1682	1572	1414	1132	1006	1179	1752	2266	2366	2833	2805	568	365	309
Carroll	1523	1439	1320	1014	891	994	1415	1962	2014	2450	2425	473	314	288
Cass	1006	939	873	748	668	782	1066	1341	1463	1751	1731	379	221	206
Cedar	1504	1418	1289	1184	1105	1443	2010	2273	2425	2792	2612	565	365	281
Cerro Gordo	1437	1372	1307	1063	957	1192	1764	2203	2342	2857	2735	503	312	230
Cherok ee	1402	1329	1243	950	832	922	1290	1813	1862	2280	2309	452	295	260
Chickasaw	1082	1008	920	774	715	898	1317	1605	1725	2042	1876	341	207	159
Clarke	591	538	482	429	399	478	659	831	977	1114	1059	257	143	123
Clay	1521	1454	1348	1035	893	1007	1456	2002	2051	2519	2478	464	307	260
Clayton	976	884	765	666	604	741	1072	1355	1458	1659	1583	328	216	169
Clinton	1246	1162	1073	985	918	1193	1673	1909	2050	2331	2163	428	265	204
Crawford	1260	1194	1124	868	763	852	1176	1601	1663	2041	2027	396	259	242
Dallas	1253	1161	1041	854	768	909	1332	1658	1757	2087	2061	429	266	236
Davis	627	579	544	475	440	536	746	917	1035	1202	1100	242	138	121
Decatur	485	439	392	347	326	391	540	684	817	922	837	197	113	99
Delaware	1432	1314	1194	1043	957	1195	1722	2077	2234	2565	2347	445	265	195
Des Moines	1137	1064	985	854	781	964	1349	1634	1763	2095	2007	445	257	197
Dickinson	1392	1319	1202	908	793	869	1236	1795	1823	2225	2139	396	256	230
Dubuque	1298	1180	1054	924	841	1040	1498	1867	2008	2285	2175	406	245	181
Emmet	1568	1499	1387	1065	919	1037	1500	2026	2076	2551	2486	454	294	246
Fayette	1250	1149	1046	895	8 20	1018	1483	1845	1984	2304	2133	391	231	168

Table 1. Value (in \$ per acre) of Farm Land in Iowa Counties, 1950-1990 (continued).

County	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1970	1960	1950
Floyd	1238	1169	1119	924	862	1096	1618	1949	2093	2527	2387	351	278	202
Franklin	1532	1473	1389	1113	965	1167	1736	2198	2308	2837	2788	502	318	251
Fremont	983	909	839	760	683	816	1118	1370	1522	1793	1835	407	233	216
Gr eene	1462	1362	1244	995	890	1037	1526	1987	2077	2479	2444	514	324	279
Grundy	1606	1493	1403	1149	1047	1272	1899	2339	2477	2947	2833	562	346	270
Guthrie	1084	1017	939	754	671	775	1084	1373	1455	1763	1738	354	217	197
Hamilton	1717	1614	1498	1211	1068	1272	1904	2388	2505	3013	2900	566	351	295
Hancock	1519	1464	1375	1105	962	1173	1740	2209	2326	2865	2778	504	315	242
Hardin	1578	1484	1395	1127	994	1184	1772	2199	2306	2775	2688	512	320	265
Harrison	1026	964	882	728	647	748	1016	1298	1399	1694	1657	350	212	202
Henry	1098	1027	932	808	738	911	1276	1518	1638	1947	1830	410	254	205
Howard	955	889	803	676	625	784	1150	1412	1517	1796	1645	305	191	149
Humboldt	1669	1595	1510	1208	1042	1243	1855	2399	2509	3069	3048	582	364	297
i da	1401	1327	1247	965	848	949	1307	1770	1842	2262	2278	462	294	260
I она	1179	1103	1013	855	773	947	1364	1609	1684	2018	1953	430	283	242
Jackson	1099	1012	940	843	776	983	1398	1670	1795	2041	1912	369	222	168
Jasper	1225	1146	1078	916	831	1021	1458	1720	1816	2171	2060	447	285	242
Jefferson	842	789	700	606	554	684	958	1107	1195	1420	1303	288	177	154
Johnson	1409	1329	1228	1089	1000	1275	1783	2039	2148	2539	2365	510	324	260
Jones	1170	1088	980	895	832	1076	1513	1732	1860	2116	1985	395	253	200
Keokuk	1065	1005	885	763	691	861	1210	1380	1438	1740	1611	360	241	211
Kossuth	1612	1563	1447	1143	966	1146	1700	2206	2296	2852	2804	499	322	262
Lee	936	865	814	711	657	802	1116	1396	1577	1831	1740	391	223	177
Linn	1465	1375	1254	1135	1056	1367	1923	2203	2351	2710	2492	510	323	261
Louisa	1320	1246	1108	984	904	1153	1612	1842	1942	2293	2108	445	270	218
Lucas	549	497	459	406	382	457	632	787	939	1061	980	229	126	110
Lyon	1395	1322	1235	933	814	892	1270	1869	1897	2316	2325	447	296	265
Madison	905	834	718	637	577	689	960	1193	1333	1559	1482	327	181	167
Mahaska	1047	979	859	745	681	841	1177	1401	1512	1797	1689	386	240	205
Marion	955	881	808	706	654	7 97	1108	1363	1545	1790	1695	390	224	186
Marshall	1349	1254	1170	971	877	1059	1557	1865	1957	2329	2232	473	303	260
Mills	997	922	862	781	702	838	1148	1438	1598	1881	1884	418	234	220
Mitchell	1180	1114	1057	888	829	1054	1555	1889	2028	2449	2319	426	265	191

Table 1. Value (in \$ per acre) of Farm Land in Iowa Counties, 1950-1990 (continued).

County	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1970	1960	1950
Monona	1019	965	912	715	632	715	966	1233	1302	1605	1560	320	198	186
Monroe	647	599	530	462	427	522	727	879	982	1146	1062	240	146	130
Montgomery	907	838	789	716	643	768	1052	1318	1464	1724	1751	411	232	221
Muscatine	13 69	1290	1169	1065	990	1287	1793	2052	2183	2528	2311	493	307	244
O'Brien	1 <i>7</i> 55	1663	1555	1175	1026	1124	1599	2310	2345	2863	2810	523	346	302
Osceol a	1532	1452	1357	1025	895	981	1396	2011	2042	2493	2475	464	302	263
Page	811	749	706	640	575	687	941	1220	1355	1595	1626	392	226	216
Palo Alto	1501	1446	1333	1040	887	1029	1510	1968	2033	2514	2511	465	303	249
Plymouth	1362	1290	1224	947	833	932	1283	1736	1806	2218	2254	459	- 288	253
Pocahontas	1644	1577	1464	1159	995	1173	1738	2272	2364	2905	2891	560	373	311
Polk	1367	1265	1177	977	886	1063	1565	1967	2097	2473	2400	513	312	270
Pottawattamie	1057	984	909	786	702	825	1126	1433	1568	1872	1848	410	238	224
Po wes hiek	1175	1101	1027	868	785	963	1385	1620	1695	2033	1959	425	268	240
Ringgold	566	517	471	420	388	465	640	806	937	1075	1001	240	137	127
Sac	1589	1501	1377	1058	930	1037	1476	2052	2107	2564	2543	496	327	294
Scott	1845	1739	1566	1463	1376	1820	2528	2856	3064	3484	3207	664	423	330
Shelby	1120	1052	996	816	725	835	1133	1486	1595	1937	1980	430	261	236
Sioux	1510	1431	1346	1028	900	996	1396	1966	2018	2470	2506	503	324	287
Story	1608	1488	1379	1129	1019	1216	1818	2239	2355	2788	2691	552	339	282
Tama	1275	1186	1105	913	828	1004	1483	1806	1903	2266	2192	456	290	245
Taylor	647	594	544	489	446	533	<i>7</i> 32	910	1037	1203	1161	279	159	147
Union	678	619	566	505	466	558	769	978	1138	1304	1255	309	172	149
Van Buren	699	647	598	522	483	589	821	993	1117	1300	1202	274	156	135
<i>i</i> apello	757	708	632	548	500	618	865	1021	1101	1309	1218	268	167	147
larren	966	882	793	688	636	761	1072	1384	1584	1820	1667	384	213	181
lash ington	1368	1291	1151	992	899	1120	1574	1785	1860	2251	2079	466	314	261
layne	544	493	454	401	377	452	624	800	955	1079	976	225	124	110
lebster	1681	1580	1460	1180	1041	1240	1856	2354	2470	2969	2878	571	357	294
tinnebago	1399	1347	1246	1001	872	1063	1578	2020	2126	2619	2574	454	282	221
linneshiek	989	908	820	701	642	797	1161	1444	1553	1803	1670	318	199	156
loodbury	1119	1060	1002	783	691	781	1059	1390	1463	1802	1759	350	224	209
orth	1340	1279	1187	966	871	1084	1604	1998	2124	2590	2503	444	275	207
iright	1722	1646	1529	1224	1055	1259	1878	2401	2511	3072	2921	554	348	292
State of lowa	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 Decade in Iowa Counties, 1950-1990.

	1980-	1970-	1960-	1950-		1980-	1970-	1960-	1950
County	1990	1980	1970	1960	County	1990	1980	1970	1960
Adair	-45.0	333.4	83.3	10.5	Jefferson	-35.4	352.4	62.7	14.9
Adams	-41.4	350.9	71.2	6.9	Johnson	-40.4	363.7	57.4	24.6
Allamakee	-37.5	426.6	60.7	26.1	Jones	-41.1	402.5	56.1	26.5
Appanoose	-44.6	339.8	90.7	11.3	Keokuk	-33.9	347.5	49.4	14.2
Audubon	-37.2	391.6	58.2	9.7	Kossuth	-42.5	461.9	55.0	22.9
Benton	-41.1	375.1	56.7	20.5	Lee	-46.2	345.0	75.3	26.0
Black Hawk	-46.1	408.5	59.4	35.0	Linn	-41.2	388.6	57.9	23.8
Boone	-40.1	375.6	59.8	20.5	Louisa	-37.4	373.7	64.8	23.8
Bremer	-41.4	437.9	57.3	38.3	Lucas	-44.0	328.0	81.8	14.6
Buchanan	-41.1	441.5	64.3	34.2	Lyon	-40.0	420.1	51.0	11.7
Buena Vista	-39.7	424.5	47.0	14.2	Madison	-38.9	353.2	80.7	8.4
Butler	-46.0	436.8	57.2	31.6	Mahaska	-38.0	337.6	60.8	17.1
Calhoun	-40.0	393.8	55.6	18.1	Marion	-43.7	334.6	74.1	20.4
Carroll	-37.2	412.7	50.6	9.0	Marshall	-39.6	371.9	56.1	16.5
Cass	-41.9	356.7	71.5	7.3	Mills	-47.1	350.7	78.6	6.4
Cedar	-42.4	362.3	54.8	29.9	Mitchell	-49.1	444.4	60.8	38.7
Cerro Gordo	-47.5	443.7	61.2	35.6	Monona	-34.7	387.5	61.6	6.4
Cherokee	-39.3	410.8	53.2	13.5	Monroe	-39.1	342.5	64.4	12.3
Chickasaw	-42.3	450.2	64.7	30.2	Montgomery	-48.2	326.0	77.2	5.0
Clarke	-44.2	312.1	79.7	16.3	Muscatine	-40.8	368.8	60.6	25.8
Clay	-38.6	434.0	51.1	18.1	O'Brien	-37.5	437.3	51.2	14.6
Clayton	-38.3	382.6	51.8	27.8	Osceola	-38.1	433.4	53.6	14.8
Clinton	-42.4	405.4	61.5	29.9	Page	-50.1	314.8	73.4	4.6
Crawford	-37.8	411.9	52.9	7.0	Palo Alto	-40.2	440.0	53.5	21.7
Dallas	-39.2	380.4	61.3	12.7	Plymouth	-39.6	391.1	59.4	13.8
Davis	-43.0	354.6	75.4	14.0	Pocahontas	-43.1	416.2	50.1	19.9
Decatur	-42.0	324.9	74.3	14.1	Polk	-43.0	367.8	64.4	15.6
Delaware	-39.0	427.4	67.9	35.9	Pottawattamie	-42.8	350.7	72.3	6.2
Des Moines	-43.4	351.0	73.2	30.5	Poweshiek	-40.0	360.9	58.6	11.7
Dickinson	-34.9	440.2	54.7	11.3	Ringgold	-43.5	317.1	75.2	7.9
Dubuque	-40.3	435.7	65.7	35.4	Sac	-37.5	412.7	51.7	11.2
Emmet	-36.9	447.6	54.4	19.5	Scott	-42.5	383.0	57.0	28.2
fayette	-41.4	445.5	69.3	37.5	Shelby	-43.4	360.5	64.8	10.6
Floyd	-48.1	580.1	26.3	37.6	Sioux	-39.7	398.2	55.2	12.9
Franklin	-45.1	455.4	57.9	26.7	Story	-40.2	387.5	62.8	20.2
Fremont	-45.0			7.9	Tama	-41.8	380.7	57.2	18.4
		350.9	74.7			-44.3		75.5	
Greene	-40.2	375.5	58.6	16.1	Taylor		316.1		8.2
Grundy Cush-i-	-43.3	404.1	62.4	28.2	Union	-46.0	306.2	79.6	15.4
Guthrie	-37.6	391.0	63.1	10.2	Van Buren	-41.8	338.7	75.6	15.6
Hamilton	-40.8	412.4	61.2	19.0	Wapello	-37.8	354.5	60.5	13.6
Hancock	-45.3	451.2	60.0	30.2	Warren	-42.0	334.1	80.3	17.7
Hardin	-41.3	425.0	60.0	20.8	Washington	-34.2	346.1	48.4	20.3
Harrison	-38.1	373.4	65.1	5.0	Wayne	-44.3	333.8	81.4 50.0	12.7
Henry	-40.0	346.3	61.4	23.9	Webster	-41.6	404.0	59.9	21.4
Howard	-42.0	439.3	59.7	28.2	Winnebago	-45.6	467.0	61.0	27.6
Humboldt	-45.2	423.7	59.9	22.6	Winneshiek	-40.8	425.2	59.8	27.6
lda 	-38.5	393.1	57.1	13.1	Woodbury	-36.4	402.6	56.2	7.2
COMB	-39.6	354.2	51.9	16.9	Worth	-46.5	463.7	61.4	32.8
Jackson	-42.5	418.2	66.2	32.1	Wright	-41.0	427.3	59.2	19.2
lasper	-40.5	360.8	56.8	17.8	State of Iowa	-41.2	393.1	60.5	19.7

Table 3. Percentage Change in Per Acre Value of Farm Land by Selected Periods in the 1980s in Iowa Counties.

	1989-	1986-	1981 -		1989-	1986-	1981
County	1990	1990	1986	County	1990	1990	198
		.	(2.0	laffanan	6.7	52.0	• •
Adair Adams	8.9	44.8	-62.9	Jefferson	6.0		-61.0
· · · -	7.6	48.2	-62.2	Johnson		40.9	-60.6
Allamakee	10.5	59.4	-62.8	Jones	7.5	40.6	-60.7
Appanoose	10.3	43.0	-65.1	Keokuk	6.0	54.1	-60.3
Audubon	5.9	62.0	-61.8	Kossuth	3.1	66.9	-66.
Benton	7.5	54.6	-63.1	Lee	8.2	42.5	-64.1
Black Hawk	6.7	50.0	-65.4	Linn	6.6	38.7	-61.0
Boone	8.2	57.4	-63.2	Louisa	5.9	46.0	-60.6
Bremer Brightener	7.2	53.8	-65.0	Lucas	10.5	43.7	-64.0
Buchanan Bucha	7.0	51.3	-64.4	Lyon	5.5	71.4	-64.8
Buena Vista	4.6	69.3	-64.9	Madison	8.5	56.8	-63.0
Butler Calhoun	5.8	50.4	-65.6	Mahaska 	7.0	53.7	-62.1
	7.0	67.2	-64.4	Marion	8.4	46.0	-63.5
Carroll	5.8	70.9	-63.6	Marshall	7.6	53.8	-62.3
Cass	7.1	50.6	-61.8	Mills	8.1	42.0	-62.7
Cedar Conno Condo	6.1	36.1	-60.4	Mitchell	5.9	42.3	-66.2
Cerro Gordo	4.7	50.2	-66.5	Monona	5.6	61.2	-60.6
Cherokee Chickasaw	5.5	68.5	-63.5	Monroe	8.0	51.5	-62.7
Clarke	7.3	51.3	-65.0	Montgomery	8.2	41.1	-62.7
Clay	9.8	48.1	-64.2	Muscatine	6.1	38.3	-60.8
Clayton	4.6	70.3	-64.6	O'Brien	5.5	71.0	-64.2
Clinton	10.4	61.6	-63.6	Osceola	5.5	71.2	-64.1
Crawford	7.2	35.7	-60.6	Page	8.3	41.0	-64.0
Dallas	5.5 7.9	65.1	-62.6	Palo Alto	3.8	69 .2	-64.7
)avis		63.2	-63.2	Plymouth	5.6	63.5	-62.4
ecatur	8.3 10.5	42.5	-63.4	Pocahontas	4.2	65.2	-65.8
elaware		48.8	-64.6	Polk	8.1	54.3	-64.2
Des Moines	9.0	49.6	-62.7	Pottawattamie	7.4	50.6	-62.5
ickinson	6.9	45.6	-62.7	Powesh i ek	6.7	49.7	-61.4
Oubuque	5.5	75.5	-64.4	Ringgold	9.5	45.9	-63.9
imme t	10.0	54.3	-63.2	Sac	5.9	70.9	-63.7
ayette	4.6	70.6	-64.0	Scott	6.1	34.1	-60.5
loyd	8.8	52.4	-64.4	Shelby	6.5	54.5	-62.6
ranklin	5.9	43.6	-65.9	Sioux	5.5	67.8	-63.6
remont	4.0	58.8	-66.0	Story	8.1	57.8	-63.4
reene	8.1	43.9	-61.9	Tama	7.5	54.0	-63.5
rundy	7.3	64.3	-64.1	Taylor	8.9	45.1	-62.9
uthrie	7.6	53.4	-64.5	Union	9.5	45.5	-64.3
amilton	6.6	61.6	-61.9	Van Buren	8.0	44.7	-62.8
	6.4	8.06	-64.6	Wapello	6.9	51.4	-61.8
ancock ardin	3.8	57.9	-66.4	Warren	9.5	51.9	-65.0
	6.3	58.8	-64.2	Washington	6.0	52.2	-60.1
errison ency	6.4	58.6	-61.8	Wayne	10.3	44.3	-65.1
enry	6.9	48.8	-62.1	Webster	6.4	61.5	-64.9
oward umbolidt	7.4	52.8	-65.2	Winnebago	3.9	60.4	-66.7
umboldt de	4.6	60.2	-66.0	Winneshiek	8.9	54.0	-64.4
de	5.6	65.2	-62.5	Woodbury	5.6	61.9	-61.6
owa nakaon	6.9	52.5	-61.7	Worth	4.8	53.8	-66.4
ackson asper	8.6 4.0	41.6	-62.0	Wright	4.6	63.2	-65.7
4 a i / T	6.9	47.4	-61.7				

Farm land values escalated again from 1986 through 1990; the average acre in lowa gained 54.3% in 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. Seventeen counties had increases in farm land values of at least 65%, while the gains in 21 others were less than 45%. Increases were greatest (+70%) in eight counties in northwestern lowa (Carroll, Clay, Dickinson, Emmet, Lyon, O'Brien, Osceola, Sac). Gains of less than 40% occurred in five counties in the east-central section of the state (Cedar, Clinton, Linn, Muscatine, Scott) from 1986 through 1990.

Note: Annual data from 1950 through 1990 are available from Michael Duffy, Department of Economics, 560 Heady Hall, Iowa State University, Ames, IA 50011.

Vehicles Registered in Iowa's Counties: 1984-1990

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

The lowa Department of Transportation is charged with keeping records of vehicles registered in the State of lowa. The two categories with the greatest numbers of vehicles are those for autos (Table 1) (61.3% of all registered) and trucks (Table 2) (22.2% of all registered) in 1990. The total number of vehicles listed for the state was 3,067,837 in 1990, an increase of 134,823 from the 2,933,014 reported in 1984 (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. In 1990, the count of vehicles was greater than the number of people indicated in the census that year. Autos and trucks totaled 2,562,285 in 1990; potential drivers (residents 14 and older) numbered 2,208,500 according to the census.

The number of autos registered in 1990 was 136,000 higher than the number reported in 1984. The peak was in 1987, when more than 1,936,000 were listed. In 1990, nearly 1,880,000 were reported. The number of truck registrations also peaked in 1987 (684,600). When 1984 and 1990 are compared, trucks increased by more than 51,500.

The number of automobiles registered in 1990 varied from less than 10,000 in 45 counties to more than 50,000 in eight. Linn (119,665), Polk, (234,947), and Scott (106,397) were the only counties with more than 100,000; six (Adams, Audubon, Osceola, Ringgold, Taylor, Wayne) were under 5,000. Only six counties (Audubon, Cass, Clinton, Greene, Palo Alto, Pocahontas) had fewer automobile registrations in 1990 than in 1984, although another eight increased by less than 100. Gains over 1,000 occurred in 34 counties; six of these increased by at least 5,000, led by Linn (+16,199) and Polk (+17,520).

Truck registrations also varied by county in 1990, with 54 reporting fewer than 5,000 and 10 with more than 10,000. Increases between 1984 and 1990 ranged from less than 100 in 17 counties to more than 500 in 23 others. The greatest gains occurred in Polk (+5,402) and Linn (+4,489); the next greatest increase was among trucks used for official purposes (+3,114). Only five counties (Calhoun, Emmet, Greene, Palo Alto, Wright) had fewer trucks in 1990 than in 1984.

When auto and truck registrations are summed, their totals exceed the number of residents of all ages in 30 counties in 1990. At least 500 more automobiles and trucks than people were counted in four counties (Fremont, Greene, Harrison, Monona), while residents were outnumbered by cars and trucks by at least 100 in another 21 counties.

Total vehicle registrations ranged widely across the state. Polk's 328,135 was more than twice the number in every county except Linn (175,588). Black Hawk (124,398) and Scott (150,730) also had at least 100,000 registered vehicles. Eleven counties reported fewer than 10,000 vehicles, although only two (Adams, 6,359; Ringgold, 7,097) were under 8,000. Seventeen counties had declines in the total number of vehicles registered; two were in excess of 1,000 (Black Hawk, -3,139; Webster, -1,212), although both of these counties had increases in the numbers of automobiles and trucks over this period. Gains topped 5,000 in seven counties (Johnson, Linn, Polk, Pottawattamie, Scott, Story, Woodbury) plus those used for official purposes.

Note: See an annual publication called VEHICLE FLEET SUMMARY for more detailed information on vehicles (lowa Department of Transportation, Office of Vehicle Registration, Park Fair Mall, 100 Euclid Ave., Des Moines, IA 50306-9204).

Table 1. Automobile Registrations in Iowa Counties, 1984-1990.

County	1990	1989	1988	1987	1986	1985	1984
Adair	5451	5382	5309	5540	5490	5516	5323
Adams	3293	3308	3338	3601	3496	2896	3287
Allamakee	8963	87 96	8598	9274	9060	9003	8182
Appanoose	9085	8867	8732	9425	9129	88 <i>7</i> 9	8304
Audubon	4694	4695	4637	4984	4964	4974	4839
Benton	15087	14782	14359	14853	14407	11413	13197
Black Hawk	82961	81398	79951	84389	83443	84727	81044
Boone	17081	16938	16661	17293	16836	13907	14964
Bremer	15269	15025	14625	15240	15094	15078	14408
Buchanan	12872	12646	12402	13204	12901	12730	12121
Buena Vista	13059	12812	12570	13263	13289	13369	12708
Butler	10983	10812	10648	10910	10719	10716	10307
Calhoun	7851	7808	7763	8027	7873	7975	7841
Carroll	13871	13686	13560	14212	14041	13993	13352
Cass	10502	10434	10389	11269	11319	11409	10769
Cedar	11901	11699	11401	11605	11229	9257	10698
Cerro Gordo	32535	32338	31705	33118	32648	32825	31248
Cherokee	9726	9594	9476	10159	9975	10043	9633
Chickasaw	9345	9225	9089	9611	9469	9545	9028
Clarke	5363	5317	5292	5567	5383	5283	4887
Clay	12314	12086	11901	12391	12235	10138	11804
Clayton	11876	11590	11460	12300	12056	12011	11247
Clinton	33369	32714	32297	36608	36913	36599	33495
Crawford	10940	10881	10879	11990	11775	11648	10905
Dallas	20756	20272	19907	20412	19450	16163	18080
Davis	5266	5248	5141	6211	5876	5710	5179
Decatur	5060	4947	4832	5016	4945	4891	4559
Delaware	11554	11473	11279	11533	11192	11040	10430
Des Moines	29344	28853	28472	31200	30894	30351	27856
Dickinson	10512	10310	10161	10468	10093	9989	9391
Dubuque	54753	53979	53065	59065	58656	57520	52209
Emmet	7799	7646	7530	8126	7991	8067	7619
Fayette	14701	14463	14106	14820	14560	14579	13854
Floyd	11869	11824	11630	12487	12305	12370	11688
Franklin	7952	7845	7767	8038	7936	6547	7259
Fremont	5686	5541	5472	5849	5663	5615	5298
Greene	7065	7072	7017	7409	7294	7330	7191
Grundy	8507	8398	8327	8577	8479	8520	8363
Guthrie	7474	7363	7262	7336	7070	7051	6793
Hamilton	11433	11340	11245	11649	11324	11283	10780
Hancock	8560	8526	8398	8564	8396	8423	8057
Hardin	13075	12890	12789	13787	13652	13658	13069
Harrison	10261	9911	9881	11400	10829	8441	9379
Henry	11806	11479	11265	12122	11830	11561	10709
Howard	6710	6539	6452	6897	6624	6694	6283
Humbol dt	7673	7601	7478	7820	7776	7738	7395
Ida	5755	5628	5557	5749	5559	5534	5263
Iona	9977	9878	9651	9975	9849	9854	9392
Jackson	13195	12807	12667	13935	13453	13195	12105
	· · · -			/ - /		10173	12103

Table 1. Automobile Registrations in Iowa Counties, 1984-1990 (continued).

County	1990	1989	1988	1987	1986	1985	1984
Jefferson	11380	10957	10796	11989	11703	11442	10325
Johnson	54317	52539	50609	51472	49942	48663	44503
Jones	12340	12151	11815	12269	11970	11739	11104
Keokuk	7732	7704	7606	7920	7821	7790	7417
Kossuth	13205	13137	13050	13571	13437	13615	13165
Lee	25860	25439	25100	27928	26883	22370	24563
Linn	119665	117698	115005	119389	116859	113211	103466
Louisa	7612	7504	7301	7418	7162	7000	6600
Lucas	5943	5847	5781	6081	6036	5997	5708
Lyon	7850	7696	7590	8355	8118	8126	7578
Madison	8163	7999	7859	7863	7589	7546	7041
Mahaska	13905	13672	13442	14192	13829	13701	12868
Marion	18872	18495	18077	18722	18198	17917	16880
Marshall	26867	26584	26154	26982	26723	26734	25453
Mills	8728	85 13	8343	8826	8538	8328	7468
Mitchell	7569	7435	7215	7866	7690	7705	7185
Monona	6796	6681	6561	6837	6669	6662	6278
Monroe	5359	5318	5339	5556	5378	5382	5119
Montgomery	8244	81 69	7996	8476	8220	6858	7782
Muscatine	26746	26135	25507	27298	26899	26792	24652
O'Brien	10376	10146	10056	10876	10677	10699	10262
Osceol a	4859	4823	4800	5015	4921	5016	4743
Page	11098	11013	10694	11452	11284	11286	10645
Palo Alto	6904	6848	6851	7203	7082	7226	7038
Plymouth	15117	14777	14491	16698	16578	16103	14665 6752
Pocahontas	6702	6705	6717	6963	6915 235431	6952 237309	217427
Polk	234947	228496	222361	240456	69462	64682	55852
Pottawattamie	60328	59648	59082	72252	12091	11904	10971
Poweshiek	12017	11867	11626 3367	12287 3576	3563	3559	3345
Ringgold	3562	3450 8180	3367 8040	8379	8361	8378	8168
Sac	8237		107838	114677	111386	109691	96996
Scott	106397 9027	103022 9008	8976	9323	9085	9091	8716
Shelby	9027 17346	16916	16675	18075	17586	17737	16624
Sioux	****	41213	40186	41202	39264	32440	36172
Story	41938	11717	11385	11830	11726	11659	11126
Tama	11808 4697	4723	4651	4856	4788	4773	4513
Taylor	8658	8498	8309	8667	8536	8332	7794
Union Van Buren	5000	4930	4811	5224	5134	5101	4699
Wapello	23878	23674	23098	24198	24030	24125	22502
Warren	23992	23474	23011	23398	22468	22103	20504
Washington	12871	12562	12301	12748	12479	12414	11718
Wayne	4658	4594	4574	4844	4820	4800	4458
Webster	27252	27019	26499	27790	27637	27958	26669
Winnebago	8658	8579	8757	8942	8640	8557	8063
Winneshiek	12583	12414	12148	12938	12657	12628	11683
Woodbury	64862	63111	61681	66746	64640	63420	58054
Worth	5696	5694	5631	5843	5751	5834	5471
Wright	9780	9730	9657	9910	9564	8051	9537
Official	9516	9189	9112	9115	8579	8084	7791
Unknown	386	412	349	451	507	2090	1445
	1879715	1844690	1816794	1936356	1894167	1848817	1743299

Table 2. Truck Registrations in Ioua Counties, 1984-1990.

County	1990	1289		1-67		1985	
Mir	334				118	3197	3117
kians	2032	2038	2023	2127	1994	1695	1921
Allamakee	42%	4172	4094	4263	4794	1993	37.0
Appenoose	44.17	4329	4225	43	4249	4139	1926
Action	2845	25/%	2566	28.54	25/4	3	2514
Senton		8800	&%		5.34	5229	6206
Black Haut	21816	21233		21862	21965	22347	21789
Boone	6624	6 2	S		6201	277	5512
i and	5767	34 %	5554	3655	5473	Table 1	5297
Bichman		5515	5402	55%	5392	53%	5252
Rema Vista	5049	4780	49.2	515		55 15	4853
Actier		4745	4736	4245	4722	4843	4784
Calhoun	3553	35.09	3459	3518	3422	3538	3578
Carroll	5862	3773	1666	5735	5774	5402	5614
Casa	5022	4929	4786	5200	5167	5146	4963
Ceder	5328	3274	5210	5276	多族性	4208	5018
Cerro Cordo	9542	78	9157	% 7%	9590	% 14	9141
Charokee	4226	4161	4117	4218	4206	4272	4202
Chickasau	3816	1712	3.3	3942		3403	146
Carte	2812	2772	2743	2818	17.0	2634	149
	4406	4435	4357	45%	4391	3738	4358
	527		5820	6105	5962		*306 5723
	1125		10444	11643	11405	11410	
	3441	139		5540	3413	1	12680
)allas	327 1	2074	7070		7.4	24 III	5197
av s	74.7			786 1	2781		7329
lecatur .	7 95 6	26.00				2775	2501
Jelaware	4952	4866	4777	4821	4697	2674	2529
Des Moines	9855	9595	9402	10032	9712	4705	4617
Dickinson	3969	3830	3764	3851	-	9484	8980
Oubuque	14155	13810	13488	15001	3822	3828	3698
imme t	3236	3201	3178		14606	14455	13405
ayette	5977	5850	5688	3335 5911	3311	3387	3274
loyd	4693	4607			5713	5720	5572
ranklin	3561	3564	4550 7547	4861	4781	4759	4620
remont	3310	3286	3567	3573	3526	2954	3315
Greene	3550	3520	3240	3345	3298	3340	3240
irundy	3613		3479 3572	3607	3594	3687	3715
iuthrie	3680	3566 3437	3532	3645	3596	3663	3595
lamilton	4667	3624	3566	3625	3539	3565	3476
lancock	3696	4644	4592	4688	4595	4627	4603
lardin		3622	3593	3839	3773	3766	3625
arrison	5353	5288	5225	5381	5357	5415	5329
lenry	5328 5572	5177 578/	5148	5567	5343	4418	4959
•	5532 3030	5384 700/	5297	5527	5277	5160	4850
оward umboldt	3029 3351	3004	2972	3163	3055	3088	2965
	3351	3308	3234	3277	3286	3329	3320
da	2934	2843	2804	2846	2829	2808	2762
ONB 	4909	4813	4690	4761	4655	4639	4437
ackson	5671	5480	5411	5826	5625	5579	5335
asper	9512	9344	9156	9317	8986	8913	8551

Table 2. Truck Registrations in Iowa Counties, 1984-1990 (continued).

3589 5710	5564	5574 18919	5888 20184	5684 19428	5633 19098	528: 1778:
7500	3555	3560	3531	3426	3452	332:
9351	9216	9051				9342
2665	2568	2540	2640			2517
5647	5547	5494	5545	5469		520
8970	8795	8558	8719	8418	8313	7942
8717	8551	8413	8797	8 <i>7</i> 52	8923	8490
2806	2781	2734	2895	2814	2793	2621
3955	3806	3734	3808	3721	3658	3548
2580	2579	2587	2657	2690	2655	2562
5782	5673	5599	5741	5653		547
11072	10837	10558	10837	10425		9752
7242	6993	6866	7259	6971	7025	6783
4426	4324	4278	4383	4227	4217	4096
25978	24869	25615	26778	26050	25588	22916
4015	3915	3843	3927	3868	3870	3854
2221	2199	2163	2236	2166	2204	2118
5708	5655	5594	5910	5674	5497	5211
21515	21345	21104	23316	22378	21258	18771
54131	52148	50747	54567	53145	52852	48729
3023	3012	2944	2981	2935	2954	2937
6435	6207	6166	6788	6569	6445	6154
3117	3104	3117	3193	3098	3163	3185
4885	4790	4754	4982	4818	4800	4609
2469	2466	2403	2381	2295	2357	2334
4179	4100	4083	4258	4123	4118	4016
				9548	9495	8918
					3192	3649
						2571
						3854
						3200
						3661
						8746
						5605 6946
						3860
		3409				3495
3076	3011	2890				2881
3945	3865	3862		3842		3607
31069	30316	29545	29985	29148	28449	26580
9962	9736	9659	10366	10039	8401	9243
5684	55 73	5464	5652	5580	5664	5617
4165	4146	4094	4296	4097	4147	3998
5439	5362	5270	5440	5323	5304	5173
13223	12913	12522	12741	12388	12217	11554
4152	4080	4023	4389	4332	4298	4128
	13223 5439 4165 5684 9962 31069 3945 3076 3634 4480 6224 7933 9243 4188 3338 4000 2695 3955 9937 4179 2469 4885 3117 6435 3023 54131 21515 5708 2221 4015 25978 4426 7242 11072 5782 2580 3955 2806 8717 8970 5647 2665	4152 4080 13223 12913 5439 5362 4165 4146 5684 5573 9962 9736 31069 30316 3945 3865 3076 3011 3634 3507 4480 4371 6224 6042 7933 7775 9243 8988 4188 4127 3338 3243 4000 3921 2695 2617 3955 3892 9937 9627 4179 4100 2469 2466 4885 4790 3117 3104 6435 6207 3023 3012 54131 52148 21515 21345 5708 5655 2221 2199 4015 3915 25978 24869 4426 4324 7242 6993 11072 10837 5782 5673 2580 2579 3955 3806 2806 2781 8717 8551 8970 8795 5647 5547 2665 2568	4152 4080 4023 13223 12913 12522 5439 5362 5270 4165 4146 4094 5684 5573 5464 9962 9736 9659 31069 30316 29545 3945 3865 3862 3076 3011 2890 3634 3507 3409 4480 4371 4244 6224 6042 5908 7933 7775 7584 9243 8988 8855 4188 4127 4052 3338 3243 3185 4000 3921 3867 2695 2617 2610 3955 3892 3788 9937 9627 9308 4179 4100 4083 2469 2466 2403 4885 4790 4754 3117 3104 3117 6435 6207 6166 3023 3012 2944 54131 52148 50747 21515 21345 21104 5708 5655 5594 2221 2199 2163 4015 3915 3843 25978 24869 25615 4426 4324 4278 7242 6993 6866 11072 10837 10558 5782 5673 5599 2580 2579 2587 3955 3806 3734 2806 2781 2734 8717 8551 8413 8970 8795 8558 5647 5547 5494 2665 2568 2540	4152 4080 4023 4389 13223 12913 12522 12741 5439 5362 5270 5440 4165 4146 4094 4296 5684 5573 5464 5652 9962 9736 9659 10366 31069 30316 29545 29985 3945 3865 3862 3925 3076 3011 2890 3038 3634 3507 3409 3710 4480 4371 4244 4281 6224 6042 5908 6157 7933 7775 7584 7779 9243 8988 8855 9140 4188 4127 4052 4192 3338 3243 3185 3331 4000 3921 3867 4000 2695 2617 2610 2720 3955 3892 3788 3876 9937 9627 9308 9697 4179 4100 4083 4258 2469 2466 2403 2381 4885 4790 4754 4982 3117 3104 3117 3193 6435 6207 6166 6788 3023 3012 2944 2981 54131 52148 50747 54567 21515 21345 21104 23316 5708 5655 5594 5910 2221 2199 2163 2236 4015 3915 3843 3927 25978 24869 25615 26778 4426 4324 4278 4383 5724 6993 6866 7259 11072 10837 10558 10837 5782 5673 55599 5741 2580 2579 2587 2657 3955 3806 3734 3808 2806 2781 2734 2895 8717 8551 8413 8797 8970 8795 8558 8719 5647 5547 5494 5545	4152 4080 4023 4389 4332 13223 12913 12522 12741 12388 5439 5362 5270 5440 5323 4165 4146 4094 4296 4097 5684 5573 5464 5652 5580 9962 9736 9659 10366 10039 31069 30316 29545 29985 29148 3945 3865 3862 3925 3842 3076 3011 2890 3038 2966 3634 3507 3409 3710 3590 4480 4371 4244 4281 4080 6224 6042 5908 6157 6020 7933 7775 7584 7779 7520 9243 8988 8655 9140 9020 4188 4127 4052 4192 4060 3338 3243 3185 3331 3245 4000 3921 3867 4000 3901 2695 2617 2610 2720 2686 3955 3892 3788 3876 3707 9937 9627 9308 9697 9548 4179 4100 4083 4258 4123 2469 2466 2403 22381 2295 4885 4790 4754 4982 4818 3117 3104 3117 3193 3098 6435 6207 6166 6788 6569 3023 3012 2944 2981 2935 54131 52148 50747 54567 53145 21515 21345 21104 23316 22378 55708 5655 5594 5910 5674 2221 2199 2163 2236 2166 4015 3915 3843 3927 3868 25978 24869 25615 26778 26050 4426 4324 4278 4383 4227 7242 6993 6866 7259 971 11072 10837 10558 10837 10425 5782 5673 5599 5741 5653 2580 2579 2587 2657 2690 3995 8795 8558 8719 8418 8717 8551 8413 8797 4752 8970 8795 8558 8719 8418 8717 8551 8413 8797 4752 8970 8795 8558 8719 8418	4152 4080 4023 4389 4332 4298 13223 12913 12522 12741 12388 12217 5439 5362 5270 5440 5323 5304 4165 4146 4094 4296 4097 4147 5684 5573 5464 5652 5580 5664 9962 9736 9659 10366 10039 8401 31069 30316 29545 29985 29148 28449 3945 3865 3862 3925 3842 3799 3076 3011 2890 3038 2966 2949 3634 3507 3409 3710 3590 3621 4480 4371 4244 4281 4080 4013 6224 6042 5908 6157 6020 5918 7933 7775 7584 7779 7520 7375 9243 8988 8855 9140 9020 8970 4188 4127 4052 4192 4060 3960 3338 3243 3185 3331 3245 3290 4000 3921 3867 4000 3901 3986 2695 2617 2610 2720 2686 2687 3955 3892 3788 3876 3707 3192 9937 9627 9308 9697 9548 9495 4179 4100 4083 4258 4123 4118 2469 2466 2403 2381 2295 2357 4885 4790 4754 4982 4818 4800 3117 3104 3117 3193 3098 3163 6435 6207 6166 6788 6569 6445 5978 5655 5594 5910 5674 5285 2582 21104 23316 22378 21258 25978 24869 25615 26778 26050 25588 4426 4324 4278 4383 4227 4217 7242 6993 6866 7259 6971 7025 11072 10837 10558 10837 10425 8459 25978 24869 25615 26778 26050 25588 4426 4324 4278 4383 4227 4217 7242 6993 6866 7259 6971 7025 11072 10837 10558 10837 10425 8459 25978 24869 25615 26778 26050 25588 4426 4324 4278 4383 4227 4217 7242 6993 6866 7259 6971 7025 11072 10837 10558 10837 10425 8459 1578 25673 5599 5741 5653 5617 2580 2779 2587 25677 2690 2655 38970 8755 3808 3734 3808 3721 3658 3771 3554 3508 3734 3808 3721 3658 3771 3554 3508 3734 3808 3721 3658 3771 3554 3508 3734 3808 3721 3658 3771 3554 3508 3734 3808 3721 3658 3771 3554 3508 3734 3808 3721 3658 3771 3554 3508 3734 3808 3721 3658 3772 35667 5547 5494 5545 5449 5448 3774 26655 2568 2540 2640 2595 2607

Table 3. Total Vehicle Registrations in Iowa Counties, 1984-1990.

Adams 6359 6355 6359 6788 6406 5404 6144 Allamakee 16529 16163 15825 16924 16515 16376 15164 Allamakee 16529 16163 15825 16924 16515 16376 15164 Appanoose 16300 15972 15762 16907 16501 16402 15500 Audubon 8868 8773 8684 9260 9201 9256 8963 Benton 26174 25611 25260 26004 24152 19611 22865 Black Hawk 124398 122376 120719 128643 128263 131405 127533 8600e 28337 28225 27813 28668 27132 22908 24993 Bremer 26149 25735 25223 26178 25915 26020 25030 Buchanan 23147 22766 22338 23531 22948 22969 22180 Bucha Vista 22511 22256 21951 23161 22966 23283 22584 Butler 19868 19604 19415 20156 19819 19989 19238 Cathoun 14278 14180 14089 14585 14434 14759 19980 19236 Cass 18873 18709 18538 20177 20114 20359 19420 Cedar 20746 20506 20136 20494 19321 15897 18664 Cerro Gordo 50205 49918 49090 51520 51115 51280 49062 Cherokee 17456 17220 17035 18105 17907 18176 17684 Chickasaw 16616 16350 16035 17068 16834 16935 16154 Clarke 9845 9764 9632 10108 9889 9683 9007 Clay 20490 20071 19736 20533 19488 16449 19571 Clayton 22541 22152 21754 22980 22564 22532 21324 Clinton 54044 53050 52504 58395 58518 58640 54522 Crawford 19849 19819 19728 21505 21163 21153 20071 Dallas 34476 33796 33320 33898 31666 26642 30839 Davis 9869 9606 9380 10695 10341 10289 9468 Davis 9869 9606 9380 10695 10341 10289 9468 Davis 9869 9606 9380 10695 10341 10289 9468 Davis 9869 9606 9380 10695 10341 10289 9460 Davis 9869 9606 9380 10695 10341 10289 9460 Declaware 20032 19805 19445 19968 19389 19278 18408	County	1990	1989	1988	1987	1986	1985	1984
Al Lamakee 16529 16163 15825 16924 16515 16376 15166 Apparaosee 16300 15972 15762 16907 16501 16402 15500 Apparaosee 16300 15972 15762 16907 16501 16402 15500 Apparaosee 16300 15972 15762 16907 16501 16402 15500 16402 15500 2001 9256 8063 16404 164060 18668 8773 8864 9260 9201 9256 8063 16404 164060 16404 164060 16404 164060 16404 164060 16404 164060 16404 164060 16404 164060 1	Adair	10680	10619	10562	10986	10781	10885	10469
Appanoose 16300 15972 15762 16907 16501 16402 1550. Audubon 8868 8773 8684 9260 9201 9256 896. Benton 26174 25611 25260 26004 24752 19611 22266. Black Hawk 124398 122376 120719 128643 128263 131405 12753. Black Hawk 124398 122376 120719 128643 128263 131405 12753. Black Hawk 24398 122376 120719 128643 128263 27132 22008 2499. Bremer 26149 25735 25223 26178 25915 26020 25033. Buchann 23147 22766 22338 23331 22948 22969 22188. Bucha Wiste 2511 22256 21951 23161 22966 23283 22588. Burlet 19888 19604 19415 20156 19819 19989 19238 Calhoun 14278 14180 14089 14585 14434 14759 14500. Calhoun 14278 14180 14089 14585 14434 14759 14500. Cassa 18873 18709 18538 20177 20114 20359 19426 Cockar 20746 20506 20136 20494 19321 15897 19426 Cockar 20746 20506 20136 20494 19321 15897 14864 Cockar 20746 20506 20136 20494 19321 15897 16154 Cockar 20740 20071 19736 2033 19488 16449 19571 Cockar 20740 20071 19736 2033 19488 10449 19571 Cockar 20740 20741 20152 21754 22980 25544 22552 21324 2150 21150 21160 20506 2	Adams	6359	6355	6359	6788	6406	5404	6146
Auckubon 8868 8773 8684 9260 9201 9256 8966 Benton 26174 25611 25260 26004 24152 19611 22266 Benton 26174 25611 25260 26004 24152 19611 22260 Black Hawk 124398 122376 120719 128643 128263 131405 127353 Bloone 28337 28225 27813 28668 27132 22908 24999 Benen 26149 25735 25223 26178 25915 26020 22908 Buchanan 23147 22766 22338 23531 22948 22966 22186 Buena Vista 22511 22256 21951 23161 22966 23283 22588 Burler 19868 19604 19415 20156 19819 19989 19238 Burler 19868 19604 19415 20156 19819 19989 19238 Calhoun 14278 14180 14089 14585 14434 14759 14507 Carpoll 23462 23355 23134 25182 24780 24996 23956 Calhoun 14278 14180 14089 14585 14434 14759 14507 Cacas 18873 18709 18538 20177 20114 20559 19622 Cacas 18873 18709 18538 20177 20114 20559 19622 Cachar 20746 20506 20136 20494 19321 15897 18664 Cerro Gordo 50205 49918 40900 51520 51115 51280 49062 Cerro Gordo 50205 49918 40900 51520 51115 51280 49062 Cerro Gordo 19205 49918 40900 51520 51115 51280 49062 Cerro Cordo 19205 49918 40900 51520 51115 51280 49062 Cerro Cordo 19205 49918 40900 51520 51115 51280 49062 Cerro Cordo 19205 49918 40900 51520 51115 51280 49062 Cerro Cordo 19205 49918 5000 51520 51115 51280 49062 Cerro Cordo 19205 49918 5000 51520 51115 51280 49062 Cerro Cordo 19205 19746 20533 19488 16449 19571 Clarke 9845 9764 9632 10108 9889 9663 9063 9063 10064 16935 17068 16834 16935 16154 Clarke 9845 9764 9632 10108 9889 9663 9063 10064 16935 10068 10069 10041 10069 10060 10	Allamakee	16529	16163	15825	16924	16515	16376	15164
Benton 26174 25611 25260 26004 24152 19611 22865 Black Hawk 124398 122376 120719 128643 128265 131605 12753 Black Hawk 124398 122376 120719 128643 128265 27132 22005 12753 Black Hawk 26149 25735 25223 26178 25915 26020 25030 Bremer 26149 25735 25223 26178 25915 26020 25030 Bremer 26149 25735 25223 26178 25915 26020 25030 Bluchanan 23147 22766 22338 23331 22948 22969 22188 Bluchann 123147 22766 27151 23161 22966 23283 22588 Bluchar 19888 19604 19415 20156 19819 19989 19238 Calahoun 14278 14180 14089 14585 14434 14759 14500 Calroul 23642 23355 23134 25182 24780 26966 2306 Casas 18873 18709 18538 20177 20114 20359 19426 Cacada 20746 20506 20136 20494 19321 15897 18666 Cerro Gordo 50205 49918 49090 51520 51115 51280 49046 Cherokee 17456 17220 17035 18105 17907 18176 17684 Charkanau 16616 16350 16035 17068 16834 16935 16154 Clarke 9845 9764 9632 10108 9889 9683 9007 Clay 20490 20071 19736 20533 19488 16449 19571 Clay 20490 20071 19736 20533 19488 16449 19571 Clay 10444 53050 52504 58395 58518 58640 54522 Clay 20490 20071 19736 20533 19488 16449 19571 Clay 10444 53050 52504 58395 58518 58640 54522 Clay 20490 20071 19736 20533 13488 16449 19571 Clay 10444 53050 52504 58395 58518 58640 54522 Clay 20490 20071 19736 20533 19488 16449 19571 Clay 10444 53050 52504 58395 58518 58640 54522 Clay 20490 20071 19736 20533 19488 16449 19571 Clay 10444 53050 52504 58395 58518 58640 54522 Clay 20490 2057 19819 19728 21505 21163 20071 Clay 10449 19819 19728 21505 2163 2163 2163 20071 Clay 10449 19819 19728 21505 2163 2163 2163 2163 20071 Clay 10449 19819 19728 21505 2163 2163 2163 2163 20071 Clay 10449 19819 19728 21505 2163 2163 2163 2163 20071 Clay 10449 19819 19728 21505 2163 2163 2163 2163 20071 Clay 10449 19849 19819 19728 21505 2163 2163 2163 2163 2163 2163 2163 2163	Appanoose	16300	15972	15762	1 <i>6</i> 907	16501	16402	15506
Black Hawk 124398 122376 120719 128643 128263 131405 12733 Boone 28337 28255 27813 28668 27132 22908 22908 22909	Audubon	8868	8773	8684	9260	9201	9256	8963
Boone 28337 28225 27813 28668 27132 22908 24997 Bremer 26149 25735 25223 26178 25915 26020 25035 Bremer 26149 25735 25223 26178 25915 26020 25035 Buchanan 23147 22766 22338 23531 22968 22969 22188 Buchanan 24147 2278 14180 14089 14585 14434 14759 14507 261701 27818 2	Benton	26174	25611	25260	26004	24152	19611	22867
Bremer 26149 25735 25223 26178 25915 26020 25030 Buchanan 23147 22766 22338 25351 22948 22969 22168 Buchanan 23147 22766 22338 25351 22946 22969 22168 Bucha Vista 22511 22256 21951 23161 22966 23283 22588 Butler 19868 19604 19415 20156 19819 19989 19238 Butler 19868 19604 19415 20156 19819 19989 19238 Cathoun 14278 14180 14089 14585 14434 14759 14507 Cachroll 23442 23555 23134 25182 24780 24996 23956 Carsoll 23442 23555 23134 25182 24780 24996 23956 Carsoll 23442 23555 23134 25182 24780 24996 23956 Carsoll 23442 23555 23134 25182 24780 24996 23956 Cachar 20746 20506 20136 20494 19321 15897 18646 Cedar 20746 20506 20136 20494 19321 15897 18646 Cedar 20746 20506 20136 20494 19321 15897 18646 Celar 20746 17220 17035 18105 17907 18176 17684 Chickasau 16616 16350 16035 17008 16834 16935 16154 Clarke 9845 9764 9632 10108 9889 9633 9007 Clay 20490 20071 19736 20533 19488 16449 19571 Clayton 22541 22152 21754 22980 22564 22532 21324 Clinton 54044 53050 52504 58395 58518 58640 54522 Crawford 19849 19819 19728 21505 21163 21133 20071 Dallas 34476 333796 33230 33898 31666 26642 30839 Davis 9696 9606 9380 10695 10341 10289 9446 Decatur 9632 9441 9211 9682 9567 9543 8904 Delaware 20032 19805 19445 19968 19389 19278 18408 Delaware 20032 19805 19445 19968 19339 19278 18408 Delaware 20032 19805 19445 19968 19339 19278 18408 Delaware 80167 79147 77964 87274 86472 85699 78764 Ement 14164 13944 13735 14810 14595 14971 146956 Dickinson 18732 13333 18011 18586 18170 13203 17493 Debaucus 80167 79147 77964 87274 86472 85699 78764 Ement 14164 13944 13735 14810 14595 14971 14593 13900 Debaucus 80167 79147 77964 87274 86472 86599 19278 18408 Debaucus 80167 79147 77964 87274 86472 86599 19278 13500 Debaucus 80167 79147 77964 87274 86472 86599 19278 13500 Debaucus 80167 79147 77964 87274 86472 86599 19278 13600 Debaucus 80167 79147 77964 87274 86472 86599 19278 13600 Debaucus 13280 13287 13339 13399 13697 13567 13533 13900 Debaucus 13280 13287 13399 13399 13275 13533 13900 Debaucus 13280 13287 13399 13399 13566 13508 13090 Debaucus 13280	Black Hawk	124398	122376	120719	128643	128263	131405	127537
Buchanan 23147 22766 22338 23531 22948 22969 22108 Buena Vista 22511 22256 21951 23161 22966 23283 22582 Burter 19868 19604 19415 20156 19819 19989 19238 Calhoun 14278 14180 14089 14585 14434 14759 14507 Carrol I 23642 23355 23134 25182 24780 24996 23950 Cass 18873 18709 18538 20177 20114 20359 19420 Cedar 20746 20506 20136 20494 19521 15897 18660 Cerro Gordo 50205 49918 49090 51520 51115 51280 49062 Cher Gordo 50205 49918 49090 51520 51115 51280 49062 Clarke 9845 9764 9632 10108 9889 9683 9007	Boone	28337	28225	27813	28668	27132	22908	24997
Buchanen 23147 22766 22338 23531 22948 22969 22180 Buena Vista	Bremer	26149	25735	25223	26178	25915	26020	25030
Buena Vista Utter 1968 Butter 1966 1960 19615 1968 1960 19615 1968 1960 19615 1968 1960 19615 1968 1960 19615 1968 1960 19615 1968 1960 19615 1968 1969 1968 1969 18536 20177 20114 20359 19626 Ceckar 20746 20506 20136 20494 19321 18897 18638 20177 20114 20359 19626 Ceckar 20746 20506 20136 20494 19321 18897 18636 20177 20114 20359 19626 Cechar 20746 20506 20136 20494 19321 18897 18696 Cerro Gordo 50205 49918 49090 51520 51115 51280 49062 Cherokee 17456 17720 17035 18105 17008 18634 16935 16154 Clarke 9845 9764 9632 10108 9889 9683 9007 Clay 20490 20071 19736 20533 19488 16449 19571 Clayton 22541 22152 21754 22980 22564 22532 21324 Clinton 5044 53050 52504 58395 58518 58640 54522 Clayton 20490 19819 19728 21505 21163 20153 20143 20143 20441 9211 9682 9687 9683 19007 20144 20032 19805 19445 19968 19389 19278 18408 19449 19411 9682 9687 9683 1007 1008 1008 1008 1008 1008 1008 1008 1008 1008 1008 1008 1008 1008 1008 10097 1008 1008 1008 1008 10097 1008 1008 10097 1008 10098 10097 10098 10098 10098 10098 10098 10098 10098 10098 10098 10098 10098 10098 10098 10098 10099 10098 10099 1009	Buchanan	23147	22766	22338	23531	22948	22969	22180
Butler 19868 19604 19415 20156 19819 19989 19236 Calhoun 14278 14180 14089 14585 14434 14779 14507 Carroll 25462 23355 23134 25182 24780 24996 23950 Carsoll 25462 23355 25134 25182 24780 24996 23950 Cass 18873 18709 18538 20177 20114 20359 19420 Cadar 20746 20506 20136 20494 19321 15897 186640 Carroll 05000 50205 49918 49090 51520 51115 51280 49062 Chero Gordo 50205 49918 49090 51520 51115 51280 49062 Chero Gordo 17456 17220 17035 18105 17907 18176 17684 Chickasaw 16616 16350 16035 17088 16834 16935 16154 Chickasaw 16616 16350 16035 17088 16834 16935 16154 Chickasaw 20490 20071 19736 20533 19488 16449 19571 Clay 20490 20071 19736 20533 19488 16449 19571 Clayton 22541 22152 21754 22980 22564 22532 21324 Clinton 54044 53050 52504 58395 58518 58640 54522 Crawford 19849 19819 19728 21505 21163 21153 20071 Dallas 34476 33796 33230 33398 31666 26642 30839 30448 9966 9606 9380 10695 10341 10289 9446 Decatur 9632 9441 9211 9682 9567 9543 8904 2064 2062 1064 1064 1066 1066 1067 1067 1067 1067 1067 1067	Buena Vista	22511	22256	21951	23161	22966	23283	
Cathoun 14278 14180 14089 14585 14434 14759 14507 Carroll 23642 23355 23134 25182 24780 2496 23952 Cass 18873 18709 18538 20177 20114 20359 19426 Cedar 20746 20506 20136 20494 19321 15897 18664 Cerro Gordo 50205 49918 49090 51520 51115 51280 4902 Chickasaw 16616 16350 16035 17068 16834 16935 16154 Clarke 9845 9764 9632 10108 9889 9683 9007 Clay 20490 20071 19736 20533 19488 16449 1957 Clay 20490 20071 19736 20533 19488 16449 1957 Clay 20490 20071 19736 20533 19488 16449 19571	Butler	19868		19415	20156	19819		
Carroll 23642 23355 23134 25182 24780 2496 23950 Cass 18873 18709 18538 20177 20114 20359 19426 Ceckar 20746 20506 20136 20494 19321 15897 18646 Cerro Gordo 50205 49918 49090 51520 51115 51280 49062 Cherokee 17456 17220 17035 18105 17907 18176 17684 Cherokee 17456 17220 17035 18105 17907 18176 17684 Chickasaw 16616 16350 16035 17068 16834 16935 16154 Clarke 9845 9764 9632 10108 9889 9683 9007 Clay 20490 20071 19736 20533 19488 16449 19571 Clayton 22541 22152 21754 22980 22564 22532 21324 Clinton 54044 53050 52504 58395 58518 58640 54522 Crawford 19849 19819 19728 21505 21163 21153 20071 Dallas 34476 33796 33230 33898 31666 2642 30839 Dalvis 9696 9606 9380 10695 10341 10289 9446 Delaware 20032 19805 19445 19968 19389 19278 18408 Delaware 20035 25166 2453 25818 25603 25633 25633 25633 25633 25633 25633 25633 25633 25633 25633 25633 25633 25633 25633 25633 25633 25633 25644 49971 Eloyd 20535 20369 20139 21568 21277 21553 20507 Franklin 14010 13938 13892 14307 13769 11587 12955 Franklin 1400 1000 13938 13892 14307 13769 11587 12955 Franklin 1400 1000 13938 13892 14307 13769 11587 12955 Franklin 1400 1000 13938 13892 14307 13769 11587 13909 Franklin 1400 13980 13500 13604 14772 13262 13595 Franklin 1400 1300 1300 13	Calhoun	14278	14180	14089	14585	14434	14759	
Cass 18873 18709 18538 20177 20114 20359 19420 Cedar 20746 20506 20136 20494 19321 15897 18664 20506 20136 20494 19321 15897 18664 17606 50205 49918 49090 51520 51115 51280 49082 Chero Gordo 50205 49918 49090 51520 51115 51280 49082 Chero Gordo 50205 49918 49090 51520 51115 51280 49082 Chero Gordo 50205 49918 49090 51520 51115 51280 49082 Chero Gordo 50205 49918 49090 51520 51115 51280 49082 Chero Kee 17456 177220 17035 18105 17907 18176 17684 Chickasaw 16616 16350 16035 17068 16834 16935 16154 Chickasaw 16616 16350 16035 17068 16834 16935 16154 Chickasaw 20490 20071 19736 20533 19488 16449 19571 Clayton 22541 22152 21754 22980 22564 22532 21324 Clinton 54044 53050 52504 58395 58518 58640 54522 Chinton 54044 53050 52504 58395 58518 58640 54522 5441 5211 5662 5452 5452 5452 5452 5452 5452 5452	Carroll	23642		23134		24780		
Cedar 20746 20506 20136 20494 19321 15897 18664 Cerro Gordo 50205 49918 49909 51520 51115 51280 4908 Chickee 17456 17220 17035 18105 17907 18176 17684 Chickeasa 16616 16350 16035 17068 16334 16935 16154 Clarke 9845 9764 9632 10108 9889 9683 9007 Clay 20490 20071 19736 20533 19488 164449 19571 Clay 20490 20071 19736 20533 19488 16449 19571 Clay 20490 20071 19736 20533 19488 16449 19571 Clay 20490 20071 19736 23330 33895 25581 25640 54522 Clay 19819 19728 21505 21163 21153 20071	Cass	18873			20177	20114		
Cerro Gordo 50205 49918 49090 51520 51115 51280 49062 Cherokee 17456 17220 17035 18105 17907 18176 17684 Cherokee 17456 17220 17035 18105 17907 18176 17684 Cherokee 17456 17220 17035 18105 17907 18176 17684 Chickasaw 16616 16350 16035 17068 16834 16935 16154 Clarke 9845 9764 9632 10108 9889 9683 9007 19736 20533 19488 16449 19571 Clayton 22541 22152 21754 22980 22564 22532 21324 Clayton 22541 22152 21754 22980 22564 22532 21324 Clayton 54044 53050 52504 58395 58518 58640 54522 Crawford 19849 19819 19728 21505 21163 21153 21057 Dallas 34476 33796 33230 33898 31666 26642 30839 Davis 9696 9606 9380 10695 10341 10289 9446 Decatur 9632 9441 9211 9682 9567 9543 8904 Decatur 9632 9441 9211 9682 9567 9543 8904 Decatur 9632 19605 19445 19968 19389 19278 18408 Des Noines 47567 46907 46567 50853 50414 49971 46956 Dickinson 18732 13333 18011 18586 18170 18203 17493 Dickinson 18732 1333 18011 18586 18170 18203 17493 Dickinson 18732 13333 18015 18064 18595 149675 14977 143175 12955 14979	Cedar	20746						
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Table 3. Total Vehicle Registrations in Iowa Counties, 1984-1990 (continued).

County	1990	1989	1988	1987	1986	1985	1984
Jefferson	18604	18046	17757	19683	19339	19070	17863
Johnson	78101	75896	73576	75562	73 165	71897	67185
Jones	21621	21273	20780	21688	21208	21016	20110
Keokuk	14436	14422	14299	15039	14729	14838	14173
Kossuth	23337	23130	22931	24012	23807	24288	23677
Lee	41999	41420	41087	45114	42489	35902	39934
Linn	175588	173052	170348	176984	173262	169573	156913
Louisa	14426	14174	13970	14245	13824	13709	13003
Lucas	11103	10934	10749	11475	11428	11487	11032
Lyon	14457	14171	13891	15281	14807	14834	13918
, Madison	15274	14960	14716	14870	14391	14375	13565
Mahaska	25015	24606	24278	25725	25250	25137	23804
Marion	32638	32035	31355	32594	31803	31440	29754
Marshall	43401	43012	42538	44225	44031	44399	42972
Mills	15279	14917	14645	15489	15035	14798	13479
Mitchell	13453	13199	12885	13847	13542	13735	12936
	13080	12860	12629	13109	12804	12945	12282
Monona Monona	9696	9538	9563	10004	9821	9880	9467
Monroe				14440	13762	11708	13465
Montgomery	14250	14089	13821				
Muscatine	45198	44277	43346	45919	45444	45694	42942
O'Brien	18682	18321	18144	20082	19288	19363	18670
Osceola	9314	9234	9145	9454	9248	9488	9001
Page	18971	18825	18488	19767	19465	19554	18458
Palo Alto	12335	12286	12331	13002	12841	13210	12857
Plymouth	26395	25693	25320	28580	27994	27543	25504
Pocahontas	12282	12265	12191	12677	12629	12800	12425
Polk	328135	319830	312489	351074	341339	341538	313107
Pottawattamie	94355	93458	92728	110509	106659	101168	88647
Poweshiek	21976	21750	21492	22710	22254	21844	20322
Ringgold	7097	69 30	6816	7146	7089	7181	6827
Sac	15126	14944	14710	15244	15127	15268	14917
Scott	150730	146623	152901	162968	158481	157132	140786
Shelby	16263	16083	16123	16779	16335	16483	15836
Sioux	31511	30674	30149	32484	31428	31705	29909
Story	62339	61417	60110	61273	57150	47690	54316
Tame	21660	21457	21007	21929	21 <i>7</i> 53	21795	20901
Taylor	8827	8867	8853	9334	9347	9396	8983
Union	15456	15141	14878	15444	15290	15096	14253
Van Buren	9581	9440	9260	9932	9794	9783	9087
Wapello	39235	38979	38349	40229	40185	41135	38996
Warren	39740	39170	38500	39472	38328	38074	35913
	22508	22170	21915	22679	22398	22608	21449
Washington	8814	8628	8640	9259	9135	9136	8582
Wayne		43037	42383	45987	45630	46510	44589
Webster	43377		15376	15672	15285	15248	14348
Winnebago	15325	15193		22856	22362	22430	20799
Winneshiek	21934	21578	21404	103417	100028	98613	90801
Woodbury	98031	96166	94182			10559	10015
Worth	10388	10366	10211	10643	10457		16542
Wright	17099	17098	17055	17619	16595	14049	
Official	45861	44837	44081	42349	39772	38318	37344
Unknown	1092	1167	1396	1346	11952	12569	18870

Age in Iowa's Counties: 1980-1990

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

When the age structure of residents is reviewed across a decade, the extent of change becomes evident. The information in this section is provided in five-year age categories when possible so that age/sex population pyramids can be constructed by those interested in a graphic depiction of that change. For county data, these five-year categories conclude with a summation for the 85 and older group.

There are several methods of examining the state and county data on age contained in Tables 1 and 2. One is to compare the same age categories at the beginning and the end of the decade. For example, those under five years of age numbered 221,628 in 1980; this decreased by more than 28,000 to 193,203 in 1990. There has been a gain at the other end of the age continuum. Residents 85 and older increased more than 10,000 from 1980 (44,940) to 1990 (55,255).

These trends among the young and the old have been moving in opposite directions in recent decades. Indeed, the number 75 and older was greater than that for those under the age of five for the state for the first time in 1990. In 1980, 46 counties reported fewer under five than over 75 years of age. This increased to 84 of lowa's 99 counties in 1990.

Another method of examining change is to focus on a particular age cohort and then follow it through succeeding censuses. Suppose that there is interest in reviewing those born at the height of the babyboom, say the 1950s. They would be 20-29 in 1980 (515,224) and 30-39 in 1990 (434,123). Some of this decline of more than 81,000 would be due to deaths, although a larger portion of the decrease probably was part of the greater outmigration than inmigration that the state generally experiences.

The influence of gender can be added, of course, by comparing results in the A and B portions of Tables 1 and 2. It is evident that there are more males than females in the younger age categories. But the opposite occurs among the older groups. Females, for example, accounted for nearly two-thirds (65.7%) of the residents 75 and older in 1990; among those 85 and older, females constituted nearly three-quarters (73.7%) of the 1990 total. The number of females 85 and older increased by nearly 9,200 from 1980 to 1990; males in this age category gained about 1,100. These and other changes in the age distribution must be considered when policies are debated and programs are set.

Note: These data are from the decennial censuses for lowa as reported by the U.S. Bureau of the Census. The figures for 1990 are from a census bureau computer tape (Summary Tape File 1A). Publications released later may report slightly revised numbers for 1990; the bureau updates figures if it determines that errors were made on earlier tapes or publications.

Table 1A. Age of Females in Iowa 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	<i>7</i> 58	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
Chickasau	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	<i>7</i> 50	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
allas	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	19 0	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	917
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	776
Dubuque	2925	3379	3242	3329	3062	3169	3476	3394	2816	2326	2009	1927	2012	1982	1673	1509	1215	1206	4465
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 1A. Age of Females in Iowa 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	<i>7</i> 57	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	<i>7</i> 33	697	769	804	<i>7</i> 97	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 1A. Age of Females in Iowa 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
Honona	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
Osceol a	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
Teme	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
Wash ington	720	718	722	589	495	701	763	704	605	525	435	457	488	549	488	413	378	421	10171
⊌ay⊓e	224	242	248	187	149	224	218	214	195	171	172	184	229	246	247	214	156	213	3733
Jebster	1454	1476	1431	1345	1164	1440	1586	1457	1286	1011	958	1043	1096	1085	1009	835	640	765	21081
Vinnebago	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	40730	1431953

Table 18. Age of Males in Iowa 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	38 0	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	3 63	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 1B. Age of Males in Iowa 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
Humbol dt	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
i owa	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
Marshali	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 18. Age of Males in Iowa 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
Hontgomery	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	93 0	155893
Pottawattamie	3142	3329	3240	3024	2390	3163	3379	3077	2667	2152	1920	1861	1947	1591	1209	811	496	317	39715
Powesh i ek	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
amaT	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
Moodbury	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

Table 2A. Age of Females in Iowa Counties, 1980.

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	350	324	317	340	293	305	238	254	239	235	235	280	310	290	269	216	132	178	4805
Adams	201	175	186	220	166	174	174	159	167	148	145	189	189	174	152	114	74	78	2885
Allamakee	607	527	628	718	509	501	422	370	345	339	370	424	397	417	346	286	226	209	7641
Appanoose	606	560	556	652	535	538	507	387	351	386	413	460	470	454	443	369	236	214	8137
Audubon	292	261	342	364	270	236	236	225	221	222	250	258	259	253	211	183	155	162	4400
Benton	927	823	1024	1080	882	832	741	739	568	588	620	634	596	589	498	363	296	266	12066
Black Hawk	5402	4823	5195	7215	8611	6406	5082	3732	3311	3007	3440	3343	3027	2556	2146	1688	1125	1050	71159
Boone	884	824	945	1132	1068	1106	865	759	631	630	684	723	691	690	583	556	413	413	13597
Bremer	907	865	1035	1281	1192	869	885	734	663	553	534	629	562	521	454	392	278	259	12613
Buchanan	1038	956	1009	1092	927	821	796	580	542	468	538	562	588	518	376	301	225	186	11523
Buena Vista	763	656	710	1022	913	777	595	481	471	496	633	610	591	526	439	392	329	321	10725
Butler	670	656	702	695	617	615	564	445	429	418	477	510	497	461	411	370	222	201	8960
Calhoun	434	438	509	578	485	426	351	366	332	338	382	438	429	438	344	342	250	218	7098
Carrol l	1023	844	974	1108	898	822	616	579	511	525	631	610	624	553	492	382	294	319	11805
Cass	576	573	598	704	578	586	526	437	438	417	475	475	501	506	430	380	301	259	8760
Cedar	748	634	744	823	675	694	623	556	479	428	513	463	494	436	353	323	260	210	9456
Cerro Gordo	1623	1650	1657	2225	2331	2069	1685	1272	1255	1289	1422	1457	1361	1180	1007	869	657	550	25559
Cherokee	625	579	584	711	552	617	475	425	401	464	445	460	462	411	360	278	229	220	8298
Chickasaw	589	580	726	756	600	508	449	417	391	317	410	398	369	343	310	275	193	166	7797
Clarke	316	301	344	339	307	320	253	247	232	198	270	214	245	251	199	170	118	104	4428
Clay	824	676	733	942	885	836	681	519	473	489	505	551	466	446	374	321	263	198	10182
Clayton	835	734	833	909	799	694	589	538	501	516	560	546	580	556	470	368	292	239	10559
Clinton	2107	2111	2369	2698	2333	2161	2088	1631	1487	1389	1533	1546	1438	1288	1053	868	647	567	29314
Crawford	798	716	762	901	709	670	585	522	439	433	478	545	477	423	343	324	242	221	9588
Dallas	1126	1119	1222	1232	1109	1190	1214	940	830	681	718	746	721	631	552	437	353	341	1516
Davis	329	332	351	353	325	291	277	256	232	223	233	247	249	270	192	199	120	118	459
Decatur	303	326	315	593	506	304	269	255	206	209	247	236	267	248	254	199	164	172	5073
Delaware	835	<i>7</i> 50	931	1049	<i>7</i> 31	628	546	474	455	442	451	491	432	361	387	264	212	182	962
es Moines	1678	1633	1755	2082	1796	1855	1769	1332	1138	1135	1276	1352	1166	1065	1007	843	648	504	24034
Dickinson	598	480	567	599	567	650	531	417	347	426	438	451	531	455	356	277	182	175	804
Dubuque	3634	3687	4324	5054	4734	4003	3155	2490	2179	2125	2197	2205	1957	1850	1582	1351	1004	892	4842
Emmet	525	488	473	631	552	499	419	316	308	316	377	368	376	324	278	236	167	177	683
Fayette	913	902	1056	1189	982	854	732	662	594	625	596	720	691	661	566	486	377	327	12933

THELE SA: Age of Females in loss counties, 1980 (continued).

County	Ö-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	727	tet	815	846	705	845	817	577	498	474	552	527	571	503	418	354	273	293	10169
Franklin	451	436	463	519	445	459	417	338	346	331	382	414	371	355	321	266	187	173	6674
Fremont	338	366	303	360	290	327	308	250	202	242	263	323	261	300	238	190	169	131	4859
Gr <i>eene</i>	414	397	431	519	381	415	364	288	296	306	338	359	379	384	330	251	210	207	6269
Grundy	516	496	565	572	470	503	473	424	381	353	414	381	434	380	328	238	190	216	7334
Guthrie	425	413	455	478	310	373	384	293	291	302	345	374	405	342	312	276	234	228	6240
Kami I ton	651	600	626	769	638	633	576	471	470	502	509	554	492	438	406	322	232	219	9108
Harcock	578	534	535	497	544	551	423	342	330	335	365	363	347	350	294	243	185	203	7019
Hardin	711	681	***	1005	802	741	640	581	531	517	610	632	609	576	512	502	349	358	11134
Marrison	561	618	650	748	561	551	484	435	392	416	443	472	423	444	373	333	258	245	8407
Henry	689	667	698	862	846	717	724	508	447	430	458	475	536	467	404	323	269	279	9799
Howard	394	379	485	505	337	338	292	261	252	258	297	295	339	330	290	248	189	173	5662
Humbool cit	455	394	474	509	423	384	380	308	318	339	353	371	385	353	251	229	165	166	6257
1 da	312	273	346	321	280	285	261	217	203	250	269	289	249	243	223	172	163	150	4508
town	540	496	585	669	561	550	484	374	435	391	426	448	422	440	334	308	218	223	7904
Jackson	896	861	1056	1125	857	777	673	660	503	579	546	548	532	502	413	330	273	244	11375
Jasper	1319	1243	1422	1517	1360	1384	1270	1067	1048	978	1086	1020	943	841	710	608	391	401	18608
deffersom	488	483	589	648	698	773	690	458	380	389	374	399	412	365	372	261	235	225	8239
Johnson	2574	5550	2422	4566	8140	5255	3557	2236	1662	1449	1426	1260	1185	1008	887	702	529	479	41565
Jones	737	697	866	935	663	713	615	553	500	472	540	514	525	499	371	299	216	203	9920
Keckuk	428	432	485	552	433	412	368	294	284	350	325	368	378	389	375	298	225	202	6598
Kossuth	837	807	866	1021	784	723	644	537	559	531	589	617	590	516	458	399	305	215	10998
Lee	1569	1486	1618	1919	1696	1682	1443	1236	985	1005	1182	1312	1104	990	935	694	557	438	21851
Linn	6158	9254	7105	8444	8449	7797	7132	5345	4598	4118	4122	4023	3470	3061	2479	2161	1519	1351	87556
Louisa	494	485	506	530	447	485	408	346	329	289	292	295	268	260	223	181	147	124	6109
Lucas	369	346	374	429	364	367	280	287	251	301	267	298	318	309	279	241	153	161	5394
Lyon	566	488	526	555	416	470	377	263	326	353	341	353	340	325	272	226	177	137	6511
Madi son	486	449	476	479	380	426	412	382	328	314	292	364	336	319	284	265	175	226	6393
Mahaska	827	782	792	946	1041	920	728	500	485	518	624	680	614	585	501	448	372	312	11774
Marion	1062	1049	1150	1481	1416	1118	979	815	742	661	707	754	692	679	602	451	362	299	15019
Marshall	1474	1474	1667	1849	1790	1700	1570	1271	1079	1005	1031	1102	1036	919	801	658	491	506	21423
Mills	493	545	554	509	508	579	531	400	337	304	337	314	359	290	244	194	146	134	6778
Mitchell	415	447	484	607	432	345	302	309	285	312	336	348	336	350	302	269	237	213	6329

Table 2A. Age of Females in Iowa Counties, 1980 (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	420	387	403	489	344	387	292	297	271	288	339	371	366	363	361	232	206	196	6012
Monroe	319	308	311	382	340	307	278	219	230	221	249	288	275	250	240	227	131	142	4717
Montgomery	490	483	434	525	467	487	423	323	309	361	371	384	411	396	397	301	242	240	7044
Muscat ine	1674	1550	1723	1872	1705	1665	1476	1249	1043	900	955	966	904	818	710	552	453	428	20643
O'Brien	664	556	582	<i>7</i> 50	634	621	429	397	407	454	518	479	479	466	428	338	285	263	8750
Osceol a	277	297	316	367	309	252	230	219	188	226	209	250	258	217	189	175	132	115	4226
Page	672	625	604	752	695	676	575	509	419	461	540	600	574	564	498	456	363	344	9927
Palo Alto	437	441	484	607	453	393	338	270	322	353	355	320	365	371	289	258	197	163	6416
Plymouth	1000	915	956	1232	1044	888	716	624	559	629	624	619	655	581	473	377	310	318	12520
Pocahontas	375	361	449	540	302	351	293	289	300	261	334	342	375	305	285	256	195	194	5807
Polk	10826	10735	11478	13882	16235	15104	12806	9534	7946	7674	7958	7856	6788	5960	4944	3956	2711	2386	158779
Pottawattamie	3330	3311	3667	4319	3883	3526	3105	2513	2291	2350	2432	2266	1956	1733	1485	1208	865	692	44932
Powesh i ek	612	636	713	1033	932	691	599	537	478	425	490	532	499	465	386	357	251	297	9933
Ringgold	218	224	196	233	192	199	186	137	149	165	175	201	203	198	187	148	104	123	3238
Sac	537	453	506	596	440	472	402	302	341	328	437	445	430	427	365	324	245	210	7260
\$cot t	6700	6268	6855	7385	7945	7577	6652	4985	4137	3714	3705	3758	3000	2597	2168	1676	1220	991	81333
Shelby	534	556	622	728	460	513	414	363	379	396	394	407	412	383	307	261	208	240	7577
Sioux	1431	1194	1221	1806	1671	1128	836	766	705	644	732	739	707	632	591	469	329	283	15884
Story	2258	1844	1993	4552	7126	3411	2294	1703	1365	1228	1315	1220	1122	991	859	740	597	563	35181
Tame	731	662	847	821	635	668	585	516	495	521	521	519	563	543	453	379	304	260	10023
Taylor	294	266	276	327	263	260	237	212	178	201	224	268	281	264	264	209	181	152	4357
Union	506	521	490	637	515	480	486	354	317	351	335	391	391	364	388	307	252	202	7287
Van Buren	320	284	312	371	285	264	259	231	230	193	208	253	241	236	232	178	124	139	4360
Japello	1373	1310	1440	1726	1626	1562	1300	1098	945	1087	1098	1183	1163	1140	1105	796	529	511	20992
larren	1347	1634	1628	1731	1362	1503	1562	1313	996	863	704	704	580	524	411	375	294	338	17869
lash ington	740	713	778	875	723	776	676	531	494	502	522	563	503	494	478	423	334	284	10409
layne	275	254	225	301	250	243	229	192	190	192	249	266	289	265	256	230	178	151	4235
lebster .	1649	1543	1719	2369	2002	1779	1517	1198	1119	1176	1265	1288	1244	1097	941	794	660	655	24015
linnebago	416	475	497	608	495	457	394	323	311	301	342	351	363	365	348	267	201	167	6681
Jinneshiek	744	717	824	1440	1316	657	589	509	489	465	522	525	499	461	437	384	298	223	11099
loodbury	4216	3790	3788	4561	4873	4382	3618	2658	2322	2455	2786	2781	2529	2239	1991	1666	1257	1072	52984
orth	299	305	309	336	299	321	301	245	233	217	243	266	278	264	227	205	127	138	4613
Wright	599	538	569	714	550	532	502	410	399	394	471	512	517	479	425	343	258	245	8457
State of lowa	108323	103164	112850	137445	136275	119834	102341	81267	71796	69845	74559	75900	70894	64709	55897	46229	34526	74555	1497418

Table 2B. Age of Males in Iowa Counties, 1980.

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	388	325	356	418	365	344	276	227	207	226	270	251	262	280	217	136	86	70	4704
Adams	209	204	194	284	205	172	186	137	135	163	169	158	145	168	120	93	57	47	2846
Allamakee	584	614	670	748	580	538	446	379	334	341	367	386	395	336	284	197	150	118	7467
Appanoose	591	569	568	710	542	529	479	369	345	290	365	433	409	393	351	224	125	82	7374
Audubon	319	289	364	380	293	292	245	201	230	177	246	243	250	217	168	121	65	59	4159
Benton	935	853	1069	1164	929	910	<i>7</i> 53	655	620	570	570	553	559	541	351	277	150	124	11583
Black Hawk	5662	5004	5560	6879	7777	6528	5158	3769	3185	2899	3173	3140	2562	2119	1462	967	577	381	66802
Boone	936	876	939	1137	1122	1134	949	673	672	611	658	635	594	506	430	310	231	174	12587
Bremer	992	933	1099	1318	1198	916	866	740	651	557	564	532	484	455	409	239	148	106	12207
Buchanan	1080	993	1105	1200	958	914	802	587	552	485	497	527	493	431	332	221	118	82	11377
Buena Vista	762	699	718	1024	1016	838	625	443	417	461	562	574	534	458	349	246	184	139	10049
Butler	718	692	736	772	657	652	641	482	376	399	428	491	420	422	329	238	148	107	8708
Calhoun	499	444	508	596	465	516	332	296	309	310	349	369	384	320	267	210	158	112	6444
Carrol l	980	854	1148	1216	927	867	692	521	480	519	536	528	526	433	366	252	171	130	11146
Cass	631	612	608	756	645	602	535	434	397	371	459	418	395	435	346	254	138	136	8172
Cedar	696	705	804	857	706	<i>7</i> 22	689	549	479	429	471	467	472	400	288	209	136	100	9179
Cerro Gordo	1737	1607	1763	2223	1983	1970	1654	1234	1197	1081	1364	1277	1109	937	721	508	306	228	22899
Cherokee	631	535	667	752	624	655	545	430	350	390	475	443	403	311	283	224	109	113	7940
Chickasaw	626	635	707	792	666	569	457	430	405	326	396	358	329	325	244	184	126	65	7640
Clarke	326	308	350	347	352	302	283	219	220	189	237	229	188	213	175	114	77	55	4184
Clay	844	721	735	799	835	841	730	525	445	447	494	476	431	354	263	207	122	125	9394
Clayton	856	826	897	1023	851	825	605	540	504	489	535	545	523	524	402	301	173	120	10539
Clinton	2276	2208	2596	2696	2283	2285	2001	1639	1452	1299	1433	1438	1244	1078	777	530	335	238	27808
Crawford	807	764	749	955	797	705	633	526	447	440	464	499	454	3 82	276	218	136	95	9347
Dallas	1196	1164	1319	1292	1030	1158	1156	943	811	727	713	676	646	530	377	303	169	141	14351
Davis	371	361	358	438	397	285	295	232	220	204	225	222	238	225	187	125	78	46	4507
Decatur	301	332	353	537	536	344	267	229	206	197	215	214	232	219	184	151	115	89	4721
Delaware	837	768	961	987	832	716	558	460	469	431	472	454	403	327	253	189	129	66	9312
Des Moines	1776	1747	1940	2055	1747	1869	1695	1368	1101	1054	1144	1256	976	807	660	469	310	195	22169
Dickinson	598	568	567	613	531	658	546	435	357	360	392	420	444	405	295	208	117	68	7582
Dubuque	3849	3743	4494	5284	4488	3864	3249	2466	2261	2024	2160	2049	1668	1376	1019	687	354	287	45322
Emmet	584	519	536	640	569	551	439	311	327	285	3 50	323	287	256	199	145	105	80	6506
Fayette	992	939	1108	1307	1092	972	738	623	600	566	614	644	623	574	498	298	218	149	12555

Table 28. Age of Males in Iowa Counties, 1980 (continued).

	MANAGAMA A PARA PARA PARA PARA PARA PARA PARA		****		***************************************		***************************************	anananananahahahahahah											
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	750	724	861	930	616	699	650	569	504	428	505	500	511	417	317	202	119	126	9428
Franklin	512	472	471	527	478	533	406	351	321	289	383	358	317	322	274	158	105	85	6362
Fremont	386	328	348	388	309	311	307	230	221	224	230	267	284	236	194	135	88	56	4542
Greene	463	419	504	525	411	431	396	271	301	239	320	327	311	331	247	168	108	78	5850
Grundy	543	522	623	678	516	548	473	431	396	326	348	356	382	334	232	167	88	69	7032
Guthrie	413	399	453	519	351	414	347	302	281	289	320	332	341	326	246	177	128	105	5743
Hamilton	678	643	696	838	693	637	645	451	428	420	538	479	481	388	300	212	134	93	8754
Hancock	561	533	548	668	526	607	476	353	332	313	353	359	329	293	233	153	103	74	6814
Hardin	761	741	836	1256	904	825	624	584	483	515	528	599	529	471	384	301	174	127	10642
Marrison	649	621	702	783	612	525	464	418	389	383	412	421	399	357	311	241	150	104	7941
Henry	690	665	699	876	863	717	734	565	479	379	415	448	415	377	305	214	146	104	9091
Howard	427	380	443	555	400	378	299	252	251	224	329	301	311	274	244	178	118	88	5452
Humbol dt	458	420	456	552	459	453	354	331	270	306	347	364	365	264	250	152	106	82	5989
Ida	342	336	346	407	334	322	258	230	194	205	264	258	234	193	178	133	78	88	4400
l ove	558	542	608	723	641	574	511	385	373	393	415	399	398	352	259	188	111	95	7525
Jackson	931	928	1101	1210	865	796	710	594	552	545	553	546	451	460	362	239	164	121	11128
Jasper	1384	1440	1467	1591	1438	1396	1263	1070	939	931	1065	965	852	722	542	365	235	152	17817
lefferson	581	601	554	643	812	925	748	453	372	330	365	355	345	314	283	173	131	92	8077
Johnson	2737	2275	2544	4111	7928	5751	3698	2249	1640	1454	1302	1236	1021	789	597	418	230	172	40152
Jones	805	793	858	1083	1168	913	717	554	512	455	512	481	474	410	303	230	111	102	10481
Ceokuk	464	463	488	609	454	488	360	309	277	290	327	357	336	359	294	213	128	107	6323
Cossuth	911	637	995	1131	907	820	677	514	495	532	555	580	536	471	372	298	162	100	10893
.ee	1674	1589	1742	1973	1841	1908	1680	1271	1068	1019	1093	1117	1008	834	577	435	237	189	21255
.inn	6589	6569	7143	7997	7870	7720	6987	5283	4503	4096	3967	3852	3091	2414	1731	1193	686	528	82219
ouise.	482	483	541	586	471	467	429	332	336	276	298	261	252	272	189	131	85	55	5946
.ucas	353	378	388	411	334	346	295	287	272	260	289	277	274	253	210	142	90	60	4919
yon.	596	518	570	623	467	513	384	282	269	340	337	340	312	271	228	151	104	80	6385
ladi son	472	546	526	585	376	451	440	376	333	283	324	330	274	284	244	153	123	84	6204
lahaska	869	794	878	1023	1070	963	748	590	509	473	574	593	550	460	394	278	162	165	11093
larion	1184	1119	1126	1326	1416	1153	1027	867	725	660	744	746	680	600	476	321	266	214	14650
larshall	1515	1591	1721	1843	1571	1741	1577	1200	1081	930	1067	1037	960	854	605	412	287	237	20229
lills	580	542	540	603	541	571	549	406	346	329	312	310	298	257	175	137	81	51	6628
litchell	437	432	533	610	474	428	330	302	262	294	328	325	311	278	263	169	125	99	6000

Table 2B. Age of Males in Iowa Counties, 1980 (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 .	378	412	408	514	392	452	328	268	279	278	314	334	327	307	278	196	126	89	5680
Monro e	323	337	370	432	372	317	278	262	177	214	223	255	228	220	193	150	79	62	4492
Montgomery	504	457	476	508	497	496	444	335	250	317	349	358	314	352	281	224	106	101	6369
Muscatine	1683	1741	1784	1903	1755	1664	1560	1200	1046	926	933	884	790	651	503	355	221	194	1979
O'Brien	697	555	631	835	731	645	467	373	369	414	449	447	404	378	296	221	187	123	822
Osceol a	351	323	366	382	320	300	235	208	176	196	236	244	195	195	169	106	76	67	4149
Page	735	727	654	756	685	731	585	507	431	407	480	543	478	468	339	306	180	124	913
Palo Alto	499	470	521	771	525	453	335	292	264	311	339	334	308	285	245	169	108	76	630
Plymouth	1041	974	1074	1327	1076	918	766	616	549	582	658	596	548	509	386	263	196	144	1222
Pocahontas	379	394	487	546	401	402	320	287	273	237	310	356	312	256	191	194	134	83	5562
Polk	11357	11089	12251	13796	14072	14284	12204	9177	7394	6956	7524	7007	5742	4390	3101	1993	1237	817	14439
Pottawatt amie	3514	3494	3691	4322	3479	3370	2929	2355	2117	2091	2368	2094	1777	1445	1086	739	456	302	41629
Powesh i ek	664	695	739	1046	1057	701	622	467	464	426	463	460	457	389	279	232	125	87	9373
Ringgold	192	190	191	211	211	220	182	135	132	158	179	174	162	166	142	102	76	51	2874
Sac	537	470	552	592	526	525	404	333	321	332	393	402	378	319	304	228	132	110	6858
Scott	6843	6544	7241	7189	7627	7932	6914	5078	4090	3667	3638	3502	2825	2081	1533	978	607	400	78689
Shelby	540	573	731	774	580	524	446	371	367	358	384	410	386	303	270	199	133	117	7466
Sioux	1446	1146	1261	1779	1676	1173	856	<i>7</i> 25	679	626	672	656	632	502	391	323	229	157	14929
Story	2232	1906	2043	5185	9185	4006	2608	1739	1402	1216	1209	1152	976	746	643	400	262	235	37145
Tama	718	717	827	897	708	697	594	508	508	441	523	495	490	492	318	268	173	136	9510
Taylor	289	286	298	346	288	268	244	201	169	172	232	234	263	241	169	135	91	70	3996
Union	508	527	520	607	507	490	481	354	311	312	295	357	338	321	256	190	116	81	6571
Van Buren	345	332	372	380	278	307	271	238	197	185	219	217	218	230	195	142	95	45	4266
Wapello	1450	1424	1527	1722	1554	1603	1246	1066	885	942	1040	1028	1024	938	<i>7</i> 55	524	324	197	19249
Warren	1469	1570	1693	1688	1327	1319	1490	1238	1043	886	773	709	522	439	349	199	173	122	17009
Washington	809	725	879	917	773	797	686	512	490	464	469	477	472	38 5	328	249	166	134	9732
Wayne	278	248	305	301	278	274	217	179	165	171	237	255	256	235	204	173	112	76	3964
Webster	1777	1589	1818	2283	1860	1757	1529	1171	1048	1113	1204	1200	988	910	684	486	284	237	21938
Winnebago	487	408	470	716	507	519	398	326	288	267	336	314	344	303	262	170	128	86	6329
Winneshiek	763	710	947	1378	1339	719	653	496	469	490	513	518	492	381	343	293	169	104	10777
Woodbury	4210	3935	3896	4644	4111	4204	3434	2560	2201	2192	2620	2556	2148	1727	1357	1019	625	461	47900
Worth	367	313	338	381	329	358	282	253	215	214	232	232	216	229	186	147	102	68	4462
Wright	576	542	625	678	609	574	517	415	411	367	443	450	453	409	315	210	148	120	7862
State of lowa	113305	107877	118841	140188	135749	123366	103613	79979	69655	65675	71343	69954	62177	53196	41052	28875	18160	13385	1416390

Younger (17 and Under) and Older (65 and Over) Residents of Iowa's Counties: 1940-1990

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

Two age groups—the young and the old—receive attention in lowa. The relatively high proportion of older residents in this state compared with others draws interest to that end of the age continuum. Concerns with primary and secondary school enrollment focus on youth. Policy makers dealing with the future of the state are interested in the relationship between the trends in younger and older lowans.

The State

In the 1980s, lowa's total population declined by 137,000. This trend was mirrored by those under 18, a group that decreased by 107,000 from 1980 to 1990 (Table 1). But residents 65 and older increased by more than 38,000. There were substantially more residents 17 and younger (719,000) than 65 and older (426,000) in 1990, although the gap between these two groups continued to narrow from the peak difference in 1960, when youth outnumbered those at least 65 years of age by nearly 660,000. In 1940, there were more than three (3.35) children under 18 for every resident 65 and over; this ratio decreased to three in 1950 (2.99) and 1960 (3.01), and it has declined rapidly since (1970, 2.79; 1980, 2.13) to less than two (1.69) youths for every individual 65 and over in 1990.

In 1990, 15.3% of lowans were 65 or older, a figure about 10 percentage points below that for residents under 18 (25.9%) (Table 2). The percentage of older residents has been increasing rather steadily since 1940, although the greatest jump occurred between 1980 and 1990. The percentages for youth have been more volatile because of the babyboom. In 1940, 30.0% of all lowans were 17 or younger; this increased through 1960, when more than one of every three (35.8%) residents was under 18. But the decline in this percentage, particularly in the 1970s, has been substantial; in 1990, 25.9% of the state's residents were 17 or younger.

The Counties

The number 65 and older has increased each decade since 1940 in 68 counties. When 1940 and 1990 are compared, the greatest numerical increase occurred in Polk (+22,939); three other counties (Black Hawk, Linn, Scott) had at least 10,000 more residents 65 and over in 1990 than in 1940. Another 54 gained from 1,000 to 7,000, while 40 increased from 50 to 999. Van Buren (-50) was the only county with fewer residents 65 and older in 1990 than in 1940; its number in this age group peaked in 1950 and has declined most decades since.

In the most recent decade, 78 counties reported more residents 65 and over in 1990 than in 1980. Gains of at least 1,000 occurred in nine counties (Black Hawk, Dubuque, Johnson, Linn, Polk, Pottawattamie, Scott, Story, Woodbury). Polk's increase of 6,188 in this age group alone was greater than the total population living in two counties (Adams, Ringgold) in 1990. Only three (Keokuk, Page, Wapello) of the 21 counties reporting fewer residents 65 and older at the end of the 1980s than at the beginning declined by at least 100. For 20 of these 21 counties with fewer older residents, the percentage in this age group increased from 1980 to 1990, because losses were greater in other age groups. In Wayne, for example, the percentage of older residents jumped from 22.9% in 1980 to 26.3% in 1990 even though the number 65 and older dropped by 24 during that period. Only Jefferson failed to follow this trend; it declined by 50 residents 65 and older and the percentage of residents in this category dropped from 15.0% to 14.7%.

Table 1. Number of Younger (17 and under) and Older (65 and over) Residents in lowa Counties, 1940-1990.

		Resi	idents Ag	ge 17 and	d Under			Resi	dents Ag	e 65 and	Over	
County	1990	1980	1970	1960	1950	1940	1990	1980	1970	1960	1950	1940
Adair	2111	2548	2998	3644	3949	4148	1981	1874	1599	1620	1379	1269
Adams	1189	1513	1955	2582	2885	3261	1057	1077	1076	1113	1030	932
Allamakee	3774	4613	5480	6179	5609	5552	2697	2569	2394	2190	1 96 3	1830
Appanoose	3458	4267	4419	4821	6034	7677	2946	2891	2832	3094	2883	2487
Audubon	1873	2361	3355	4040	3836	3803	1696	1594	1488	1435	1147	928
Benton	6219	7097	8255	8660	7397	7005	3723	3455	3041	2923	2478	2174
Black Hawk	31402	39006	47174	46812	30865	22663	16895	14071	12140	10666	8099	5824
Boone	6169	6770	8394	9339	8345	8763	4531	4306	4287	4111	3408	2875
Bremer	5762	7263	7713	7357	6027	5577	3806	3261	2744	2387	2042	1749
Buchanan	6419	7634	8608	8712	7393	6111	3244	2790	2498	2608	2572	2460
Buena Vista	5175	5416	6956	7556	6311	5735	3575	3383	3057	2807	2258	1667
Butler	4149	5150	5756	6249	5687	5752	3231	2909	2446	2225	1896	1676
Calhoun	2889	3579	4702	5730	5483	5472	2731	2659	2460	2200	1881	1505
Carroli	6359	7350	9171	9404	8106	7871	3809	3392	3037	2744	2138	1715
Cass	3880	4520	5458	5973	5647	5334	3169	3185	2929	2656	2283	1771
Cedar	4633	5450	6085	6465	5203	4721	2933	2715	2478	2269	1985	1704
Cerro Gordo	11570	12493	16335	18012	14166	13431	7886	6963	6334	5874	4380	3185
	3827	4539	6181	6584	5744	5536	2611	2538	2343	2447	2141	1707
Cherokee	3737	4892	5783	5731	5247	4846	2368	2231	2018	1884	1683	1484
Chickasaw		2370	2282	2639	2879	3199	1539	1476	1353	1380	1281	1143
Clarke	2168				5853	5517	2901	2673	2422	2112	1690	1357
Clay	4804	5572	6375	6966					3070	2955	2600	2451
Clayton	5322	6244	7279	7946	7258	7546 13547	3451	3445		6254	5000	4360
Clinton	13619	17020	20429	19920	15271	12563	8151	7381	6509		1879	1524
Crawford	4617	5802	7141	6860	6672	6676	2918	2660	2453	2371		
Dallas	8286	8803	9080	8404	7251	7282	4350	3834	3550	3515	2919	2388
Davis	2262	2620	2597	3168	3162	3534	1558	1560	1378	1359	1351	1234
Decatur	1941	2375	2610	3201	3915	4515	1710	1795	1763	1752	1726	1659
Delaware	5540	6405	7752	7478	6328	6276	2655	2370	2249	2131	1810	1715
Des Moines	10952	13071	15749	15391	12220	9766	6924	6508	6192	5490	4518	4068
Dickinson	3506	4176	4028	4435	4136	3862	3097	2538	1906	1672	1243	950
Dubuque	23401	29953	36072	30574	22323	19575	12141	10402	9016	8272	7091	5958
Emmet	3073	3856	4894	5790	4798	4230	2183	1967	1845	1700	1319	1068
Fayette	5780	7464	9487	10397	9246	9210	4183	4154	3865	3561	3116	2744
Floyd	4425	5754	6841	7598	7013	6053	3349	3022	2720	2779	2346	1854
Franklin	2926	3500	4263	5402	5299	5125	2278	2246	2090	1915	1504	1276
Fremont	2146	2559	2913	3416	3974	4705	1775	1737	1562	1513	1479	1415
Greene	2486	3313	4216	5059	5004	5120	2262	2314	2105	2035	1720	1470
Grundy	3077	4102	4725	4969	4354	3892	2410	2242	1864	1709	1403	1114
Guthrie	2 <i>7</i> 23	3203	3892	4658	4935	5550	2296	2374	2271	2156	1878	1655
Hamilton	4081	4912	6182	7236	6300	6204	2969	2744	2519	2422	2047	1651
Hancock	3561	4054	4889	5530	5317	5139	2288	2131	1930	1660	1362	1140
Hardin	4775	5872	7123	7739	6741	6737	4049	3754	3510	3300	2618	2191
Harrison	3959	4765	5526	6439	6658	7795	2868	2816	2664	2512	2239	2006
Henry	4847	5123	5699	5622	5107	4638	3181	2888	2596	2975	2728	2430
Howard	2629	3185	4055	4677	4407	4342	2123	2132	1870	1757	1538	1355
Humboldt	2742	3366	4510	4951	4420	4371	2263	2018	1714	1606	1338	1106
Ida	2334	2425	3215	3625	3310	3408	1696	1621	1446	1464	1042	863
Iowa	3745	4257	5395	5920	5074	5231	2757	2528	2148	2032	1867	1740
Jackson	5565	7265	8066	7875	6171	6068	3312	3108	2711	2496	2196	1981
	8912	10271	12290			3000	JJ 16	3.00	6111	4770	2170	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,

Table 1. Number of Younger (17 and under) and Older (65 and over) Residents in Iowa Counties, 1940-1990 (continued).

		Resi	dents Ag	e 17 and	l Under			Resi	dents Ag	e 65 and	Over	
County	1990	1980	1970	1960	1950	1940	1990	1980	1970	1960	1950	1940
Jefferson	3987	4064	4740	5116	4649	4524	2401	2451	2260	2215	1951	1661
Johnson	19347	17948	20735	16765	11504	8932	7138	5811	5013	4435	3551	3043
Jones	4990	5993	7046	7609	6221	5771	3101	2744	2468	2375	2003	1854
Keokuk	3021	3508	4610	5365	5166	5555	2410	2590	2499	2530	2508	2139
Kossuth	5215	6652	8759	10154	9680	9407	3526	3296	2966	2557	2199	1836
L ee	9971	12140	14472	15386	12889	11283	6480	5886	5484	5387	4584	4056
Lim	42430	49395	59029	48539	29661	23433	20495	17123	14812	13495	10618	7881
Louisa	3162	3718	3754	3669	3659	3694	1742	1667	1501	1377	1309	1283
Lucas	2234	2759	3166	3394	3532	4596	1878	1898	1848	1941	1822	1540
Lyon	3614	4013	5134	5743	5362	5441	2149	1971	1756	1474	1180	1056
Madison	3444	3678	3700	4180	4257	4532	2250	2157	1962	1944	1661	1505
Mahaska	5624	6029	6615	7889	7368	7740	3803	3677	3613	3445	3087	2909
Marion	7684	8192	8108	8428	7666	8065	4842	4270	3941	3816	2948	2582
Marshall	9598	11722	13975	13088	10667	10215	6682	5770	5064	4782	3969	3210
Mills	3625	3971	4099	4572	4587	4643	1812	1709	1505	1506	1456	1259
Mitchell	2848	3551	4861	5416	4697	4465	2383	2305	2110	1851	1667	1427
Monona	2456	3062	3904	4934	5707	6324	2381	2354	2035	1928	1668	1443
Monroe	2059	2486	2982	3580	3806	4734	1672	1694	1746	1703	1640	1538
Montgomery	2974	3468	3846	4759	4730	4505	2637	2640	2422	2382	2038	1638
Muscatine	11140	12480	13177	11879	9966	9078	5337	4885	4559	4537	3847	3183
O'Brien	4124	4669	6137	6953	6268	6028	3189	2985	2780	2471	1848	1674
Osceol a	1979	2408	3088	3902	3564	3743	1406	1441	1282	1082	797	666
Page	4214	4953	5223	6333	6633	6546	3534	3642	3468	3490	3279	2704
Palo Alto	2848	3648	4810	5854	5805	5897	2189	2161	1951	1693	1369	1217
Plymouth	6792	7493	8881	9255	7771	7596	3816	3557	2974	2751	2090	1804
Pocahontas	2478	3152	4645	5423	5433	5568	2078	2093	2003	1770	1352	1208
Polk	81971	83422	97517	93419	65445	52417	37683	31495	28072	25797	20234	14744
Pottawattamie	22527	26346	32652	31781	22000	20691	11056	10011	9194	8242	6673	5571
Poweshiek	4663	5077	6083	6644	5789	5494	3188	2868	2539	2481	2209	1 99 5
Ringgold	1298	1510	1848	2662	3040	3577	1313	1297	1216	1248	1296	1213
Sac	3278	3820	5331	6278	5715	5663	2705	2664	2526	2318	1838	1392
Scott	42187	49364	53122	43369	29649	22211	17328	14251	12915	11645	9000	7242
Shelby	3586	4585	5997	6278	5628	5890	2 69 3	2421	2168	2014	1486	1166
Sioux	8941	9508	10359	10582	9633	10059	4409	3906	3305	2771	2248	1879
Story	14680	15075	16948	15448	12105	9573	7165	6036	5180	4860	3740	2844
Tama	4548	5663	6940	7648	6900	6809	3384	3326	3099	2971	2538	2080
Taylor	1822	2148	2508	3257	3770	4388	1716	1776	1868	1910	1891	1643
Union	3292	3810	4264	4451	4571	4645	2464	2477	2456	2367	2184	1889
Van Buren	2015	2434	2702	3178	3359	3398	1568	1616	1605	1656	1762	1618
Wapello	8568	10570	13591	16075	15018	13140	6675	6819	6182	5637	4723	3983
Warren	10186	11397	10408	7798	5776	5601	3945	3224	2511	2363	2029	1932
Washington	5254	5788	6565	7013	6300	6078	3641	3275	2958	2805	2515	2236
Wayne	1657	1976	2306	2920	3384	3970	1856	1880	1842	1874	1822	1703
Webster	10483	12727	17170	17758	14084	12769	7113	6748	6069	5562	4275	3186
Winnebago	3090	3461	4058	4576	4489	4669	2318	2297	1958	1643	1376	1160
Winneshiek	5131	6012	7421	7728	6977	7036	3213	3093	2935	2528	2346	2277
Woodbury	27579	29187	35614	38895	31571	30421	14443	13414	12899	12354	9510	7589
Worth	1982	2395	2906	3711	3729	3634	1668	1693	1465	1254	1139	943
Wright	3485	4328	5770	7203	6409	6370	3159	2952	2634	2470	2078	1638
State of Iowa	718880	825873	975929	987268	816154	762185	426106	387584	350293	327685	272998	227767

Table 2. Percentage of Younger (17 and under) and Older (65 and over) Residents in Iowa Counties, 1940-1990.

		Res	idents A	ge 17 and	d Under			Resi	idents Ag	ge 65 and	d Over	
County	1990	1980	1970	1960	1950	1940	1990	1980	1970	1960	1950	1940
Adair	25.1	26.8	31.6	33.5	32.1	31.4	23.6	19.7	16.9	14.9	11.2	9.6
Adams	24.4	26.4	30.9	34.6	33.0	32.1	21.7	18.8	17.0	14.9	11.8	9.2
Allamakee	27.2	30.5	36.6	38.7	34.3	32.3	19.5	17.0	16.0	13.7	12.0	10.6
Appanoose	25.2	27.5	29.4	30.1	30.7	31.7	21.4	18.6	18.9	19.3	14.6	10.3
Audubon	25.5	27.6	35.0	37.0	33.1	32.3	23.1	18.6	15.5	13.1	9.9	7.9
Benton	27.7	30.0	36.1	37.0	32.6	30.6	16.6	14.6	13.3	12.5	10.9	9.5
Black Hawk	25.4	28.3	35.5	38.2	30.7	28.3	13.6	10.2	9.1	8.7	8.1	7.3
Boone	24.5	25.9	31.7	33.3	29.7	29.4	18.0	16.4	16.2	14.7	12.1	9.7
Bremer	25.3	29.3	33.9	34.9	31.9	31.1	16.7	13.1	12.1	11.3	10.8	9.8
Buchanan	30.8	33.3	39.6	39.1	33.7	29.1	15.6	12.2	11.5	11.7	11.7	11.7
Buena Vista	25.9	26.1	33.6	35.7	29.9	28.9	17.9	16.3	14.8	13.2	10.7	8.4
Butler	26.4	29.1	34.0	35.8	32.7	32.0	20.5	16.5	14.4	12.7	10.9	9.3
Calhoun	25.1	26.4	32.9	36.0	32.4	31.1	23.7	19.6	17.2	13.8	11.1	8.6
Carroll	29.7	32.0	40.0	40.1	35.1	34.6	17.8	14.8	13.3	11.7	9.3	7.5
Cass	25.6	26.7	32.1	33.3	30.5	28.6	20.9	18.8	17.2	14.8	12.3	9.5
Cedar	26.7	29.2	34.5	36.3	30.8	28.0	16.9	14.6	14.0	12.8	11.7	10.1
Cerro Gordo	24.8	25.8	33.2	36.1	30.8	30.6	16.9	14.4	12.8	11.8	9.5	7.3
Cherokee	27.1	28.0	35.8	35.4	30.1	28.7	18.5	15.6	13.6	13.2	11.2	8.9
Chickasaw	28.1	31.7	38.6	38.1	34.5	31.8	17.8	14.5	13.5	12.5	11.1	9.7
Clarke	26.2	27.5	30.1	32.1	30.7	31.3	18.6	17.1	17.8	16.8	13.7	11.2
Clay	27.3	28.5	34.5	37.6	32.3	31.1	16.5	13.7	13.1	11.4	9.3	7.6
Clayton	27.9	29.6	35.3	36.2	32.2	31.0	18.1	16.3	14.9	13.5	11.5	
Clinton	26.7	29.8	36.0	36.2	30.7	28.1	16.0	12.9	11.5	11.4	10.1	10.1
Crawford	27.5	30.6	37.4	36.9	33.8	32.5	17.4	14.0	13.1	12.8		9.7
Dallas	27.8	29.8	34.8	34.8	30.6	29.5	14.6	13.0	13.6	14.6	9.5	7.4
Davis	27.2	28.8	31.6	34.4	31.8	31.7	18.7	17.1	16.8	14.8	12.3	9.7
Decatur	23.3	24.2	26.8	30.4	31.1	32.2	20.5	18.3			13.6	11.1
Delaware	30.7	33.8	41.3	40.5	35.7	33.9	14.7	12.5	18.1	16.6	13.7	11.8
Des Moines	25.7	28.3	33.5	34.5	29.1	26.5	16.2		12.0	11.5	10.2	9.3
Dickinson	23.5	26.7	32.1	35.3	32.4	31.7		14.1	13.2	12.3	10.7	11.1
Dubuque	27.1	32.0	39.8	38.2	31.3	30.7	20.8	16.2	15.2	13.3	9.7	7.8
Emme t	26.6	28.9	34.9	38.9	34.0		14.1	11.1	10.0	10.3	9.9	9.3
Fayette	26.5	29.3	35.3			31.6	18.9	14.7	13.2	11.4	9.4	8.0
Floyd	25.9	29.4		36.4	32.7	31.6	19.2	16.3	14.4	12.5	11.0	9.4
Fr an klin	25.7	26.8	34.4	36.0	32.6	30.0	19.6	15.4	13.7	13.2	10.9	9.2
Fremont	26.1		32.2	34.9	32.6	31.3	20.0	17.2	15.8	12.4	9.2	7.8
Greene	24.7	27.2	31.4	33.2	32.2	32.1	21.6	18.5	16.8	14.7	12.0	9.7
arundy	25.6	27.3	33.2	35.2	32.2	30.8	22.5	19.1	16.6	14.2	11.1	8.9
athrie		28.6	33.5	35.2	31.7	28.8	20.0	15.6	13.2	12.1	10.2	8.2
	24.9	26.7	31.8	34.2	32.5	32.2	21.0	19.8	18.5	15.8	12.4	9.6
iamilton	25.4	27.5	33.6	36.1	32.0	31.1	18.5	15.4	13.7	12.1	10.4	8.3
lancock	28.2	29.3	36.2	37.9	35.3	33.4	18.1	15.4	14.6	11.4	9.0	7.4
lardin	25.0	27.0	32.0	34.3	30.3	29.9	21.2	17.2	15.8	14.6	11.8	9.7
larrison	26.9	29.1	34.0	36.6	34.0	34.2	19.5	17.2	16.4	14.3	11.4	8.8
lenry	25.2	27.1	31.5	30.9	27.3	25.8	16.5	15.3	14.3	16.4	14.6	13.5
lowerd	26.8	28.7	35.4	36.7	33.6	32.1	21.6	19.2	16.3	13.8	11.7	10.0
lumbol dt	25.5	27.5	36.0	37.6	33.7	32.5	21.0	16.5	13.7	12.2	10.2	8.2
da	27.9	27.2	34.6	35.3	30.9	30.9	20.3	18.2	15.7	14.3	9.7	7.8
OMB	25.6	27.6	35.0	36.1	32.0	30.7	18.8	16.4	13.9	12.4	11.8	10.2
ackson	27.9	32.3	38.7	37.9	33.1	31.6	16.6	13.8	13.0	12.0	11.8	10.3
asper	25.6	28.2	34.7	35.9	31.7	31.7	15.9	13.6	11.8	11.0	9.8	8.6

Table 2. Percentage of Younger (17 and under) and Older (65 and over) Residents in lowe Counties, 1940-1990 (continued).

		Resid	dents Age	e 17 and	Under			Resid	ients Ago	e 65 and	Over	
County	1990	1980	1970	1960	1950	1940	1990	1980	1970	1960	1950	1940
Jefferson	24.4	24.9	30.0	32.3	29.6	28.7	14.7	15.0	14.3	14.0	12.4	10.5
Johnson	20.1	22.0	28.7	31.2	25.1	26.9	7.4	7.1	7.0	8.3	7.8	9.2
Jones	25.7	29.4	35.5	36.8	32.1	28.9	15.9	13.5	12.4	11.5	10.3	9.3
Keokuk	26.0	27.1	33.1	34.6	30.8	30.2	20.7	20.0	17.9	16.3	14.9	11.6
Kossuth	28.1	30.4	38.2	40.1	36.9	35.3	19.0	15.1	12.9	10.1	8.4	6.9
Lee	25.8	28.2	33.7	34.8	29.9	27.5	16.7	13.7	12.8	12.2	10.6	9.9
Lim	25.1	29.1	36.2	35.5	28.4	26.3	12.1	10.1	9.1	9.9	10.2	8.8
Louisa	27.3	30.8	35.1	35.7	33.0	32.4	15.0	13.8	14.1	13.4	11.8	11.3
Lucas	24.6	26.8	31.2	31.1	29.3	31.5	20.7	18.4	18.2	17.8	15.1	10.6
Lyon	30.2	31.1	38.5	39.7	36.5	35.4	18.0	15.3	13.2	10.2	8.0	6.9
Madison	27.6	29.2	32.0	34.0	32.4	31.2	18.0	17.1	17.0	15.8	12.6	10.4
Mahaska	26.1	26.4	29.8	33.4	29.9	29.2	17.7	16.1	16.3	14.6	12.5	11.0
Marion	25.6	27.6	30.8	32.6	29.6	29.8	16.1	14.4	15.0	14.7	11.4	9.6
Marshall	25.1	28.1	34.0	34.5	30.0	28.9	17.5	13.9	12.3	12.6	11.1	9.1
Mills	27.5	29.6	34.6	35.0	32.6	30.8	13.7	12.7	13.0	11.5	10.4	8.4
Mitchell	26.1	28.8	37.1	38.6	33.7	31.6	21.8	18.7	16.1	13.2	12.0	10.1
Monona	24.5	26.2	32.3	35.5	35.0	34.7	23.7	20.1	16.9	13.9	10.2	7.9
Monroe	25.4	27.0	31.9	34.2	32.2	32.5	20.6	18.4	18.7	16.3	13.9	10.6
Montgomery	24.6	25.9	30.1	32.9	30.2	28.7	21.8	19.7	19.0	16.5	13.0	10.4
Muscatine	27.9	30.9	35.4	35.1	31.0	29.0	13.4	12.1	12.3	13.4	12.0	10.2
O'Brien	26.7	27.5	35.0	36.9	33.0	31.2	20.6	17.6	15.9	13.1	9.7	8.7
Osceola	27.2	28.8	36.1	38.8	35.0	35.3	19.3	17.2	15.0	10.8	7.8	6.3
Page	25.0	26.0	28.2	30.1	27.7	26.3	20.9	19.1	18.7	16.6	13.7	10.9
Palo Alto	26.7	28.7	36.2	39.7	36.5	36.5	20.5	17.0	14.7	11.5	8.6	7.5
Plymouth	29.0	30.3	36.5	38.7	33.4	32.3	16.3	14.4	12.2	11.5	9.0	7.7
Pocahontas	26.0	27.7	36.3	38.1	35.1	34.2	21.8	18.4	15.7	12.4	8.7	7.4
Polk	25.1	27.5	34.1	35.1	29.0	26.8	11.5	10.4	9.8	9.7	9.0	7.5
Pottawattamie	27.3	30.4	37.5	38.2	31.6	31.0	13.4	11.6	10.6	9.9	9.6	8.3
Poweshiek	24.5	26.3	32.4	34.4	29.9	29.3	16.7	14.9	13.5	12.9	11.4	10.6
Ringgold	23.9	24.7	29.0	33.7	31.9	32.1	24.2	21.2	19.1	15.8	13.6	10.9
Sac	26.6	27.1	34.2	36.9	32.6	32.1	21.9	18.9	16.2	13.6	10.5	7.9
Scott	27.9	30.8	37.2	36.4	29.4	26.2	11.5	8.9	9.1	9.8	8.9	8.5
Shelby	27.1	30.5	38.6	39.7	35.3	35.2	20.4	16.1	14.0	12.7	9.3	7.0
Sioux	29.9	30.9	37.0	40.1	36.5	37.0	14.7	12.7	11.8	10.5	8.5	6.9
Story	19.8	20.8	27.0	31.3	27.3	28.6	9.6	8.3	8.3	9.9	8.4	8.5
Tama	26.1	29.0	34.4	35.7	31.8	30.4	19.4	17.0	15.4	13.9	11.7	9.3
Taylor	25.6	25.7	28.5	31.7	30.4	30.8	24.1	21.3	21.3	18.6	15.2	11.5
Union	25.8	27.5	31.5	32.5	29.2	28.5	19.3	17.9	18.1	17.3	14.0	11.6
Van Buren	26.3	28.2	31.3	32.5	30.5	28.2	20.4	18.7	18.6	16.9	16.0	13.4
Wapello	24.0	26.3	32.2	34.9	31.7	29.7	18.7	16.9	14.7	12.2	10.0	9.0
Warren	28.3	32.7	37.9	37.4	32.5	31.7	10.9	9.2	9.2	11.3	11.4	10.9
Washington	26.8	28.7	34.6	36.1	32.2	30.3	18.6	16.3	15.6	14.5	12.9	11.1
Wayne	23.4	24.1	27.4	29.8	28.8	29.8	26.3	22.9	21.9	19.1	15.5	12.8
Webster	26.0	27.7	35.5	37.1	31.8	30.8	17.6	14.7	12.5	11.6	9.7	7.7
Winnebago	25.5	26.6	31.2	34.9	33.4	33.4	19.1	17.7	15.1	12.5	10.2	8.3
Winneshiek	24.6	27.5	34.1	35.7	32.2	31.6	15.4	14.1	13.5	11.7	10.8	10.2
Woodbury	28.1	28.9	34.6	36.1	30.4	29.4	14.7	13.3	12.5	11.5	9.2	7.3
Worth	24.8	26.4	32.3	36.2	33.7	31.7	20.9	18.7	16.3	12.2	10.3	8.2
Wright	24.4	26.5	33.4	37.0	32.6	31.8	22.1	18.1	15.2	12.7	10.6	8.2
State of Iowa	25.9	28.3	34.5	35.8	31.1	30.0	15.3	13.3	12.4	11.9	10.4	9.0

No county reported increases each decade in the number under the age of 18. Warren was the only county with gains every decade to 1980. Eighteen counties had smaller numbers of youth each succeeding decade, and another six had their highest numbers in 1940 although they didn't drop every decade after that point. A majority (52) of the counties peaked in 1960; two of these (Audubon, Wright) had less than half their 1960 totals 30 years later in 1990.

From 1980 to 1990, only one county (Johnson, +1,399) had an increase in the number under 18 years of age. Declines in other counties ranged from less than 500 in 29 counties to more than 5,000 in four (Black Hawk, -7,604; Dubuque, -6,552; Linn, -6,965; Scott, -7,177). Ida's percentage of youth was up 0.7 percentage points; this was the only county with such an increase. Although the number under 18 declined (-91) in Ida, the percentage increased because other age groups lost more residents. Johnson's percentage dropped by 1.9 percentage points even though the number in this age category increased; numbers in other age groups increased by proportionately greater amounts. Percentages of youth dropped by at least four points in five counties (Bremer, Dubuque, Jackson, Linn, Warren) between 1980 and 1990. In general, percentage declines among youth from 1970 to 1980 were even greater than during the most recent decade.

In 1990, all but two counties (Ringgold, Wayne) had more residents under 18 than 65 and over. Of the 97 counties with more younger than older residents, 24 had less than five percentage points separating those 17 or under and those 65 or older, although the figure for the state was 10 points. Eleven counties (Delaware, Johnson, Linn, Mills, Muscatine, Polk, Pottawattamie, Scott, Sioux, Story, Warren), most of which are associated with urban areas, had at least two youths for every person 65 or older.

Note: These data are from the decennial censuses for lowa as reported by the U.S. Bureau of the Census. The figures for 1990 are from a census bureau computer tape (Summary Tape File 1A). Publications released later may report slightly revised numbers for 1990; the bureau updates figures if it determines that errors were made on earlier tapes or publications.

Race and Hispanic Origin in Iowa's Counties: 1980-1990

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

The decline in lowa's total population in the 1980s did not occur in all racial categories nor among those of Hispanic origin. Indeed, population loss occurred only among whites (-156,135) (Tables 1 and 2). Blacks increased by 6,390 from 1980 to 1990. Asians and Pacific Islanders (+13,899) and Native Americans (+1,894), a category including American Indian, Eskimo, and Aleut residents, also gained. People of Hispanic origin (+7,111), who can be of any race, increased as well.

The concept of race as used by the U.S. Bureau of the Census reflects self-identification; it does not denote any clear-cut scientific definition of biological stock. The data for race represent self-classification by people according to the race with which they most closely identify. Furthermore, it is recognized that the categories of the race item include both racial and national origin or sociocultural groups. Persons of Hispanic origin are those who classified themselves in specific categories on the census questionnaire; origin can be viewed as the ancestry, nationality group, lineage, or country of birth of the person or the parents or ancestors of the person before their arrival in the United States.

Whites accounted for the largest proportion (96.6%) of lowa's population in 1990. Blacks (48,090) constituted the second most numerous racial category in 1990, followed by 25,476 Asians and Pacific Islanders and 7,349 Native Americans. Another 12,750 were counted as members of other racial groups. A total of 32,647 inhabitants of Hispanic origin were located in the state.

lowa's minority residents were not distributed evenly throughout the state. Nearly two-thirds (65.1%) of black residents, for example, lived in three counties (Black Hawk, Polk, Scott) in 1990; 41 counties had fewer than 10 blacks. Unlike 1980, however, when six counties had no black residents, all counties had members in this racial category in 1990. Two counties (Polk, Scott) had at least 1,000 more black residents in 1990 than in 1980. More than two-thirds (69) of lowa's counties had increases in the number of blacks; six had the same number in both censuses, and the remaining 24 had fewer in 1990 than in 1980. The majority (58) of the counties had changes of less than 10 in either direction.

The number of Asians and Pacific Islanders more than doubled (+120.1%) across Iowa in the 1980s. Still, they tended to be concentrated in three counties (Johnson, Polk, Story) that included 52.2% of this group. In addition to these three counties, Black Hawk, Linn, Scott, and Woodbury also had at least 1,000 residents in this racial category. Twenty-one counties had fewer Asians and Pacific Islanders in 1990 than 10 years earlier; these tend to be Iowa's more rural areas. Johnson, Polk, and Story each had increases of at least 2,000 Asians and Pacific Islanders between 1980 and 1990.

Nearly half (46.7%) of Native Americans were counted in three counties (Polk, Tama, Woodbury). Numbers increased in 73 counties over the decade, although they declined in 21; five counties had the same number of Native Americans in 1980 and 1990. Increases were greater than 100 in four counties (Polk, Scott, Tama, Woodbury). As with blacks, more counties (54) had changes of less than 10 Native Americans than increases or decreases of greater magnitude.

The minority group spread most evenly across the state includes people of Hispanic origin. Still, four counties (Muscatine, Polk, Scott, Woodbury) contained nearly half (49.1%) of the members of this ethnic group in 1990. Although the total number of Hispanics increased by 27.8% in lowa, they decreased in 37 counties. Gains topped 500 in five counties (Johnson, Muscatine, Polk, Scott, Woodbury).

Table 1. Race and Hispanic Origin in Iowa Counties, 1990.

				Race			
				Asians and	Native	Other	Nispanio Origin*
County	Total	White	Black	Pacific Is.	Americans		
Adeir	8409	8377	1	19	5	7	35
Adams	4866	4847	3	3	7	6	18
Allamakee	13855	13791	5	28	21	10	42
Appanoose	13743	13582	79	36	26	20	72
Audubon	7334	7324	1	6	3	0	22
Benton	22429	22317	20	42	31	19	93
Black Hawk	123798	113656	8514	1005	226	397	912
Boone	25186	25003	62	78	19	24	99
Bremer	22813	22580	70	132	11	20	72
Buchanan	20844	20695	38	43	24	44	112
Buena Vista	19965	19458	56	396	16	39	160
Butler	15731	15681	4	25	12	9	37
Calhoun	11508	11433	30	23	11	11	40
Carroll	21423	21325	7	56	19	16	57
Cass	15128	15074	9	15	22	В	46
Cedar	17381	17274	16	49	17	25	109
Cerro Gordo	46733	45738	303	260	44	388	994
Cherokee	14098	14000	20	32	37	9	51
Chickasaw	13295	13264	4	18	4	5	40
Clarke	8287	8252	3	21	8	3	19
Clay	17585	17449	8	82	31	15	44
Clayton	19054	18 996	6	27	16	9	61
Clinton	51040	49882	732	202	125	99	294
Crawford	16775	16569	59	88	33	26	98
Dallas	29755	29534	63	70	42	46	176
Davis	8312	8246	2	21	25	18	41
Decatur	8338	8197	35	71	16	19	45
Delaware	18035	17959	11	32	15	18	68
Des Moines	42614	40809	1327	225	69	184	492
Dickinson	14909	14830	16	26	22	15	52
Dubuque	86403	85367	354	437	77	168	437
Emmet	11569	11484	19	31	12	23	63
Fayette	21843	21673	48	48	16	58	195
Floyd	17058	16953	8	44	13	40	92
Frankl in	11364	11253	6	17	8	80	152
Fremont	8226	8177	4	16	9	20	53
Greene	10045	9994	5	30	10	6	30
Grundy	12029	11986	7	21	9	6	34
Guthrie	10935	10883	7	14	19	12	35
Hamilton	16071	15902	9	90	21	49	116
Hancock	12638	12524	1	26	5	82	129
Hardin	19094	18844	117	53	25	55	106
Harrison	14730	14649	10	51	15	5	50
Henry	19226	18710	211	215	44	46	127
Howard	9809	9768	5	20	7	9	24
Humboldt	10756	10701	9	27	15	4	37
Ida	8365	8331	1	19	5	9	23
Iowa	14630	14566	7	34	11	12	39
Jackson	19950	19867	16	24	23	20	96
Jasper	34795	34446	65	175	62	47	194

^{*}Hispanics can be of any race.

Table 1. Race and Hispanic Origin in Iowa Counties, 1990 (continued).

				Race			
County	Total	White	Black	Asians and Pacific Is.	Native Americans	Other	Hispani Origin'
lefferson	16310	16027	93	139	23	 28	141
Johnson	96119	89649	1979	3837	176	478	1435
lones	19444	19056	299	22	35	32	95
(eokuk	11624	11565	6	27	19	7	19
(ossuth	18591	18463	8	59	7	54	94
ee	38687	36990	1112	135	61	389	732
im	168767	163164	3334	1401	363	505	1591
ouisa	11592	11206	86	18	36	246	425
ucas	9070	9004	4	17	20	25	53
yon .	11952	11896	2	35	15	4	11
ladison	12483	12402	5	16	37	23	67
lahaska	21522	21254	42	179	16	31	92
Marion	30001	29550	104	283	42	22	162
tarshall	38276	37472	279	302	105	118	292
Hills	13202	13110	22	17	28	25	72
Mitchell	10928	10896	2	21	1	8	45
Monona .	10034	9982	5	13	26	8	30
Monroe	8114	8039	19	33	16	7	18
Montgomery	12076	12038	5	12	11	10	52
Muscatine	39907	37745	208	300	90	1564	2900
O'Brien	15444	15343	8	52	32	9	39
Osceola	<i>7</i> 267	7228	3	16	9	11	16
Page	16870	16586	84	80	52	68	197
Palo Alto	10669	10616	8	18	23	4	24
Plymouth	23388	23260	48	53	14	13	58
Pocahontas	9525	9485	4	17	10	9	32
Polk	327140	303168	14799	6003	922	2248	6161
Pottawattamie	82628	81205	464	284	240	435	1516
Poweshiek	19033	18705	87	191	22	28	68
Ringgold	5420	5390	1	18	10	1	16
Sac	12324	12276	4	20	14	10	44
Scott	150979	139408	7970	1357	485	1759	4253
Shelby	13230	13177	5	20	20	8	44
Sioux	29903	29608	25	209	32	29	66
Story	74252	69143	1191	3464	106	348	840
Tama	17419	16465	31	65	812	46	128
Taylor	7114	7070	1	18	7	18	46
Union	12750	12650	10	49	22	19	42 29
Van Buren	7676	7638	10	18	8	2	
Wapello	35687	35063	270	168	95 	91 47	224 277
Warren	36033	35684	90	145	51	63	196
Wash ington	19612	19403	90	54	16	49	29
Wayne	7067	7036	1	16	8	6 145	490
Webster	40342	39022	883	159	113	165 32	97
Winnebago	12122	11965	31	77	17	32 27	6'
Winneshiek	20847	20577	43	195	5 1407	1338	2712
Woodbury	98276	92098	1877	1266	1697	1336	9
Worth	7991	7918	15	14	2 15	42 28	97
Wright	14269	14175	10	41			
State of Iowa	2776755	2683090	48090	25476	7349	12750	3264

Table 2. Race and Hispanic Origin in Iowa Counties, 1980.

				Race			
				Asians and	Native		Hispanio
County	Total	White	Black	Pacific Is.	Americans	Other	Origin*
Adair	9509	9488	1	5	1	14	25
Adams	5731	5 <i>7</i> 11	1	15	4	0	15
Allamakee	15108	15051	8	10	8	31	34
Appanoose	15511	15277	103	42	38	51	96
Audubon	8559	8533	0	12	2	12	24
Benton	23649	23559	6	20	29	35	81
Black Hawk	137961	127923	8595	679	254	510	946
Boone	26184	25 <i>9</i> 89	50	74	22	49	90
Bremer	24820	24634	46	79	16	45	82
8uchanan	22900	22748	25	41	21	65	88
Buena Vista	20774	20641	9	25	16	83	69
Butler	17668	17580	4	29	10	45	41
Calhoun	13542	13487	21	13	8	13	50
Carroll	22951	22881	3	38	16	13	102
Cass	16932	16830	10	44	13	35	39
Cedar	18635	18495	12	55	21	52	103
Cerro Gordo	48458	47595	238	143	42	440	942
Cherokee	16238	16178	7	19	20	14	38
Chickasaw	15437	15385	2	21	9	20	27
Clarke	8612	8563	4	13	9	23	24
Clay	19576	19443	4	34	37	58	46
Clayton	21098	20987	8	23	30	50	71
Clinton	57122	56137	551	194	99	141	297
Crawford	18935	18764	9	53	14	95	110
Dallas	29513	29325	56	70	19	43	192
Davis	9104	9060	16	4	5	19	27
Decatur	9794	9659	27	48	15	45	79
Delaware	18933	18877	3	15	11	27	58
Des Maines	46203	44790	1021	122	63	207	465
Dickinson	15629	15563	4	14	20	28	42
Dubuque	93745	93015	237	236	58	199	458
Emme t	13336	13238	13	31	12	42	43
Fayette	25488	25294	44	57	9	84	212
Floyd	19597	19532	4	29	3	29	97
Frenklin	13036	12935	7	18	3	73	118
Fremont	9401	9333	5	11	26	26	51
Greene	12119	12044	4	45	9	17	24
Grundy	14366	14325	1	18	4	18	35
Guthrie	11983	11957	3	15	6	2	20
lamilton	17862	17748	10	47	18	39	95
lancock	13833	13773	6	17	7	30	94
tardin	21776	21585	60	52	26	53	84
farrison	16348	16294	8	11	25	10	26
lenry	18890	18573	125	87	23	82	100
foward	11114	11084	3	18	3	6	14
lumboldt	12246	12189	11	13	7	26	
da	8908	8898	1	2	3	4	53
ONE	15429	15339	4	38	7	41	6
lackson	22503	22451	4	30	5		42
Jasper	36425	36169	40	36 85	42	13 89	76 149

^{*}Hispanics can be of any race.

Table 2. Race and Hispanic Origin in Iowa Counties, 1980 (continued).

				Race			
				Asians and	Native		Hispanio
County	Total	White	Black	Pacific Is.	Americans	Other	Origin*
lefferson	16316	16120	74	30	19	73	100
Johnson	81717	78334	1194	1348	126	715	829
iones	20401	20238	102	15	22	24	76
(eokuk	12921	12876	3	12	9	21	32
(ossuth	21891	21780	6	41	11	53	98
Le e	43106	41358	1121	171	62	394	818
Linn	169775	165300	2740	727	268	740	1282
Louisa	12055	11935	7	15	19	79	145
Lucas	10313	10270	2	14	13	14	35
Lyon	12896	12831	2	8	8	47	20
Madison	12597	12538	5	11	12	31	39
Mahaska	22867	22547	116	60	33	111	96
Marion	29669	29218	103	156	30	162	164
Marshall	41652	40892	266	163	75	256	274
Mills	13406	13326	16	20	21	23	54
Mitchell	12329	12317	0	10	1	1	38
	11692	11660	0	4	18	10	42
Monona		9154	25	7	12	11	35
Monroe	9209		رے 8	15	11	33	31
Montgomery	13413	13346		136	47	1329	2091
Muscatine	40436	38737	187	9	41 5	9	42
O'Brien	16972	16946	3		_	10	22
Osceol a	8371	8333	10	6	12 22	84	139
Page	19063	18863	37	57	5	18	45
Palo Alto	12721	12682	6	10	-	33	43 78
Plymouth	24743	24598	46	42	24	33 5	78 42
Pocahontas	11369	11348	1	7	8	=	
Polk	303170	282831	13700	2204	712	3723	4579 4307
Pottawattamie	86561	85256	443	227	171	464	1207
Poweshiek	19306	19073	66	86	20	61	73 ~~
Ringgold	6112	6075	0	23	8	6	25
Sac	14118	14077	3	8	3	27	35
Scott	160022	150425	6620	815	339	1823	3553
Shelby	15043	14951	6	63	4	19	50
Sioux	30813	30562	35	60	60	96	85
Story	72326	69452	789	1249	59	777	617
Tame	19533	18794	13	34	658	34	78
Taylor	8353	8320	1	19	5	8	27
Union	13858	13799	16	26	7	10	38
Van Buren	8626	8570	6	30	7	13	22
Wapello	40241	39737	277	71	48	108	165
Warren	34878	34550	118	112	39	59	181
Wash ington	20141	20012	29	45	10	45	106
_	8199	8153	0	15	8	23	17
Wayne Unhater	45953	44783	797	120	36	217	475
Webster Uinnebass	13010	12896	26	25	7	56	78
Winnebago	21876	21588	93	39	2	154	59
Winneshiek	100884	97659	1126	314	1169	616	1145
Woodbury	9075	9008	22	6	4	35	67
Worth Wright	16319	16178	0	78	18	45	87
-							

The state gained some diversity in its population in the 1990s, although the change was small. In 1980, 97.4% of the residents were white, while in 1990 this percentage was 96.6%. Twenty-nine counties had increases in each of four minority groups (three racial categories and one ethnic group); another 37 had gains in three of these four groups. The numbers in at least three of the four minority groups declined in nine counties, however (Appanoose, Black Hawk, Clarke, Clayton, Lee, Mahaska, Osceola, Shelby, Sioux).

Note: These data are from the decennial censuses for lowa as reported by the U.S. Bureau of the Census. The figures for 1990 are from a census bureau computer tape (Summary Tape File 1A). Publications released later may report slightly revised numbers for 1990; the bureau updates figures if it determines that errors were made on earlier tapes or publications.

Marital Status in Iowa's Counties: 1950-1990

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

According to the U.S. Bureau of the Census, lowa had 1,136,037 females and 1,033,960 males who were 15 years of age or older in 1990 (Table 1). The bureau uses this age group for reporting marital status. Among females, 20.5% were never married, 56.8% were married, and the remainder were widowed (13.6%), divorced (8.0%), or separated (1.2%). Males also tended to be married (62.6%); another 27.2% were never married, while 6.6% were divorced and 1.0% were separated. The percentage of males who were widowed (2.6%) was much lower than that of females.

The 1980 (Table 2) and 1990 (Table 1) numbers in the marital status categories are based on those 15 years of age or older. Comparisons with 1970 (Table 3), 1960 (Table 4), and 1950 (Table 3) are more difficult because they use the total number 14 and older as the base for calculations.

Never Married

Males are more likely than females to be in the never married category over the decades by five to seven percentage points. The percentage of females who never married declined from 21.3% in 1980 to 20.5% in 1990; the decrease was similar among males (1980, 28.0%; 1990, 27.2%).

The ratio of men to women who never married varied from 1.01 (slightly more men than women) to 1.96 (nearly two never married men to every never married woman) across lowa's counties in 1990. The highest ratios occurred in Howard (1.61), Jones (1.96), and Pocahontas (1.62) counties. Counties with almost equal numbers of never married females and males included Black Hawk (1.01), Cerro Gordo (1.06), Dubuque (1.07), Polk (1.03), and Sioux (1.09).

In 1990, the percentage of never married females varied from less than 15% in 39 counties to at least 20% in 15 others. Only two counties (Johnson, 41.4%; Story, 36.8%) reported that at least 30% of their females were never married; large numbers of females of college age reside in those counties, of course, thus increasing these percentages.

Among males, the percentage who had never married as of 1990 ranged from less than 20% in seven counties (Audubon, 19.8%; Fremont, 19.3%; Grundy, 19.5%; Guthrie, 19.4%; Ringgold, 17.4%; Taylor, 18.6%; Wayne, 17.0%) to at least 25% in 31 others. Again, Johnson (47.0%) and Story (49.3%) were substantially higher than most counties. Three others (Black Hawk, 30.4%; Dubuque, 31.0%; Winneshiek, 34.9%) had at least 30% of all males 15 years of age and older in the never married category.

Now Married

The percentage married has been dropping since 1960, when 66.0% of the females and 70.0% of the males 14 and older were married. This was a continuation of the trend since 1950 for females, 66.9% were married. But a greater percentage of males were married in 1960 than in 1950 (68.2%).

In 1990, the percentages of females married varied from less than 50% in Johnson (43.9%) and Story (47.9%) to 60%-67% in 60 others. Grundy (65.2%) and Lyon (66.5%) reported that at least 65% of their females were married. The trends were similar among males, with the same two counties (Johnson, 45.8%; Story, 45.1%) having substantially lower percentages married than the others. Sixty-six counties ranged from 65%-73%, with 11 at 70% or higher. Grundy (73.0%) and Lyon (72.7%) again reported the highest figures.

Table 1. Marital Status for Females and Males in Iowa Counties, 1990.

			F	emat es						Males		
County	Total 15+	Never Married	Now Married	Separated	Widowed	Divorced	Total 15+	Never Married	Now Married	Separated	Widowed	Divorced
Adair	3486	420	2217	28	651	170	3130	630	2220	22	99	
Adams	2012	264	1286	18	338	106	1872	380	1289	10	80	159
Allamakee	5494	864	3335	34	994	267	5182	1364	3346	31	178	113
Appanoose	5776	884	3314	89	1027	462	5089	1140	3305	62	201	263
Audubon	3034	364	1968	16	549	137	2727	540	1963	15	88	381 121
Benton	8874	1327	5613	86	1271	577	8278	1871	5620	57	212	518
Black Hawk	51992	13611	26709	816	6305	4551	45265	13782	26705	545	1124	3109
Boone	10529	1735	6198	101	1630	865	9379	2159	6171	85	263	701
Bremer	9386	1891	5710	59	1305	421	8663	2341	570 9	46	226	341
Buchanan	7963	1291	4925	83	1129	535	7469	1817	4947	72	190	443
Buena Vista	8125	1598	4768	78	1228	453	7427	2013	4781	57	231	345
Butler	6403	908	4102	44	1094	255	5884	1286	4106	37	192	263
Calhoun	4832	642	2909	42	1000	239	4238	886	2941	49	135	227
Carroll	8394	1482	5048	39	1415	410	7574	1948	5058	27	236	305
Cass	6328	825	3805	76	1203	419	5538	1163	3811	56	199	309
Cedar	6933	1049	4395	53	941	495	6517	1461	4386	41	184	445
Cerro Gordo	19927	4000	10878	285	2983	1781	16991	4244	10879	192	511	1165
Cherokee	5723	876	3472	41	951	383	5200	1203	3464	45	171	317
Chickasaw	5205	815	3302	38	810	240	4979	1231	3304	40	156	248
Clarke	3424	485	2081	48	555	255	3040	639	2078	36	86	201
Clay	7186	1154	4314	79	1070	569	6274	1297	4320	62	187	408
Clayton	7486	1176	4723	50	1196	341	7141	1777	4737	43	233	351
Clinton	20906	3825	11952	269	3015	1845	18719	4566	11952	184	559	1458
Crawford	6679	1163	3982	75	1071	388	6334	1724	3979	57	203	371
Dallas	11858	1788	7289	147	1591	1043	10865	2406	7309	96	244	810
Davis	3343	482	2110	34	546	171	3074	660	2124	26	97	167
Decatur	3505	739	1948	35	551	232	3225	928	1962	27	117	191
Delaware	6844	1147	4376	48	944	329	6474	1585	4378	38	185	288
Des Moines	17691	3075	9862	256	2598	1900	15687	3815	9857	170	458	1387
Dickinson	6284	847	3883	45	1039	470	5695	1196	3897	42	191	369
Dubuque	35 105	9151	19196	288	4297	2173	31710	9819	19222	204	811	1654
Emmet	4764	862	2772	47	829	254	4279	1144	2777	25	113	220
Fayette	8820	1392	5362	81	1517	468	8191	2100	5376	54	258	403
Floyd	7104	1079	4294	79	1224	428	6261	1349	4289	63	196	364
Franklin	4672	667	2916	60	804	225	4223	932	2911	38	145	197
Fremont	3440	484	2069	32	632	223	2993	578	2085	25	112	193
Greene	4244	556	2567	35	812	274	3704	759	2567	36	120	222
Grundy	4997	692	3257	24	813	211	4460	869	3257	16	127	191
Guthrie	4561	572	2848	33	804	304	4104	795	2850	37	165	257
lamilton	6597	969	4111	78	1012	427	6069	1397	4122	68	172	310
fancock	5022	768	3196	38	788	232	4614	1055	3193	37	120	209
lardin	7990	1219	4809	68	1431	463	7260	1778	4804	64	238	376
larrison	6068	921	3635	55	1085	372	5344	1131	3636	55	196	326
lenry	7627	1316	4513	87	1160	551	7533	1976	4686	94	224	553
loward	393 0	568	2422	21	731	188	3657	917	2436	17	129	158
lumbol dt	4414	584	2844	34	717	235	4025	837	2840	34	126	188
da	3365	428	2157	22	630	128	3036	663	2160	22	85	106
OHa	5940	832	3732	48	1005	323	5492	1269	3746	36	158	283
lackson	7951	1325	4823	59	1253	491	7361	1845	4829	37	233	417
asper	14195	2064	8970	147	1889	1125	13200	2806	9020	118	341	915

Table 1. Marital Status for Females and Males in Iowa Counties, 1990 (continued).

		· · ·	F	emales						Mal es		_
	Total	Never	Now			-	Total	Never	Now			
county	15+	Married	Married	Separated	Widowed	Divorced	15+	Married	Married	Separated	Widowed	Divorce
Jefferson	6660	1204	3819	85	859	693	6257	1763	3816	67	146	465
Johnson	40233	16660	17680	372	2599	2922	39060	18374	17869	289	436	2092
iones	7322	1153	4500	92	1138	439	7950	2261	4705	132	211	64
(eokuk	4762	649	2964	44	849	256	4303	898	2975	35	146	249
Cossuth	7435	1175	4672	48	1243	297	6790	1599	4677	46	218	250
Lee	15725	2734	8868	227	2439	1457	14561	3601	9057	181	446	1276
Linn	69511	15894	38696	828	7324	6769	63487	17890	38636	639	1382	4940
ouisa	4503	688	2819	44	597	355	4458	1070	2846	41	140	36
Lucas	3820	494	2260	63	718	285	3376	714	2259	45	138	220
Lyon	4648	686	3089	18	719	136	4241	925	3082	20	113	101
Madison	5012	724	3162	50	773	303	4626	1017	3156	43	132	278
Mahaska	8759	1431	5357	99	1250	622	8013	1860	5347	68	223	515
Marion	12000	2375	7116	102	1627	780	11549	3027	7241	90	353	838
Marshall	15669	2699	9160	202	2223	1385	14596	3423	9315	158	497	1203
Mills	5275	1063	3017	84	680	431	4954	1420	3031	48	130	325
Mitchell	4477	648	2812	28	796	193	4093	936	2817	34	127	175
Monona	4243	551	2497	47	896	252	3747	815	2506	29	166	231
Monroe	3372	522	1955	42	629	224	3015	697	1964	37	110	207
Montgomery	5173	772	2986	51	921	443	4413	936	2970	37	163	307
Muscatine	15832	2722	9351	212	2029	1518	14707	3631	9355	134	383	1204
O'Brien	6308	931	3951	41	1114	271	5649	1275	3961	35	179	199
Osceola	2916	416	1869	23	500	108	2686	610	1868	20	99	89
Page	6963	999	4060	101	1276	527	6408	1529	4122	84	237	436
Palo Alto	4338	682	2573	34	852	197	3951	1045	2580	28	142	156
Plymouth	9147	1599	5721	54	1349	424	8503	2168	5716	42	235	342
Pocahontas	3903	462	2469	25	767	180	3527	748	2472	26	120	161
Polk	137151	32850	71442	2132	14881	15846	119927	33823	71526	1556	2489	10533
Pottawattamie	33633	6432	18911	554	4281	3455	30004	7512	18913	335	812	2432
Powesh i ek	7977	1731	4524	83	1110	529	7189	2016	4531	49	200	393
Ringgold	2330	289	1428	22	446	145	2006	348	1438	21	66	133
Sac	4997	655	3140	35	913	254	4538	969	3142	31	164	232
Scott	60362	13421	33152	1047	6559	6183	54770	15225	33198	594	1274	447
Shelby	5342	776	3410	45	882	229	4900	1120	3417	27	150	186
Sioux	11647	2662	7194	41	1449	301	10603	2902	7198	32	243	228
Story	29791	10953	14264	227	2523	1824	31876	15706	14372	180	382	1236
Tame	7123	1140	4324	63	1169	427	6498	1502	4338	63	208	387
Taylor	3013	376	1827	28	596	186	2591	483	1832	29	108	139
Union	5409	944	3006	82	924	453	4631	1124	3005	50	136	316
Van Buren	3087	385	1974	20	530	178	2879	594	1969	22	112	183
Wapello	15187	2458	8583	216	2460	1470	13342	3129	8598	148	419	104
Warren	14359	2735	8875	142	1478	1129	13170	3146	8871	125	232	79
Washington	8011	1397		100	1218	541	7154	1645	4783	76	187	46.
Wayne	3019	346	1895	34	577	167	2651	451	1892	28	120	16
Webster	16720	3092		222	2595	1479	14694	3624	9291	198	459	112
Vinnebago	4983	891	2967	43	820	262	4540	1172	2968	37	140	22
Vinneshiek	8490	2344	4664	39	1079	364	8009	2798		32	198	32
Woodbury	39641	8378	21319	669	5487	3788	35288	9737	21478	448	934	269
Worth	3320	460		34	587	175	3006	675	2057	35	91	14
Wright	6011	806		76		321	5328	1077	3703	59	208	28
State of Iowa					154259	90577	1033960	281081	646925	9933	27309	6871

Table 2. Marital Status for Females and Males in Iowa Counties, 1980.

			F	emal es						Males		
County	Total 15+	Single	Now Married	Separated	Widowed	Divorced	Total 15+	Single	Now Married	Separated	Widowed	Divorceo
Adair	3814	480	2562	21	637	114	3635	825	2568	26	116	100
Adams	2323	334	1532	14	356	87	2239	537	1542	7	79	74
Allamakee	5879	1136	3574	39	963	167	5599	1627	3574	33	196	169
Appanoose	6415	971	3873	77	1136	358	5646	1286	3863	42	197	258
Audubon	3505	536	2254	18	585	112	3187	761	2246	13	82	85
Benton	9292	1538	5942	65	1375	372	8726	2174	59 3 6	44	256	316
Black Hawk	55739	14518	30744	685	5964	3828	50576	15565	30781	462	1044	2724
Boone	10944	2076	6526	80	1693	569	9836	2603	6511	60	270	392
Bremer	9806	2119	6157	48	1214	268	9183	2554	6168	37	211	213
Buchanan	8520	1589	5384	81	1137	329	8199	2243	5396	48	193	319
Buena Vista	8596	1693	5252	49	1290	312	7870	2149	5254	29	231	207
Butler	6932	1040	4687	32	1012	161	6562	1505	4701	21	198	137
Calhoun	5717	929	3515	33	1021	219	4993	1177	3492	28	168	128
Carroll	8964	1994	5248	46	1428	248	8164	2455	5247	29	265	168
Cass	7013	1094	4339	60	1197	323	6321	1479	4337	34	234	237
Cedar	7330	1232	4713	58	1036	291	6974	1759	4715	58	183	259
Cerro Gordo	20629	4474	11719	208	2916	1312	17792	4683	11710	151	463	785
Cherokee	6510	1109	4052	41	1007	301	6107	1562	4053	21	204	267
Chickasaw	5902	1146	3679	33	877	167	5672	1643	3686	27	154	162
Clarke	3467	468	2278	49	518	154	3200	668	2279	16	111	126
Clay	7949	1514	4919	62	1055	399	7094	1637	4925	60	192	280
Clayton	8157	1429	5244	45	1184	255	7960	2184	5243	40	235	258
Clinton	22727	4574	13656	158	2988	1351	20728	5331	13677	130	571	1019
Crawford	7312	1369	4592	42	1054	255	7027	2000	4605	31	187	204
Dallas	11695	1916	7410	112	1580	677	10672	2420	7405	90	278	479
Davis	3585	517	2389	14	539	126	3417	796	2394	17	99	111
Decatur	4129	985	2313	16	615	200	3735	1150	2314	17	127	127
Delaware	7105	1470	4416	28	986	205	6746	1917	4433	23	183	190
Des Moines	18968	3588	11092	212	2722	1354	16706	4059	11103	147	438	959
Dickinson	6402	984	4156	54	888	320	5849	1289	4161	41	142	216
Dubuque	36778	10772	19940	239	4250	1577	33236	11248	19936	174	768	1110
Emmet	5344	1030	3249	36	842	187	4867	1305	3263	22	129	148
Fayette	10062	1884	6237	57	1546	338	9516	2664	6242	41	319	250
Floyd	7900	1290	4908	61	1278	363	7093	1658	4929	59	196	251
Franklin	5324	855	3416	32	844	177	4907	1147	3429	31	179	121
Fremont	3852	569	2447	43	647	146	3480	747	2448	36	114	135
Greene	5027	762	3141	25	876	223	4464	1018	3129	31	126	160
Grundy	5757	925	3790	30	859	153	5344	1278	3781	25	120	140
Guthrie	4947	706	3131	33	883	194	4478	1006	3138	28	152	154
Hamilton	7231	1234	4553	56	1076	312	6737	1692	4562	43	208	232
Hancock	5372	845	3523	23	821	160	5172	1348	3532	22	117	153
Hardin	8965	1551	5485	61	1511	357	8304	2305	5477	45	238	239
Harrison	6578	1088	4105	48	1068	269	5969	1433	4098	45	204	189
Henry	7745	1530	4577	64	1157	417	7037	1872	4589	53	215	308
Howard	4404	807	2731	17	738	111	4202	1220	2726	18	158	80
Humboldt	4934	756	3273	26	696	183	4655	1099	3276	39	141	100
Ida	3575	517	2333	18	616	91	3376	813	2335	17	119	92
I Owa	6283	1083	3929	24	1022	225	5817		2335 3931		157	173
Jackson	8562	1673	5307	45	1191	346		1534		22		273
Jasper	14624	2245	9531	112	1948	340 788	8168 13526	2330 2964	5293 9559	35 99	237 323	581

Table 2. Marital Status for Females and Males in Iowa Counties, 1980 (continued).

		_	F	emal es						Males		
county	Total 15+	Single	Now Married	Separated	Widowed	Divorced	Total 15+	Single	Now Married	Separated	Widowed	Divorced
Jefferson	6679	1378	3939	67	906	389	6341	1910	3928	55	149	299
Johnson	34341	13633	15863	336	2337	2172	32596	14541	15927	242	396	1490
Jones	7618	1350	4842	53	1099	274	8025	2422	4971	80	215	337
Keokuk	5253	829	3346	27	885	166	4908	1199	3354	22	195	138
Kossuth	8488	1612	5385	50	1189	252	8150	2326	5408	31	212	173
Lee	17178	3242	10060	241	2505	1130	16250	4242	10255	222	475	1056
Linn	68069	15976	39151	789	7170	4983	61918	17352	39161	614	1248	3543
Louisa	4624	736	2996	53	590	249	4440	1055	2994	46	119	226
Lucas	4305	662	2629	48	748	218	3800	853	2625	40	105	177
Lyon	4931	846	3266	24	721	74	4701	1207	3273	10	137	74
Madison	4982	690	3286	32	797	177	4660	1024	3275	27	147	187
Mahaska	9373	1600	5817	85	1414	457	8552	2047	5848	65	244	348
Marion	11758	2403	7157	113	1569	516	11221	2998	7298	81	320	524
Marshall	16808	3144	10167	170	2265	1062	15402	3760	10209	131	454	848
	5186	1030	3156	49	688	263	4966	1458	3175	45	101	187
Mills	4983	923	3067	28	833	132	4598	1253	3068	28	133	116
Mitchell 	4903	685	3043	42	845	187	4482	1081	3038	26	177	160
Monona 		616	2277	24	691	171	3462	883	2294	23	130	132
Monroe	3779			70	942	313	4932	1048	3489	36	158	201
Montgomery	5637	811	3501 0574			1033	14585	3662	9608	141	377	797
Muscatine	15696	2811	9576	210	2066				4373	24	193	99
O'Brien	6948	1245	4387	29	1100	187	6339	1650				69
Osceol a	3336	581	2155	21	503	76	3105	760	2165	11	100	
Page	8026	1259	4805	85	1439	438	7020	1589	4807	81	240	303
Palo Alto	5054	939	3111	31	838	135	4815	1416	3097	30	152	120
Plymouth	9649	2053	5954	38	1358	246	9134	2669	5960	29	257	219
Pocahontas	4622	726	2892	19	844	141	4302	1130	2894	29	145	104
Polk	125740	29818	68060	1941	14332	11589	109694	30756	68016	1329	2346	7247
Pottawattamie	34624	7016	20244	531	4310	2523	30930	8030	20209	278	777	1636
Powesh i ek	7972	1860	4594	61	1121	336	7275	2222	4602	45	174	232
Ringgold	2600	350	1677	14	458	101	2301	446	1678	25	87	65
Sac	5764	895	3712	37	957	163	5299	1230	3717	32	186	134
Scott	61510	13477	36264	922	6143	4704	58061	16354	36363	696	1132	3516
Shelby	5865	1081	3737	25	867	155	5622	1570	3741	23	169	119
Sioux	12038	3050	7340	35	1430	183	11076	3307	7344	27	272	126
Story	29086	10865	14291	191	2495	1244	30964	15197	14338	149	406	874
Tama	7783	1275	4917	57	1263	271	7248	1828	4921	45	236	218
Taylor	3521	472	2260	31	647	111	3123	650	2260	17	99	97
Union	5770	1002	3406	60	973	329	5016	1174	3416	45	159	
Van Buren	3444	507	2231	22	567	117	3217	738	2237	13	112	117
Wapello	16869	2815	10080	168	2662	1144	14848	3341	10094	137	536	740
Warren	13260	2531	8549			688	12277	2947	8536	107	238	449
Washington	8178	1573	4982	66		347	7319	1874	4975	59	197	214
Wayne	3481	446	2234	19			3133	618	2239	25	141	110
Webster	19104	4163	10880				16754	4548	10846	124	465	771
Vinnebago	5293	1006	3216				4964	1439	3214	38	140	133
Vinneshiek	8814	2622	4823	32			8357	3104	4834	31	191	197
Woodbury			23141	610			35859	9559		368	995	1817
Worth	41190	8991		_			3444	897				
Wright	3700 6751	596 1092	2379 4230				6119	1435		38		
State of Iowa		250227		11506	154715	65726	1076367	301518	691714	8516	27509	47110

Table 3. Marital Status for Females and Males in Iowa Counties, 1970.

			F	emal es						Males		
County	Total 14+	Single	Now Married	Separated	Widowed	Divorced	Total	Single	Now Married	Separated	Widowed	Divorced
· · · · · · · · · · · · · · · · · · ·		572	2524		542	61	3539	845	2512	10		
Adair Adams	3713 2529	427	2521 1662	<i>17</i> 11	378	51	2350	564	1653	5	130 87	42
Allamakee	5566	1268	3326	30	853	89	5295	1658	3323	18	226	41
Appanoose	6138	1060	3718	43	1137	180	5543	1458	3685	27	250	70
Audubon	3680	694	2414	14	497	61	3452	892	2409	6	104	123
Benton	8590	1557	5576	48	1230	179	7975	1955	5551	34	278	41
Black Hawk	51478	13604	29981	483	5531	1879	44989	12746	29704	299	1167	157
Boone	10760	2240	6474	63	1684	299	9510	2536	6420	44	346	1073
Bremer	8731	2092	5445	27	1071	96	8037	2302	5414	28	215	164
Buchanan	7764	1668	4915	51	966	164	7397	2045	4908	37	266	78
Buena Vista	8107	1665	5011	31	1227	173	7403	2030	4986	21	275	141
Butler	6497	1247	4295	26	855	74	6117	1547	4279	11	222	91 58
Calhoun	5739	1081	3591	31	926	110	5089	1228	3552	16	232	30 61
Carroll	8460	2143	4959	29	1225	104	7479	2206	4911	12	283	67
Cass	6801	1152	4350	36	1100	163	6043	1339	4317	30	248	109
Cedar	6666	1233	4371	25	887	150	6336	1644	4356	28	199	109
Cerro Gordo	19801	4501	11681	137	2790	692	17207	4653	11576	82	521	375
Cherokee	6623	1344	4109	31	971	168	6059	1661	4061	28	212	97
Chickasaw	5358	1094	3424	14	768	58	5144	1485	3424	14	171	50
Clarke	3098	466	2012	11	535	74	2773	601	1995	4	110	63
Clay	7349	1608	4530	42	955	214	6440	1594	4512	28	204	102
Clayton	7668	1486	4883	26	1140	133	7383	2061	4877	39	291	115
Clinton	21415	4542	13418	123	2662	670	19571	4976	13352	89	664	490
Crawford	6885	1351	4509	30	880	115	6685	1872	4489	25	221	78
Dallas	10000	1699	6527	72	1417	285	9054	1985	6496	45	331	197
Davis	3270	540	2156	11	489	74	3018	688	2141	9	117	63
Decatur	4069	1042	2294	17	629	87	3744	1205	2278	22	168	71
Delaware	6480	1431	4096	22	850	81	6298	1878	4074	22	243	81
Des Moines	18631	3806	11290	198	2527	810	16167	3824	11207	114	577	445
Dickinson	4923	816	3259	22	696	130	4660	1162	3254	14	160	70
Dubuque	32739	9985	18047	212	3869	626	29260	9857	17947	155	844	457
Emmet	5370	1181	3273	28	771	117	4953	1446	3247	19	170	71
Fayette	10207	2254	6240	41	1488	184	9577	2813	6211	48	372	133
Floyd	7652	1423	4868	42	1144	175	6979	1741	4832	33	254	119
Franklin	5220	889	3503	15	728	85	4896	1160	3488	14	178	56
Fremont	3715	628	2386	19	599	83	3401	784	2381	22	155	59
Greene	5081	883	3215	22	836	125	4512	1051	3197	21	163	80
Grundy	5528	1045	3631	11	762	79	5003	1178	3617	10	149	49
Guthrie	4884	797	3139	21	832	95	4456	1042	3116	23	180	95
Hamilton	7148	1351	4579	47	984	187	6574	1665	4544	30	219	116
Hancock	5050	955	3296	11	726	62	4762	1260	3273	17	155	57
Mardin	8791	1759	5367	45	1436	184	8264	2480	5322	39	290	133
Harrison	6302	1149	3996	47	983	127	5803	1474	3967	30	230	102
Henry	7133	1455	4439	48	991	200	6673	1849	4405	33	230	156
Howard	4339	895	2653	17	703	71	4061	1187	2640	6	230 175	53
Humbol dt	4754	917	3083	21	663	70	4435	1181	3050	13	140	51
da	3584	654	2348	6	530	46	3295	810	2332	9	112	32
OMB	5864	1083	3819	14	854	94	5478	1426	3803	8	180	61
lackson	7407	1531	4674	42	1015	145	7138	2061	3603 4651	23	291	112
Jasper	13582	2350	9024	91	1780	337	12456	2787	9001	23 72	363	233

Table 3. Marital Status for Females and Males in Iowa Counties, 1970 (continued).

			F	emales						Males		
	Total	Single	Now Married	Separated	Widowed	Divorced	Total 14+	Simple	Now Married	Separated	Widowed	Divorced
County	147	311916			widowed	UTVOICEG		Single	Married	Separated	widowed	DIVOICE
jefferson	6079	1221	3812	37	842	167	6032	1893	3788	27	189	135
Johnson	28418	10229	15084	159	2184	762	26937	10805	15054	133	405	540
jones	7142	1369	4549	44	1022	158	7388	2246	4677	62	238	165
keokuk	5470	979	3510	24	874	83	5057	1275	3494	17	185	84
Kossuth	8446	1906	5301	30	1109	100	7913	2303	5283	27	229	7
Lee	16672	3365	9990	224	2447	646	15393	3980	10157	178	515	563
Lim	61580	13989	37987	509	6602	2493	54682	13624	37742	351	1334	1631
Louisa	4041	753	2635	32	539	82	3808	913	2624	21	165	8
Lucas	4154	679	2573	30	758	114	3653	838	2553	19	169	74
Lyon	4863	1039	3172	9	596	47	4607	1276	3157	7	143	24
tadison	4576	722	3010	20	718	106	4184	944	2989	14	174	63
lahaska	8994	1761	5596	51	1322	264	8203	2122	5553	46	305	177
Marion	10020	2150	6214	47	1381	228	10066	2940	6357	64	368	337
Karshall	15671	3006	9984	102	2040	539	14545	3576	9944	101	478	446
Mills	4476	949	2808	32	582	105	4258	1218	2784	31	140	85
Mitchell	4946	1046	3010	17	795	78	4503	1261	3008	7	171	56
Nonona	4759	821	3013	24	809	92	4428	1121	2996	26	199	86
Monroe	3750	705	2266	25	669	85	3404	919	2239	11	164	71
Nontgomery	5307	932	3259	29	929	158	4594	1033	3245	25	191	100
fuscatine	13945	2552	8863	127	1911	492	12895	3129	8849	90	470	357
O'Brien	6809	1383	4269	32	1036	89	6138	1586	4246	7	230	69
Osceol a	3229	677	2094	9	415	34	3080	843	2086	6	120	25
Page	7778	1367	4 69 8	68	1371	274	6925	1730	4712	33	271	175
Paio Alto	5012	1148	3087	26	685	66	4707	1401	3063	13	168	62
Plymouth	9068	2355	5413	38	1122	140	8582	2816	5374	30	272	90
Pocahontas	4788	947	3063	15	700	63	4542	1268	3033	16	168	57
Polk	112747	25231	66336	1371	13494	6315	97216	24439	65927	932	2565	3353
Pottawattamie	32508	6744	20178	372	3952	1262	29136	7257	19978	252	857	792
Poweshiek	7404	1757	4428	28	1027	164	6791	2040	4385	29	225	112
Ringgold	2608	380	1741	9	424	54	2407	516	1727	12	116	36
Sac	6077	1189	3864	25	908	91	5577	1447	3827	12	219	72
Scott	52354	11196	32631	639	5703	2185	48258	12627	32524	380	1275	1452
Shelby	5619	1160	3590	17	782	70	5346	1505	3582	15	193	51
Sioux	10590	2947	6316	31	1213	83	9561	2962	6273	21	268	37
Story	23464	7294	13407	99	2214	450	25913	11844	13330	75	387	277
Tame	7685	1446	4937	48	1102	152	7305	1973	4903	29	282	118
Taylor	3672	564	2371	19	652	66	3290	<i>7</i> 37	2350	10	127	64
Union	5474	962	3397	40	905	170	4785	1099	3369	14	191	117
/an Buren	3362	510	2230	24	531	67	3212	745	2217	28	146	76
iapello	17225	3327	10454	145	2654	645	14770	3396	10341	88	547	39
larren	9828	1951	6623	44	1009	201	9392	2391	6581	31	251	138
lashington	7402	1499	4633	31	1078	161	6566	1627	4594	21	236	8
layne	3495	498	2322	15	596	64	3233	713	2323	9	132	56
lebster	18692	4195	11052	180	2594	671	16557	4528	10980	110	538	40
linnebago	5121	1164	3083	21	783	70	4859	1549	3064	15	159	77
linneshi ek	8202	2525	4541	29	999	108	7876	2991	4531	8	232	114
loodbury	40753	9784	23325	480	5548	1616	35296	9692	23117	255	1209	102
lorth	3493	647	2271	14	497	64	3347	899	2254	13	138	4
lright	6730	1219	4337	30	1021	123	6285	1611	4320	30	236	8
State of Iowa	1095477	238852	663704	7992	142256	32833	990235	271540	660244	5537	31358	21556

Table 4. Marital Status for Females and Males in Iowa Counties, 1960.

			F	emales						Males		_
County	Total 14+	Single	Now Married	Separated	Widowed	Divorced	Total 14+	Single	Now Married	Separated	Widowed	Divorce
Adair	4045	594	2914	11	481	45	3954	855	2894	17		
Adams	2750	449	1930	8	332	31	2688	585	1917	7	145	43
Allamakee	5468	1104	3568	26	705	65	5457	1617	3550	12	134 228	49
Appanoose	6436	1040	4065	50	1140	141	5828	1306	4043	33	320	50
Audubon	3867	625	2724	9	467	42	3721	833	2720	6	131	126
Benton	8293	1358	5776	30	1021	108	8045	1799	5769	27	312	31
Black Hawk	43168	8285	28809	358	4456	1260	39440	8412	28744	226	1224	138 834
Boone	10714	2296	6608	53	1534	223	9786	2651	6592	37	388	
Bremer	7659	1652	5024	20	902	61	7440	2050	5042	15	277	118 56
Buchanan	7673	1575	5038	33	885	142	7544	2089	4954	30	323	148
Buena Vista	7692	1381	5202	8	1002	99	7259	1688	5189	13	286	83
Butler	6278	1055	4374	18	781	50	6105	1449	4356	11	236	53
Calhoun	5822	954	3961	31	802	74	5458	1208	3932	18	244	56
Carroll	8135	1861	5168	23	1001	82	7468	1959	5127	14	323	45
Cass	6767	1057	4564	32	982	132	6323	1356	4568	23	287	89
Cedar	6279	962	4425	20	781	91	6223	1471	4406	17	237	92
Cerro Gordo	18328	3376	12027	129	2328	468	16588	3587	11950	79	669	303
Cherokee	6765	1242	4415	40	879	189	6361	1662	4294	28	263	114
Chickasaw	5204	1021	3503	10	631	39	5143	1378	3499	8	214	44
Clarke	3193	470	2168	10	486	59	2947	589	2157	11	144	46
Clay	6595	1104	4576	49	723	143	6165	1247	4576	28	227	87
Clayton	7777	1367	5247	18	1033	112	7735	2053	5229	12	352	89
Clinton	19678	3687	12986	100	2441	464	18851	4441	12994	70	767	579
Crawford	6570	1186	4456	21	842	65	6457	1702	4443	21	242	40
Dailes	8990	1316	6184	42	1274	174	22	1631	6162	37	320	1X
Davis	3406	546	2379		423	4	302	715	2345	養養	162	L)
Decatur	4062	858	2551	21	575	57	3989	1161	2552	話	186	74
Delaware	6115	1149	4178	****	713	58	& 14	1707	4154	#sure	267	73
Des Moines	16917	3109	10982	150	2174	502	14939	3038	10916	***	356	諺
Dickinson	4501	633	3218	22	540	88	4417	952	3215	20	172	瑟
Door	28246	8010	16276	207	3335	401	25930	8301	16243	134	974	770
Exmet	5175	877	3545	括	669	68	4895	****	3534	10	175	从
Fayette	10152	1865	6824	33	1258	167	9697	24%		4.5	425	134
f (cyd	7611	1235	5183	26	1022	145	7311	1705	5171	27	293	戆
Fr an kl in	5672	922	3979	13	695	Ø	347	1213	3971	**	200	¥
Frencht	3838	578	2674	23	501	62	3718	807	2549	15	194	装
Greene	5339	834	3627	31	755	92	4948	1651	3598	24	218	7
Grundy	5189	915	3645	8	580	4	4931	1090	3637	孕	159	36
Outhrie	50%	776	¥34	19	763	4	43%	100	344	24	212	*
tenilton	7241	1233	4942	39	800	137	6887	1564	4941	A	261	95
Hercock	5035	896	M	**	544	52	SOLI	1289	3548	****	173	Q
Hardin	8360	1306	5486	29	1213	126	8042	1916	3671	29	327	15
Karr (son	6330	1028	4312	26	878	86	60E2	1398	4305	30	265	*
Kerry	7105	1485	4391	51	999	177	6594	1838	4254		322	
Howard	4501	876	2951	義	598	SZ.	466	1267	2839		185	Ŋ
k.mbc/cit	4583	763	1213	21	538	48	45%	1070		15	177	47
de	3691	558	2625	12	60	33	3589	762	2627	7	**	¥
	5838		1015	9	722	75	XX	1307		15	建镁	9. 10
Jackson	7114	1295	4805	3	84	115	719	1916	W 222	26	277	
Jasper	12786	2032	9036	S.	100	24	12135	2446	9.24	45	430	170

Table 4. Marital Status for Females and Males in Iowa Counties, 1960 (continued).

_			F	emales						Males		
county	Total 14+	Single	Now Married	Separated	Widowed	Divorced	Total	Single	Now Married	Separated	Widowed	Divorced
Jefferson	5879	1070	3887	20	789	113	5797	1597	3871	19	220	90
johnson	19645	5881	11437	93	1849	385	19682	7145	11667	62	489	319
iones	6868	1187	4655	21	900	105	7592	2214	4874	32	294	178
(eokuk	5741	954	3855	18	848	66	5408	1256	3844	20	227	61
cossuth	8491	1643	5844	16	902	86	8472	2278	5820	17	290	67
,ee	16039	3063	10124	169	2232	451	15570	3585	10640	131	588	626
inn	49911	9237	33160	274	5612	1628	45540	9568	33105	219	1532	1116
ouisa	3686	579	2582	19	452	54	3656	835	2575	17	150	75
ucas	4285	678	2819	25	690	73	3985	864	2804	28	236	53
	4884	910	3396	6	533	39	4869	1282	3381	11	176	19
.yon tadison	4591	702	3159	16	639	75	4387	943	3141	19	214	70
iahaska	8981	1526	5958	46	1237	214	8284	1816	5935	36	344	153
larion	9107	1615	6115	37	1195	145	10023	2886	6332	68	407	330
	14014	2254	9440	86	1857	377	13131	2753	9421	79	557	321
Marshall	4726	1235	2865	26	516	84	4757	1629	2862	20	179	67
Hills	4879	909	3287	17	617	49	4712	1218	3271	10	166	47
Mitchell	5015	828	3458	19	624	86	4939	1132	3464	17	230	96
Monona	3830	650	2532	22	564	62	3795	985	2539	24	183	64
Monroe		844	3738	27	835	120	5050	982	3727	25	241	7
Montgomery	5564		8337	98	1722	372	11622	2437	8316	67		290
luscatine	12450	1921	4670	18	864	68	6302	1367	4647	10		48
O'Brien	6770	1150		8		30	3397	818	2433		122	20
Osceol a	3420	599	2439			257	7569	1714	5250			184
Page	8404	1458	5361	92		49	4895	1304	3368			4
Palo Alto	5034	988	3367	22 25	973	93	8017	2260	5372			7.
Plymouth	8267	1791	5385				4873	1250	3405	17		39
Pocahontas	4964	880	3410			4253	87222	17431	63741			239
Polk	100314	19052	63871	1054		841	27065	5526	19751			
Pottawattamie	29210	4841	19880				6656	1778	4520			
Po ue sh i e k	7182	1550	4552				2849	595	2092			
Ringgold	2976	419	2106				5876	1372	4195			
Sac	6016	983	4189					9207	28019			
Scott	42610	7832	28034				39848	1377	3644			
Shelby	5390	1040					5309	2265	6031			
Sioux	8961	1865	6066				8667	7181	11151			
Story	17340	4007					19021					
Tam <u>a</u>	7659	1219	5253				7595	1867				
Taylor	3984	602	2745				3760	792				
Union	5315	803	3496	, 31			4815	1027				
Van Buren	3669	532	2501	. 16			3617	845				
Wapello	17350	2942	11520	124			15569	3030				
Warren	7289	1258	5103	16			7104	1703				
Wash ington	7128	1313		20			6569	1502				
Wayne	3893	531		17				691				
Webster	17274	3161		118			15671	3484				
Vinnebago	4713	970		, 8				1357				
Wirneshiek	7560	1886					7703	2577				
Woodbury	39414	7761			5037		35779	8209				
Worth	3593	638			3 431			1061				
Vright	6916	1074			873	89	6642	1511	4816	5 2	0 22	5 (
	999250	186617	660002	592	124122	22586	941937	225414	659136	5 442	9 3602	7 169

Table 5. Marital Status for Females and Males in lowa Counties, 1950.

County Adair Adams Allamakee Appanoose Audubon Benton Black Hawk Boone Bremer Buchanan Buena Vista Butler Calhoun Carroll Cass Cedar Cerro Gordo Cherokee Chickasaw Clarke Clay Clayton Ctinton Crawford	Total 14+							
Adair Adams Allamakee Appanoose Audubon Benton Black Hawk Boone Bremer Buchanan Buena Vista Butler Calhoun Carroll Cass Cedar Cerro Gordo Cherokee Chickasaw Clarke Clay Clayton Clinton	14+	0:1-	NOW	Widowed or	Total 14+	c:!-	Now Married	Widowed or
Adams Allamakee Appanoose Audubon Benton Black Hawk Boone Bremer Buchanan Buena Vista Butler Calhoun Carroll Cass Cedar Cerro Gordo Cherokee Chickasaw Clarke Clay Clayton Clinton		Single	Married	Divorced		Single	married	Divorced
Allamakee Appanoose Audubon Benton Black Hawk Boone Bremer Buchanan Buena Vista Butler Calhoun Carroll Cass Cedar Cerro Gordo Cherokee Chickasaw Clarke Clay Clayton Ctinton	4471	700	3240	531	4638	1161	3243	234
Appanoose Audubon Benton Black Hawk Boone Bremer Buchanan Buena Vista Butler Calhoun Carroll Cass Cedar Cerro Gordo Cherokee Chickasaw Clarke Clayton Ctinton	3198	486	2314	398	3206	708	2311	187
Audubon Benton Black Hawk Boone Bremer Buchanan Buena Vista Butler Calhoun Carroll Cass Cedar Cerro Gordo Cherokee Chickasaw Clarke Clay Clayton Ctinton	5716	1219	3794	703	6072	1944	3793	335
Benton Black Hawk Boone Bremer Buchanan Buena Vista Butler Calhoun Carroll Cass Cedar Cerro Gordo Cherokee Chickasaw Clarke Clay Clayton Ctinton	7628	1302	5106	1220	7272	1629	5080	563
Black Hawk Boone Bremer Buchanan Buena Vista Butler Calhoun Carroll Cass Cedar Cerro Gordo Cherokee Chickasaw Clarke Clay Clayton Ctinton	4134	697	2997	440	4324	1143	2992	189
Boone Bremer Buchanan Buena Vista Butler Calhoun Carroll Cass Cedar Cerro Gordo Cherokee Chickasaw Clarke Clay Clayton Clinton	8190	1361	5802	1027	8434	2104	5863	467
Bremer Buchanan Buena Vista Butler Calhoun Carroll Cass Cedar Cerro Gordo Cherokee Chickasaw Clarke Clayton Ctinton	38360	7811	25740	4809	36180	8182	25614	2384
Buchanan Buena Vista Butler Calhoun Carroll Cass Cedar Cerro Gordo Cherokee Chickasaw Clarke Clay Clayton Clinton	10953	2177	7233	1543	10622	2828	7155	639
Buena Vista Butler Calhoun Carroll Cass Cedar Cerro Gordo Cherokee Chickasaw Clarke Clay Clayton Clinton	6986	1426	4708	852	7009	1917	4712	380
Butler Calhoun Carroll Cass Cedar Cerro Gordo Cherokee Chickasaw Clarke Clay Clayton Clinton	7894	1681	5206	1007	7978	2404	5073	501
Calhoun Carroll Cass Cedar Cerro Gordo Cherokee Chickasaw Clarke Clay Clayton Clinton	7855	1475	5510	870	8092	2170	5515	407
Carroll Cass Cedar Cerro Gordo Cherokee Chickasaw Clarke Clay Clayton Clinton	6335	1134	4481	720	6429	1617	4468	344
Cass Cedar Cerro Gordo Cherokee Chickasaw Clarke Clay Clayton Clinton	6255	1100	4333	822	6186	1521	4328	337
Cedar Cerro Gordo Cherokee Chickasaw Clarke Clay Clayton Clinton	8351	2152	5278	921	8126	2439	5273	414
Cerro Gordo Cherokee Chickasaw Clarke Clay Clayton Clinton	7038	1245	4826	967	6870	1566	4834	470
Cherokee Chickasaw Clarke Clay Clayton Clinton	6226	1013	4403	810	6418	1618	4406	394
Chickasaw Clarke Clay Clayton Clinton	17677	3464	11786	2427	16832	3912	11847	1073
Clarke Clay Clayton Clinton	7151	1496	4701	954	7249	2231	4585	433
Clay Clayton Clinton	5361	1095	3657	609	5576	1613	367 5	288
Clayton Clinton	3587	567	2494	526	3497	774	2493	230
Clinton	6697	1172	4738	787	6632	1514	4775	343
	8101	1529	5487	1085	8519	2447	5562	510
Crawford	18750	3837	12285	2628	18314	4476	12399	1439
	6955	1340	4837	778	7390	2123	4898	369
Dallas	9009	1426	6371	1212	8777	1876	6360	541
Davis	3698	563	2692	443	3738	834	2668	236
Decatur	4706	895	3126	685	4743	1296	3119	328
Delaware	6169	1236	4214	719	6423	1822	4254	347
Des Moin e s	16728	3369	10889	2470	15280	3223	10983	1074
Dickinson	4642	778	3324	540	4749	1124	3357	268
Dubuque	27251	8293	15441	3517	25709	8736	15490	1483
Emmet	5043	946	3551	546	5116	1286	3568	262
Fayette	10312	2007	6956	1349	10515	2834	7059	622
Floyd	7852	1376	5496	980	7875	1862	5509	504
Franklin	5934	981	4261	692	5980	1463	4219	298
Fremont	4497	713	3175	609	4612	1054	3211	347
Greene	5772	974	4074	724	5752	1342	4077	333
Grundy	5077	892	3625	560	5063	1199	3634	230
Guthrie	5630	930	3924	776	5614	1284	3978	352
Hamilton	7217	1312	5009	896	7300	1900	5010	390
Hancock	5214	970	3712	532	5528	1557	3732	239
Hardin	8404	1412	5838	1154	8499	2097	5898	504
Harrison	7098	1251	4849	998	7130	1851	4862	417
Henry	7347	1491	4701	1155	7179	1975	4674	530
Howard	4697	965	3141	591	4836	1468	3117	251
Humboldt	4626	802	3278	546	4863	1270	3304	289
Ida	3886	681	2796	409	4127	1085	2821	209
lowa	5777	1075	3964	738				
Jackson	6519	1331	4305	736 883	5934 7101	1594	4005 4513	335
Jasper	7: س	1,131	4303	య	7101	2109	4512	480

Table 5. Marital Status for Females and Males in Iowa Counties, 1950 (continued).

Defersion Golf 1046 4108 858 5923 1439 4120 364 364 365				Females				Males	
Jerferson 6012 1046 4108 858 5923 1439 4120 364 Johnson 17238 4943 10308 1967 18859 7632 10441 788 Jones 6633 1210 4522 901 7678 2415 4767 498 Keokuk 6377 1083 4371 923 6222 1480 4397 3455 Kossuth 8933 1834 6144 955 9446 2817 6183 446 Lee 16420 3244 10506 2670 16104 3766 11125 1213 Linn 41382 7837 27294 6251 38218 8101 27564 2751 Louisa 3970 660 2797 513 4170 1007 2856 307 Lucas 4682 819 3129 734 4600 1075 3184 341 Lyon 5073 1117 3439 517 5280 1597 3436 241 Lyon 5073 1117 3439 517 5280 1597 3436 241 Lyon 6073 1117 3439 517 5280 1597 3436 247 Madison 4836 730 3436 670 4865 11333 3434 298 Marshalt 13635 2310 9263 2002 13114 2816 9330 968 Mitthelt 4999 983 3422 584 5150 1405 3446 298 Montona 5774 1034 4053 687 5999 1578 4050 371 Montgomery 6061 1067 4128 866 5785 1320 4117 348 Montona 5774 1034 4053 687 5999 1578 4050 371 Montgomery 6061 1067 4128 866 5785 1320 4117 348 Montona 5576 1030 4811 828 6956 1776 4838 342 O'Brien 6940 1301 4811 828 6956 1776 4838 342 O'Brien 6940 1301 4811 828 6956 1776 4838 342 O'Brien 6940 1301 4811 828 6956 1776 4838 342 O'Brien 6940 1301 4811 828 6956 1776 4838 342 O'Brien 6940 1301 4811 828 6956 1776 4838 342 O'Brien 6940 1301 4811 828 6956 1776 4838 342 O'Brien 6940 1301 4811 828 6956 1776 4838 342 O'Brien 6940 1301 4811 828 6956 1776 4838 342 O'Brien 6940 1301 4811 828 6956 1776 4838 342 O'Brien 6940 1301 4811 828 6956 1776 4838 342 O'Brien 6940 1301 4811 828 6956 1776 4838 342 O'Brien 6940 1301 4811 828 6956 1776 5834 5904 Polymouth 8145 1748 5513 884 8750 2781 5552 417 Pocabontas 5364 699 17637 3842 2330 5904 1464 3340 5904 1470 799 6447 1661 4443 340 5804 5904 5904 5904 5904 5908 25005 2005 Shelty 5665 1168 3808 629 5786 1708 3811 266 677 381 5502 2005 Shelty 5665 1168 3808 629 5786 1708 3811 266 677 381 5502 2005 Shelty 5665 1168 3808 629 5786 1708 3811 266 677 381 5502 2005 Shelty 5665 1168 3808 629 5786 1708 3811 266 677 381 5804 5809 2809 2809 2809 2809 2809 2809 2809 2	County		Single				C:I-		Widowed or
Johnson 17238 4943 10308 1987 18859 7632 10441 788 Johnson 17238 4943 10308 1987 18859 7632 10441 788 Johnson 6633 1210 4522 901 7678 2415 4767 498 Keckuk 6377 1083 4371 923 6222 1488 4397 3495 Keckuk 6377 1083 4371 923 6222 1488 4397 3495 Kossuth 8933 1834 6144 955 9446 2817 6183 446 Lee 6420 3244 10506 2670 16104 3766 11125 1213 1211 1010 141382 7837 27294 6251 38218 8101 27364 2753 10413 3970 660 2797 513 4470 1007 2856 307 10413 3970 660 2797 513 4470 1007 2856 307 10413 3970 5073 1117 3439 517 5280 1597 3184 344 1140 1007 2856 307 10413 3970 460 2797 4640 1075 3184 344 1140 1007 2856 307 10413 3970 460 1770 1770 4836 770 4865 1133 3434 298 10413 1			Jiligite			141	- Single	Married	
Jones 6633 1210 4522 901 7678 2415 4767 496 Keokuk 6377 1083 4371 923 6222 1480 4397 345 Keokuk 6377 1083 4371 923 6222 1480 4397 345 Keokuk 6377 1083 4371 923 6222 1480 4397 345 Keokuk 6373 1834 6144 955 9446 2817 6183 442 Lee 16420 3244 10596 2570 16104 3766 11125 1213 Linn 41382 7837 27294 6251 36218 8101 27364 2753 Louisa 3970 660 2797 513 4170 1007 2856 307 Lucas 4682 819 3129 734 4600 1075 3184 341 Lyon 5073 1117 3439 517 5280 1597 3136 3410 1075 3184 341 Lyon 5073 1117 3439 517 5280 1597 3136 247 Madrison 4836 730 3436 670 4865 1133 3434 247 Marison 9144 1712 6234 1198 10001 3182 6622 773 Marshall 13635 2310 9263 2062 13114 2816 9330 968 Hitls 5222 1152 3373 697 5204 1518 3331 355 Hitchell 4999 983 3422 584 5150 1405 3446 207 Monona 5774 1034 4053 687 5999 1578 4050 377 Monora 4306 775 2922 639 4484 1231 2914 333 Montagenry 6061 1067 4128 866 5785 1320 4117 348 Macacine 12232 2000 8258 1974 11801 2589 8269 943 078 File 6040 1301 4811 828 6956 1776 4838 344 268 269 943 078 File 6040 1301 4811 828 6956 1776 4838 344 268 269 943 078 File 6040 1301 4811 828 6956 1776 4838 344 268 269 943 078 File 6040 1301 4811 828 6956 1776 4838 344 268 269 943 078 File 6040 1301 4811 828 6956 1776 4838 344 268 269 943 078 File 6040 1301 4811 828 6956 1776 4838 344 268 269 943 078 File 6040 1301 4811 828 6956 1776 4838 344 268 269 943 078 File 6040 1301 4811 828 6956 1776 4838 344 268 269 943 078 File 6040 1301 4811 828 6956 1776 4838 344 268 269 943 078 169 169 169 169 169 169 169 169 169 169	Jefferson	6012	1046	4108	858	5923	1439	4120	364
Keokuk 6377 1083 4371 923 6222 1480 4397 345 Kossuth 8933 1834 6144 955 9446 2817 6183 446 Linn 41382 7837 27294 6251 38218 8101 27364 2753 Louisa 3970 660 2797 513 4170 1007 2856 300 Lyon 5073 1117 3439 517 5280 1597 3436 247 Medison 4836 730 3436 670 4865 1133 3434 298 Marion 9144 1712 6234 1198 10601 3182 6626 793 Marshall 13635 2310 9263 2062 1311 2816 9330 968 Hitchell 4989 983 3422 584 5150 1405 3446 299 Monnona 5774 1034	Johnson		4943			18859	7632	10441	786
Kossuth 8933 1834 6144 955 9446 2817 6183 446 Lee 16420 3244 10506 2670 16104 3766 11125 1213 1211 1211 1211 1211 1211 121	Jones							4767	496
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Divorced

The percentage divorced has picked up some of the decline that occurred among the percentage married over the decades. In 1960, 2.3% of the females were divorced; this increased to 3.0% in 1970, 5.6% in 1980, and 8.0% in 1990. Similar increases occurred among males (1960, 1.8%; 1970, 2.2%; 1980, 4.4%; 1990, 6.6%), but the percentages for men always were lower than those for women.

Among women, the percentage divorced was lowest in Lyon (2.9%) and Sioux (2.6%); these same two northwestern lowa counties were lowest (Lyon 2.4%; Sioux, 2.2%) on the percentage of males who were divorced as of 1990. At the other extreme, five counties (Des Moines, 10.7%; Jefferson, 10.4%; Polk, 11.6%; Pottawattamie, 10.3%; Scott, 10.2%) had at least 10% of their females in the divorced category; all but one of these counties were repeated when those whose percentages of divorced males were at least 8% (Des Moines, 8.8%; Jones, 8.1%; Lee 8.8%; Louisa, 8.1%; Marshall, 8.2%; Muscatine, 8.2%; Polk, 8.8%; Pottawattamie, 8.1%, Scott, 8.2%).

In the State of Iowa and 90 counties, more females were divorced than were males when the census was taken in 1990. In nine counties, however, this was reversed; Adams, Butler, Chickasaw, Clayton, Henry, Jones, Louisa, Marion, and Van Buren had more divorced males than females.

Widowed

Far greater percentages of women were widowed than were men in 1990. This has occurred in the last several censuses, of course. The percentage of males who were widowed decreased or remained the same between 1960 (3.8%), 1970 (3.2%), 1980 (2.6%), and 1990 (2.6%), although the percentage of widowed females increased (1960, 12.4%; 1970, 13.1%; 1980, 13.2%; 1990, 13.6%).

Fourteen counties had percentages of widows that were at least five points above the state figure in 1990. The highest percentages were noted in Calhoun (20.7%) and Monona (21.1%). Once again, Johnson (6.5%) and Story (8.5%) were substantially below other counties; four others were in the 10% range (Linn, 10.5%; Polk, 10.8%; Scott, 10.9%; Warren 10.3%). Generally, rural counties tended to have higher percentages of widows than did urban areas. Less than 2% of all males 15 years of age and older were widowers in three counties (Johnson, 1.1%; Story, 1.2%; Warren, 1.8%); seven had at least 4% widowers (Adams, 4.3%; Appanoose, 4.0%; Guthrie, 4.0%; Lucas, 4.1%; Monona, 4.4%; Taylor, 4.2%; Wayne, 4.5%). The ratio of widows to widowers varied from less than 5 to 1 in eight counties to at least 7 to 1 in three others.

Note: These data are from the decennial censuses for lowa as reported by the U.S. Bureau of the Census. The figures for 1990 are from a census bureau computer tape (Summary Tape File 1A). Publications released later may report slightly revised numbers for 1990; the bureau changes errors made on earlier tapes or publications whenever they are discovered.

Family Type and Presence of Related Children

in Iowa's Counties: 1970-1990

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

The U.S. Bureau of the Census reported that 740,819 families lived in lowa in 1990; that was a decrease of 29,464 (-3.8%) since 1980, when 770,283 families were counted (Table 1). The 1980 figure was 8.0% more than the 713,490 listed in 1970. A family consists of a householder and at least one other person living in the same household who is related to the householder by marriage, birth, or adoption.

Data are available for three types of families. A married-couple family includes at least a householder and spouse. In 1990, married-couple families accounted for 85.0% (629,893) of all families in lowa. Both the percentage and the number decreased from those for 1980. Although the number of married-couple families increased in the 1970s, such families decreased from 90.4% of all families in 1970 to 87.9% in 1980.

A second type includes families with female householders with no husband present. This type increased substantially in the last two decades. In 1970, Iowa had 52,025 families of female householders with no husband present; this increased by 40.4% to 1980, when 73,029 such families were noted. Gains continued in the 1980s, so that 85,141 were counted in 1990, an increase of 16.6% from the 1980 number. In 1990, 11.5% of all families were those of female householders with no husband present; this was an increase from 9.5% in 1980 and 7.3% in 1970.

Families with male householders with no wife present constitute the final type. This family type has increased in number and percentage over the last two decades, although the numerical gain has been much less than that reported for families with female householders with no husband present. In 1970, 16,383 families had male householders with no wife present; 10 years later, 20,127 were noted and 25,785 were counted in 1990, which was a 28.1% increase from 1980. In 1970, 2.3% of all families had male householders with no wife present; this increased to 2.6% in 1980 and to 3.5% in 1990.

Families by County

Increases occurred in the number of families in 12 counties from 1980 to 1990. Two (Johnson, +2,380; Polk, +6,373) had gains of at least 1,000. Declines in the remaining 87 counties ranged from less than 20 to more than 3,000. Five counties dropped by more than 1,000 families (Black Hawk, -3,172; Clinton, -1,231; Scott, -1,320; Wapello, -1,140; Webster, -1,263). Only one county (Johnson, +13.3%) had a percentage increase above 10, although 37 had decreases of 10% or greater.

Many more counties had increases in the number of families in the 1970s than in the 1980s. Gains occurred in 88 counties between 1970 and 1980; 15 had at least 1,000 more families in 1980 than in 1970, led by Polk (+6,735) and Scott (+6,107), the only counties with gains of at least 5,000 families. Dickinson (+30.2%) and Warren (+35.3%) reported increases of at least 30%. Of the 11 counties with declines in the number of families in the 1970s, three (Audubon, Pocahontas, Sac) decreased by more than 100. Percentage losses of at least 5% occurred in only two counties (Adams, -5.0%; Audubon, -6.0%) during the 1970s.

Married-Couple Families by County

In 1970, married-couple families accounted for over 90% of all families in 81 counties. By 1980, however, only 51 counties remained above that level, while three (Polk, Pottawattamie, Woodbury) slipped below 85%. In 1990, just 15 counties had at least 90% of their families listed as married couples. Eighteen counties were below 85%, although none were under 80%.

Only three counties (Johnson, +1,648; Polk, +2,869; Warren, +283) had more married-couple families in 1990 than 10 years earlier. Declines in the number of married-couple families were greater than 1,000 in 10 counties; in 14 others, the decline was less than 200.

In the 1970s, 81 counties had gains in the number of married-couple families, with seven (Black Hawk, Dubuque, Linn, Polk, Scott, Sioux, Warren) noting increases of at least 1,000. Of the 18 counties with declines, six (Adams, Audubon, Keokuk, Pocahontas, Wapello, Webster) decreased by at least 100.

Families of Female Householders with No Husband Present by County

In 1990, 27 counties had at least 10% of their families in the type with female householders with no husband present. This was an increase from the 15 counties above this level in 1980; no counties had at least 10% of this type of family in 1970. Families with female householders increased in 77 counties in the 1980s, led by gains of more than 1,000 in Polk and Scott. Declines ranged from 2 to 47 in the other 22 counties.

Families with female householders with no husband present increased in all but one county (Howard, -19) in the 1970s. In five (Black Hawk, Linn, Polk, Pottawattamie, Scott), gains exceeded 1,000. Polk's (+3,698) Increase accounted for 17.6% of the total gain in this type of family.

Families of Male Householders with No Wife Present by County

The final family type, male householders with no wife present, increased in 80 counties between 1980 and 1990. These increases ranged from less than 10 in 12 counties to at least 100 in 15 others. Declines in the number of this family type occurred in 15 counties, although only Kossuth (-39) reported a decrease greater than 20.

Black Hawk, Linn, Polk, Scott, and Woodbury had at least 1,000 families of male householders with no wife present in 1990. Sixty-four other counties reported more than 100. In 1980, families of male householders with no wife present topped 1,000 in Linn, Polk, and Scott, although 36 had fewer than 100 of this type of family. From 1970 to 1980, families of male householders with no wife present decreased in 38 counties, although the decline never topped 40. Three other counties had no change in this number from 1970 to 1980; the remaining 58 had increases from less than 10 (9 counties) to more than 100 (8 counties).

Families and the Presence of Children

The census bureau also presents information on the presence of children by family type. In 1990, about half of lowa's families had children (365,103, 49.3%) and half didn't (375,715, 50.7%) (Table 2). That's a change from 1980, when 51.4% of all families had children (Table 3); in 1970, an even greater percentage (54.1%) of the families in lowa had at least one child under the age of 18 (Table 4).

Another method of indicating differences among the family types is to compare the percentages with children within each type. Among married-couple families, 46.5% had related children in 1990; this was a decrease from 50.6% in 1980 and 55.0% in 1970. The trend was in the opposite direction among families of female householders with no husband present; in 1970, 51.1% had children, and this increased to 63.1% in 1980 and 68.3% in 1990. The percentage with children also increased among families of male householders with no wife present; it was 26.3% in 1970, 38.3% in 1980, and 53.9% in 1990.

The traditional family sometimes is defined as a married couple with one or more children under the age of 18. If that definition were used in lowa, then 39.6% of all families would be included in 1990. That was a decline from the figures reported for 1980 (44.4%) and 1970 (49.8%).

Table 1. family Type in Iowa Counties, 1970-1990.

			1990				1980				1970	
County	Total	Married Couple	Female Householder	Male Householder	Total	Married Couple	Female Householder	Male Householder	Total	Married Couple	Female Householder	Male Householde
Adair	2408	2176	163	69	2716	2524	141	51	2637	2470	113	54
Adams	1388	1263	90	35	1676	1516	121	39	1765	1623	101	41
Allamakee	3719	3265	299	155	3933	3492	308	133	3634	3230	267	137
Appanoose	3828	3206	479	143	4376	3783	470	123	4068	3595	353	120
Audubon	2102	1927	131	44	2399	2204	133	62	2553	2371	132	50
Benton	6270	5502	583	185	6461	5856	455	150	5909	5444	331	134
Black Hawk	32143	26076	4902	1165	35315	30096	4253	966	32254	29054	2576	624
Boone	6952	6034	710	208	7118	6370	579	169	6908	6291	471	146
Bremer	6165	5590	416	159	6594	6068	375	151	5728	5327	283	118
Buchanan	5564	4813	554	197	5901	5283	492	126	5225	4 7 55	330	140
Buena Vista	5217	4675	405	137	5633	5166	348	119	5348	4908	319	121
Butler	4490	4034	324	132	4989	4592	279	118	4555	4205	248	102
Calhoun	3169	2845	238	86	3768	3412	271	85	3818	3488	229	101
Carroll	5626	4949	499	178	5768	5174	439	155	5366	4822	389	155
Cass	4206	3732	342	132	4735	4268	344	123	4625	4239	271	115
Cedar	4909	4321	411	177	5180	4645	392	143	4641	4270	254	117
Cerro Gordo	12661	10650	1611	400	13137	11476	1358	303	12634	11347	1052	235
Cherokee	3835	3386	332	117	4366	3956	305	105	4333	3967	281	85
Chickasaw	3657	3238	292	127	4060	3635	318	107	3686	3354	220	112
Clarke	2333	2032	227	74	2475	2243	185	47	2133	1951	120	62
Clay	4836	4234	477	125	5394	4838	429	127	4841	4442	323	76
Clayton	5209	4651	372	186	5701	5148	389	164	5251	4763	317	171
Clinton	14056	11691	1814	551	15287	13415	1459	413	14437	13025	1072	340
Crawford	4486	3909	395	182	5032	4530	354	148	4831	4406	281	144
Dallas	8297	7125	861	311	8172	7270	707	195	6950	6372	443	135
Davis	2319	2077	174	68	2534	2351	124	59	2251	2090	94	67
Decatur	2146	1898	178	70	2519	2255	207	57	2441	2234	149	58
Delaware	4851	4305	401	145	4831	4349	326	156	4364	3988	240	136
Des Moines	11734	9603	1676	455	12634	10891	1423	320	12308	10927	1116	265
Dickinson	4270			129	4502	4106	314	82	3459	3202	189	68
Dubuque	22150	18803	2609	738	22565	19587	2322	656	19839	17577	1669	593
Emmet	3113			97	3552	3199	268	85	3484	31 <i>7</i> 5	245	64
Fayette	5966		501	213	6788	6125	462	201	6692	6092	410	190

Table 1. Family Type in Iowa Counties, 1970-1990 (continued).

			1990				1980				1970	
County	Total	Married Couple	Female Householder	Male Householder	Total	Married Couple	Female Householder	Male Householder	Total	Married Couple	Female Householder	Male Householder
Floyd	4788	4202	448	138	5349	4825	409	115	5118	4708	311	99
Franklin	3207	2851	262	94	3721	3361	268	92	3718	3430	212	76
Fremont	2309	2023	210	76	2669	2399	205	65	2530	2316	144	70
Greene	2849	2520	252	77	3413	3084	260	69	3459	3141	236	82
Grundy	3510	3198	224	88	4042	3 <i>7</i> 25	234	83	3821	3564	177	80
Guthrie	3158	2791	266	101	3385	3064	234	87	3313	3 055	186	72
Hamilton	4614	4044	431	139	5001	4464	416	121	4931	4474	322	135
Hancock	3540	3151	271	118	3822	3479	235	108	3519	3226	194	99
Hardin	5280	4713	420	147	5944	5394	412	138	5736	5242	375	119
Harrison	4066	3550	385	131	4498	4025	3 67	106	4302	3876	317	109
Henry	5075	4398	494	183	5016	4469	425	122	4698	4302	302	94
Howard	2684	2379	197	108	296 8	2679	186	103	2912	2585	205	122
Humboldt	3101	2785	234	82	3542	3230	231	81	3268	3007	202	59
ida	2317	2121	140	56	2487	2293	128	66	2448	2294	98	56
lowa	4126	3663	342	121	4287	3867	299	121	4078	3757	210	111
Jackson	5479	4711	566	202	5845	5217	461	167	5031	4548	316	167
Jasper	10005	8786	897	322	10391	9401	778	212	9526	8811	545	170
Jefferson	4288	3683	466	139	4203	3 <i>7</i> 53	332	118	4056	3707	254	95
Johnson	20317	17158	2404	755	17937	15510	1890	537	16045	14661	1075	309
Jones	5081	4414	490	177	5337	4772	405	160	4899	4404	361	134
Keokuk	3307	2893	287	127	3 630	3301	227	102	3722	3414	203	105
Kossuth	5101	4597	369	135	5888	5309	405	174	5694	5187	341	166
Lee	10483	8641	1453	389	11410	9846	1266	298	10979	9667	1028	284
Linn	45039	37762	5536	1741	44438	38401	4790	1247	40884	36899	3180	805
Louisa	3194	2746	312	136	3325	2944	272	109	2813	2572	157	84
Lucas	2537	2213	247	77	2895	2575	257	63	2773	2491	203	79
Lyon	3284	3045	171	68	3476	3228	180	68	3373	3120	167	86
Madison	3492	3105	300	87	3508	3210	210	88	3175	2943	163	69
Mahaska	6018	5256	576	186	6367	5736	501	130	5936	5417	382	137
Marion	7879	6944	708	227	7794	7023	594	177	6606	6030	448	128
Marshall	10478	8906	1233	339	11239	9952	1048	239	10614	9701	712	201
Mills	3469	2945	416	108	3464	3107	279	78	2959	2713	178	68
Mitchell	3031	2753	199	79	3302	3005	202	95	3208	2913	189	106

Table 1. Family Type in lows Counties, 1970-1990 (continued).

			15%)				1980				1970	
County	Testal.	Married Comple	female Householder	Male Householder	Total	Married Couple	Female Householder	Male Householder	Total	Married Couple	Female Householder	Male Householder
	2819	24.35	571	113	3321	**************************************	257	95	3241	2936	199	106
Market Cele	2238	1905	242	91	2520	2235	210	75	2468	2188	193	87
Horst gamery	3342	2907	369	106	3847	3435	327	85	3528	3176	262	90
Muscatine	10891	9081	1361	449	10737	9356	1099	282	9511	8584	726	201
or Brien	4236	3869	277	90	4659	4312	272	75	4533	4166	255	112
Deceola	2012	1841	126	45	2317	2127	135	55	2208	2059	96	53
P###	4608	3975	490	143	5245	4678	454	113	4973	4491	377	105
Pelo Alto	2806	2523	213	70	3340	3047	223	70	3286	2998	202	86
ir t yancası kin	6257	5619	473	165	6445	5846	434	165	5809	5264	365	180
Pocahontas	2680	24.24	160	87	3147	2839	216	92	3277	2975	205	97
Polk	85847	465534	13237	***	79474	82866	10914	2202	72739	64118	7216	1405
Pottamattamie	22027	18392	3501	734	23372	19793	2942	637	21864	19452	1883	529
Powesh i ek	5036	4436	458	142	5052	4518	418	116	4707	4313	302	92
Ringgald	1562	1404	110	4.8	1798	1645	115	38	1826	1691	83	52
Sac	3454	30B7	265	102	3984	3669	226	89	4093	3747	222	124
Scott	40386	32352	64.0 2	1632	41706	35568	4807	1331	35599	31914	2942	743
Sheltny	3702	3347	269	86	4016	3674	244	98	3825	3515	207	103
STOLIN	7584	7057	371	156	7726	7231	367	128	6647	6194	334	119
Story	15884	13883	1404	507	15584	13965	1222	397	13981	13072	698	211
T married	4878	4236	444	1998	5360	4822	409	137	5271	4800	325	146
Taylor	2013	1759	159	**	2439	2227	174	38	2507	2300	142	65
Union	3502	2734	440	128	360%	3344	361	100	3658	3288	284	86
Van Buren	2167	1025	173	69	2425	2197	149	79	2380	2171	127	82
Marketto	10135	84 D4	1361	370	11275	9834	1173	268	11236	10094	935	207
Mar Prem	VV50	8009	1015	244	9337	8386	754	197	6901	6459	324	118
Mash irroton	5289	4627	477	185	5440	4875	443	122	4905	4502	316	87
Vayrve	2062	1865	139	**	2415	2193	165	57	2451	2265	129	57
Webs ter	10924	STREE	1425	410	12191	10576	1288	327	12049	10687	1072	290
Virrebago	3271	7007	280	84	7502	3170	255	77	3322	3014	219	89
Wirmeshiek	5121	4577	372	17.5	5240	4712	354	174	4914	4431	296	187
Westury	25734	20775	3858	1101	267(r)	22641	3336	728	25590	22583	2400	607
Worth	23%	2027	189	80	2541	2244	212	85	2446	2221	135	90
Uright	4.081	3634		117	4606	4170	318	118	4633	4235	273	125
State of Icea	740819	6279973	85141	25785	770283	677127	73029	20127	713490	645082	52025	16383

Table 2. Family Type and Presence of Related Children in Iowa Counties, 1990.

Table 2. Family	/ Type and T	Presence of	Ketated Chit	aren in 10m		1990. es With	Familie	e Uith
			Macri	ed-Couple		ouseholders,		seholders,
	All F	amilies		ilies		nd Present		Present
	With	With No	With	With No	With	With No	With	With No
	Related	Related	Related	Related	Related	Related	Related	Related
County	Children	Children	Children	<u>Children</u>	Children	Children	Children	Children
Adair	1024	1384	882	1294	108	55	34	35
Adams	586	802	514	749	56	34	16	19
Allamakee	1796	1923	1551	1714	173	126	72	83
Appanoose	1762	2066	1363	1843	331	148	68	75
Audubon	882	1220	783	1144	84	47	15	29
Benton	3048	3222	2542	2960	402	181	104	81
Black Hawk	16064	16079	11810	14266	3592	1310	662	503
Boone	3211	3741	2618	3416	475	235	118	90
Bremer	2891	3274	2521	3069	291	125	79	80
Buchanan	2915	2649	2387	2426	401	153	127	70
Buena Vista	2531	2686	2164	2511	298	107	69	68
Butler	2050	2440	1787	2247	191	133	72	60
Calhoun	1362	1807	1167	1678	149	89	46	40
Carroll	2892	2734	2511	2438	299	200	82	96
Cass	1909	2297	1592	2140	243	99	74	58
Cedar	2381	2528	2004	2317	269	142	108	69
Cerro Gordo	6118	6543	4776	5874	1120	491	222	178
Cherokee	1829	2006	1538	1848	233	99	58	59
Chickasaw	1802	1855	1550	1688	184	108	68	59
Clarke	1096	1237	898	1134	158	69	40	34
Clay	2407	2429	1987	2247	333	144	40 87	38 38
Clayton	2497	2712	2188	2463	215	157	94	
Clinton	7008	7048	5457	6234	1256	558		92 354
Crawford	2183	2303	1824	2085	261	134	295 98	256
Dallas	4243	4054	3454	3671	605	256	184	84 127
Davis	1093	1226	943	1134	113	61	37	31
Decatur	992	1154	818	1080	135	43	37 39	31
Delaware	2538	2313	2235	2070	243	158	60	85
Des Moines	5702	6032	4276	5327	1153	523	273	182
Dickinson	1794	2476	1466	2300	256	119	72	57
Dubuque	11444	10706	9550	9253	1571	1038	323	415
Emmet	1479	1634	1221	1488	202	105	56	413
fayette	2835	3131	2420	2832	304	197	111	
Floyd	2220	2568	1820	2382	320	128	80	102 58
Franklin	1476	1731	1266	1585	163	99	47	47
Fremont	1058	1251	887	1136	132	78	39	47 37
Greene	1221	1628	1007	1513	172	80	42	37 35
Grundy	1573	1937	1380	1818	144	80	49	39
Guthrie	1373	1785	1153	1638	162	104	58	43
Hamilton	2090	2524	1738	2306	276	155	76	63
Hancock	1746	1794	1496	1655	181	90	69	49
Hardin	2341	2939	1965	2748	285	135	91	
Harrison	1939	2127	1619	1931	249	136	71	56 60
Henry	2492	2583	2055	2343	347	147	7 i 90	93
Howard	1226	1458	1056	1323	132	65		
Humbol dt	1370	1731	1176	1609	159	55 75	38 35	70 47
Ida	1107	1210	993	1128	96	44	35	47 30
Iowa	1870	2256	1633	2030	184	158	18	38
Jackson	2714	2765	2270	2441	357	209	53 87	68 115

Table 2. Family Type and Presence of Related Children in Iowa Counties, 1990.

						es With	Familie	s With
			Marrie	d-Couple		useholders,		eholders,
	ALL F	amilies		lies		nd Present		Present
	With	With No	With	With No	With	With No	With	With No
	Related	Related	Related	Related	Related	Related	Related	Related
County	Children	Children	Children	Children	Children	Childr <u>en</u>	Children	Children
Jefferson	2135	2153	1714	1969	339	127	82	57
Johnson	10452	9865	8581	8577	1567	837	304	451
Jones	2505	2576	2079	2335	324	166	102	75
Keokuk	1506	1801	1250	1643	185	102	71	56
Kossuth	2428	2673	2133	2464	220	149	<i>7</i> 5	60
Lee	5180	5303	3926	4715	1018	435	236	153
Linn	22429	22610	17747	20015	3721	1815	961	780
Loui sa	1625	1569	1317	1429	221	91	87	49
Lucas	1134	1403	912	1301	181	66	41	36
Lyon	1623	1661	1502	1543	96	<i>7</i> 5	25	43
Madison	1720	1772	1443	1662	222	78	55	32
Mahaska	2903	3115	2380	2876	419	157	104	82
Marion	3950	3929	3317	3627	497	211	136	91
Marshall	4957	5521	3926	4980	852	381	179	160
Mills	1839	1630	1474	1471	297	119	68	40
Mitchell	1351	1680	1200	1553	116	83	35	44
Monona	1218	1601	988	1447	170	101	60	53
Monroe	1020	1218	822	1083	155	87	43	48
Montgomery	1539	1843	1216	1691	264	105	59	47
Muscatine	5753	51 38	4502	4579	978	383	273	176
O'Brien	1956	2280	1726	2143	183	94	47	43
Osceola	960	1052	859	982	84	42	17	28
Page	2122	2486	1709	2266	324	166	89	54
Palo Alto	1279	1527	1107	1416	138	75	34	36
Plymouth	3157	3100	2782	2837	298	175	77	88
Pocahontas	1206	1474	1064	1360	105	64	37	50
Polk	43808	42039	33064	36163	8928	4309	1816	1567
Pottawattamie	11719	11108	8761	9631	2441	1060	517	417
Poweshiek	2408	2628	2020	2416	307	151	81	61
Ringgold	653	909	553	851	75	35	25	23
_	1558	1896	1342	1745	151	114	65	37
Sac	21767	18619	16077	16275	4751	1651	939	693
Scott	1722	1980	1509	1838	171	98	42	44
Shelby	3949	3635	3652	3405	235	136	62	94
Sioux	7750	8134	6484	7399	1047	447	219	288
Story	2194	2684	1809	2427	278	166	107	91
Tame		1132	747		103	56	31	24
Taylor	881	1816	1286	1648	331	109	69	
Union	1686		825	1100	107	66	46	
Van Buren	978	1189	3570		918		212	
Wapello	4700	5435	4458		742		153	
Warren	5353		2165	2462	305	172	98	
Washington	2568		698		94	45	34	
Wayne	826		4081	4985	1033	419	238	
Webster	5352		1336		183		39	
Winnebago	1558		2188		216		58	
Winneshiek	2462			10564	2700		633	
Woodbury	13544		10211		109		42	
Worth	1025		874 1537		223		64	
Wright	1810	2271	1523	2111				
State of Iowa	365103	375716	293089	336804	58111	27030	13903	11882

Table 3. Family Type and Presence of Children Under 18 in Iowa Counties, 1980.

			on real en one	er 18 in 10			Familia	- 11545
			**	-		es With	Familie	
	411.5			d-Couple		useholders,		eholders,
		amilies		lies		nd Present		Present
	With	With No	With	With No	With	With No	With	With No
	Children	Children	Children	Children	Children		Children	Children
County	Under 18	Under 18	Under 18	Under 18	Under 18	Under 18	Under 18	
Adair	1211	1505	1117	1407	81	60	13	38
Adams	755	921	668	848	75	46	12	27
Allamakee	2011	1922	1834	1658	146	162	31	102
Appanoose	2013	2363	1686	2097	283	187	44	79
Audubon	1107	1292	1015	1189	71	62	21	41
Benton	3377	3084	3039	2817	278	177	60	90
Black Hawk	19008	16307	15618	14478	2971	1282	419	547
Boone	3395	3723	2993	3377	336	243	66	103
Bremer	3518	3076	3237	2831	221	154	60	91
Buchanan	3288	2613	2929	2354	304	188	55	71
Buena Vista	2645	2988	2402	2764	208	140	35	84
Butler	2434	2555	2274	2318	123	156	37	81
Calhoun	1696	2072	1527	1885	145	126	24	61
Carroli	3163	2605	2885	2289	234	205	44	111
Cass	2222	2513	1955	2313	225	119	42	81
Cedar	2633	2547	2346	2299	245	147	42	101
Cerro Gordo	6362	6775	5409	6067	836	522	117	186
Cherokee	2153	2213	1940	2016	172	133	41	64
Chickasaw	2158	1902	1946	1689	178	140	34	73
Clarke	1151	1324	1006	1237	130	55	15	32
Clay	2790	2604	2471	2367	271	158	48	79
Clayton	2860	2841	2612	2536	203	186	45	119
Clinton	8062	7225	6961	6454	926	533	175	238
Crawford	2622	2410	2371	2159	206	148	45	103
Dallas	4322	3850	3749	3521	477	230	96	99
Davis	1216	1318	1121	1230	74	50	21	38
Decatur	1129	1390	981	1274	128	79	20	37
Delaware	26 86	2145	2474	1875	165	161	47	109
Des Moines	63%	6238	5354	5537	908	515	134	186
Dickinson	2101	2401	1848	2258	215	99	38	44
Dubuque	13167	9398	11662	7925	1282	1040	223	433
Emmet	1824	1728	1649	1550	141	127	34	51
Fayette	3438	3350	3145	2980	246	216	47	154
Floyd	2687	2662	2374	2451	270	139	43	72
Franklin	1730	1991	1549	1812	149	119	32	60
remont	1200	1469	1058	1341	119	86	23	42
ireene	1573	1840	1390	1694	157	103	26	43
Grundy	2003	2039	1852	1873	123	111	28	55
Suthrie	1537	1848	1362	1702	143	91	32	55
lamilton	2442	2559	2158	2306	245	171	32 39	82
ancock	1952	1870	1785	1694	132	103	35	
lardin	2748	3196	2465	2929	231	181		73 84
arrison	2179	2319	1924	2101	225		52 30	86 74
lenry	2497	2519	2195	2274	258	142	30	76 79
oward	1444	1524	1342	1337		167	44	78
umboldt	1677	1865	1507		83 1/7	103	19	84
da	1147	1340	1065	1723	143	88	27	54
OHR	2067	2220		1228	66	62	16	50
ackson	3186	2659	1884	1983	146	153	37	84
asper			2864	2353	268	193	54	113
-spc:	5247	5144	4612	4789	535	243	100	112

Table 3. Family Type and Presence of Children Under 18 in Iowa Counties, 1980 (continued).

Table 3. Tamity	y type did tresence of		arridier orde		Families With		Families With	
			Married-Couple		Female Householders,		Male Householders,	
	All Fa	amilies	Families		No Husband Present			Present
	With	With No	With	With No	With	With No	With	With No
	Children		Children	Children	Children	Children	Children	Children
county	Under 18	Under 18	Under 18	Under 18	Under 18	Under 18	Under 18	Under 18
jefferson	2008	2195	1755	1998	204	128	49	69
Johnson	9233	8704	7834	7676	1216	674	183	354
Jones	2788	2549	2492	2280	234	171	62	98
(eokuk	1646	1984	1501	1800	112	115	33	69
(ossuth	3024	2864	2754	2555	227	178	43	131
_ee	5883	5527	4959	4887	797	469	127	171
Linn	24152	20286	20352	18049	3207	1583	593	654
Louisa	1790	1535	1543	1401	193	79	54	55
Lucas	1363	1532	1172	1403	165	92	26	37
Lyan	1807	1669	1713	1515	80	100	14	54
Madison	1767	1741	1613	1597	119	91	35	53
Mahaska	2968	3399	2602	3134	331	170	35	95
Marion	3988	3806	3528	3495	386	208	74	103
Marshall	5784	5455	4996	4956	695	353	93	146
Mills	1804	1660	1594	1513	172	107	38	40
Mitchell	1637		1521	1484	89	113	27	68
Monona	1480		1321	1648	136	121	23	72
Monroe	1162		1047	1188	98	112	17	58
Montgomery	1731		1515	1920	186	141	30	55
Muscatine	5922		5053	4303	739	360	130	152
O'Brien	2246		2090	2222	130	142	26	49
Osceola	1129		1033	1094	79	56	17	38
	2418		2101	2577	270	184	47	66
Page	1644		1508	1539	120	103	16	54
Palo Alto	3340		3080		224	210	36	129
Plymouth	1504		1365		119		10	
Pocahontas	41585		33419		7181		785	1217
	12428		10215		1962	980		186
Pottawattamie			2182		252			
Foweshiek	2471		677		63		12	36
Ringgeld	752		1705		117		22	S.
Sac	1844		19455		3/25		47	724
Scott	2348		1872		137		26	72
Shelby	2035		4058		191			**
Side	4280		6831		792		142	255
Story	7765		2309		220		46	9 1
Teme	2585		919		97		15	3
Taylor	1031		1582		725			
union 	1845		1033				N	4
Van Buren	1142		4418		706		101	147
Mace to	5225		4927		560		100	M
Werren	5587		239E					
leash ington	2582	and the second	581		3		14	. 4
ште	975		5246		314		125	200
Webs ter	6187		1515				3	
v metago	169		2499		164		1	13
Virmeshiek	270		11563		2151			
ectury	1400	- market	1058		114		17	
wrth .	118		198				4	
kright 	210	8 2496	1961		47 P. T.			
State of loan	39607	5 374228	34230	134826	484		770	7 1242

Table 4. Family Type and Presence of Children Under 18 in Iowa Counties, 1970.

Table 4. Fami	y Type and Presence of		unitaren und	er io in to			Familie	
			•			es With		
			Married-Couple			useholders,	Male Householders,	
	All Families		<u>Families</u>		No Husband Present		No Wife Present	
	With	With No	With	With No	With	With No	With	With No
	Children	Children	Children		Children		Children	Children
County	Under 18	Under 18	Under 18		Under 18	Under 18	Under 18	
Adair	1229	1408	1178	1292	39	74	12	42
Adams	7 9 1	974	746	877	38	63	7	34
Allamakee	1902	1732	1779	1451	97	170	26	111
Appanoose	1811	2257	1637	1958	156	197	18	102
Audubon	1319	1234	1250	1121	62	70	7	43
Benton	3218	2691	3009	2435	170	161	39	95
Black Hawk	18603	13651	16805	12249	1586	990	212	412
Boone	3402	3506	3146	3145	223	248	33	113
Bremer	3081	2647	2948	2379	104	179	29	89
Buchanan	3004	2221	2787	1968	172	158	45	95
Buena Vista	2794	2554	2616	2292	155	164	23	98
Butler	2344	2211	2226	1979	99	149	19	83
Calhoun	1892	1926	1765	1723	106	123	21	80
Carroll	3067	2299	2869	1953	163	226	35	120
Cass	2268	2357	2127	2112	128	143	13	102
Cedar	2418	2223	2286	1984	108	146	24	93
Cerro Gordo	6745	5889	6154	5193	522	530	69	166
Cherokee	2374	1959	2246	1721	118	163	10	75
Chickasaw	1989	1697	1882	1472	86	134	21	91
Clarke	963	1170	896	1055	53	67	14	48
Clay	2627	2214	2432	2010	170	153	25	51
Clayton	2679	2572	2530	2233	115	202	34	137
Clinton	7996	6441	7359	5666	546	526	91	249
Crawford	2629	2202	2477	1929	131	150	21	123
Dallas	3717	3233	3428	2944	241	202	48	87
Davis	1089	1162	1030	1060	43	51	16	51
Decatur	1093	1348	1021	1213	63	86	9	49
Delaware	2558	1806	2416	1572	106	134	36	100
Des Moines	6523	5785	5873	5054	576	540	74	191
Dickinson	1688	1771	1591	1611	85	104	12	56
Dubuque	12044	7795	11196	6381	681	988	167	426
Emmet	1909	1575	1771	1404	116	129	22	42
Fayette	3528	3164	3316	2776	169	241	43	147
Floyd	2721	2397	2548	2160	147	164	26	73
Franklin	1810	1908	1698	1732	96	116	16	60
Fremont	1143	1387	1061	1255	64	80	18	52
Greene	1695	1764	1552	1589	120			
Grundy	1977	1844	1897	1667	71	116	23	59 74
Guthrie	1577	1736	1486	1569		106	9	71
Hamilton	2558	2373			77	109	14	58
Hancock	1847	1672	2365	2109	159	163	34	101
Hardin	2847	2889	1746	1480	85	109	16	83
Harrison	2137		2658	2584	166	209	23	96
Henry	2356	2165 2742	1950	1926	161	156	26	83
Howard		2342	2188	2114	140	162	28	66
	1452	1460	1358	1227	76	129	18	104
Humboldt	1752	1516	1639	1368	102	100	11	48
Ida	1253	1195	1205	1089	42	56	6	50
Iowa	2122	1956	2029	1728	77	133	16	95
Jackson	2791	2240	2629	1919	134	182	28	139
Jasper	5236	4290	4880	3931	300	245	56	114

Table 4. Family Type and Presence of Children Under 18 in lowa Counties, 1970 (continued).

	-				Families With		Families With		
			Marrie	Married-Couple		Female Householders,		Male Householders,	
	All Families			Families		No Husband Present		No Wife Present	
	With	With No	With	With No	With	With No	With	With No	
	Children		Children	Children	Children	Children	Children		
county	Under 18	Under 18	Under 18	Under 18	Under 18	Under 18	Under 18	Under 18	
Jefferson	2007	2049	1853	1854	134	120	20	75	
Johnson	8854	7191	8228	6433	554	521	72	237	
Jones	2685	2214	2486	1918	171	190	28	106	
(eokuk	1 <i>7</i> 52	1970	1661	1753	68	135	23	82	
(ossuth	3096	2598	2929	2258	140	201	27	139	
.ee	5775	5204	5197	4470	505	523	73	211	
_inn	24163	16721	22079	14820	1806	1374	278	527	
.ouisa	1476	1337	1382	1190	68	89	26	58	
Lucas	1314	1459	1203	1288	97	106	14	65	
Lyon	1910	1463	1825	1295	64	103	21	65	
-, Madison	1520	1655	1434	1509	70	93	16	53	
lahaska	2808	3128	2582	2835	196	186	30	107	
Marion	3393	3213	3136	2894	217	231	40	88	
Marshall	5763	4851	5324	4377	377	335	62	139	
Mills	1488	1471	1386	1327	84	94	18	50	
Mitchell	1687	1521	1580	1333	84	105	23	83	
Monona	1543	1698	1418	1518	94	105	31	75	
Honroe	1182	1286	1096	1092	72	121	14	73	
Montgomery	1635	1893	1507	1669	112	150	16	74	
Muscatine	5215	4296	4782	3802	376	350	57	144	
o'Brien	2401	2132	2285	1881	102	153	14	98	
Osceola	1179	1029	1122	937	48	48	9	44	
Page	2232	2741	2052	2439	153	224	27	78	
Palo Alto	1717	1569	1615	1383	85	117	17	69	
	3184	2625	2973	2291	180	185	31	149	
Plymouth Pocahontas	1697	1580	1602	1373	82	123	13	84	
	40874	31865	36102	28016	4302	2914	470	935	
Polk	12492	9372	11252		1080	803	160	369	
Pottawattamie	2477	2230	2329	1984	125	177	23	69	
Poweshiek		1021	744	947	42	41	19	33	
Ringgold	805		1974	1773	104	118	28	96	
Sac	2106	1987	18916	12998	1714	1228	250	493	
Scott	20880	14719	1995	1520	86	121	25	78	
Shelby 	2106	1719	3761	2433	140	194	29		
Sioux	3930	2717	7195	5877	324	374	47		
Story -	7566	6415			148	177	39		
Tame	2607		2420		59	83	21		
Taylor	1063		983		146	138	23		
Union	1723		1554	1190	56	71	22		
Van Buren	1059		961		,6 486	449	61		
Wapello	5595		5048		196	128	38		
Warren	4259		4025		123	193	20		
Weshington	2541	2364	2398		55	74	10		
Wayne	996		931				93		
Webster	6699		6040		566	506 138	16		
Vinnebago	1735		1638		81		38		
Winneshiek '	2583		2447		98		36 187		
Woodbury	13987		12525		1275	1125	107		
Worth	1204		1142		53				
W right	2388	2245	2230	2005	128	145	30	. 72	
State of lows	385919	327571	355048	290034	26570	25455	4301	12082	

In 1990, 82 counties had more families without children than those with them. The differences ranged from fewer than 100 more families without children in 12 counties to more than 500 fewer in six others. Dickinson and Wapello each had at least 600 more families without children than those with them. Among the 17 counties that had more families with children than without, three (Polk, Scott, Woodbury) each reported a difference of at least 1,000.

Among married-couple families, only seven counties had more of this family type with related children than with no related children in 1990. In two of these (Johnson, Mills) those with children outnumbered those without by less than five families. In contrast, eight counties had at least 1,000 fewer married-couple families without children than with them, topped by differences greater than 2,000 in Black Hawk, Linn, and Polk. Another 17 counties had at least 500 more married-couple families without children than with them.

In contrast to the results for married-couple families, more families of female householders with no husband present had children than didn't in every county. In 44 cases, the numbers differed by less than 100, but they were greater than 1,000 in six (Black Hawk, Linn, Polk, Pottawattamie, Scott, Woodbury). Among families of male householders with no wife present, these same six counties were the only ones that had at least 100 more families with children than without, although the greatest difference never topped 250. In 29 counties, families of male householders with no children outnumbered those with them.

Note: These data are from the decennial censuses for lowa as reported by the U.S. Bureau of the Census. The figures for 1990 are from a census bureau computer tape (Summary Tape File 1A). Publications released later may report slightly revised numbers for 1990; the bureau updates figures if it determines that errors were made on earlier tapes or publications.

Residents of Households and Group Quarters

in Iowa's Counties: 1950-1990

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

People Living in Households

lowa had 1,064,325 households in 1990, which was an increase of 11,292 since 1980 (Table 1). This growth in households continued the trends that occurred from 1950 through 1980. Households increased by 60,358 in the 1950s, 54,954 in the 1960s, and 156,722 in the 1970s (Table 2). The state had 283,326 more households in 1990 than in 1950, which was an increase of 36.3%. Persons living in households grew from 2,538,841 in 1950 to 2,677,235 in 1990, resulting in a gain of 138,394 (5.5%). Because the number of households increased at a much faster rate than did the number of people living in them, persons per household dropped from 3.25 to 2.52 between 1950 and 1990. This decline was greatest between 1970 and 1980, when households jumped by 156,722 (17.5%) but persons living in them increased by only 83,774 (+3.1%). The number of persons per household dropped from 3.05 in 1970 to 2.68 in 1980.

In 1990, 21 counties had at least 10,000 households, topped by Polk with 129,237. The only other counties with at least 50,000 households were Linn (65,501) and Scott (57,438). Less than 5,000 households were noted in 37 counties, with the number under 3,000 in six (Adams, Audubon, Osceola, Ringgold, Taylor, Wayne). From 1950 to 1990, 23 counties reported increases in the number of households each decade. All counties had gains in the 1970s; 28 had declines in the remaining three decades, however. For 22 counties, the 1980s was the only decade in which the number of households declined between 1950 and 1990.

Twenty-nine counties had more households in 1990 than in 1980; increases ranged from 10 to more than 14,000, although Polk was the only county that added at least 6,000 households during the decade. Declines varied from less than 200 in 22 counties to more than 400 in 21 others. Black Hawk (-1,273), Wapello (-881), and Webster (-923) were the only ones with at least 800 fewer households in 1990 than 10 years earlier. In percentage terms, declines in the number of households greater than 5.0% occurred in 39 counties, with five (Fremont, Greene, Pocahontas, Taylor, Wayne) dropping by at least 10%. Percentage gains of at least 5.0% occurred in seven countles; the greatest increases in households between 1980 and 1990 took place in Jefferson (+10.4%), Johnson (+19.4%), and Polk (+12.6%) countles.

In 1990, 47 counties had households that averaged at least 2.50 residents; those at 2.70 or above included Buchanan, Delaware, Lyon, Plymouth, Sioux, and Warren. The remaining 52 counties were under 2.50 in average household size; 14 were below 2.40, with three at 2.35 or lower (Dickinson, Lucas, Wayne). In 1950, there were 10 counties (Allamakee, Carroll, Delaware, Dubuque, Kossuth, Lyon, Palo Alto, Shelby, Sioux, Winneshiek) with households averaging at least 3.50 persons, topped by Kossuth and Palo Alto at 3.63. Lucas (2.97) and Wayne (2.93) were the only two with less than 3.00 persons per household that year.

People Living in Group Quarters

All persons not living in households are classified by the census bureau as living in group quarters. This includes inmates of institutions (e.g., homes, schools, hospitals, or wards for the physically or mentally handicapped; hospitals or wards for mental, tubercular, or chronic disease patients; homes for unmarried mothers; nursing, convalescent, and rest homes for the aged and dependent; orphanages; correctional institutions) and other types of group living situations (e.g., rooming and boarding houses, workers' dormitories, missions, convents or monasteries, military barracks, college dormitories, sorority or fraternity houses). This definition has remained relatively unchanged since the 1960 census. A different definition was in force in 1950; thus, the data for that year should not be compared directly with those for more recent censuses. In 1990, 99,520 persons were counted in group quarters in lowa. This was an increase of 3,185 (+3.3%) from the 96,335 noted in 1980 (Table 1). This continued the trend since 1960 (Table 2), when 70,196 were listed in group quarters.

In 1990, four counties (Black Hawk, Johnson, Polk, Story) had a third (34.5%) of the total number living in group quarters in the state. Story, with its relatively large university student body, had 14.4% of its total residents living in group quarters, which was the largest percentage in the state. The only other county above 10.0% was Winneshiek (10.1%); again, college students contributed in large part to this figure. Another 13 counties had at least 5.0% of their inhabitants in such quarters. Seventeen counties had less than 200 residents in group quarters; percentages were under 2.0% in 31 counties. Changes in the number living in group quarters between 1980 and 1990 varied from gains of at least 100 in 17 counties to declines greater than 100 in 12 others.

Note: These data are from the decennial censuses for lowa as reported by the U.S. Bureau of the Census. The figures for 1990 are from a census bureau computer tape (Summary Tape File 1A). Publications released later may report slightly revised numbers for 1990; the bureau updates figures if it determines that errors were made on earlier tapes or publications.

Table 1. Persons in Households and Group Quarters in Iowa Counties, 1970-1990.

		1	1990			1	980			1	970	
County	Households	Persons Per Household	Persons in Households	Persons in Group Quarters	Households	Persons Per Household	Persons in Households	Persons in Group Quarters	Households	Persons Per Household	Persons in Households	Persons in Group Quarters
Adair	3419	2.41	8232	177	3615	2.58	9319	190	3301	2.85	9392	95
Adams	2005	2.37	4759	107	2216	2.54	5634	97	2184	2.84	6211	111
Allamakee	5268	2.55	13459	396	5215	2.82	14732	376	4542	3.22	14641	327
Appanoose	5609	2.41	13519	224	6011	2.55	15311	200	5355	2.75	14723	284
Audubon	2936	2.43	7128	206	3192	2.62	8349	210	3147	3.02	9494	101
Benton	8518	2.59	22069	360	8561	2.72	23307	342	7357	3.06	22543	342
Black Hawk	46932	2.51	117591	6207	48205	2.72	131130	6831	39638	3.19	126560	6356
Boone .	9827	2.46	24129	1057	9731	2.56	24958	1226	8649	2.88	24891	1579
Bremer	8394	2.55	21384	1429	8454	2.79	23569	1251	6861	3.12	21406	1331
Buchanan	7506	2.71	20336	508	7672	2.92	22400	500	6355	3.33	21133	613
Buena Vista	7515	2.49	18713	1252	7673	2.57	19697	1077	6789	2.94	19950	743
Butler	6036	2.55	15416	315	6356	2.73	17372	296	5520	3.04	16785	168
Calhoun	4684	2.36	11071	437	5113	2.56	13080	462	4826	2.90	13991	296
Carroll	7964	2.63	20910	513	7869	2.85	22417	534	6780	3.32	22522	390
Cass	6177	2.39	14737	391	6524	2.53	16528	404	5933	2.81	16657	350
Cedar	6684	2.57	17156	225	6771	2.70	18289	346	5661	3.08	17419	236
Cerro Gordo	19061	2.37	45259	1474	18694	2.52	47155	1303	16279	2.98	48455	880
Cherokee	5514	2.48	13653	445	5999	2.62	15697	541	5497	3.06	16808	461
Chickasaw	5040	2.59	13054	241	5359	2.85	15250	187	4498	3.29	14804	165
Clarke	3343	2.45	8174	113	3356	2.55	8573	39	2706	2.76	7468	113
Clay	7074	2.45	17330	255	7377	2.62	19336	240	6096	2.98	18152	312
Clayton	7218	2.59	18718	336	7487	2.77	20717	381	6552	3.10	20342	264
Clinton	19757	2.53	50076	964	20345	2.76	56146	976	17707	3.15	55824	925
Crawford	6397	2.54	16218	557	6661	2.78	18512	423	6031	3.10	18678	102
Dallas	11204	2.61	29196	559	10688	2.72	29038	475	8603	2.99	25745	340
Davis	3093	2.63	8123	189	3278	2.73	8937	167	2791	2.89	8063	144
Decatur	3207	2.38	7625	713	3458	2.54	8791	1003	3198	2.75	8785	952
Delaware	6389	2.78	17784	251	6219	3.01	18744	189	5327	3.48	18532	238
Des Moines	16874	2.48	41866	748	17350	2.62	45478	725	15693	2.95	46277	705
Dickinson	6160	2.34	14442	467	6033	2.56	15429	200	4335	2.87	12453	112
Dubuque	30799	2.67	82374	4029	30021	2.98	89482	4263	24279	3.55	86202	4407
Emmet	4461	2.49	11097	472	4844	2.70	13074	262	4325	3.14	13580	429
Fayette	8490	2.50	21233	610	9093	2.74	24898	590	8364	3.10	25892	1006

Table 1. Persons in Households and Group Quarters in Iowa Counties, 1970-1990 (continued).

		1	990			1	980			1	970	
County	Households	Persons Per Household	Persons in Households	Persons in Group Quarters	Households	Persons Per Household	Persons in Households	Persons in Group Quarters	Households	Persons Per Household	Persons in Households	Persons in Group Quarters
Floyd	6721	2.46	16556	502	7084	2.70	19120	477	6392	3.03	19385	475
Franklin	4579	2.44	11151	213	5010	2.56	12844	192	4571	2.87	13130	125
Fremont	3217	2.50	8037	189	3588	2.57	9237	164	3237	2.82	9128	154
Greene	4195	2.36	9885	160	4682	2.55	11930	189	4403	2.86	12572	144
Grundy	4776	2.48	11837	192	5228	2.71	14174	192	4653	3.01	13996	123
Guthrie	4407	2.42	10678	257	4572	2.56	11705	278	4224	2.85	12046	197
Hamilton	6358	2.49	15809	262	6623	2.66	17605	257	6159	2.96	18201	182
Hancock	4867	2.55	12429	209	5002	2.71	13574	259	4339	3.01	13058	169
Hardin	7611	2.38	18149	945	8161	2.55	20834	942	7458	2.87	21377	871
Harrison	5656	2.55	14423	307	5957	2.70	16058	290	5415	2.95	15991	249
Henry	7089	2.51	17778	1448	6707	2.64	17675	1215	5917	2.89	17081	1033
Howard	3856	2.48	9559	250	4012	2.71	10879	235	3627	3.10	11259	183
Humboldt	4339	2.44	10589	167	4620	2.62	12094	152	4002	3.10	12399	120
Ida	3222	2.53	8164	201	3369	2.59	8738	170	3031	2.98	9030	160
Iowa	5713	2.51	14348	282	5598	2.71	15158	271	4965	3.07	15251	168
Jackson	<i>7</i> 527	2.61	19660	290	7632	2.91	22228	275	6270	3.28	20578	261
Jasper	13632	2.50	34115	680	13564	2.64	35866	559	11609	3.00	34875	550
Jefferson	6309	2.42	15238	1072	5716	2.59	14787	1529	5257	2.84	14909	865
Johnson	36067	2.41	86967	9152	30220	2.45	74150	7567	22491	2.88	64738	7389
Jones	6917	2.60	17954	1490	6931	2.80	19411	990	5949	3.17	18883	985
Keokuk	4573	2.50	11435	189	4884	2.61	12740	181	4695	2.92	13728	215
Kossuth	7194	2.53	18218	373	7806	2.77	21615	276	6926	3.27	22660	277
Lee	14936	2.49	37210	1477	15618	2.66	41556	1550	13953	3.00	41822	1174
Linn	65501	2.51	164646	4121	61770	2.68	165721	4054	50855	3.13	159367	3846
Louisa	4296	2.65	11376	216	4218	2.81	11870	185	3456	3.05	10538	144
Lucas	3766	2.35	8862	208	4045	2.49	10074	239	3582	2.77	9928	235
Lyon	4289	2.74	11764	188	4488	2.84	12733	163	4090	3.24	13249	91
Madison	4715	2.59	12217	266	4575	2.69	12294	303	3963	2.87	11358	
Mahaska	8306	2.51	20820	702	8611	2.56	22053	814	7543	2.81	21211	
Marion	10815	2.55	27600	2401	10322	2.68	27653	2016	8130	2.94	23936	
Marshall	14890	2.47	36840	1436	15410	2.62	40426	1226	13286	3.01	39956	
Mills	4665	2.65	12363	839	4537	2.72	12343	1063	3657	2.91	10638	
Mitchell	4253	2.48	10567	361	4432	2.71	12005	324	4038	3.16	12771	337

Table 1. Persons in Households and Group Quarters in Iowa Counties, 1970-1990 (continued).

			1990			1	980			1	970	
County	Households	Persons Per Household	Persons in Households	Persons in Group Quarters	Households	Persons Per Household	Persons in Households	Persons in Group Quarters	Hous e holds	Persons Per Household	Persons in Households	Persons in Group Quarters
Monona	4098	2.38	9754	280	4468	2.55	11413	279	4133	2.87	11865	204
Monroe	3196	2.48	7923	191	3510	2.59	9103	106	3168	2.90	9182	175
Montgomery	4955	2.37	11759	317	5270	2.49	13141	272	4621	2.71	12533	248
Muscatine	14806	2.65	39252	655	14214	2.80	39782	654	11840	3.09	36597	584
O'Brien	5980	2.49	14896	548	6254	2.64	16511	461	5669	3.02	17134	388
Osceola	2817	2.54	7147	120	3050	2.71	8265	106	2738	3.10	8490	65
Page	6687	2.41	16136	734	7317	2.50	18291	772	6571	2.67	17540	967
Palo Alto	4183	2.48	10359	310	4624	2.69	12447	274	4098	3.18	13015	274
Plymouth	8417	2.70	22687	701	8425	2.84	23937	806	7167	3.26	23376	936
Pocahontas	3820	2.44	9313	212	4270	2.61	11139	230	4066	3.08	12537	192
Polk	129237	2.47	318917	8223	114817	2.58	296273	6897	93415	2.98	278687	7414
Pottawattamie	31262	2.60	81375	1253	30803	2.78	85493	1068	26776	3.20	85791	1200
Powesh i ek	7158	2.48	17759	1274	6865	2.63	18023	1283	5969	2.95	17605	1198
Ringgold	2218	2.38	5272	148	2409	2.48	5969	143	2306	2.72	6272	101
Sac	4914	2.46	12091	233	5353	2.59	13882	236	5080	3.01	15274	299
Scott	57438	2.58	148332	2647	56677	2.78	157442	2580	44022	3.18	139897	2790
Shelby	5024	2.56	12855	375	5218	2.81	14666	377	4631	3.28	15184	344
Sioux	9925	2.80	27797	2106	9915	2.93	29065	1748	8030	3.32	26695	1301
Story	25941	2.45	63525	10727	23665	2.54	60167	12159	18296	2.89	52958	9825
Tama	6768	2.51	17004	415	7086	2.70	19127	406	6553	3.02	19777	370
Taylor	2859	2.42	5932	182	3284	2.49	8189	164	3223	2.68	8651	139
Union	5173	2.41	12487	263	5314	2.55	13545	313	4774	2.79	13330	227
Van Buren	3056	2.47	7547	129	3195	2.66	8511	115	3025	2.81	8503	140
Wapello	14555	2.40	34963	724	15436	2.55	39389	852	14352	2.88	41285	864
Warren	12659	2.75	34770	1263	11513	2.94	33857	1021	8012	3.31	26491	941
Washington	7454	2.55	19004	608	7213	2.71	19567	574	6136	3.03	18572	395
Wayne	2953	2.35	6938	129	3315	2.43	8072	127	3137	2.66	8338	67
Webster	15963	2.44	38956	1386	16886	2.63	44435	1518	15282	3.08	46994	1397
Winnebago	4704	2.43	11449	673	4845	2.55	12366	644	4224	2.90	12257	733
Winneshiek	7256	2.58	18747	2100	7063	2.81	19830	2046	6058	3.25	19660	2098
Woodbury	36899	2.59	95388	2888	36632	2.68	98113	2771	32834	3.04	99876	3176
Worth	3239	2.43	7860	131	3452	2.59	8936	139	3039	2.93	8914	54
Wright	5899	2.37		303	6243	2.57	16028	291	5744	2.96	16992	302
State of lowa	1064325	2.52	2677235	99520	1053033	2.68	2817473	96335	896311	3.05	2733699	90677

Table 2. Persons in Households and Group Quarters in Iowa Counties, 1950-1960.

		11	960			11	9 50	
		Persons Per	Persons in	Persons in Group		Persons Per	Persons	Persons in
	Househol ds	Household	Households	Quarters	Households	Household	Households	Institutions
Adair	3614	3.00	10858	35	3873	3.17	12265	22
Adams	2422	3.06	7405	63	2765	3.14	8695	3
Allamakee	4546	3.48	15842	140	4576	3.54	16212	56
Appanoose	5583	2.83	15804	211	6345	3.08	19514	64
Audubon	3373	3.20	10801	118	3512	3.29	11537	16
Benton	7215	3.21	23126	296	6891	3.23	22272	203
Black Hawk	35498	3.36	119364	3118	29205	3.30	96235	460
Boone	8493	3.02	25609	2428	8412	3.10	26051	1822
Bremer	6116	3.29	20149	959	5535	3.31	18334	122
Buchanan	6029	3.47	20950	1343	5758	3.47	19987	1684
Buena Vista	6644	3.15	20897	292	6451	3.20	20662	46
Butler	5408	3.21	17352	115	5316	3.26	1 73 51	19
Calhoun	5034	3.12	15726	197	5169	3.24	16736	93
Carroll	6635	3.48	23098	333	6348	3.57	22677	102
Cass	5996	2.96	17771	148	5950	3.08	18322	73
Cedar	5504	3.21	17684	107	5243	3.20	16793	47
Cerro Gordo	15347	3.19	49031	863	13705	3.26	44719	469
Cherokee	5304	3.25	17244	1354	5063	3.37	17047	1657
Chickasaw	4317	3.44	14866	168	4334	3.48	15083	21
Clarke	2816	2.90	8173	49	3046	3.06	9314	2
Clay	5698	3.23	18401	103	5492	3.26	17923	32
Clayton	6690	3.26	21819	143	6699	3.33	22331	73
Clinton	16536	3.26	53839	1221	14846	3.25	48303	632
Crawford	5668	3.26	18478	91	5696	3.45	19647	48
Dallas	7776	3.07	23907	216	7578	3.09	23422	88
Davis	2913	3.13	9120	79	3139	3.15	9890	46
Decatur	3336	2.95	9837	702	3819	3.15	12018	54
Delaware	5174	3.54	18311	172	5019	3.50		
Des Moines	14286	3.08	44034	571			17568	84
Dickinson	3984	3.13	12472		13079	3.15	41162	226
Dubuque	21142			102	3911	3.23	12631	26
Emme t	4424	3.57	75455	4593	18541	3.58	66424	806
Fayette	8533	3.33	14730	141	4138	3.37	13964	30
Floyd		3.29	28058	523	8342	3.34	27878	131
rtoyu Fr a nklin	6524	3.19	20798	304	6419	3.29	21141	88
	4884	3.15	15376	96	4866	3.31	16102	49
Fremont	3395	2.99	10157	125	3881	3.15	12217	32
Greene	4730	3.03	14338	41	4855	3.19	15481	30
Grundy	4461	3.16	14116	16	4224	3.24	13699	0
Guthrie	4483	3.01	13500	107	4832	3.12	15094	52
Hamilton	6292	3.17	19921	111	6025	3.24	19516	58
Hancock	4394	3.31	14557	47	4331	3.46	14985	55
Hardin	7365	3.00	22063	470	7073	3.07	21739	237
Harrison 	5519	3.16	17460	140	5901	3.30	19453	43
Henry	5506	3.01	16549	1638	5339	3.10	16535	1449
loward	3763	3.34	12577	157	3748	3.47	12990	31
lumbol dt	3981	3.28	13070	86	3874	3.36	13020	44
i da	3276	3.12	10236	33	3301	3.23	10648	0
I OMA	4950	3.28	16256	140	4683	3.36	15728	56
Jackson	6077	3.38	20543	211	5462	3.37	18380	111
lasper	11050	3.16	34967	315	9818	3.24	31811	100

Table 2. Persons in Households and Group Quarters in Iowa Counties, 1950-1960 (continued).

		1	960		1950					
	Households	Persons Per Household	Persons in Households	Persons in Group Quarters	Households	Persons Per Household	Persons in Households	Persons in Institutions		
Jefferson	4958	3.07	15214	604	4911	3.12	15310	84		
Johnson	15071	3.15	47422	6241	11866	3.23	383 12	495		
iones	5874	3.34	19641	1052	5466	3.36	18371	955		
Keokuk	4975	3.08	15325	167	5420	3.08	16705	59		
Kossuth	7186	3.50	25153	161	7166	3.63	26016	66		
Lee	13372	3.17	42403	1804	12933	3.19	41292	1220		
Linn	42223	3.18	134328	2571	32003	3.15	100911	386		
Louisa	3215	3.18	10215	75	3399	3.24	11007	34		
Lucas	3699	2.90	10714	209	3992	2.97	11870	136		
Lyon	4190	3.44	14411	57	4087	3.58	14616	10		
Madison	3996	3.04	12134	161	4151	3.15	13064	31		
Mahaska	7639	3.04	23225	377	7883	3.07	24195	138		
Marion	7733	3.09	23886	2000	7543	3.15	23774	1765		
Marshall	11951	3.10	37033	951	10781	3.18	34330	629		
Mills	3612	3.13	11296	1754	3614	3.30	11931	1950		
Mitchell	4153	3.36	13956	87	4117	3.36	13853	29		
Monona	4431	3.12	13845	71	4816	3.36	16205	16		
Monroe	3289	3.14	10318	145	3615	3.23	11689	61		
	4892	2.92	14264	203	5047	3.07	15511	106		
Montgomery Muscatine	10862	3.08	33409	431	10038	3.15	31581	219		
O'Brien	5823	3.20	18633	207	5679	3.30	18760	127		
	2969	3.37	10009	55	2922	3.46	10122	11		
Osceola	6761	2.91	19707	1316	7140	3.08	22010	153.1		
Page Palo Alto	4220	3.47	14645	91	4364	1.63	15835	***		
Plymouth	6815	3.44	23417		6546	3.49	72863	10		
•	4241	3.33	14127		4492	1.41	15423	14		
Pocahontas	*2*\ 84352	3.10	261082		70165	1.11	218436	139		
Polk		3.29			20630	1.29		3 10		
Pottawattamie		3.16		1079	5532	3.26				
Poweshiek	5769		7874		3070	3.10		4		
Ringgold	2638	2.98			5258	J.R	1748	ś		
Sac	5284	3.20			29567	3.26		1080		
Scott	35648	3.26			4477	3.51		94		
Shelby	4488	3.46			7275	3.60		7.		
Sioux	7465	3.49			12177	1.21		19		
Story	14195	3.09			647	1.20		36		
Tame	6716	3.13			4056	1.04		6		
Taylor	3499	2.91			5004	1.07				
Union	4652	2.91			3 612	3.02				
Van Buren	3242	2.98			14562	1.19				
Vapello	14659	3.09			5258	1.29		3		
Warren	6125	3.31			<i>408</i>	3.21				
Washington	6035	3.17			3977	2.93				
Wayne	3471	2.80				3.31				
Webster	14947	3.17			385	1.46				
Virnebago	4010					1.56				
Virneshiek	5951	3.45		_	549	1.21				
Woodbury	33243				31270	3.2° 3.45				
Vorth	3116	3.29			3201			_		
Wright	6102	3.18	19380	67	<i>\$457</i>	J.2]	c #####			
State of love	841357	3.19	2687341	70196	7077	3.25	2538841	2746		

Food Stamps in Iowa's Counties:

1980-1990

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

The food stamp program provides food purchasing assistance to lowans with low income. The lowa Department of Human Services maintains information on the number of persons and households receiving food stamps each month. For this report, averages of both persons and households in the program were calculated for each year from 1980 through 1990; numbers from monthly reports were summed and divided by 12. Through this period, the federal government has made changes in the eligibility requirements for the food stamp program. Such changes have some effect on year-to-year comparisons.

Households Receiving Food Stamps

An average of 68,705 lowa households received food stamps each month in 1990 (Table 1). This was lower than most other years of the decade. More than 75,000 households received food stamps monthly from 1983 through 1987. The lowest monthly average (57,449) was in 1980.

Polk averaged 9,123 households receiving food stamps each month in 1990, 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 42% of lowa's average monthly food stamp households that year. Twenty counties had 500 to 1,999 households receiving food stamps, while 71 counties averaged 100 to 499 households monthly. Two counties (Ida, 92; Osceola, 90) had fewer than 100 households getting food stamps each month.

Between 1989 and 1990, the state's average number of households receiving food stamps increased by 1,775. Most counties (66) also averaged more households in the program in 1990 than in 1989. Five counties (Linn, Polk, Pottawattamie, Scott, Woodbury) increased by more than 100 households. Of the 30 counties with fewer households in the program in 1990 than in 1989, the largest decrease was in Black Hawk (-157); no other decline was greater than 50. Butler, Lyon, and Wayne had the same average numbers of households receiving food stamps both years.

A comparison of 1980 with 1990 indicates that lowa averaged 11,256 more households in the program at the end of the period than at the beginning. Likewise, 75 counties also had higher averages in 1990 than in 1980. Scott gained by an average of 2,084 households, the highest increase of any county. Clinton (+806), Black Hawk (+758), Polk (+653), and Wapello (+504) were the only other counties to increase by an average of 500 or more households. Thirty counties added 100 to 499 households, while 40 counties increased by fewer than 100 households. Twenty-two counties had fewer food stamp households in 1990 than in 1980. Clayton (-66) and Jasper (-62) were the only ones that decreased more than 50 households.

An examination of the 11 years of data reveals that the mid-decade marked the high point of household participation in the food stamp program for the state and for most of the counties as well. Iowa's average number of food stamp households in 1990, although higher than 1980, was significantly lower than the 1983-1987 period. Most of the counties followed the state trend. During the years from 1980 through 1983, a large majority of the counties showed annual increases in the average number of households in the food stamp program. Participation moderated somewhat in 1984, but then most of the counties increased in 1985 and 1986. These trends reversed after 1986. A large majority of the counties registered decreases in the number of households receiving food stamps through 1987, 1988, and 1989. But the 1990 figures indicate a return to increases in the state and most counties in these household numbers.

Table 1. Average Monthly Number of Households Receiving Food Stamps in lowa Counties, 1980-1990

County	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	178	166	170	192	215	215	198	202	161	140	117
Adams	140	131	143	180	176	157	99	96	78	88	91
Allamakee	222	229	268	304	337	316	298	289	280	263	261
Appanoose	664	704	<i>7</i> 27	747	800	793	797	793	652	536	527
Audubon	112	109	118	139	153	148	115	116	118	127	121
Benton	489	447	457	510	523	527	531	575	517	411	339
Black Hawk	5043	5200	5468	6119	6447	6108	6237	5998	5346	5112	4285
Boone	484	499	513	546	607	590	607	707	625	547	495
Bremer	313	304	352	438	499	458	410	379	350	314	249
Buchanan	536	546	600	706	749	719	689	701	545	507	405
Buena Vista	300	280	303	326	353	317	311	333	320	270	199
Butler	294	294	330	403	465	425	369	356	286	266	229
Calhoun	233	224	246	293	307	279	240	247	233	226	229
Carroll	347	361	345	389	399	390	348	351	336	301	271
Cass	312	298	287	318	358	362	336	336	327	342	301
Cedar	305	297	308	351	360	334	300	307	307	275	275
Cerro Gordo	1224	1174	1165	1249	1296	1173	1131	1267	1188	1149	1039
Cherok ee	201	205	226	268	287	260	245	252	233	218	210
Chickasaw	218	219	260	347	372	343	313	303	240	229	189
Clarke	252	230	253	279	292	274	251	268	253	203	180
Clay	413	405	434	499	524	500	453	461	413	398	356
Clayton	315	344	374	431	505	504	488	545	464	425	381
Clinton	1682	1587	1604	1803	1922	1949	1762	1649	1340	1023	876
Crawford	394	376	379	374	385	362	359	384	332	288	265
Dallas	550	539	533	595	653	664	646	642	527	478	434
Davis	247	268	289	319	318	301	293	299	235	207	197
Decatur	365	349	354	349	365	344	327	319	283	271	262
Delaware	376	395	437	539	603	587	533	546	457	441	396
Des Moines	1310	1272	1249	1285	1347	1378	1392	1448	1346	1291	1156
Dickinson	240	241	241	242	243	254	264	287	265	254	245
Dubuque	1867	1917	2089	2439	2643	2652	2746	2896	2382	2055	1715
Emme t	324	285	277	303	343	321	279	319	285	243	227
Fayette	565	568	614	690	752	741	687	691	548	455	397
Floyd	459	443	457	515	523	518	507	562	483	427	408
Franklin	227	213	214	234	246	223	220	237	221	205	189
Fremont	209	215	210	218	217	208	191	180	157	164	170
Greene	200	190	198	218	248	272	260	267	252	229	213
Grundy	148	156	149	166	177	182	170	186	140	134	115
Guthrie	228	244	278	309	322	300	274	290	280	266	254
Hamilton	326	316	348	367	354	336	324	348	346	372	367
Hancock	222	198	206	232	244	207	177	222	212	188	190
Hardin	391	385	413	434	430	363	317	333	333	308	274
Harrison	416	412	427	433	429	446	441	446	398	365	363
Henry	385	347	328	324	343	356	352	373	324	303	296
Howard	220	229	234	285	328	304	289	282	217	303 214	221
Humboldt	228	221	233	242	240	238	201	200	185	217	190
Ida	92	87	94	109	123	109	98	107	106	93	95
I owa	151	136	147	180	185	180	146	169	168		141
Jackson	519	529	585	655	701	650	606	597	506	145	380
•		626	667	-	701	UJU	200	27/	סטכ	412	300

Table 1. Average Monthly Number of Households Receiving Food Stamps in Iowa Counties, 1980-1990 (continued).

County	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Jefferson	484	463	435	442	437	451	466	457	428	368	331
Johnson	998	946	917	934	943	917	937	1010	999	940	781
jones	321	348	372	420	447	440	431	462	410	395	324
Keokuk	330	299	295	322	356	308	281	287	239	234	217
Kossuth	304	294	302	347	355	316	263	298	294	279	256
Lee	1268	1232	1295	1434	1484	1458	1477	1561	1393	1238	1026
Linn	4029	3927	4083	4614	4850	4842	5023	5236	4737	4307	3541
Louisa	275	258	282	311	336	318	324	331	283	265	268
Lucas	316	313	331	361	377	389	38 0	386	367	334	316
Lyon	135	135	150	181	191	187	163	161	141	128	113
Madison	210	217	214	239	260	261	253	261	232	201	182
Mahaska	662	632	611	676	748	726	<i>7</i> 23	764	678	616	547
Marion	519	498	532	608	646	625	658	678	548	485	452
Marshall	1038	1014	1039	1112	1136	1072	1093	1131	1019	850	723
Mills	280	241	251	267	261	246	250	256	250	224	206
Mitchell	156	165	186	197	217	212	201	231	205	190	164
Monona	304	302	307	352	384	349	325	329	314	278	278
Monroe	306	329	358	365	385	336	308	308	266	228	206
Montgomery	266	263	256	278	292	304	282	296	266	243	217
Muscatine	1183	1119	1141	1292	1320	1277	1174	1189	1068	989	988
O'Brien	180	174	220	272	289	256	247	249	214	203	188
Osceola	90	95	105	133	157	136	100	96	79	68	70
	494	480	493	518	541	532	492	495	434	412	382
Page	255	241	493 254	302	318	319	292	315	304	278	261
Palo Alto		276	318	362	401	384	345	349	325	310	276
Plymouth	255	141	148	189	208	178	166	169	154	145	140
Pocahontas	178				9753	9996	10506	11634	10432	9663	8470
Polk	9123	8726	8739	9156		2252	2340	2580	2525	2524	2373
Pottawattamie	2520	2344	2259	2218	2197	378	2340 347	340	299	279	239
Poweshiek	307	262	287	336	379		203	187	165	151	148
Ringgold	176	177	193	208	194	215	203 243	228	218	186	168
Sac	197	203	197	222	244	234	5512	5573	4802	3865	3319
Scott	5403	5172	5306	5668	5665	5543		223	202	179	170
Shelby	189	161	174	212	217	222	222	301	277	257	261
Sioux	254	280	286	337	375	312	286				
Story	874	821	773	830	831	875	890	935	819	740 758	659 341
Tame	335	321	344	397	406	382	375	387	339	358 185	188
Taylor	188	176	184	223	243	251	231	232	199		
Union	436	421	403	440	472	478	453	421	347	342	301 174
Van Buren	198	194	212	231	240	234	233	232	191	166	
Wapello	1668	1686	1767	1981	2007	1768	1706	1740	1428	1294	1164
Warren	603	568	563	583	604	614	596	611	523	508	456
Washington	343	319	331	350	347	299	257	236	243	241	227
Wayne	223	223	241	268	293	305	282	280	236	203	204
Webster	1478	1456	1442	1587	1589	1438	1411	1442	1296	1177	1048
Winnebago	187	167	160	181	191	179	325	194	183	184	170
Winneshiek	273	284	326	383	429	410	371	369	336	345	282
Woodbury	2847	2729	2889	3313	3283	3259	3268	3146	2940	2861	2698
Worth	180	164	175	195	196	184	184	200	181	170	154
Wright	296	2 69	285	316	360	353	326	333	300	311	304
							76577	79269	70647	64638	57449

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Table 2. Average Monthly Number of Persons Receiving Food Stamps in Iowa Counties, 1980-1990.

County	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	447	399	427	539	644	667	587	592	469	403	344
Adams	379	340	376	522	522	460	282	274	197	222	241
Allamakee	560	594	722	841	965	888	832	813	785	721	724
Appanoose	1677	1753	1870	2006	2211	2211	2263	2311	1944	1591	1542
Audubon	323	308	342	428	479	457	330	334	313	332	302
Benton	1269	1139	1166	1363	1408	1405	1454	1582	1421	1104	901
Black Hawk	11989	12398	13194	15165	16031	15262	15476	14359	12272	11236	10016
Boone	1196	1246	1301	1417	1559	1530	1580	1859	1639	1382	1256
Bremer	<i>7</i> 79	760	934	1258	1514	1365	1214	1116	970	841	630
Buchanan	1434	1473	1709	2081	2329	2200	2062	2071	1582	1387	1103
Buena Vista	795	766	813	913	999	874	885	940	929	739	547
Butler	789	793	906	1147	1331	1206	1038	1019	803	718	603
Calhoun	585	566	639	807	862	742	595	617	577	565	553
Carroll	869	894	851	1030	1124	1090	944	931	902	803	699
Cass	830	781	755	876	992	986	851	891	859	887	741
Cedar	783	764	804	943	971	903	823	856	819	692	696
Cerro Gordo	2821	2678	2707	2935	3123	2877	2810	3186	2915	2772	2558
Cherokee	523	509	552	693	768	683	622	646	580	506	483
Chickasaw	571	590	717	982	1102	1017	937	930	699	610	497
Clarke	678	618	713	808	847	803	727	771	733	561	511
Clay	978	970	1036	1238	1338	1309	1187	1188	1068	992	861
Clayton	853	936	1022	1237	1481	1465	1399	1548	1274	1101	983
Clinton	4089	3935	4003	4492	5013	5158	4688	4549	3664	2720	2413
Crawford	1021	942	975	1024	1047	985	968	1049	870	704	618
Dallas	1400	1345	1366	1582	1806	1882	1790	1839	1480	1290	1162
Davis	617	680	790	912	958	907	896	923	692	582	551
Decatur	8 50	833	883	900	978	909	858	838	761	708	648
Delaware	984	1074	1240	1595	1837	1754	1530	1597	1324	1227	1112
Des Moines	3348	3215	3142	3321	3547	3658	3666	3919			
Dickinson	570	636	642	642	650	684	694	39 19 774	3550 708	3396	3025
Dubuque	4528	4705	5214	6217	6867	7048	7311			630 5170	579
Emmet	810	770	777	897	1027	946	840	7728 957	6174	5139	4383
Fayette	1495	1529	1684	1960	2223	2137			793	649	625
Floyd	1216	1173					1833	1984	1510	1170	977
Franklin	592	550	1214 552	1432 625	1542 703	1553 599	1500	1715	1445	1243	1158
Fremont	544	564	554	590	617	587	590	665	603	545	495
Greene	511	475	500	582			544	529	449	443	449
Grundy	384	388	374	457	677	740 507	699	735 527	674	601	552
Guthrie	595	630	720		489	507	477	526	388	342	292
Hamilton	789	764		868	930	883	811	870	802	726	631
Hancock	631	538	858 577	954	960	880	829	932	906	951	933
Hardin	975		573	669	730	620	516	681	632	536	569
Harrison	1129	951 1124	1056 1130	1109	1127	954	841	885	862	784	645
Henry	990	1124 88 9	1120	1187	1207	1258	1229	1268	1122	945	906
Howard	535		820 507	851 774	954	1027	996	1062	896	820	796
noward Humbeldt		556 504	593 507	774	918	841	782	761	550	472	486
numberer Ida	527 222	506	597	660	679	668	579	575	501	548	477
	222	215	248	308	353	305	269	281	292	231	236
lowa lankan	403	352	389	489	540	51 9	408	467	472	394	355
Jackson	1416	1443	1643	1961	2194	1970	1860	1834	1501	1150	1073
jasper	1515	1501	1632	1912	2197	2229	2329	2594	2431	2175	1829

Table 2. Average Monthly Number of Persons Receiving Food Stamps in Iowa Counties, 1980-1990 (continued).

County	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Jefferson	1096	1045	1004	1849	1119	1117	1154	1195	1125	912	839
Johnson	2263	2110	2078	2105	2131	2071	2040	2217	2132	1999	1705
Jones	830	905	994	1184	1315	1257	1214	1316	1188	1049	914
Keokuk	906	853	855	960	1081	944	843	845	699	672	614
Kossuth	790	758	806	998	1061	909	741	857	816	757	643
Lee	3118	3076	3215	3572	3777	3772	3868	4087	3579	3050	2648
Linn	9451	9170	9800	11065	11717	11746	12203	12961	11584	10263	8603
Louisa	745	709	752	857	957	918	965	968	812	759	741
Lucas	738	726	773	876	988	1038	1026	1064	955	833	803
Lyon	411	412	446	560	627	597	515	515	458	375	291
-, Madison	554	576	553	651	742	<i>7</i> 32	712	766	667	543	468
Mahaska	1632	1578	1546	1813	2013	1974	1942	2088	1833	1599	1428
Marion	1344	1314	1442	1668	1838	1791	1865	1945	1562	1348	1292
Marshall	2483	2403	2498	2771	2794	2695	2804	2856	2522	2153	1875
Mills	757	657	717	800	796	767	771	845	783	682	594
Mitchell	387	406	478	527	578	584	539	659	606	535	457
Monona	819	809	806	961	1092	966	902	956	921	743	712
Monroe	787	820	919	965	1061	908	844	849	705	569	524
	652	634	610	691	738	791	718	766	695	612	539
Montgomery	3262	3069	3102	3531	3602	3502	3225	3278	2915	2624	2672
Muscatine	443	421	557	733	812	720	716	691	539	480	426
O'Brien	230	248	281	733 395	509	444	306	305	245	204	200
Osceola				1329	1436	1426	1309	1396	1194	1036	920
Page	1233	1247	1246		883	873	786	877	828	735	701
Palo Alto	626	590	620	795		1133	994	993	911	864	740
Plymouth	706	761	896	1056	1232		471	515	454	406	390
Pocahontas	423	353	386	532	609	525		29432	26502	24427	21586
Polk	22267	21124	21199	22402	23914	24702	26324	7407	7137	6905	6432
Pottawattamie	6682	6181	5962	6029	6124	6264	6554	972	819	742	637
Powesh i ek	775	657	736	901	1055	1073	934		423	377	372
Ringgold	467	468	542	608	559	623	553	511		377 451	400
Sac	559	548	529	632	715	677	685	651	597		9150
Scott	14041	13471	13856	14735	14917	14735	14656	14678	12579	10217	
Shelby	532	443	503	632	665	636	618	614	541	446	433
Sioux	770	858	885	1084	1205	1001	897	935	846	733	742
Story	1907	1837	1812	2039	2029	2108	2140	2308	2016	1799	1597
Tama	876	825	923	1144	1210	1151	1141	1170	1014	1018	936
Taylor	548	518	529	652	759	776	702	698	591	532	547
Union	1100	1065	1039	1160	1251	1276	1221	1137	899	880	<i>7</i> 57
Van Buren	544	526	611	669	724	707	723	733	594	512	507
Wapello	3935	39 67	4376	5039	5224	4472	4419	4541	3700	3337	2980
Warren	1485	1428	1446	1546	1685	1741	1683	1724	1472	1410	1229
Washington	908	886	928	989	1005	875	<i>7</i> 51	680	675	641	577
Wayne	631	599	699	753	819	847	799	750	662	547	545
Webster	3492	3462	3502	3914	4088	3790	3703	3884	3477	3122	2805
Winnebago	476	400	389	460	505	460	442	493	477	476	430
Winneshiek	704	747	875	1060	1220	1147	987	963	843	857	746
Woodbury	7646	7229	7728	9053	8842	8785	8840	8759	8049	7597	7145
Worth	407	354	401	484	521	476	499	557	515	477	425
Wright	733	622	643	766	873	859	806	860	779	793	792
							202907			165373	148268

Table 3. Average Monthly Percentage of All Residents Receiving Food Stamps in Iowa Counties, 1980-1990.

County	1990	1989*	1988	1987	1986	1985	1984	1983	1982	1981	198
Adair	5.3	4.7	5.0	6.3	7.4	7.4	6.3	6.4	5.0	4.2	3.
Adams	7.8	7.0	7.1	9.7	9.9	8.4	5.0	4.9	3.5	3.9	4.
it Lamakee	4.0	4.3	4.8	5.6	6.4	5.8	5.4	5.3	5.2	4.8	4.
ppanoose	12.2	12.8	13.1	14.0	15.5	15.1	15.3	15.4	12.8	10.3	9.
udubon	4.4	4.2	4.5	5.6	6.1	5.6	3.9	4.0	3.7	3.9	3.
lenton	5.7	5.1	5.1	6.0	6.2	6.1	6.3	6.8	6.1	4.7	3.
Black Hawk	9.7	10.0	10.6	12.1	12.6	11.6	11-4	10.5	8.9	8.1	7.
Boone	4.7	4.9	5.1	5.6	6.1	5.9	6.1	7.1	6.3	5.3	4.
3remer	3.4	3.3	4.0	5.4	6.4	5.6	4.9	4.5	3.9	3.4	2
Buchanan	6.9	7.1	7.8	9.6	10.7	9.8	9.0	8.9	6.8	6.0	4
Buena Vista	4.0	3.8	4.0	4.5	4.9	4.2	4.2	4.5	4.5	3.5	2
Butler	5.0	5.0	5.6	7.0	8.0	7.1	6.0	5.9	4.6	4.1	3.
Cathoun	5.1	4.9	5.3	6.7	7.1	5.9	4.6	4.7	4.3	4.2	4.
Carroll	4.1	4.2	3.8	4.6	5.0	4.8	4.1	4.1	4.0	3.5	3
Cass	5.5	5.2	4.9	5.6	6.2	5.9	5.0	5.2	5.1	5.2	4.
Cedar	4.5	4.4	4.4	5.2	5.3	4.8	4.4	4.5	4.4	3.7	3
Cerro Gordo	6.0	5.7	5.6	6.1	6.4	5.9	5.8	6.6	6.0	5.7	5
Cherokee	3.7	3.6	3.8	4.7	5.1	4.4	3.9	4.0	3.6	3.1	3
Chickasaw	4.3	4.4	5.0	6.8	7.4	6.7	6.1	6.0	4.5	3.9	3
Clarke	8.2	7.5	8.1	9.3	9.8	9.3	8.3	8.8	8.2	6.5	5
Clay	5.6	5.5	5.9	7.0	7.4	7.0	6.2	6.1	5.5	5.1	4
Clayton	4.5	4.9	5.1	6.1	7.3	7.0	6.6	7.3	6.1	5.2	4
Clinton	8.0	7.7	7.6	8.5	9.4	9.4	8.5	8.1	6.5	4.8	4
Crawford	6.1	5.6	5.3	5.6	5.7	5.2	5.0	5.4	4.6	3.7	3
Dallas	4.7	4.5	4.5	5.3	6.1	6.3	6.0	6.2	5.0	4.4	3
Davis	7.4	8.2	9.1	10.4	10.8	10.1	9.8	10.1	7.6	6.3	6
Decatur	10.2	10.0	10.3	10.3	11.0	10.0	9.2	8.9	7.8	7.2	6
Delaware	5.5	6.0	6.7	8.5	9.8	9.1	7.9	8.4	7,0	6.5	5
Des Moines	7.9	7.5	7.1	7.5	8.0	8.2	8.1	8.7	7.8	7.3	6
Dickinson	3.8	4.3	4.2	4.3	4.3	4.4	4.5	5.0	4.6	4.0	3
Dubuque	5.2	5.4	5.7	6.9	7.6	7.7	7.9	8.4	6.6	5 .5	4
Emmet	7.0	6.7	6.7	7.7	8.7	7.6	6.6	7.5	6.1	4.9	4
føyette	6.8	7.0	7.5	8.6	9.5	8.8	7.4	7.9	6,0	4.6	3
Floyd	7.1	6.9	6.7	7.9	8.4	8.1	7.8	8.8	7.5	6.4	5
Franklin	5.2	4.8	4.7	5.2	5.7	4.8	4.6	5.2	4.7	4.2	3
Fremont	6.6	6.9	6.3	6.6	6.9	6.5	5.9	5.7	4.9	4.8	4
Greene	5.1	4.7	4.7	5.3	6.1	6.4	6.0	6.2	5.7	5.0	4
Grundy	3.2	3.2	2.9	3.6	3.7	3.7	3.5	3.8	2.7	2.4	2
Guthrie	5.4	5.8	6.5	7.9	8.2	7.7	7.0	7,6	6.9	6.1	5
Hamilton	4.9	4.8	5.1	5.6	5.6	5.1	4.8	5.3	5.1	5.3	5
Hancock	5.0	4.3	4.3	5.1	5.5	4.5	3.7	5.0	4.6	3.9	4
Hardin	5.1	5.0	5.3	5.5	5.4	4.5	3.9	4.1	4.0	3.6	3
Harrison	7.7	7.6	7.0	7.5	7.6	7.9	7.6	7.8	6.9	5.8	5
Henry	5.1	4.6	4.4	4.5	5.1	5.6	5.4	5.7	4.8	4.4	4
Howard	5.5	5.7	5.6	7.3	8.6	7.7	7.0	6.9	5.0	4.3	4
Humbol dt	4.9	4.7	5.3	5.8	5.9	5.6	4.8	4.8	4.1	4.5	3
Ida	2.7	2.6	2.9	3.6	4.0	3.4	3.0	3.2	3.3	2.6	4
Lowa	2.8	2.4	2.6	3.3	3.6	3.4	2.7	3.1	3,1	2.6	:
Jackson	7.1	7.2	7.6	9.0	10.0	8.8	8.3	8.2	6.7	5.1	4
Jasper	4.4	4.3	4.5	5.3	6.1	6.2	6.5	7.2	6.7	6.0	!

^{*1989} percentages were calculated with 1990 population counts; 1989 population estimates were not available.

Table 3. Average Monthly Percentage of All Residents Receiving Food Stamps in Iowa Counties, 1980-1990 (continued).

County	1990	1989*	1988	1987	1986	1985	1984	1983	1982	1981	1980
jefferson	6.7	6.4	6.0	11.2	6.8	6.8	7.0	7.3	6.9	5.7	5.1
Johnson	2.4	2.2	2.4	2.5	2.5	2.4	2.4	2.6	2.6	2.4	2.1
Jones	4.3	4.7	5.0	6.0	6.6	6.2	5.9	6.5	5.9	5.1	4.5
Keokuk	7.8	7.3	7.1	8.0	8.9	7.6	6.7	6.7	5.5	5.3	4.8
Kossuth	4.2	4.1	4.1	5.0	5.3	4.3	3.5	4.0	3.8	3.5	2.9
Lee	8.1	8.0	8.0	8.8	9.2	9.1	9.2	9.6	8.4	7.1	6.1
Linn	5.6	5.4	5.7	6.5	7.0	7.0	7.2	7.7	6.9	6.1	5.1
Louisa	6.4	6.1	6.3	7.2	8.0	7.6	8.0	8.0	6.7	6.2	6.1
Lucas	8.1	8.0	8.1	9.1	10.2	10.4	10.1	10.4	9.2	8.1	7.8
Lyon	3.4	3.4	3.7	4.6	5.1	4.7	4.0	4.0	3.6	2.9	2.3
Madison	4.4	4.6	4.4	5.2	6.0	5.9	5.7	6.2	5.3	4.3	3.7
Mahaska	7.6	7.3	6.9	8.2	9.0	8.8	8.6	9.3	8.1	7.0	6.2
Marion	4.5	4.4	4.8	5.6	6.2	6.0	6.2	6.5	5.2	4.5	4.4
Marshall	6.5	6.3	6.3	7.0	6.9	6.6	6.7	6.8	6.0	5.1	4.5
Mills	5.7	5.0	5.3	6.1	6.0	5.7	5.7	6.3	5.8	5.1	4.4
Mitchell	3.5	3.7	4.2	4.6	5.0	5.0	4.5	5.4	5.0	4.4	3.7
Monona	8.2	8.1	7.7	9.2	10.3	8.9	8.0	8.3	8.1	6.4	6.1
Monroe	9.7	10.1	10.9	11.5	12.5	10.3	9.6	9.4	7.8	6.3	5.7
Montgomery	5.4	5.3	5.0	5.7	5.9	6.1	5.4	5.8	5.3	4.6	4.0
Muscatine	8.2	7.7	7.5	8.6	8.7	8.5	7.7	7.9	7.0	6.4	6.6
O'Brien	2.9	2.7	3.6	4.7	5.1	4.4	4.3	4.1	3.2	2.8	2.5
Osceola	3.2	3.4	3.7	5.1	6.5	5.5	3.7	3.7	3.0	2.5	2.4
Page	7.3	7.4	7.3	7.7	8.2	7.9	7.1	7.5	6.4	5.5	4.8
Palo Alto	5.9	5.5	5.6	7.1	7.7	7.2	6.4	7.0	6.6	5.8	5.5
Plymouth	3.0	3.3	3.7	4.4	5.1	4.7	4.1	4.1	3.7	3.5	3.0
Pocahontas	4.4	3.7	3.7	5.1	5.7	4.7	4.2	4.6	4.1	3.6	3.4
Polk	6.8	6.5	6.5	7.0	7.6	7.9	8.4	9.5	8.6	8.0	7.1
Pottawattamie	8.1	7.5	6.8	6.9	7.0	7.1	7.4	8.5	8.2	7.9	7.4
Poweshiek	4.1	3.5	3.9	4.8	5.6	5.7	5.0	5.1	4.3	3.8	3.3
Ringgold	8.6	8.6	10.0	11.3	10.2	10.7	9.2	8.5	6.9	6.2	6.1
Sac	4.5	4.4	4.2	5.0	5.5	5.1	5.1	4.8	4.3	3.2	2.8
Scott	9.3	8.9	8.9	9.5	9.5	9.3	9.2	9.2	7.8	6.3	5.7
Shelby	4.0	3.3	3.6	4.5	4.6	4.3	4.1	4.1	3.6	3.0	2.9
Sioux	2.6	2.9	2.9	3.6	4.0	3.2	2.9	3.0	2.8	2.4	2.4
Story	2.6	2.5	2.5	2.9	2.8	2.9	2.9	3.2	2.8	2.5	2.7
Tame	5.0	4.7	5.0	6.2	6.4	6.0	5.9	6.0	5.2	5.4	4.8
Taylor	7.7	7.3	7.0	8.6	9.9	9.7	8.6	8.4	7.0	6.3	6.6
Union	8.6	8.4	8.1	8.9	9.5	9.6	9.0	8.2	6.5	6.3	5.9
Van Buren	7.1	6.9	7.5	8.2	8.8	8.4	8.5	8.5	6.9	5.9	5.9
Wapello	11.0	11.1	12.0	13.6	13.8	11.5	11.2	11.5	9.3	8.3	7.4
	4.1	4.0	3.9	4.2	4.7	4.9	4.7	4.9	4.2	4.0	3.
Warren Washington	4.6	4.5	4.6	5.0	5.0	4.4	3.7	3.4	3.3	3.2	2.
•	8.9	8.5	9.8	10.3	11.1	11.1	10.2	9.5	8.3	6.7	6.
Wayne Ushakan	8.7	8.6	8.4	9.3	9.7	8.7	8.4	8.7	7.7	6.8	6.
Webster		3.3	3.1	3.7	4.0	3.6	3.4	3.9	3.8	3.8	3.
Winnebago	3.9	3.6	4.0	4.9	5.6	5.2	4.4	4.3	3.8	3.9	3.
Winneshiek	3.4 7.8	7.4	7.8	9.3	9.0	8.8	8.8	8.7	8.0	7.5	7.
Woodbury	7.8 5.1	4.4	4.7	5.7	5.9	5.3	5.5	6.2	5.7	5.2	4.
Worth Wright	5.1	4.4	4.4	5.2	5.8	5.5	5.0	5.4	4.9	4.9	4.
State of Iowa	6.2	6.0	6.2	7.0	7.4	7.1	7.0	7.3	6.4	5.7	5.

Persons Receiving Food Stamps

In 1990, Iowa had an average of 171,980 persons receiving food stamps each month (Table 2). More than 200,000 persons were in the program, on average, each month from 1983 through 1986. The lowest monthly average of the decade was 148,268 in 1980.

Polk averaged more monthly food stamp recipients (22,267) in 1990 than any other county. Five other counties (Black Hawk, 11,989; Linn, 9,451; Pottawattamie, 6,682; Scott, 14,041; Woodbury, 7,646) had more than 5,000 persons receiving food stamps monthly that year. Twenty-eight counties averaged from 1,000 to 4,999 recipients monthly, 51 counties ranged from 500 to 999 persons, with the remaining 14 counties averaging fewer than 500. Ida (222) and Osceola (230) had the lowest average number of persons in the program of any of the counties in 1990.

The average number of persons receiving food stamps in the state was 4,565 higher in 1990 than in 1989. Sixty-eight counties followed this trend as well, with more persons in the program in the later year. The largest increases were in Polk (+1,143), Scott (+570), and Pottawattamie (+501). Black Hawk (-409) led the 31 counties that decreased between the two years. Dubuque (-177) was the only other county to average at least 100 fewer food stamp recipients in 1990 than 1989.

Comparing the first and last years of the period, lowa had an average of 23,712 more persons in the food stamp program in 1990 than 1980. Eighty counties also followed this trend. Scott (+4,891), Black Hawk (+1,973), and Clinton (+1,676) were the only counties to gain more than 1,000. Forty-nine counties averaged from 100 to 999 more food stamp recipients, while 28 counties increased by fewer than 100 persons monthly. Jasper (-314) led the 19 counties with fewer average recipients in 1990 than 1980.

A review of the entire period indicates, once again, that the highest food stamp usage was in the mid-years of the decade. A majority of counties, as well as the state, showed consistent increases in the average number of persons in the food stamp program during the years from 1980 to 1983. The averages moderated in 1984 but increased again in 1985 and 1986. The trend reversed and most counties decreased in the years 1987 through 1989, although gains again occurred in most counties from 1989 to 1990.

Percentage of the Population Receiving Food Stamps

An average of 6.2% of lowa's population received food stamps each month during 1990 (Table 3). The highest proportions of lowans receiving food stamps during the period occurred in 1983 (7.3%) and 1986 (7.4%).

In 1990, sixty-two counties averaged a lower percentage of residents receiving food stamps than did the state. Ida, Iowa, Johnson, O'Brien, Sioux, and Story each had less than 3% of its population in the food stamp program. Thirty-seven counties in 1990 had a higher proportion of residents receiving food stamps than the state total. Six counties (Appanoose, Black Hawk, Decatur, Monroe, Scott, Wapello) had more than 9.0% of their populations in the program with the highest percentage at 12.2% in Appanoose.

A majority of the counties (68) had a higher proportion of their population in the food stamp program in 1990 than in 1989. For 27 counties, the proportion of persons receiving food stamps was lower at the end of the period than the beginning. The percentage point increases and decreases were small, however, with none as great as 1.0%

For 88 counties, the percentage of residents in the program was higher in 1990 than in 1980. Increases of at least 2.0 percentage points occurred in 25 counties, with the greatest gain in Monroe (+4.0 percentage points).

In the years from 1983 through 1987, a larger percentage of lowans received food stamps than at either the beginning or the end of the decade. Comparing 1986 with both 1980 and 1990 illustrates the high level of food stamp use in lowa in the middle of the period. In 1980, for example, 15 counties had less than 3% of their population receiving food stamps. For 1990, there were six counties with this low level of participation. In contrast, in 1986, only two counties (Johnson, Story) were that low. At the other extreme, none of the counties had 10% or more of its residents receiving food stamps in 1980, although there were three counties at that level in 1990. In 1986, however, 12 counties had 10% or more of their population in the program. In that year, Appanoose county had 15.5% of its residents receiving food stamp assistance. That was the highest monthly average for any county during the decade.

Aid to Dependent Children

in Iowa's Counties: 1980-1990

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

The lowa Department of Human Services maintains information on the number of families and persons receiving assistance each month in the Aid to Dependent Children (ADC) program. To be eligible for the program, a family must have very low assets and income and have at least one dependent child. In lowa, both one- and two-parent families can qualify for ADC 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 ADC regulations that allow aid to families in which the main worker becomes unemployed.

For this report, calendar-year monthly averages were computed for cases and recipients in both the regular and unemployed-parent program. Although the current unemployed-parent program was begun in lowa in 1982, in this report the data for that program start with 1983, the first complete calendar year. 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. In addition, the Department of Human Services changed its method of reporting ADC recipients in 1987. The recipient averages reported for 1986 and earlier will be somewhat inflated when compared with the averages in 1987 and later years.

Regular ADC Cases and Recipients

lowa averaged more than 32,000 regular ADC cases monthly for each year from 1980 to 1990 (Table 1). The highest monthly average was 36,129 in 1981 followed by 35,518 in 1980. The 1990 average of 32,259 was 14 cases higher than the decade low, which occurred in 1989.

In 1990, four counties (Adams, Audubon, Ida, Osceola) averaged fewer than 40 cases each month. Six counties (Black Hawk, Linn, Polk, Pottawattamie, Scott, Woodbury) recorded an average higher than 1,000, with Polk's 4,919 the highest.

A comparison of 1980 and 1990 reveals that Iowa had 3,000 fewer regular cases at the end of the decade than at the beginning. Likewise, 84 counties had fewer cases in 1990 than in 1980. Pottawattamie's average caseload was down the most (-492) followed by Polk (-374) and Woodbury (-347). Four other counties (Black Hawk, Dubuque, Jasper, Linn) declined by more than 100. Forty-nine counties showed decreases of 20 through 88 cases with 28 counties dropping by less than 20. Twelve counties averaged more regular cases monthly in 1990 than in 1980. The largest increase was 476 in Scott followed by a gain of 191 in Clinton. The other 10 counties that increased averaged from 1 to 43 more cases monthly in 1990 than they had in 1980. Three counties (Clarke, Taylor, Winneshiek) averaged the same number of cases both years.

Most ADC cases serve more than one individual, of course. The average number of Iowans receiving benefits in the regular ADC program each month in 1990 was 88,573 (Table 2). Although this was an increase of over 1200 from 1989, it was lower than all but one previous year of the decade. Over 100,000 persons were in the program each month, on average, in both 1985 and 1986.

Polk county averaged 13,706 ADC recipients monthly in the regular program in 1990, the highest number for any county in the state. Other counties above 5,000 that year were Scott (8,899), Black Hawk (7,047), and Linn (5,128). These four counties alone accounted for 39.3% of lowa's average monthly regular ADC recipients. Two counties (Osceola, 87; Ida, 75) had an average number of recipients below 100.

Table 1. Average Monthly Number of Regular ADC Cases in Iowa Counties, 1980-1990.

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County	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	198
Adair	46	39	48	56	69	66	64	60	51	66	64
Adams	36	39	43	52	46	40	30	27	22	33	3!
Allamakee	72	79	87	93	105	108	110	109	126	145	144
Appanoose	300	322	326	301	301	307	328	328	304	306	300
Audubon	36	33	37	43	47	47	37	37	40	55	59
Benton	225	199	209	231	217	207	207	197	198	206	182
Black Hawk	2550	2703	2743	2893	2972	2888	2907	2682	2538	2752	2728
Boone	209	229	239	251	263	260	262	275	269	285	285
Bremer	122	124	140	162	180	174	181	157	151	180	160
Buchanan	236	245	257	289	280	282	269	256	248	273	260
Buena Vista	127	130	144	151	166	153	150	146	149	172	162
Butler	122	115	121	121	128	131	120	118	98	123	124
Calhoun	79	93	100	106	99	93	98	95	97	119	114
Carroll	114	122	117	128	116	109	110	105	110	132	131
Cass	137	134	129	133	142	141	140	133	138	188	173
Cedar	122	118	115	128	116	118	105	110	126	151	160
Cerro Gordo	539	534	547	567	558	527	525	540	566	656	627
Cherokee	86	89	92	115	116	108	105	107	104	137	138
Chickasaw	80	90	89	106	106	98	98	94	74	93	101
Clarke	97	90	100	105	105	94	97	105	103	107	97
Clay	154	172	184	195	201	198	194	189	179	208	189
Clayton	102	119	124	121	132	134	139	141	140	153	159
linton	834	823	813	831	822	808	752	728	656	680	643
Crawford	162	162	162	163	169	154	156	156	132	147	166
allas	275	286	283	309	323	319	335	322	267	305	290
avis	100	101	99	94	88	99	98	89	83	86	84
ecatur	104	100	102	104	112	105	101	99	103	120	118
elaware	131	146	169	178	177	167	159	155	156	181	171
es Moines	674	652	652	679	698	724	699	663	645	741	657
ickinson	91	107	112	113	109	114	119	126	122	140	147
)ubuque	769	804	865	918	963	971	1011	996	936	968	890
imme t	115	117	125	146	153	142	128	127	131	147	146
ayette	203	201	200	206	213	213	213	208	198	227	227
loyd	200	209	196	214	214	202	208	208	207	225	210
ranklin	84	92	90	89	92	82	85	83	85	110	126
remont	84	95	96	97	98	95	84	78	72	96	102
ireene	82	83	92	92	106	93	94	94	94	117	112
irundy	63	60	57	60	58	65	64	68	59	76	73
athrie	93	99	110	121	105	105	100	97	96	116	127
amilton	117	123	138	156	138	131	152	157	153	171	175
ancock	80	82	82	82	78	78	81	81	83	101	101
ardin	165	162	172	171	168	160	171	171	175	202	194
arrison	150	156	168	170	161	176	183	179	168	202	224
enry	165	165	157	144	156	170	174	174	152	172	177
oward	54	67	64	71	78	78	81	73	58	69	72
umboldt	65	75	94	95	73 91	86	72	73 72	77	104	102
da	29	35	42	50	49	46	33	72 36			
OMB	73	64	71	8 0	76	46 71	33 63	56 68	36 65	43 70	46
ackson	220	215	234	249	76 244	241	242			79 212	82
asper	291	300	319	249 359	400	415	242 403	242 401	223 387	212 4 38	203 408

Table 1. Average Monthly Number of Regular ADC Cases in Iowa Counties, 1980-1990 (continued).

County	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Jefferson	169	166	151	166	148	149	154	171	172	185	195
Johnson	455	449	464	483	476	452	449	427	419	500	469
Jones	145	159	184	198	208	197	191	183	189	207	193
Keokuk	137	139	126	126	119	102	95	91	83	106	106
Kossuth	116	101	108	110	110	99	94	110	121	151	152
Lee	663	640	659	709	707	685	692	692	648	690	633
Linn	1924	1917	2017	2208	2281	2272	2299	2232	2117	2212	2100
Louisa	135	132	145	157	155	150	153	148	145	167	182
Lucas	122	123	128	132	143	143	147	137	136	143	159
Lyon	42	45	52	49	48	49	50	47	46	52	49
Madison	95	103	103	104	105	98	99	100	88	100	105
Mahaska	274	277	274	296	299	279	279	272	258	308	309
Marion	230	228	228	252	258	262	276	272	247	288	297
Marshall	455	452	444	458	438	418	447	424	421	473	485
Mills	137	137	144	149	138	142	134	127	127	167	171
Mitchell	48	54	62	59	61	57	57	59	52	59	63
Monona	125	117	129	130	134	119	117	117	124	134	136
Monroe	123	130	139	131	131	123	108	108	101	108	104
Montgomery	124	118	118	140	151	144	137	134	129	142	147
Muscatine	615	618	619	669	688	666	626	600	577	614	604
O'Brien	65	68	83	89	85	78	75	78	69	93	95
Osceola	28	32	32	32	40	37	34	32	30	36	46
Page	208	220	222	218	223	222	212	212	186	222	222
Palo Alto	68	71	75	77	92	101	93	97	96	113	122
Plymouth	98	110	111	118	124	124	121	119	105	140	144
Pocahontas	60	51	55	60	61	71	69	66	65	76	73
Polk	4919	4717	4805	4850	5013	5159	5288	5240	4955	5458	5293
	1393	1354	1398	1417	1410	1431	1488	1542	1556	1860	1885
Pottawattamie			131	1417	152	150	147	144	133	149	141
Poweshiek	131	120	63	62	57	63	56	54	52	61	63
Ringgold	56	64	ა 76	<i>7</i> 8	85	87	96	92	89	98	95
Sac	78	81				3008	2985	2875	2606	2700	2647
Scott	3123	3071	3134	3163	3111	3008 84	83	81	2006 79	2700 86	82
Shelby	75	67	80	84	80		88	96	90	103	122
Sioux	78	94	92	91	86	88					
Story	335	331	338	379	361	322	296	272	241	294	303
Tame	170	171	188	198	185	181	178	177	179	222	227
Taylor	93	85	86	101	107	103	102	85	74	89	93
Union	191	207	205	216	225	199	202	185	175	198	199
Van Buren	71	72	77	82	82	81	86	83	78	90	95
Wapello	664	69 3	710	737	731	691	697	642	590	670	665
Warren	287	280	274	306	316	321	326	316	293	353	333
Washington	149	134	149	163	152	147	146	128	142	159	161
Wayne	81	81	77	80	86	95	99	94	92	102	103
Webster	650	633	648	694	685	656	672	658	644	720	728
Winnebago	71	58	50	58	64	67	61	72	72	94	91
Winneshiek	85	84	96	103	111	102	101	96	92	97	85
Woodbury	1665	1635	1716	1770	1783	1786	1811	1775	1732	1987	2012
Worth	55	51	59	76	74	69	67	67	74	79	79
Wright	118	117	121	125	139	137	134	134	126	164	172
	32259	32245	33198	34677	35119	34650	34752	33923	32363	36129	35518

Table 2. Average Monthly Number of Regular ADC Recipients in Iowa Counties, 1980-1990.

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County	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	133	103	129	158	209	201	202	174	138	174	183
Adams	115	118	132	156	141	126	92	81	64	91	99
Allamakee	204	221	241	252	299	310	302	280	323	389	405
Appanoose	801	847	888	832	938	929	989	948	901	881	878
Audubon	108	100	106	113	131	135	106	107	112	153	162
Benton	642	542	566	612	630	591	586	533	529	553	506
Black Hawk	7047	7328	7425	7720	8619	8343	7947	6899	6511	6909	6971
Boone	5 3 6	576	609	644	708	732	728	752	732	748	749
8remer	316	322	3 <i>7</i> 3	428	542	497	497	418	393	447	416
Buchanan	634	659	696	<i>7</i> 56	801	826	771	718	675	710	725
Buena Vista	328	325	367	374	474	444	426	403	415	464	433
Butler	335	322	338	339	384	378	328	304	251	303	338
Calhoun	232	279	279	289	294	263	265	256	258	314	305
Carroll	317	324	307	324	331	302	303	280	297	355	353
Cass	373	369	342	349	397	393	377	366	379	502	463
Cedar	336	315	305	338	323	333	277	301	351	397	419
Cerro Gordo	1449	1416	1429	1461	1593	1500	1443	1416	1487	1713	1647
Cherok ee	231	237	248	310	345	315	297	281	271	354	373
Chickasaw	214	234	239	286	298	280	269	248	196	233	264
Clarke	282	263	293	298	309	278	281	292	294	301	273
Clay	406	442	456	484	560	556	520	485	452	533	472
Clayton	304	328	347	344	395	399	407	396	387	423	450
Clinton	2226	2191	2128	2115	2310	2266	2057	1932	1784	1775	1673
Crawford	441	438	435	413	456	418	408	413	361	391	447
Dallas	741	776	766	827	945	934	946	890	746	822	773
Davis	270	271	273	255	259	301	292	252	237	249	237
Decatur	264	257	280	277	304	294	275	276	299	358	344
Delaware	386	414	487	508	546	531	503	453	449	516	484
Des Moines	1893	1799	1790	1810	2012	2092	1956	1816	1780	2013	1814
Dickinson	237	287	303	290	305	331	325	355	354	385	395
Dubuque	2090	2161	2313	2432	2865	2875	2901	2777	2604	2691	2470
Emme t	319	329	355	401	459	426	370	362	359	400	407
Fayette	573	549	533	556	610	615	620	580	550	609	602
Floyd	531	551	512	551	618	575	577	570	570	605	552
Franklin	217	250	243	234	280	228	223	219	228	298	348
Fremont	233	253	261	264	288	280	252	231	205	265	289
Greene	220	217	248	246	304	265	256	251	250	313	305
Grundy	174	154	153	160	177	195	183	188	160	192	194
Authrie	260	277	318	352	314	317	294	290	289	340	371
lamilton	296	323	373	408	379	354	412	419	412	454	460
fancock	201	208	212	215	233	222	222	228	223	284	287
lardin	407	397	440	444	481	443	449	450	487	553	
larrison .	409	428	456	461	472	518	517	509	472		516 E05
lenry	432	445	414	359	439	484	471	463	413	533 448	595 478
loward	154	180	170	193	232	230	221	201			478
lumboldt	170	198	243	238	245	241	199	193	158 207	188 262	205 259
de	75	95	117	137	141	131	97	193	20 <i>1</i> 98		
	180	159	187	204				174		110	121
OMB											
owa lackson	574	563	618	653	213 711	191 705	162 707	671	174 621	205 576	210 564

Table 2. Average Monthly Number of Regular ADC Recipients in Iowa Counties, 1980-1990 (continued).

County	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Jefferson	448	418	378	429	437	433	433	448	455	463	499
Johnson	1187	1138	1186	1192	1359	1246	1187	1070	1028	1209	1142
Jones	390	434	502	533	585	541	522	457	486	529	503
Keokuk	380	405	369	352	360	316	298	258	220	284	273
Kossuth	298	257	277	282	320	296	275	309	340	423	423
Lee	1830	1746	1806	1895	2028	1944	1950	1931	1808	1838	1729
Linn	5128	5067	5308	5716	6610	6538	6308	5811	5643	5804	5553
Louisa	385	364	398	421	472	449	456	428	412	469	512
Lucas	320	317	341	368	427	421	438	397	389	413	465
Lyon	131	126	143	134	145	142	147	131	124	140	133
Madison	262	287	279	265	299	262	257	263	241	267	273
Mahask a	718	716	714	759	858	801	776	<i>7</i> 30	696	812	819
Marion	620	621	613	667	753	766	772	775	691	787	810
Marshall	1238	1222	1199	1201	1351	1272	1249	1099	1127	1265	1324
Mills	370	371	398	419	419	441	395	362	378	497	478
Mitchell	118	133	159	146	154	143	140	152	146	156	160
Monona	332	319	351	358	397	348	323	321	345	362	367
Monroe	347	355	373	347	362	342	308	303	286	297	286
Montgomery	337	308	302	358	406	387	362	354	350	370	396
• •	1734	1721	1697	1797	1946	1896	1710	1623	1571	1634	1611
Muscatine O'Brien	175	184	229	237	255	224	202	200	184	248	249
	87	94	90	رے 88	120	113	89	92	82	98	122
Osceola -						602	5 <i>7</i> 3	560	500	580	582
Page	573	592	582	581	627	294	254	259	275	311	338
Palo Alto	200	200	215	206	273		321	319	287	382	379
Plymouth	257	293	304	305	359	330			188	219	207
Pocahontas	148	132	150	158	165	192	203	191		15084	14704
Polk	13706	12858	12992	12814	14463	14672	14794	14345	13703		
Pottawattamie	3860	3695	3788	3759	4015	4099	4152	4260	4320	5130	5213
Powesh i ek	366	326	360	378	419	425	398	386	357	392	377
Ringgold	145	170	175	171	158	188	167	151	143	170	169
Sac	217	215	193	192	235	244	254	236	232	262	248
Scott	8899	8640	8759	8647	9447	8962	8569	7946	7240	7425	7330
Shelby	200	179	218	220	219	241	232	222	222	238	211
Sioux	223	264	267	264	262	273	253	280	277	282	335
Story	882	861	877	943	976	883	779	707	650	791	812
Tame	461	448	484	519	507	499	501	475	489	598	600
Taylor	265	239	242	276	332	306	294	236	206	252	251
Union	529	578	559	597	658	585	565	501	480	532	522
Van Buren	213	196	213	220	243	234	247	235	225	257	279
Wapello	1772	1847	1897	1941	2091	1987	2003	1773	1593	1754	1713
Warren	734	723	718	801	894	919	872	819	788	918	852
Wash ington	410	380	427	445	454	428	437	354	371	402	402
Wayne	239	232	226	219	251	275	273	262	257	274	280
Webster	1752	1676	1727	1824	1973	1857	1867	1777	1775	1951	2019
Winnebago	195	160	135	148	203	206	169	182	185	250	232
Winneshiek	230	229	261	276	346	323	305	258	244	269	223
Woodbury	4739	4564	4772	4789	5315	5353	5184	4922	4753	5424	5536
Worth	148	140	157	197	227	202	197	191	208	217	211
Wright	322	316	318	339	403	389	381	365	348	443	472
			89702	91994		100033	97240	91979	88259	97126	96020

Table 3. Average Monthly Number of Unemployed-Parent ADC Cases in Iowa Counties, 1983-1990.

County	1990	1989	1988	1987	1986	1985	1984	1983
Adair	1	1	5	7	10	8	6	6
Adams	5	5	6	8	9	8	7	6
Allamakee	3	5	6	9	17	18	14	10
Appanoose	33	31	51	67	83	92	87	65
Audubon	3	3	5	6	7	7	3	2
Benton	10	13	20	25	27	38	42	37
Black Hawk	140	179	275	432	511	464	426	203
Boone	13	24	31	37	45	43	43	29
Bremer	16	12	23	39	44	44	40	30
Buchanan	25	33	57	89	111	103	83	65
Buena Vista	9	10	13	24	31	20	13	14
Butler	19	21	28	39	44	43	38	24
Calhoun	7	4	11	19	24	20	15	10
Carroll	6	6	5	9	12	13	17	15
Cass	9	5	8	20	27	29	17	11
Cedar	18	20	28	33	38	29	25	28
Cerro Gordo	28	23	35	48	74	59	49	60
Cherokee	2	1	4	7	8	8	10	6
Chickasaw	7	6	13	26	30	30	26	15
Clarke	10	7	11	21	25	25	14	19
Clay	8	5	12	23	32	32	20	20
Clayton	6	9	15	20	27	24	18	22
Clinton	67	71	95	157	216	229	191	142
Crawford	11	11	8	12	11	12	7	10
Dallas	14	14	16	37	47	44	35	24
Davis	9	13	19	33	34	36	35	30
Decatur	7	8	9	13	20	16	15	15
Delaware	15	24	34	49	62	59	49	45
Des Moines	45	40	33	56	83	83	76	76
Dickinson	5	9	8	12	11	11	9	10
Dubuqu e	<i>7</i> 5	89	125	196	236	249	246	205
Emmet	10	11	13	22	28	22	18	15
Fayette	25	30	43	63	72	58	50	39
Floyd	20	18	30	46	61	49	40	33
Franklin	10	12	7	8	9	13	14	14
Fremont	3	5	5	9	17	17	12	8
Greene	7	5	9	13	20	22	21	13
Grundy	7	9	12	16	19	11	14	8
Guthrie	6	8	12	18	23	19	26	20
Hamilton	12	8	10	21	29	22	19	17
Hancock	5	2	6	14	17	15	7	11
Hardin	8	10	15	17	19	23	17	15
Marrison	14	8	14	17	19	17	25	23
Henry	18	13	15	23	26	38	32	28
Howard	7	4	4	8	11	17	17	17
Humboldt	11	6	6	12	18	17	10	13
Ida	0	0	1	2	4	1	2	2
lowa	4	2	3	9	15	14	10	13
Jackson	28	39	61	83	112	100	89	68
Jasper	22	19	26	41	51	49	59	00

Table 3. Average Monthly Number of Unemployed-Parent ADC Cases in Iowa Counties, 1983-1990 (continued).

County	1990	1989	1988	1987	1986	1985	1984	1983
Jefferson	22	19	22	26	36	35	35	27
Johnson	17	13	17	27	30	24	18	20
Jones	12	12	16	20	33	33	32	33
Keokuk	19	17	21	31	36	32	24	19
Kossuth	12	10	10	14	16	16	14	12
Lee	45	46	62	82	99	116	117	87
Linn	114	109	183	282	336	326	303	264
Louisa	17	18	15	24	34	41	44	27
Lucas	13	14	17	20	28	30	31	28
Lyon	0	2	4	8	8	10	8	10
Madison	4	7	5	14	18	20	20	19
Mahaska	31	20	24	37	48	45	42	46
Marion	22	22	3 6	51	66	48	49	48
Marshall	32	25	38	64	74	67	66	44
Mills	12	8	13	22	20	24	10	14
Mitchell	2	2	6	7	7	8	9	7
Monona	11	11	16	26	30	28	27	21
Monroe	10	15	26	32	41	33	25	23
Montgomery	7	6	10	13	20	24	10	9
Muscatine	79	77	96	121	132	112	94	62
O'Brien	1	1	3	11	14	11	12	9
Osceola	2	2	3	4	8	9	7	4
Page	16	21	26	35	46	38	30	29
Palo Alto	5	4	7	16	24	24	18	17
Plymouth	3	6	13	14	19	16	11	10
Pocahontas	8	5	3	8	14	12	11	6
Polk	137	135	148	225	283	287	285	298
Pottawattamie	45	35	35	49	68	69	68	75
Poweshiek	8	8	13	26	39	34	28	27
Ringgold	4	7	13	18	18	18	14	14
Sac	4	5	6	7	11	12	10	10
Scott	181	196	249	356	395	410	364	206
Shelby	8	4	6	9	15	12	9	7
Sioux	4	3	4	8	15	10	5	4
Story	15	11	15	31	32	35	25	23
Tame	9	6	8	19	28	29	26	20
Taylor	9	10	11	11	15	20	15	17
Union	11	13	17	25	32	38	29	24
Van Buren	8	9	12	17	20	28	23	20
Wapello	78	83	126	185	179	133	117	107
Warren	19	18	24	34	43	52	58	49
Washington 	10	10	20	22	27	26	16	11
Wayne	8	10	14	19	22	22	23	18
Webster	47	46	45	93	115	99	94	66
Winnebago	5	5	7	10	15	11	6	11
Winneshiek	10	11	20	28 ~~	27	28	25	22
Hoodbury	47	37	50	95 40	122	106	102	99
Worth Wright	7 7	6 3	6 5	10 14	12 19	14 17	13 14	12 12
m gill								

Table 4. Average Monthly Number of Unemployed-Parent ADC Recipients in Iowa Counties, 1983-1990.

County	1990	1989	1988	1987	1986	1985	1984	1983
Adair	5	8	25	26	50	36	25	21
Adams	25	21	27	32	40	33	28	22
Allamakee	12	21	22	38	82	82	61	37
Appanoose	137	128	199	255	377	396	366	244
Audubon	12	11	23	31	40	34	12	6
Benton	44	56	86	99	127	200	185	130
Black Hawk	601	746	1126	1707	2308	2127	1768	621
Boone	54	109	146	166	207	192	184	103
Bremer	70	51	94	156	213	218	183	104
Buchanan	111	143	253	382	515	472	353	245
Buena Vista	33	39	52	95	163	101	52	45
Butler	70	80	110	154	194	177	159	89
Cathoun	32	17	46	81	117	90	66	41
Carroll	24	25	16	31	52	54	64	50
Cass	37	18	37	83	117	119	63	35
Cedar	80	85	112	126	157	119	105	108
Cerro Gordo	117	95	140	180	315	259	191	214
Cherokee	9	6	17	28	40	37	45	19
Chickasaw	27	21	56	102	133	141	119	53
Clarke	45	30	45	84	105	109	58	63
Clay	30	19	45	93	149	134	78	74
Clayton	23	39	59	77	122	114	71	76
Clinton	277	286	385	624	940	997	790	524
Crawford	45	41	33	41	50	53	29	36
Dallas	57	57	62	145	202	178	135	81
Davis	38	50	77	130	156	156	149	114
Decatur	27	29	38	55	90	66	63	54
Delaware	69	109	146	205	285	264	228	171
Des Moines	191	170	138	218	387	393	333	300
Dickinson	22	38	37	52	54	50	38	35
Dubuque	331	390	570	838	1072	1139	1099	780
Emmet	48	48	60	91	156	126	88	66
Fayette	104	125	181	261	347	292	227	141
Floyd	79	76	127	191	276	243	183	128
Franklin	41	46	27	31	40	56	53	48
Fremont	12	20	21	33	65	70	51	33
Greene	28	23	37	55	90	98	87	54
Grundy	28	38	46	64	80	43	52	25
Guthrie	25	31	46	73	109	93	119	83
Hamilton	51	35	46	79	127	93	77	65
Hancock	22	11	23	57	72	66	26	37
Hardin	35	43	65	69	80	97	77	56
Harrison	60	30	50	65	88	81	113	89
Henry	71	58	63	90	110	176	133	96
Howard	27	14	15	31	61	84	70	68
Humboldt	50	24	25	49	75	71	39	48
Ida	1	0	4	9	18	4	7	6
I oue	17	10	13	40	88	65	41	44
Jackson	122	170	269	347	498	451	379	240
Jasper	92	76	105	156	212	205	228	233

Table 4. Average Monthly Number of Unemployed-Parent ADC Recipients in Iowa Counties, 1983-1990 (continued).

County	1990	1989	1988	1987	1986	1985	1984	1983
Jefferson	91	79	93	100	155	156	148	99
Johnson	72	49	68	%	164	139	73	73
Jones	52	48	64	79	154	164	135	107
Keokuk	81	71	85	128	174	143	104	69
Kossuth	54	46	37	58	79	70	56	41
Lee	180	186	256	327	446	517	481	321
Linn	497	455	782	1099	1540	1507	1254	882
Louisa	69	76	64	97	162	178	185	99
Lucas	50	53	66	82	130	135	136	94
Lyon	0	7	18	34	35	46	37	43
Madison	17	30	24	56	77	84	81	71
Mahaska	128	81	91	130	219	203	160	159
Marion	80	87	149	205	293	211	197	178
Marshall	135	105	158	258	382	362	272	156
Mills	47	32	59	89	93	106	48	53
Mitchell	9	11	27	27	32	36	39	26
Monona	46	47	67	105	129	115	122	83
Monroe	38	58	100	120	169	146	103	85
Montgomery	28	23	41	54	83	103	42	29
Muscatine	344	323	402	517	595	513	406	235
O'Brien	5	7	17	48	68	52	47	31
Osceola	9	6	13	20	42	41	31	16
Page	64	86	99	135	196	163	132	113
Palo Alto	24	18	28	66	125	123	77	60
Plymouth	14	26	53	58	85	72	46	33
Pocahontas	34	25	13	35	63	51	46	24
Polk	619	598	629	892	1246	1271	1225	1122
Pottawattamie	206	150	154	193	291	297	276	269
Poweshiek	34	35	59	110	207	172	121	98
Ringgold	19	30	51	69	90	89	52	51
Sac	15	21	25	26	53	53	45	39
Scott	813	845	1052	1458	1785	1841	1569	792
Shelby	34	13	24	35	61	51	38	24
•	17	20	28	49	77	50	19	13
Sioux	60	45	56	109	125	142	96	76
Story	38	27	31	70	127	131	109	75
Tems	30 40	36	45	48	81	98	56	55
Taylor		56	4 ,7 69	101	167	178	126	85
Union	45 70	56 40	57 57	71	97	133	104	74
Van Buren	38		514	708	787	589	486	384
Wapello	315	334		134	195	230	228	168
Warren	82	75 (0	95 87	134 82	126	110	61	44
Washington	39	40	87 57	62 72	101	97	93	64
Wayne	32	41	54		487	426	377	22
Webster	216	190	180	367 76	467 65	4 20	22	43
Winnebago	18	18	28	36 114	127	117	94	7. 77
Winneshiek	42	47	88	114		531	439	380
Woodbury	213	155	220	389 37	636 55	58	439 51	39
Worth	30	27	25	37 50	55 70			
Wright	30	13	20	58		70 	57	

lowa had 7,400 fewer persons receiving regular ADC each month, on average, in 1990 than in 1980. Seventy-nine counties followed the state trend, showing fewer average recipients at the end of the period than at the beginning. Pottawattamie (-1,353), Polk (-998), and Woodbury (-797) had the largest declines. Twenty counties averaged more recipients when the first and last years were compared. Scott (1,569) and Clinton (553) increased the most, with Benton (136), Muscatine (123), Keokuk (107), and Lee (101) also adding more than 100 regular recipients.

Unemployed-Parent ADC Cases and Recipients

lowa averaged 2,033 unemployed-parent ADC cases each month in 1990 (Table 3). The 1990 average was the lowest of any year of the period and less than half that from 1984 through 1987, when lowa averaged more than 4,000 such cases.

Nearly half (45) of the counties averaged fewer than 10 unemployed-parent cases each month in 1990. Adair and O'Brien averaged only 1 case each; Ida and Lyon averaged no cases of this type in 1990. Fifty counties had from 10 to 79 unemployed-parent cases. The highest monthly averages were in four counties (Black Hawk, Linn, Polk, Scott) with more than 100 each; Scott's was highest at 181.

lowa's unemployed-parent case average was lower by 1,691 in 1990 than it was in 1983. Nearly all the counties (91) also had declines when comparing the first and last years. Dubuque, Linn, and Polk had decreases of 100 or more cases. Five counties did have an increase over the period. Audubon, Crawford, and Shelby averaged one unemployed-parent case higher, Pocahontas two, and Muscatine was 17 cases higher at the end of the period. Keokuk, Kossuth, and Sioux had the same average cases both years.

The average monthly number of ADC recipients in the unemployed-parent program was 8,724 in 1990, slightly higher than the decade's low figure in 1989 (Table 4). The average for 1987 was nearly double the 1990 figure; those for 1985 and 1986 were over 23,000 and 24,000, respectively.

Scott county had the highest monthly average (813) of unemployed-parent recipients in 1990, followed by Polk (619), Black Hawk (601), and Linn (497). Sixteen other counties averaged more than 100 recipients. Of the remaining 79 counties, 23 averaged between 50 and 99 recipients, 39 counties had from 20 to 49 recipients monthly, and 17 counties averaged fewer than 20 recipients. The counties with the lowest average of unemployed-parent recipients were Adair and O'Brien (5), Ida (1), and Lyon (0).

lowa averaged 4,749 fewer persons per month receiving unemployed-parent ADC benefits in 1990 than in 1983. Most counties (86) followed the state trend, with the largest decreases in Polk (-503), Dubuque (-449), Linn (-385), and Clinton (-247). Of the thirteen counties with more unemployed-parent recipients in 1990 than in 1983, Muscatine (109) increased significantly more than the others. Gains in the other 12 counties were 21 or less.

Founded Child Abuse in Iowa's Counties:

1982-1988

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

Information on child abuse is compiled by the Iowa Department of Human Services. The department, among many other duties, investigates reported or suspected cases of child abuse. A case is classified as founded child abuse if the investigation results in a determination that child abuse, as legally defined in Chapter 232.68 of the Iowa Code, occurred. Physical abuse, sexual abuse, denial of critical care, or any combination of these categories is included.

For this report, the number of children involved in founded abuse cases was summed for each year. The same child may be counted more than once if he or she was involved in more than one founded incident during the year. In mid-1987, the Department of Human Services made some changes in the method of reporting child abuse information. These changes will have some effect on comparisons of 1987 and 1988 with earlier years.

In 1988, 7,483 children were determined to be abused in Iowa (Table 1). That number was higher than the totals reported for all previous years. Abuse was noted in 1,565 more cases in 1988 than in 1987, an increase of 26.4%

Polk had 1,518 children with founded abuse in 1988, the highest number reported among the state's 99 counties. Polk's total accounted for 20.3% of the abused children in lowa that year. Three other counties (Black Hawk, 482; Linn, 476; Scott, 423) had more than 400 children abused. Fifteen counties had between 100 and 399 abused children, nine counties ranged from 50 to 99, while 64 counties reported 10 to 49 children abused. For seven counties (Adair, Humboldt, Kossuth, Lucas, Monroe, Ringgold, Wayne), the number of abused children in 1988 was under 10.

Sixty-six counties had more abused children in 1988 than in 1987. For many of these counties, the differences between the two years were small; in 26 of these 66, for example, the gains were less than 10. For four counties (Black Hawk, +114; Linn, +105; Polk, +329; Woodbury, +149), the increases were more substantial, however. Five others (Boone, Dubuque, Jasper, Scott, Story) registered from 50 to 99 more abused children in 1988 than in 1987. Thirty-two counties had fewer children with founded abuse in 1988 than in 1987. From one to nine fewer abused children were recorded for 23 counties, while nine counties experienced decreases of 10 or more. Declines in Pottawattamie (-25), Fayette (-24), Jackson (-24), and Winneshiek (-24) were the highest. Carroll had the same number of abused children in 1987 and 1988.

Table 1. Number of Children in Founded Cases of Child Abuse in Iowa Counties, 1982-1988.

County	1988	1987	1986	1985	1984	1983	1982
Adair	3	10	13	20	14	12	12
Adams	11	4	6	6	5	7	4
Allamakee	20	17	26	16	13	19	16
Appanoose	18	15	25	8	35	42	56
Audubon	17	24	7	5	23	15	6
Benton	46	39	40	30	27	27	7
Black Hawk	482	368	437	324	307	296	226
Boone	113	46	39	65	107	56	22
Bremer	29	19	30	23	26	13	11
Buchanan	54	40	59	49	21	· 16	17
Buena Vista	34	20	29	27	82	11	23
Butler	32	10	11	16	11	13	10
Calhoun	20	13	5	18	20	4	12
Carroll	41	41	9	27	21	25	17
Cass	37	29	18	23	27	31	37
Cedar	24	16	24	29	32	24	9
Cerro Gordo	130	87	102	69	83	96	83
Cherok ee	18	9	16	25	26	23	12
Chickasaw	16	17	19	25	14	6	9
Clarke	29	13	10	22	7	8	11
Clay	65	41	50	38	38	19	26
Clayton	33	38	18	42	28	34	15
Clinton	128	127	119	140	154	102	102
Crawford	41	19	23	18	33	26	32
Dallas	74	85	64	42	58	47	50
Davis	17	14	7	20	18	12	10
Decatur	24	13	23	16	17	21	9
Delaware	68	55	47	37	85	43	31
Des Moines	91	98	127	108	119	79	46
Dickinson	22	31	24	16	12	17	11
Dripridine	178	106	106	176	162	102	65
Emme t	32	18	31	16	17	22	17
fayette	38	62	46	53	48	46	14
Floyd	36	42	29	30	13	23	22
Franklin	22	10	10	19	14	16	7
Fremont	26	10	6	8	3	17	13
Greene	15	21	25	18	29	7	6
Grundy	11	9	6	6	2	10	15
Guthrie	17	24	14	18	23	6	20
Hamilton	34	27	26	24	31	23	25
lancock	13	16	24	13	17	7	6
lardin	41	27	34	32	22	24	28
larrison	61	44	42	28	36	34	37
lenry	42	33	36	39	39	51	27
loward	14	12	16	19	17	22	13
lumbol dt	7	10	13	13	32	21	20
ida	10	2	3	3	3	9	6
OWA	23	17	18	11	14	9	1
lackson	34	58	41	43	41	31	29
iasper	131	80	159	209	171	35	42

Table 1. Number of Children in Founded Cases of Child Abuse in Iowa Counties, 1982-1988 (continued).

County	1988	1987	1986	1985	1984	1983	1982
Jefferson	21	17	29	20	23	39	46
Johnson	110	89	98	80	68	82	69
Jones	39	32	49	45	65	57	21
Keokuk	17	8	9	22	29	11	21
Kossuth	5	15	14	10	24	21	16
Lee	111	121	146	190	182	139	43
Lim	476	371	434	405	492	3 57	286
Louisa	28	12	21	24	20	14	11
Lucas	5	8	7	16	12	16	18
Lyon	12	13	4	13	9	10	8
ladison	26	30	23	21	13	8	12
Mahaska	31	29	28	37	41	30	29
Marion	120	79	119	92	60	64	25
Marshall	135	112	116	88	86	81	54
Mills	55	28	22	21	16	20	20
Mitchell	13	12	14	1	4	1	1
Monona	13	16	7	16	17	6	3
Monroe	6	7	12	9	5	10	7
Montgomery	20	37	21	11	20	36	12
Muscatine	138	91	85	129	141	137	130
O'Brien	17	7	13	12	3	18	13
Osceola	12	1	10	14	3	5	8
Page	50	22	19	13	39	25	42
Palo Alto	23	17	25	21	34	15	
Plymouth	27	2 9	15	23	28	13	12
Pocahontas	19	21	16	7	27	1	17
Polk	1518	1189	1271	1093	1122	8 60	543
Pottawattamie	265	290	339	372	316	332	174
Poweshiek	28	31	37	16	27	39	1
Ringgold	4	8	13	13	7	6	-
	21	17	9	27	12	7	•
Sac	423	342	397	425	543	451	234
Scott	18	342 11	10	4	11	19	1:
Shelby	19	31	10	16	16	20	1
Sioux				70	29	59	2:
Story	134	63	86 53		24	22	3
Tame	66	51	52	27 9	24 11	22 8	
Taylor	21	7	10		51	35	1,
Union	45	31	44	60	19	22	2
Van Buren	13	4	8	11			14
Wapello	106	94	93	115	124	134	5
Warren	142	94	99	111	99	64	
Washington	34	24	16	21	16	24	**
lisyne	1	3	8	7	7	9	47
Webster	131	102	109	130	161	129	13:
Wi mebago	21	25	9	15	15	14	1
Virmeshiek	23	47	9	16	17	37	2
Woodbury	357	208	222	259	169	182	11
Worth	11	7	7	5	7	9	
Vright	14	21	30	20	23	30	1
County Not Reported	17	8	16	14	5	12	1
							

Children in Foster Care

in Iowa's Counties: 1982-1990

Willis Goudy, Iowa State University Sandra Charvat Burke, Iowa State University Catherine Huberty, 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, which ranged from 3,019 in 1983 to 3,844 (1990) in the state (Table 1). A decrease in the number of cases occurred from 1982 to 1983, although they increased each year from then through 1990.

Seven counties (Black Hawk, Dubuque, Linn, Polk, Pottawattamie, Scott, Woodbury) averaged at least 100 children in foster care in 1990; all of these except Dubuque had more than 100 in foster care each year. Twenty-five counties reported less than 10 under such care in 1990; 10 counties (Adams, Calhoun, Davis, Fremont, Grundy, Lyon, Osceola, Ringgold, Taylor, Wayne) never had as many as 10 in foster care in any of the years examined. Fifty-seven counties averaged 10 to 49 children in foster care in 1990, while 10 reported 50 to 99 children in this type of care.

When averages for 1982 and 1990 are compared, 62 counties had more children in foster care at the end of the period than at the beginning. Polk (+161) and Woodbury (+181) had the only increases greater than 30. Twenty-three counties noted increases of 10 to 30 foster care children. Declines in the average number in foster care occurred in 32 counties, although only two were greater than 20 (Kossuth, -24; Pottawattamie, -21). Five counties (Chickasaw, Crawford, Fremont, Guthrie, Taylor) had the same number in foster care in 1982 and 1990.

Table 1. Average Monthly Number of Children in Foster Care in Iowa Counties, 1982-1990.

County	1990	1989	1988	1987	1986	1985	1984	1983	1982
Adair	5	6	6	11	9	3	4	4	4
Adams	3	2	2	1	0	1	1	2	1
Allamakee	11	9	9	4	4	4	8	8	9
Appanoose	24	22	21	19	14	14	12	11	14
Audubon	11	11	12	7	5	7	12	15	12
Benton	26	23	18	18	16	13	12	11	16
Black Hawk	236	237	217	201	181	184	177	182	208
Boone	41	42	31	31	25	24	20	20	19
Bremer	15	15	15	9	7	6	4	7	6
Buchanan	16	16	17	23	12	10	8	9	9
Buena Vista	36	34	28	25	19	21	14	11	18
Butler	12	10	10	13	9	8	11	14	10
Cathoun	4	5	2	2	3	4	5	6	8
Carroll	26	27	29	23	27	21	18	17	16
Cass	19	13	13	17	18	23	17	9	10
Cedar	15	10	14	11	8	13	10	10	10
Cerro Gordo	70	75	88	87	84	83	81	87	85
Cherokee	19	22	16	15	17	14	21	18	18
Chickasaw	9	9	10	11	11	9	9	9	9
Clarke	8	12	10	7	8	8	4	10	10
Clay	24	19	14	15	21	30	24	26	23
Clayton	9	9	8	7	6	6	7	8	10
Clinton	62	60	59	59	56	48	49	56	58
Crawford	18	18	17	20	19	14	12	15	18
Dallas	23	17	22	20	12	15	18	19	15
Davis	5	5	5	4	5	5	3	3	2
Decatur	11	10	8	7	5	7	9	11	9
Delaware	27	29	19	19	19	29	23	14	21
Des Moines	71	76	60	69	78	65	54	49	55
Dickinson	19	14	11	18	19	15	15	16	13
Dubuque	121	109	100	100	90	98	101	108	107
Emmet	18	16	14	17	16	16	13	12	15
fayette	15	12	15	14	11	11	11	15	19
Floyd	24	20	20	20	23	18	15	19	16
Franklin	11	7	6	6	12	9	9	10	10
Fremont	8	5	4	6	6	6	7	7	8
Greene	6	9	13	13	16	12	10	12	18
Grundy	8	7	4	2	2	3	3	4	9
Guthrie	7	7	4	7	10	9	6	5	7
lamilton	14	17	18	21	17	13	20	19	18
fancock	7	6	6	6	4	4	5	9	15
lardin	24	26	22	29	32	31	31	34	34
larrison	26	28	28	22	19	19	19	18	18
lenry	26	26	21	24	24	21	27	14	15
loward	1	2	3	7	7	6	5	8	10
lumbol dt	14	13	10	11	14	20	24	20	18
da	10	8	2	6	5	6	5	4	3
ONB	16	18	17	15	13	10	8	5	4
lackson	19	20	15	12	10	16	22	19	25
asper	45	52	46	44	38	32	24	25	24

Table 1. Average Monthly Number of Children in Foster Care in Iowa Counties, 1982-1990 (continued).

County	1990	1989	1988	1987	1986	1985	1984	1983	1982
Jefferson	18	15	19	18	18	12	17	17	12
Johnson	85	78	77	79	72	77	66	62	56
Jones	16	16	19	15	12	11	10	12	10
Keokuk	12	20	14	16	14	11	12	10	10
Kossuth	15	18	17	21	22	27	34	34	39
Lee	65	77	66	65	60	52	43	51	52
Linn	289	296	279	272	279	278	291	268	267
Louisa	14	9	6	8	9	11	9	10	9
Lucas	6	6	6	7	11	12	6	6	11
Lyon	6	6	5	5	5	2	2	2	8
Madison	6	12	10	7	6	3	2	2	3
Mahaska	51	40	40	37	32	26	24	14	21
Marion	32	37	35	30	29	19	16	19	16
Marshall	67	66	65	64	67	77	67	76	83
Mills	25	18	17	12	14	13	14	14	12
Mitchell	4	5	8	12	11	8	9	10	15
Monona	10	9	9	5	4	5	7	6	6
Monroe	11	10	7	8	8	6	6	5	4
Montgomery	21	20	14	13	8	9	9	7	11
Muscatine	49	51	48	52	44	35	30	39	37
O'Brien	14	12	9	9	5	10	10	11	11
Osceola	4	4	3	3	2	4	3	4	7
Page	20	20	25	29	27	21	18	22	29
Palo Alto	12	16	14	11	9	12	13	12	16
Plymouth	14	9	11	14	17	17	11	13	18
Pocahontas	10	12	10	7	7	6	10	11	12
Polk	476	476	491	477	445	383	336	299	315
Pottawattamie	107	136	149	154	158	158	160	145	128
Poweshiek	16	17	13	11	8	9	17	15	23
Ringgold	5	1	2	1	2	1	3	3	2
Sac	12	15	18	13	14	23	19	16	13
Scott	236	223	228	222	230	225	237	242	247
Shelby	5	6	7	8	8	9	10	19	14
Sioux	14	19	10	13	21	15	10	8	9
Story	49	47	54	70	77	66	60	53	56
Tame	31	36	25	12	12	14	12	20	24
Taylor	2	2	2	1	1	2	1	1	2
Union	32	26	17	17	16	13	10	10	12
Van Buren	7	5	5	6	5	11	10	8	6
Wapello	92	84	120	128	103	96	75	72	67
Warren	60	57	56	51	38	42	26	27	31
Wash ington	38	35	29	23	23	19	21	17	14
Wayne	6	4	2	3	5	2	3	5	3
Webster	83	68	62	62	61	75	81	78	76
Winnebago	13	12	9	8	11	13	9	11	10
Winneshiek	7	6	9	6	4	3	5	8	11
Woodbury	357	294	261	271	223	157	139	161	176
Worth	6	10	6	4	4	5	6	7	9
Wright	24	20	17	20	21	21	22	20	23
State of Iowa	3844	3740	3572	3555	3361	3185	3033	3019	3153

Public and Non-Public School Enrollment

in Iowa's Counties: 1980-1990

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

The lowa Department of Education gathers information on lowa'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 1980 and 1990, 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 1990, 482,171 students were enrolled in public schools in lowa (Table 1). This was nearly 51,600 fewer than the 533,756 reported in 1980. Declines occurred annually from 1980 through 1988, but slight gains took place from 1988 to 1989 and from 1989 to 1990. About 6,000 more public school students were counted in 1990 than at the low point in 1988.

Nine counties (Buena Vista, Carroll, Clarke, Dallas, Franklin, Henry, Ida, Johnson, Sloux) had more students in public schools in 1990 than 10 years earlier, although only two had at least 200 more (Henry, +397; Johnson, +474). Declines in the other 90 counties ranged from less than 200 in 21 counties to more than 1,000 in 12, although only four dropped by at least 2,000 students (Black Hawk, -3,078; Dubuque, -2,775; Linn, -4,876; Scott, -4,495).

Only one county (Henry, +10.5%) had at least 5% more public school students in 1990 than in 1980; gains in the other eight ranged from 1.3% to 4.5%. Fifteen counties decreased by less than 5% in the 1980s, although 55 dropped by at least 10%. Six (Chickasaw, Fayette, Floyd, Grundy, Jefferson, Worth) declined by 20% or more students from 1980 to 1990; five of these counties are in the northeastern section of the state.

Enrollment in Non-Public Schools

A total of 46,924 non-public school students were enrolled in 1990 (Table 2). This was down 5,580 from the 52,504 reported in 1980. In only one year in this period was there a slight increase; there were 180 more non-public school students in 1988 than in 1987.

Thirty counties had no students enrolled in non-public schools from 1980 through 1990 according to reports from the lowa 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 of the decade.

Table 1. Public School Enrollment in Iowa Counties, 1980-1990.

												1980-199	0 Change
County	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	Number	Percent
Adair	1188	1148	1149	1224	1222	1248	1249	1277	1258	1303	1364	-176	-12.9
Adams	773	767	819	816	792	804	791	<i>7</i> 76	835	842	900	-127	-14.1
Allamakee	2744	2770	2744	2798	2809	2882	2891	2982	3085	3098	3383	-639	-18.9
Appanoose	2502	2485	2542	2575	2532	2473	2542	2595	2636	2712	2798	-296	-10.6
Audubon	1211	1184	1201	1232	1266	1310	1327	1361	1387	1417	1499	-288	-19.2
Benton	4325	4297	4191	4233	4278	4306	4330	4439	4534	4735	4923	-598	-12.1
Black Hawk	18791	18710	18570	18819	18981	19539	20094	20722	21170	21248	21869	-3078	-14.1
Boone	3992	3934	3920	3874	3928	3948	3912	3956	3988	4129	4258	-266	-6.2
Bremer	5594	5675	5639	5718	5853	6021	6129	6154	6273	6455	6697	-1103	-16.5
Buchanan	3424	3353	3305	3270	3180	3273	3357	3423	3517	3616	3704	-280	-7.6
Buena Vista	33 12	3130	3095	3039	3191	3076	3077	3061	30 69	3140	3230	82	2.5
Butler	276 9	2741	2827	2790	2778	2846	2918	2994	3055	3193	3291	-522	-15.9
Calhoun	2460	2465	2324	2482	2520	2536	2580	2634	2659	2822	2913	-453	-15.6
Carrol l	3069	2926	2863	2688	2648	2653	2674	2710	2799	2808	2952	117	4.0
Cass	3236	3238	3162	3215	3200	3228	3248	3299	3347	3457	3566	-330	-9.3
Cedar	3671	3597	3589	3530	3518	3564	3677	3717	3799	3848	3981	-310	-7.8
Cerro Gordo	7320	7282	7344	7436	7301	7272	7294	7220	7212	7493	7721	-401	-5.2
Cherokee	2791	2767	2828	2899	2824	2873	29 22	2979	3025	3108	3216	-425	-13.2
Chickasaw	2367	2359	2388	2422	2477	2566	2613	2684	2771	2863	3061	-694	-22.7
Clarke	1722	1634	1702	1736	1664	1656	1600	1658	1643	1667	1694	28	1.7
Clay	3419	3392	3366	3249	3245	3349	3349	3359	3339	3402	3513	-94	-2.7
Clayton	3780	3785	3816	3789	3760	3876	3912	3950	4006	4067	4135	-355	-8.6
Clinton	9325	9359	9374	9385	9626	9816	9950	10265	10635	10963	11262	- 1937	-17.2
Crawford	3243	3279	3428	3498	3577	3640	3622	3636	3729	3752	3788	-545	-14.4
Dallas	6627	6417	6350	6355	6258	6249	6134	6113	6147	6358	6456	171	2.6
avis	1398	1365	1430	1440	1473	1492	1514	1534	1573	1600	1608	-210	-13.1
ecatur .	1480	1458	1457	1543	1553	1533	1558	1604	1655	1692	1687	-207	-12.3
elaware	3581	3453	3464	3427	3400	3394	3434	3680	3599	3679	3790	-209	-5.5
es Moines	7762	7750	7765	7820	7813	7762	7789	7805	8031	8253	8607	-845	-9.8
ickinson	2807	2804	2735	2741	2754	2789	2825	2819	2796	2832	2938	-131	-4.5
ubuque	11869	12019	12232	12814	13105	12408	12643	12941	13370	13855	14644	-2775	-18.9
mme t	2278	2324	2332	2308	2300	2369	2655	2516	2557	2657	2677	-399	-14.9
ayette	4449	4396	4412	4435	4509	4724	4853	5164	5256	5334	5665	-1216	-21.5
loyd	3174	3142	3211	3238	3253	3350	3510	3565	3719	3860	4004	-830	-20.7
ranklin	1985	1856	1762	1733	1808	1806	1819	1887	1865	1896	1945	40	2.1
remont	1688	1672	1671	1717	1736	1743	1804	1764	1752	1728	1769	-81	-4.6
ireene	1905	1887	1894	1841	1934	2019	2063	2023	2103	2223	2329	-424	-18.2
irundy	2223	2267	2314	2341	2418	2488	2571	2622	2716	2825	2855		
iuthrie	2477	2424	2434	2581	2575	2626	2660	2716	2725	2757	2885	-632	-22.1
lamilton	3099	3184	3056	3081	3055	3107	3176	3235	3318	3406	3539	-408	-14.1
lancock	2393	2352	2402	2390	2381	2404	2365	2424	2443	2537		-440	-12.4
ardin	3956	3956	3959	3787	4055	4086	4230	4362	4452		2583	-190	-7.4
arrison	3016	2926	3049	3074	3041	3105	3208	4 <i>3</i> 62 3232	3309	4532 3374	4786 3476	-830 -440	-17.3
enry	4161	3668	3618	3593	3637	3607	3585	3597	_		3476 376/	-460 307	-13.2
oward	2119	2063	2055	2045	2080	2103	2101	2223	3645 2284	3672 2334	3764 2470	397 -360	10.5
umboldt	1912	1899	1887	1927	1897	1967	1991	2027		2336	2479	-360 -437	-14.5
da	1580	1569	1525	1544	1489	1446	1395		2124	2234	2339	-427	-18.3
OMB	2828	2635	2587	2604	2639	2698		1423	1462	1446	1513	67	4.4
ackson	3621	3588	3655	3753			2651 300e	2719	2827	2953	3116	-288	-9.2
	-J-E 1	6338	رريب	6452	3730 6428	3809 6463	3998	4203 6598	4205	4321	4455	-834	-18.7

Table 1. Public School Enrollment in Iowa Counties, 1980-1990 (continued).

												1980-1990 Cha		
County	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	Number	Percen	
Jefferson	1977	1976	2020	2017	2036	2120	2246	2282	2349	2467	25%	-619	-23.8	
Johnson	11070	10953	11036	10553	10358	10298	10140	10183	10357	10381	10596	474	4.	
Jones	3214	3304	3279	3315	3367	3470	3517	3546	3637	3702	3950	-736	-18.	
Keokuk	2447	2436	2410	2429	2395	2451	2450	2402	2362	2480	2618	-171	-6.	
Kossuth	2702	2649	2561	2487	2583	2718	2754	2807	2883	2986	3183	-481	-15.	
Lee	6380	6287	6323	6535	6550	6532	6483	6607	6771	6815	7035	-655	-9.	
Linn	28410	28424	28743	28804	28960	29454	29960	30566	31391	32196	33286	-4876	-14.	
Louisa	2803	2852	2842	2838	2829	2824	2817	2918	2887	3041	3115	-312	-10.0	
Lucas	1574	1607	1587	1655	1647	1647	1678	1701	1733	1769	1832	- 258	-14.	
Lyon	2264	2276	2288	2318	2286	2239	2206	2227	2316	2379	2415	-151	-6.	
Madison	2813	2846	2857	2840	2836	2824	2835	2819	2810	2917	2972	- 159	-5.	
Mahaska	3294	3273	3241	3223	3259	3262	3323	3304	3280	3235	3314	- 20	-0.	
Marion	5424	5332	5387	5313	5266	5320	5382	5384	5385	5525	5634	-210	-3.	
Marshall	6816	6751	677 5	6947	6936	6959	7124	7358	7473	7655	8043	- 1227	- 15	
Mills	2577	25 73	2599	2641	2533	2612	2632	2621	2636	2626	2587	- 10	-0.	
Mitchell	1810	1807	1814	1836	1808	1780	1816	1831	1896	1987	2142	-332	- 15 .!	
Monona	1832	1825	1831	1841	1844	1879	1914	1930	2007	2095	2182	-350	-16.	
Monroe	1358	1364	1337	1367	1376	1410	1433	1457	1498	1518	1567	-209	-13.	
Montgomery	2165	2169	2230	2182	2212	2274	2253	2278	2241	2283	2309	-144	-6.7	
Muscatine	7689	7602	7449	7554	7585	7536	7508	7702	7775	7815	7937	-248	-3.	
O'Brien	2926	2835	2833	2804	2799	2804	2774	2807	2848	2910	2994	-68	-2.	
Osceol a	955	935	938	959	943	949	971	993	1012	1018	1153	- 198	-17.	
Page	3201	3208	3132	3156	3130	3169	3196	3162	3188	3243	3313	-112	-3.4	
Palo Alto	2048	2035	2070	2106	2001	2038	2087	2150	2220	2326	2465	-417	-16.	
Plymouth	4182	4081	4067	4047	3932	3894	3888	3865	3993	4057	4265	-83	-1.	
Pocahontas	1798	1668	1636	1663	1683	1722	1802	1844	1914	1951	2045	-247	-12.	
Polk	53727	52029	51474	51340	51072	51299	51062	51197	51834	53303	54885	-1158	-2.	
Pottawattamie	15931	15667	15638	15880	15914	15981	16054	16364	16551	17062	17599	- 16 68	-9.	
Powesh i ek	3011	3019	3088	3155	3098	3102	3153	3203	3318	3432	3517	-506	- 14 .	
Ringgold	1020	1059	1049	1003	975	1009	1065	1118	1090	1124	1141	-121	- 10.	
Sac	2478	2426	2379	2423	2371	2368	2381	2447	2518	2552	2654	-176	-6.	
Scott	27841	27703	27634	28112	28386	29035	30002	30567	30783	31522	32336	-4495	-13.9	
Shelby	2425	2349	2320	2328	2371	2451	2572	2621	2650	2778	2964	-539	-18.	
Sioux	4018	3895	3868	3816	3730	3737	3684	3750	3741	3835	3965	53	1.3	
Story	10166	9973	9828	9758	9513	9543	9502	9577	9638	9888	10252	- 86	-0.8	
Tame	3279	3354	3348	3378	3412	3460	3536	3586	3678	383 0	3988	-709	-17.8	
Taylor	1368	1410	1469	1503	1429	1493	1510	1494	1518	1548	1597	-229	-14.	
Union	2375	2452	2447	2463	2483	2494	2568	2574	2568	2598	2674	-299	-11.	
Van Buren	1419	1419	1441	1471	1487	1503	1531	1540	1570	1618	1686	-267	- 15 .	
Wape llo	6544	6537	6562	6795	6909	7121	7306	7313	7403	7556	7856	-1312	-16.	
Warren	7127	6941	7027	7144	6994	6955	6956	7048	7127	7264	7467	-340	-4.	
Washington	3455	3373	3392	3403	3411	3398	3447	3470	3548	3579	3702	-247	-6.	
Wayne	1247	1206	1201	1209	1237	1259	1307	1368	1396	1399	1414	-167	-11.	
Webster	6130	6093	6164	6138	6283	6278	6359	6457	6607	7029	7358	- 1228	-16.	
Winnebago	2901	2844	2766	2795	2771	2759	2744	2758	2751	2829	2975	-74	-2,	
Winneshiek	2663	2605	2647	2598	2590	2573	2540	2572	2704	2771	2882	-219	-7.	
Woodbury	17661	17618	17422	17485	17169	16984	16953	17146	17062	17401	17994	-333	-1.	
W orth	1137	1131	1183	1184	1246	1279	1296	1300	1351	1409	1429	-292	-20.	
Wright	2759	2745	2721	2870	2786	2876	2910	2960	2983	3075	3212	-453	-14.	
State of Iowa														

Table 2. Won-Public School Enrollment in Iowa Counties, 1980-1990.

County												1980-1990 Change		
	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	Number	Percent	
Adair	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		
Allamakee	187	183	199	192	207	219	214	217	215	190	185	2	1.1	
Appanoose	89	88	81	111	110	95	106	119	113	113	108	- 19	-17.6	
Audubon	0	0	0	0	0	0	0	0	0	0	0	0		
Benton	161	152	143	139	102	131	144	149	156	151	164	-3	-1.8	
Black Hawk	3832	3715	3806	3809	3754	3725	3827	3858	3776	3726	3781	51	1.3	
Boone	277	306	331	337	329	329	338	317	285	264	242	35	14.5	
Bremer	375	376	393	399	391	301	322	336	405	395	397	-22	-5.5	
Buchanan	252	260	311	315	340	375	390	422	446	448	430	-178	-41.4	
Buena Vista	335	295	325	353	356	348	367	365	364	358	372	-37	-9.9	
Butler	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	•••	
Carroll	1862	1884	1877	1959	1989	2013	2075	2138	2226	2331	2441	-579	-23.7	
Cass	0	0	0	0	0	0	0	0	0	0	0	0	•••	
Cedar	0	0	0	0	0	0	0	0	0	11	11	-11	-100.0	
Cerro Gordo	773	813	733	667	822	732	757	750	758	671	674	99	14.7	
Cherokee	0	0	0	0	0	0	0	0	0	0	0	0		
Chickasaw	166	177	190	175	187	195	206	222	220	238	240	-74	-30.8	
Clarke	0	0	0	0	0	0	0	0	0	0	0	0		
Clay	152	155	173	194	185	178	189	193	195	203	214	-62	-29.0	
Clayton	160	164	167	173	168	158	179	183	184	193	207	-47	-22.7	
Clinton	570	569	643	<i>7</i> 37	828	900	939	940	950	906	965	-395	-40.9	
Crawford	354	351	352	376	363	361	403	445	417	422	433	-79	-18.2	
Dailas	277	294	306	311	218	200	236	245	236	212	218	59	27.1	
Davis	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		
Delaware	322	333	312	298	303	285	280	255	260	277	279	43	15.4	
Des Moines	403	368	464	491	511	446	451	407	443	494	482	-79	-16.4	
Dickinson	0	0	0	0	0	0	0	0	0	0	0	0		
Dubuque	6148	6572	6747	6649	6895	7244	7506	7807	8046	8472	8762	-2614	-29.8	
Emmet	48	22	18	20	28	23	0	0	0	0	0	48		
Fayette	306	335	352	339	340	325	344	330	331	335	342	-36	-10.5	
Floyd	244	262	283	237	256	252	250	267	279	280	265	-21	-7.9	
Franklin	59	52	62	59	32	34	39	36	41	27	28	31	110.7	
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	74	74	82	78	70	72	69	70	67	58	49	25	51.0	
Guthrie	0	0	0	0	0	0	0	0	0	0	0	0		
familton	84	97	105	92	103	105	93	96	100	105	105	-21	-20.0	
lancock	75	74	60	56	61	62	69	70	66	72	67	8	11.9	
lardin	0	0	0	0	0	0	0	0	0	14	15	-15	-100.0	
larrison	56	65	65	68	78	78	73	65	64	65	59	-3	-5.1	
lenry	0	0	0	0	0	0	0	0	0	0	0	0		
loward	263	262	279	301	298	295	287	289	291	306	313	-50	-16.0	
lumboldt	170	132	134	147	149	147	152	142	120	121	127	43	33.9	
da	0	0	0	0	0	0	0	0	0	0	0	0		
OMB	222	218	228	191	219	224	236	247	238	243	240	-18	-7.5	
lackson	559	595	593	605	608	631	642	662	634	660	676	-117	-17.3	
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Table 2. Non-Public School Enrollment in Iowa Counties, 1980-1990 (continued).

Jefferson 0 575 403 353 293 218 262 246 104 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0														O Change
Johnson 766 633 609 583 571 584 586 601 604 586 610 156 25 Johnson 766 633 609 583 571 584 586 601 604 586 610 156 25 Johnson 724 225 224 267 282 264 268 274 268 280 286 -44 -11 11 11 11 11 11 11 11 11 11 11 11 11	County	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	Number	Percent
Dispute 242 225 244 267 282 264 268 274 268 280 286 -44 -15	Jefferson	0	575	493	353	293	218	262	246	104	0	0	0	
New York Continue Continue	Johnson	766	633	609	583	571	584	586	601	604	586	610	156	25.6
None	Jones	242	225	244	267	282	264	268	274	268	280	286	-44	- 15.4
Lien 1053 1079 1148 1143 1195 1234 1350 1383 1382 1413 1390 -337 -24 Lien 3099 2973 3094 3080 3150 3162 3277 3286 3328 3359 3389 -300 -8 Liucas 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Keokuk	0	0	15	0	0	0	0	95	102	102	111	-111	-100.0
Louisa 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Kossuth	934	967	1065	1287	1130	1180	1218	1294	1328	1370	1425	-491	-34.5
Luciss 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Lee	1053	1079	1148	1143	1195	1234	1350	1383	1382	1413	1390	-337	-24.2
Lucas 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Linn	3089	2973	3084	3080	3130	3162	3277	3286	3328	3359	3389	-300	-8.9
Lyon 125 156 158 163 174 189 186 188 187 183 175 -50 -28 48adison 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Louisa	0	0	0	0	0	0	0	0	0	0	0	0	
Nadison 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	
Nahiaska 220 211 221 227 213 197 190 192 203 189 183 37 20 Narion 838 826 837 812 795 785 784 778 748 736 729 109 15 Harion 838 826 837 812 795 785 784 778 748 736 729 109 15 Hills 0	Lyon	125	156	158	163	174	189	186	188	187	183	175	-50	-28.6
Harrion 838 826 837 812 795 785 784 778 748 736 729 109 15 Marshall 375 383 364 347 350 361 383 410 418 396 301 74 24 141 115 30 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Madison	0	0	0	0	0	0	0	0	0	0	0	0	
### ##################################	Mahaska	220	211	221	227	213	197	190	192	203	189	183	37	20.2
Mitchell 195 201 199 232 247 243 240 252 250 240 255 -60 -23 Mitchell 195 201 199 232 247 243 240 252 250 240 255 -60 -23 Monona 79 68 88 81 88 88 88 90 93 91 91 -12 -13 Monoroe 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Marion	838	826	837	812	795	785	784	778	748	736	729	109	15.0
Hitchell 195 201 199 232 247 243 240 252 250 240 255 -60 -238 240 255 -238 240 255 -238 256 272 269 261 279 268 -45 -16 256 256 257 269 261 279 268 -45 -16 256 256 257 269 261 279 268 -45 -16 256 256 257 269 261 279 268 -45 -16 256 256 257 269 261 279 268 -45 -16 256 256 257 256 257 256 257 256 257 256 257 256 257 256 257 256 257 256 257 256 257 256 257 256 257 256 257 256 257 256 257 257 259 259 268 111 44 256 256 257 257 259 259 268 111 44 256 256 257 257 259 259 268 111 44 256 256 257 257 259 259 268 111 44 256 256 257 257 259 259 268 111 44 256 256 257 257 259 259 268 111 44 256 256 257 257 259 259 268 111 44 256 256 257 257 259 259 268 111 44 256 256 257 257 259 259 268 111 44 256 256 257 257 259 259 258 258 258 258 258 258 258 258 258 258	Marshall	375	383	364	347	350	361		410	418	396	301	74	24.6
Monroe 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Mills	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	Mitchell	195	201	199	232	247	243	240	252	250	240	255	-60	-23.5
Montagomery 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Monona	79	68	88	81	88	88	88	90	93	91	91	- 12	-13.2
Muscatine 223 223 252 270 263 256 272 269 261 279 268 -45 -16 0	Monroe	0	0	0	0	0	0	0	0	0	0	0	0	
Muscatine 223 223 252 270 263 256 272 269 261 279 268 -45 -16 O'Brien 548 573 596 593 560 547 516 547 559 550 556 -17 -3 Osceola 57 73 94 101 110 112 103 114 114 116 122 -65 -53 Osceola 57 75 94 101 110 112 103 114 114 116 122 -65 -53 Page 87 91 95 99 109 93 107 111 100 94 76 11 14 Plymouth 1001 1014 1004 1021 1051 1046 1058 1082 1096 1097 1139 -138 -12 Plymouth 1001 1014 1004 1021 1051 1046 1058 1082 1096 1097 1139 -138 -12 Pocahontas 181 175 131 137 135 150 148 150 154 177 186 -5 -2 Port 5197 5091 5302 5278 5617 5646 5714 5689 5586 5480 5529 -332 -6 Portawattamie 991 1023 1038 1081 1048 903 922 944 902 936 926 65 7 Poweshiek 35 21 17 13 9 8 8 0 0 0 0 0 35 - Ringgold 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0	0	0	0	0	0	0	0	0	0	0	0	
O'Brien 548 573 596 593 560 547 516 547 559 550 565 -17 -3 OSceola 57 73 94 101 110 112 103 114 114 116 122 -65 -53 Page 87 91 95 99 109 93 107 111 100 94 76 Palto Alto 279 276 276 268 263 262 275 272 259 259 268 11 4 Plymouth 1001 1014 1004 1021 1051 1046 1058 1082 1096 1097 1139 -138 -12 Pocahontas 181 175 131 137 135 150 148 150 154 177 186 -5 -2 Polk 5197 5091 5302 5278 5617 5646 5714 5689 5586 5480 5529 -332 -6 Polk 5197 5091 5302 5278 5617 5646 5714 5689 5586 5480 5529 -332 -6 Polk 5197 5091 5302 5278 5617 5646 5714 5689 5586 5480 5529 -332 -6 Polk 5197 5091 5302 5278 5617 5646 5714 5689 5586 5480 5529 -332 -6 Polk 5197 5091 5302 5278 5617 5646 5714 5689 5586 5480 5529 -332 -6 Polk 5197 5091 5302 5278 5617 5646 5714 5689 5586 5480 5529 -332 -6 Polk 5197 5091 5302 5278 5617 5646 5714 5689 5586 5480 5529 -332 -6 Polk 5197 5091 5302 5278 5617 5646 5714 5689 5586 5480 5529 -332 -6 Polk 5197 5091 5302 5278 5617 5646 5714 5689 5586 5480 5529 -32 Polk 5197 5091 5302 5278 5617 5646 5714 5689 5586 5480 5529 -32 Polk 5197 5091 5302 5278 5617 5646 5714 5689 5586 5480 5529 -32 Polk 5197 5091 5302 5278 5617 5646 5714 5689 5586 5480 5529 -32 Polk 5197 5091 5302 5278 5617 5646 5714 5689 5586 5480 5529 -32 Polk 5197 5091 5302 5278 5617 5646 5714 5689 5586 5480 5529 -32 Polk 5197 5091 5302 5278 5617 5646 5714 5689 5586 5480 5529 -32 Polk 5197 5091 5302 5278 5617 5646 5714 5689 5586 5880 5899 586 5880 5899 586 5880 5899 586 5880 5899 580 5880 5899 580 5880 5899 580 5880 58	- ,	223	223	252	270	263	256	272	269	261	279	268	- 45	-16.8
Description Secondary Se						560	_		547	559	550	565	- 17	-3.0
Page 87 91 95 99 109 93 107 111 100 94 76 11 140 Palo Alto 279 276 276 268 263 262 275 272 259 259 268 11 440 Palo Alto 279 276 276 268 263 262 275 272 259 259 268 11 440 Palo Alto 1014 1014 1004 1021 1051 1046 1058 1082 1096 1097 1139 -138 -12 Pocahontas 181 175 131 137 135 150 148 150 154 177 186 -5 -2 Polk 5197 5091 5302 5278 5617 5646 5714 5689 5566 5480 5529 -332 -6 Portawattamie 991 1023 1038 1081 1048 903 922 944 902 936 926 65 77 Poweshiek 35 21 17 13 9 8 8 8 0 0 0 0 0 0 35 -2 Poweshiek 35 21 17 13 9 8 8 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0						110	_		114	114	116	122	-65	-53.3
Palo Alto 279 276 276 268 268 263 262 275 272 259 259 268 11 44 Plymouth 1001 1014 1004 1021 1051 1046 1058 1082 1096 1097 1139 -138 -12 Plymouth 1001 1014 1004 1021 1051 1046 1058 1082 1096 1097 1139 -138 -12 Pockhontas 181 175 131 137 135 150 148 150 154 177 186 -5 -2 Polit 5102 5278 5617 5646 5714 5689 5586 5480 5529 -332 -6 Polit 5102 1033 1038 1081 1048 903 922 944 902 936 926 65 78 Poweshiek 35 21 17 13 9 8 8 0 0 0 0 0 0 35 -2 Poweshiek 35 21 17 13 9 8 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0						109			111	100	94		11	14.5
Plymouth 1001 1014 1004 1021 1051 1046 1058 1082 1096 1097 1139 -138 -12 Pocahontas 181 175 131 137 135 150 148 150 154 177 186 -5 -2 Pocahontas 181 175 131 137 135 150 148 150 154 177 186 -5 -2 Pocahontas 181 175 131 137 135 150 148 150 154 177 186 -5 -2 Pocahontas 181 175 131 137 135 150 148 150 154 177 186 -5 -2 Pocahontas 181 175 131 137 135 150 148 150 154 177 186 -5 -2 Pocahontas 181 175 131 137 135 150 148 150 154 177 186 -5 -2 Pocahontas 181 175 131 137 135 150 148 150 154 177 186 -5 -2 Pocahontas 181 175 131 137 138 1081 1048 903 922 944 902 936 926 65 7 Pocahontas 183 1081 1048 903 922 944 902 936 926 65 7 Pocahontas 183 1081 1048 903 922 944 902 936 926 65 7 Pocahontas 183 1081 1048 903 922 944 902 936 926 65 7 Pocahontas 183 1081 1048 903 922 944 902 936 926 65 7 Pocahontas 183 1081 1048 903 922 944 902 936 926 65 7 Pocahontas 183 1081 1048 903 922 944 902 936 926 65 7 Pocahontas 183 199 132 33 342 350 335 335 347 378 399 408 404 -85 -21 Pocahontas 183 139 323 342 350 335 335 347 374 399 408 404 -85 -21 Pocahontas 183 197 186 186 173 184 185 189 190 187 191 -9 Pocahontas 184 197 186 186 173 184 185 189 190 187 191 -9 Pocahontas 184 187 189 190 187 191 -9 Pocahontas 184 185 189 190 187 191 199 125 122 Pocahontas 184 185 189 190 187 191 199 125 122 Pocahontas 184 185 189 190 187 191 199 125 122 Pocahontas 184 185 189 190 187 191 199 125 122 Pocahontas 184 185 189 190 187 191 191 191 191 191 191 191 191 191 19	•													4.1
Pocehontas 181 175 131 137 135 150 148 150 154 177 186 -5 -2 Pock 510														-12.1
Polik 5197 5091 5302 5278 5617 5646 5714 5689 5586 5480 5529 -332 -6 Pottawattamie 991 1023 1038 1081 1048 903 922 944 902 936 926 65 77 Poweshiek 35 21 17 13 9 8 8 0 0 0 0 0 0 35 -7 Poweshiek 35 21 17 13 9 8 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	•													-2.7
Pottawattamie 991 1023 1038 1081 1048 903 922 944 902 936 926 65 77 Poweshiek 35 21 17 13 9 8 8 0 0 0 0 0 0 35 Ringgold 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		-												-6.0
Poweshiek 35 21 17 13 9 8 8 0 0 0 0 0 35 Ringgold 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0							-							7.0
Ringgold 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0									0	0	0	0	35	
Sec 0 54 61 61 55 55 68 78 79 63 67 -67 -100 ccctt 2880 2999 2712 2683 2674 2805 2728 2796 2901 2978 2908 -28 -1 5helby 319 323 342 350 335 335 347 374 399 408 404 -85 -21 5helby 319 323 342 350 335 335 347 374 399 408 404 -85 -21 5helby 319 323 342 350 335 335 347 374 399 408 404 -85 -21 5helby 319 182 197 186 186 173 184 185 189 190 187 191 -9 -4 5helby 319 182 197 186 186 173 184 185 189 190 187 191 -9 -4 5helby 319 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			-						_	_				
Scott 2880 2999 2712 2683 2674 2805 2728 2796 2901 2978 2908 -28 -1 Shelby 319 323 342 350 335 335 347 374 399 408 404 -85 -21 Sioux 2809 2869 2840 2686 2663 2634 2608 2354 2380 2423 2459 350 14 Story 182 197 186 186 173 184 185 189 190 187 191 -9 -4 Tame 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 Union 128 130 127 146 130 94 96 105 119 125 122 6 4 Van Buren 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 Van Buren 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 Van Buren 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 Van Story 136 142 150 143 150 102 107 138 137 137 106 30 28 Van Story 14 14 15 15 14 15 15 16 16 16 16 16 17 18 18 18 18 18 18 18 18 18 18 18 18 18					_	-			_	_		67	-67	-100.0
Shelby 319 323 342 350 335 335 347 374 399 408 404 -85 -21 Sioux 2809 2869 2840 2686 2663 2634 2608 2354 2380 2423 2459 350 144 Story 182 197 186 186 173 184 185 189 190 187 191 -9 -4 Tame 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		_												-1.0
Sioux 2809 2869 2840 2686 2663 2634 2608 2354 2380 2423 2459 350 144 Story 182 197 186 186 173 184 185 189 190 187 191 -9 -4 Tame 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 Inion 128 130 127 146 130 94 96 105 119 125 122 6 4 Inion 128 130 127 146 130 94 96 105 119 125 122 6 Inion 136 142 150 143 150 102 107 138 137 137 106 30 28 Inion 299 307 315 284 314 312 295 296 289 280 286 13 4 Inion 299 307 315 284 314 312 295 296 289 280 286 13 4 Inion 299 307 315 384 314 312 295 296 289 280 286 13 Inionebago 16 13 13 11 14 12 12 12 12 9 10 11 5 45 Inionebago 16 13 13 11 14 12 12 12 12 9 10 11 5 45 Inionebago 16 13 13 11 14 12 12 12 12 9 10 11 5 45 Inionebago 2786 2833 2873 2909 2848 2928 2898 2839 2822 2792 -62 -62 -62 Inionebago 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0														-21.0
Story 182 197 186 186 173 184 185 189 190 187 191 -9 -4 Tame	•													14.2
Tame 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0														-4.7
Taylor 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	•													•••
Union 128 130 127 146 130 94 96 105 119 125 122 6 44 Van Buren 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0					_	_							-	
Van Buren 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	•		-		_	=		_	-	-			_	4.9
Hapello 136 142 150 143 150 102 107 138 137 137 106 30 28 Harren 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0														
Herren 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0						-								28.3
Heshington 299 307 315 284 314 312 295 296 289 280 286 13 44 289 280 286 13 44 289 280 286 13 44 2899 280 286 13 44 2899 280 280 280 280 280 280 280 280 280 280														
Hayne 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0					-	-							_	4.5
Webster 1238 1260 1478 1308 1318 1375 1385 1436 1491 1508 -270 -17 Winnebago 16 13 13 11 14 12 12 12 9 10 11 5 45 Winneshiek 605 558 548 543 560 561 537 537 532 533 525 80 15 Woodbury 2730 2786 2833 2873 2909 2848 2928 2898 2839 2822 2792 -62 -2 Worth 0 <	•													
Firnebago 16 13 13 11 14 12 12 12 9 10 11 5 45 45 45 45 46 46 46 46 46 46 46 46 46 46 46 46 46	•				_		-	=			_	_	-	-17.9
Airmeshiek 605 558 548 543 560 561 537 537 532 533 525 80 15 Aloodbury 2730 2786 2833 2873 2909 2848 2928 2898 2839 2822 2792 -62 -22 Alorth 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			_											45.5
Hoodbury 2730 2786 2833 2873 2909 2848 2928 2898 2839 2822 2792 -62 -2 Horth 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-													15.2
Horth 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0					-									-2.2
right 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	•					_								-2.2
												_		
State of Iowa 46924 47959 48988 48808 49454 49558 50668 51339 51495 51956 52504 -5580 -10														
	State of Iowa	46924	47959	48988	48808	49454	49558	50668	51339	51495	51956	52504	-5580	-10.6

Table 3. Total (Public and Non-Public) School Enrollment in Iowa Counties, 1980-1990.

												1980-199	O Change
County	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	Number	Percent
Adair	1188	1148	1149	1224	1222	1248	1249	1277	1258	1303	1364	-176	-12.9
Adams	773	767	819	816	792	804	791	776	835	842	900	-127	-14.1
Allamakee	2931	2953	2943	2990	3016	3101	3105	3199	3300	3288	3568	-637	-17.9
Appanoose	2591	2573	2623	2686	2642	2568	2648	2714	2749	2825	2906	-315	-10.8
Audubon	1211	1184	1201	1232	1266	1310	1327	1361	1387	1417	1499	-288	-19.2
Benton	4486	4449	4334	4372	4380	4437	4474	4588	4690	4886	5087	-601	-11.8
Black Hawk	22623	22425	22376	22628	22735	23264	23921	24580	24946	24974	25650	-3027	-11.8
Boone	4269	4240	4251	4211	4257	4277	4250	4273	4273	4393	4500	-231	-5.1
Bremer	59 69	6051	6032	6117	6244	6322	6451	6490	6678	6850	7094	-1125	-15.9
Buchanan	3676	3613	3616	3585	3520	3648	3747	3845	3963	4064	4134	-458	-11.1
Buena Vista	3647	3425	3420	3392	3547	3424	3444	3426	3433	3498	3602	45	1.2
Butler	2769	2741	2827	2790	2778	2846	2918	2994	3055	3193	3291	-522	- 15.9
Calhoun	2460	2465	2324	2482	2520	2536	2580	2634	2659	2822	2913	-453	-15.6
Carroll	4931	4810	4740	4647	4637	4666	4749	4848	5025	5139	5393	-462	-8.6
Cass	3236	3238	3162	3215	3200	3228	3248	3299	3347	3457	3566	-330	-9.3
Cedar	3671	3597	3589	3530	3518	3564	3677	3717	3799	3859	3992	-321	-8.0
Cerro Gordo	8093	8095	8077	8103	8123	8004	8051	7970	7970	8164	8395	-302	-3.6
Cherokee	2791	2767	2828	2899	2824	2873	2922	2979	3025	3108	3216	-425	-13.2
Chickasaw	2533	2536	2578	2597	2664	2761	2819	2906	2991	3101	3301	-768	-23.3
Clarke	1722	1634	1702	1736	1664	1656	1600	1658	1643	1667	1694	28	1.7
Clay	3571	3547	3539	3443	3430	3527	3538	3552	3534	3605	3727	-156	-4.2
Clayton	3940	3949	3983	3962	3928	4034	4091	4133	4190	4260	4342	-402	-9.3
Clinton	9895	9928	10017	10122	10454	10716	10889	11205	11585	11869	12227	-2332	-19.1
Crawford	3597	3630	3780	3874	3940	4001	4025	4081	4146	4174	4221	- <i>2332</i> -624	-14.8
Dallas	6904	6711	6656	6666	6476	6449	6370	6358	6383	6570	6674	230	3.4
Davis	1398	1365	1430	1440	1473	1492	1514	1534	1573	1600	1608	-210	-13.1
Decatur	1480	1458	1457	1543	1553	1533	1558	1604	1655	1692	1687	-207	-12.3
Delaware	3903	3786	3776	3725	3703	3679	3714	3935	3859	3956	4069	-166	-4.1
Des Moines	8165	8118	8229	8311	8324	8208	8240		8474	8747			
Dickinson	2807	2804	2735	2741	2754	2789	2825	8212 2819	2796		9089	-924 171	-10.2 -4.5
Dubuque	18017	18591	18979	19463	20000	19652	20149			2832	2938	-131	
Emme t	2326	2346	2350	2328	2328	2392		20748	21416	22327	23406	-5389 751	-23.0
							2655	2516	2557	2657	2677	-351	-13.1
Fayette	4755	4731	4764	4774	4849	5049	5197	5494	5587	5669	6007	-1252	-20.8
Floyd	3418	3404	3494	3475	3509	3602	3760	3832	3998	4140	4269	-851 -74	-19.9
Franklin	2044	1908	1824	1792	1840	1840	1858	1923	1906	1923	1973	71	3.6
Fremont	1688	1672	1671	1717	1736	1743	1804	1764	1752	1728	1769	-81	-4.6
Greene	1905	1887	1894	1841	1934	2019	2063	2023	2103	2223	2329	-424	-18.2
Grundy	2297	2341	2396	2419	2488	2560	2640	2692	2783	2883	2904	-607	-20.9
Guthrie	2477	2424	2434	2581	2575	2626	2660	2716	2725	2757	2885	-408	-14.1
lamilton	3183	3281	3161	3173	3158	3212	3269	3331	3418	3511	3644	-461	-12.7
lancock	2468	2426	2462	2446	2442	2466	2434	2494	2509	2609	2650	-182	-6.9
lerdin	3956	3956	3959	3787	4055	4086	4230	4362	4452	4546	4801	-845	-17.6
larrison	3072	2991	3114	3142	3119	3183	3281	3297	3373	3439	3535	-463	-13.1
lenry	4161	3668	3618	3593	3637	3607	3585	3597	3645	3672	3764	397	10.5
loward	2382	2325	2334	2346	2378	2398	2388	2512	2575	2642	2792	-410	-14.7
lumboldt 	2082	2031	2021	2074	2046	2114	2143	2169	2244	2355	2466	-384	-15.6
de	1580	1569	1525	1544	1489	1446	1395	1423	1462	1446	1513	67	4.4
OWA	3050	2853	2815	2795	2858	29 22	2887	2966	3065	3196	3356	-306	-9.1
lackson	4180	4183	4248	4358	4338	4440	4640	4865	4839	4981	5131	-951	-18.5
Jasper	6556	6559	6558	6672	6654	6693	6690	6816	6803	7102	7244	-688	-9.5

Table 3. Total (Public and Non-Public) School Enrollment in Iowa Counties, 1980-1990 (continued).

County	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	Number	Percent
Jefferson	1977	2551	2513	2370	2329	2338	2508	2528	2453	2467	2596	-619	-23.8
Johnson	11836	11586	11645	11136	10929	10882	10726	10784	10961	10967	11206	630	5.6
Jones	3456	3529	3523	3582	3649	3734	3785	3820	3905	3982	4236	-780	-18.4
Keokuk	2447	2436	2425	2429	2395	2451	2450	2497	2464	2582	2729	-282	-10.3
Kossuth	3636	3616	3626	3774	3713	3898	3972	4101	4211	4356	4608	-972	-21.1
Lee	7433	7366	7471	7678	7745	7766	7833	7990	8153	8228	8425	-992	-11.8
Linn	31499	31397	31827	31884	32090	32616	33237	33852	34719	35555	36675	-5176	- 14 . 1
Louisa	2803	2852	2842	2838	2829	2824	2817	2918	2887	3041	3115	-312	-10.0
Lucas	1574	1607	1587	1655	1647	1647	1678	1701	1733	1769	1832	-258	- 14.1
Lyon	2389	2432	2446	2481	2460	2428	2392	2415	2503	2562	2590	-201	-7.8
Madison	2813	2846	2857	2840	2836	2824	2835	2819	2810	2917	2972	-159	-5.3
Mahaska	3514	3484	3462	3450	3472	3459	3513	3496	3483	3424	3497	17 -101	0.5 -1.6
Marion Masshall	6262 7191	6158 7134	6224 7139	6125 7294	6061	6105 7320	6166 7507	6162 7768	6133 7891	6261 8051	6363 8344	-1153	-13.8
Marshall	2577	2573	2599	2641	7286 2533	2612	2632	2621	2636	2626	2587	-10	-0.4
Mills Mitchell	2005	2008	2013	2068	2055	2023	2056	2083	2146	2227	2397	-392	-16.4
Monona	1911	1893	1919	1922	1932	1967	2002	2020	2100	2186	2273	-362	-15.9
Monroe	1358	1364	1337	1367	1376	1410	1433	1457	1498	1518	1567	-209	-13.3
Montgomery	2165	2169	2230	2182	2212	2274	2253	2278	2241	2283	2309	-144	-6.2
Muscatine	7912	7825	7701	7824	7848	7792	7780	7971	8036	8094	8205	-293	-3.6
o'Brien	3474	3408	3429	3397	3359	3351	3290	3354	3407	3460	3559	-85	-2.4
Osceola	1012	1008	1032	1060	1053	1061	1074	1107	1126	1134	1275	-263	-20.6
Page	3288	3299	3227	3255	3239	3262	3303	3273	3288	3337	3389	-101	-3.0
Palo Alto	2327	2311	2346	2374	2264	2300	2362	2422	2479	2585	2733	-406	-14.9
Plymouth	5183	5095	5071	5068	4983	4940	4946	4947	5089	5154	5404	-221	-4.1
Pocahontas	1979	1843	1767	1800	1818	1872	1950	1994	2068	2128	2231	-252	-11.3
Polk	58924	57120	56776	56618	56689	56945	56776	56886	57420	58783	60414	- 1490	-2.5
Pottawattamie	16922	16690	16676	16961	16962	16884	16976	17308	17453	17998	18525	- 160 3	-8.7
Poweshiek	3046	3040	3105	3168	3107	3110	3161	3203	3318	3432	3517	-471	-13.4
Ringgold	1020	1059	1049	1003	975	1009	1065	1118	1090	1124	1141	-121	-10.6
Sac	2478	2480	2440	2484	2426	2423	2449	2525	2597	2615	2721	-243	-8.9
Scott	30721	30702	30346	30795	31060	31840	32730	33363	33684	34500	35244	-4523	-12.8
Shelby	2744	2672	2662	2678	2706	2786	2919	2995	3049	3186	3368	-624	-18.5
Sioux	6827	6764	6708	6502	6393	6371	6292	6104	6121	6258	6424	403	6.3
Story	10348	10170	10014	9944	9686	9727	9687	9766	9828	10075	10443	-95	-0.9
Tama	3279	3354	3348	3378	3412	3460	3536	3586	3678	3830	3988	-709	-17.8
Taylor	1368	1410	1469	1503	1429	1493	1510	1494	1518	1548	1597	-229	-14.3
Union	2503	2582	2574	2609	2613	2588	2664	2679	2687	2723	2796	- 293	-10.5
Van Buren	1419	1419	1441	1471	1487	1503	1531	1540	1570	1618	1686	-267	-15.8
Wapello	6680	6679	6712	6938	7059	7223	7413	7451	7540	7693	7962	-1282	-16.1
Harren	7127	6941	7027	7144	6994	6955	6956	7048	7127	7264	7467	-340	-4.0
Washington	3754	3680	3707	3687	3725	3710	3742	3766	3837	3859	3988	-234	-5.9
Hayne	1247	1206	1201	1209	1237	1259	1307	1368	1396	1399	1414	-167	-11.8
Jeb ster	7368	7353	7642	7446	7601	7653	7744	7892	8043	8520	8866	- 1498	-16.9
Winnebago	2917	2857	2779	2806	2785	2771	2756	2770	2760	2839	2986	-69	-2.3
Winneshiek	3268	3163	3195	3141	3150	3134	3077	3109	3236	3304	3407	-139	-4.
Hoodbury	20391	20404	20255	20358	20078	19832	19881	20044	19901	20223	20786	-395	-1.9
Horth	1137	1131	1183	1184	1246	1279	1296	1300	1351	1409	1429	-292	-20.
Wright	2759	2745	2721	2870	2786	2876	2910	2960	2983	3075	3212	-453	- 14 . '

Of the 62 counties with non-public school students in both 1980 and in 1990, 24 had increases among these students and 38 had decreases. Gains ranged from less than 20 in eight counties to more than 100 in three (Johnson, +156; Marion, +109; Sioux, +350). Declines had a much greater range; eight counties had decreases among non-public school students that were less than 20, but 11 dropped by more than 100. The greatest decrease occurred in Dubuque (-2,614); the next greatest losses occurred in Carroll (-579) and Kossuth (-491).

Total School Enrollment

When the public and non-public figures are added, the total enrollment was 586,260 in 1980 and 529,095 in 1990 (Table 3). The only increase in total student numbers occurred between 1989 and 1990, when a gain of 4,500 was reported.

The total number of students increased in nine counties when 1980 and 1990 were compared. Four of these (Dallas, +230; Henry, +397; Johnson, +630; Sioux, +403) reported at least 100 more students at the end of the decade than at the beginning. The other five had smaller gains (Buena Vista, +45; Clarke, +28; Franklin, +71; Ida, +67; Mahaska, +17). Declines among total students were more common; only five of the 90 counties with fewer students in 1990 than in 1980 dropped by less than 100. Twelve were down by at least 1,000, topped by Dubuque (-5,389) and Linn (-5,176). Another 17 counties had at least 500 fewer total students enrolled in 1990 than in 1980.

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).

Estimates of Public Secondary School Dropouts in Iowa's Counties: 1980-1990

Sandra Charvat Burke, Iowa State University Willis Goudy, Iowa State University Edward Ranney, Iowa Department of Education

Information about public school dropouts from grades seven through twelve and nongraded secondary special education classes is collected and tabulated annually for lowa's counties by the lowa 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 1990 dropouts are those who left school between July 1, 1989, and June 30, 1990. 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 lowa numbered 5,270 for 1990 (Table 1). The lowest number of lowa dropouts during the ten years from 1980 through 1989 was 5,086 (1983). The decline from 1980 to 1983 was greater than 3,000. Since then, the number of dropouts has ranged within 500 of the total recorded in 1983 except for 1989.

Polk county had the highest number of dropouts during each of the ten years; it was the only county with as many as 750 dropouts each year. Other counties with at least 100 dropouts each year included Black Hawk, Dubuque, Linn, Pottawattamie, Scott, and Woodbury. Some counties had very few or no dropouts in selected years. Adams, Audubon, Ida, Osceola, Ringgold, and Taylor had 10 or fewer dropouts in at least 10 of the 11 years.

The state as a whole and all counties had years between 1980 and 1990 when the number of dropouts increased and other years when the number decreased. A total of 89 counties had fewer dropouts in 1990 than in 1980. Of these 89 counties, 48 had decreases of 20 or fewer dropouts. Seven counties (Clinton, Dubuque, Linn, Polk, Pottawattamie, Scott, Woodbury) had at least 100 fewer dropouts in 1990 than in 1980, with Linn's decline of 307 the largest. Nine counties (Adair, Adams, Franklin, Greene, Jasper, Johnson, Osceola, Page, Winnebago) had more dropouts in 1990 than in 1980, with the range of increase from 1 (Franklin) to 123 (Johnson), although the other seven increased by only 3-5 dropouts.

At the same time the number of dropouts was changing in lowa, so was the number of school enrollees (Table 1). Student enrollment in public secondary schools declined every year in lowa between 1980 and 1990. All but one (Mills, +37) of lowa's 99 countles had fewer secondary enrollees in 1990 than in 1980. Comparisons of 1980 with 1990 revealed that there were 64,000 fewer secondary school students in lowa at the beginning of the 1990s than at the beginning of the 1980s; drops were greater than 1,000 enrollees in 13 counties, topped by four (Black Hawk, Linn, Polk, Scott) that decreased by at least 3,000.

Percentage of Dropouts

In 1990, 2.5% of public secondary enrollees in lowa became dropouts. This was lower than the 3.0% calculated in 1980 (Table 2). During the eleven year period, the lowest dropout percentages for the state were 2.0% in 1983 and 2.1% in 1984. The proportion of dropouts for lowa decreased every year from 1980 to 1983, increased between 1983 and 1987, and remained relatively stable since.

There were significant variations among the counties in the percentage of students that dropped out. In 1990, Audubon, the only county with with no dropouts that year, had the lowest percentage. Nineteen other counties had fewer than 1% of their secondary students leave school. Black Hawk had the highest dropout rate (6.4%). Eight (Adams, Appanoose, Jasper, Johnson, Marshall, Polk, Pottawattamie, Scott) had percentages of 3%-4%, and eight others also were above the state figure (2.5%) in 1990. The pattern in 1980 was somewhat different. In that year, only four counties had fewer than 1% of their secondary students drop out and 25 counties were above the state figure (3.0%). Davis county's 5.6% dropout percentage was the highest in 1980 and 10 other counties were above 4%.

A total of 74 counties had a lower percentage of students drop out in 1990 than in 1980 while 20 counties were higher and five remained the same. Some counties, however, were consistently among those with the highest percentages while others were consistently among the lowest. Counties among the 10 highest percentages of dropouts for at least six of the 11 years included Black Hawk, Lee, Polk, Pottawattamle, and Scott. Counties among the 10 lowest for at least 6 of the 11 years were Grundy, Hancock, and Lyon.

Note: Additional information on public secondary school dropouts is published annually in the IOWA GUIDANCE SURVEYS by 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 Counties, 1980-1990.

Adair Adams Allamakee Appanoose Audubon Benton		Enroll	***************************************	*****						1986		1985		1984		983						1980
Adams Atlamakee Appanoose Audubon Benton Black Hawk Boone Bremer Buchanan Buena Vista	,		Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll
Allamakee Appanoose Audubon Benton Black Nawk Boone Bremer Buchanan Buena Vista	4	489	0	487	0	519	4	529	6	561	2	574	3	589	6	616	12	629	11	678	1	736
Appanoose Audubon Benton Black Hawk Boone Bremer Buchanan Buena Vista	12	361	3	356	3	367	3	365	4	350	1	364	5	368	0	401	4	421	8	452	7	507
Audubon Benton Black Hawk Boone Bremer Buchanan Buchanan Buena Vista	13	1313	26	1309	12	1344	17	1362	15	1459	11	1499	15	1569	20	1655	36	1738	34	1849	38	1910
Benton Black Hawk 4 Boone Bremer Buchanan Buena Vista	45	1186	34	1188	31	1219	59	1221	24	1154	33	1193	34	1234	19	1242	52	1266	58	1326	64	1425
Black Nawk Boone Bremer Buchanan Buena Vista	0	507	6	522	5	542	2	575	6	600	4	648	10	687	5	733	13	764	10	811	9	861
Boone Bremer Buchanan Buena Vista	33	1874	26	1832	33	1864	21	1960	28	2013	39	2159	39	2257	37	2307	67	2442	63	2580	91	2615
Bremer Buchanan Buena Vista	488	7653	516	8075	422	8316	388	8446	374	8647	454	9268	355	9476	345	9777	402	10159	491	10527	549	11264
Buchanan Buena Vista	34	1729	45	1784	30	1825	43	1900	30	1915	38	2024	41	1993	60	2027	39	2095	44	2181	74	2252
Buena Vista	32	2615	21	2665	27	2716	29	2879	29	3011	31	3144	20	3208	26	3236	40	3317	45	3345	72	3447
	21	1518	28	1462	28	1457	35	1488	22	1532	37	1605	40	1656	41	1710	40	1814	52	1906	52	1950
Butler	30	1505	26	1421	24	1339	27	1375	18	1400	17	1476	13	1420	9	1430	18	1508	25	1618	35	1733
	11	1146	11	1239	8	1683	9	1334	8	1354	10	1431	18	1499	6	1527	14	1570	21	1624	19	1681
Calhoun	10	1066	8	1066	8	1111	7	1130	5	1191	9	1289	8	1310	10	1331	19	1432	11	1474	33	1591
Carroll	10	1164	10	1165	15	1165	15	1177	14	1167	20	1260	12	1295	15	1370	15	1347	22	1408	29	1412
Cass	18	1367	27	1391	24	1444	21	1459	18	1475	18	1531	21	1602	16	1632	29	1734	31	1797	38	1871
Cedar	11	1575	10	1593	18	1576	14	1618	20	1659	27	1781	23	1836	22	1911	24	1978	22	2055	29	2164
Cerro Gordo	70	3160	93	3194	60	3231	223	3269	74	3520	101	3623	77	3471	127	3402	119	3589	110	3709	165	4046
Cherokee	19	1228	18	1196	19	1276	8	1267	8	1332	12	1362	15	1419	16	1449	44	1513	36	1574	45	1638
Chickasaw	9	1099	15	1136	13	1187	16	1244	17	1299	15	1369	10	1431	14	1487	27	1567	22	1677	31	1714
Clarke	20	727	10	. 720	7	743	12	767	4	804	9	771	11	816	8	798	12	799	8	809	27	798
Clay	17	1469	25	1459	19	1421	37	1429	19	1535	21	1574	32	1640	28	1676	42	1686	52	1760	20	1851
Clayton	11	1746	19	1732	16	1726	16	1744	19	1744	23	1828	27	1900	31	1938	34	2033	42	2140	60	2262
Clinton	92	4229	109	4227	77	4345	103	4576	89	4815	92	5037	94	5192	130	5375	198	5639	180	5809	255	5941
Crawford	21	1551	12	1559	16	1691	10	1715	10	1749	13	1781	18	1792	18	1833	19	1910	31	1992	43	2064
Dallas	40	2705	30	2736	67	2759	62	2874	75	2946	39	3018	46	2999	60	3007	69	3123	85	3075	90	3146
Davis	15	670	9	667	11	694	11	694	12	702	14	728	13	744	26	744	19	767	22	793	47	836
Decatur	13	643	12	664	13	725	11	716	9	720	13	758	18	817	13	817	28	817	25	843	32	858
Delaware	18	1484	26	1521	23	1543	35	1625	26	1740	28	1809	18	1855	29	1916	29	2034	26	2099	39	2240
Des Moines	68	3573	79	3469	55	3581	116	3917	178	3790	179	3994	189	3791	124	3962	108	4259	151	4363	156	4589
Dickinson	12	1277	10	1245	25	1184	15	1274	15	1306	14	1350	15	1333	14	1342	24	1387	27	1433	36	1493
Dubuque	140	6088	201	6262	150	6554	146	6781	145	6845	205	7119	170	7191	207	7409	238	7801	239	8071	325	8135
Emmet	18	1100	17	1110	24	1124	12	1145	18	1129	21	1189	10	1221	18	1223	24	1296	21	1307	31	1328
	27	2036	17	2072		2189	28	2257	15	2384	33	2497	46	2653	36	2764	46	2853	56	3011	80	3208
Fayette	33	1540	27	1630	33	1683	28	1611	20	1745	17	1867	39	1888	52	1962	38	2128	37	2192	47	2261
floyd	33 9	821	12	757	رد 8	770	7	810	16	819	12	828	9	890	9	899	14	983	13	988	8	1046
Franklin Fremont	14	752	12	769	16	770 780	23	768	11	805	12	820	11	792	6	779	10	779	19	809	29	849

Table 1. Public Secondary School Dropouts and Enrollees in Iowa Counties, 1980-1990 (continued).

		1990 ²		1989		1988		1987		1986	•	1985	•	1984	•	1983		1982	,	1981		1980
County	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll
Greene	23	809	14	79 2	9	828	6	866	10	931	8	1009	13	1017	20	1067	22	1128	18	1179	19	1278
Grundy	4	1063	8	1090	7	1117	3	1160	8	1210	13	1296	7	1324	17	1390	20	1424	10	1503	17	1558
Guthrie	10	1087	8	1083	20	1122	14	1148	8	1242	8	1288	21	1338	14	1316	19	1327	29	1388	33	1500
Hamilton	20	1380	29	1405	15	1463	16	1498	25	1534	27	1580	10	1619	8	1680	16	1725	27	1781	40	1948
Hancock	7	1053	2	1082	5	1075	5	1072	5	1064	7	1098	5	1123	2	1139	11	1203	10	1268	20	1351
Hardin	18	1764	25	1786	14	1871	21	1905	15	1986	19	2105	23	2191	22	2231	32	2262	41	2421	45	2590
Harrison	24	1391	27	1400	26	1453	26	1525	32	1566	33	1625	23	1642	19	1683	31	1700	32	1729	38	1833
Henry	32	1661	34	1657	18	1670	24	1693	27	1735	32	1712	26	1732	22	1769	47	1841	30	1803	36	1798
Howard	10	968	7	884	4	922	9	979	6	1020	2	1072	17	1164	7	1239	12	1291	8	1365	17	1467
Humbol dt	6	839	11	847	11	859	9	891	9	959	18	1008	10	1069	16	1133	20	1220	20	1281	18	1312
Ida	3	689	3	683	6	654	5	657	3	658	0	660	2	659	5	687	7	709	9	748	12	802
lowa	11	1125	11	1132	8	1193	6	1250	10	1288	12	1352	12	1438	9	1499	20	1594	24	1721	29	1824
Jackson	30	1721	38	1780	24	1749	27	1848	23	1930	32	1998	25	2192	35	2187	58	2302	51	2330	52	2476
Jasper	114	2948	83	2933	120	3099	99	3124	85	3130	78	3228	64	3269	85	3298	102	3422	95	3500	110	3647
Jefferson	23	855	30	866	22	949	18	1001	22	1052	19	1100	11	1134	12	1126	30	1194	33	1232	37	1284
Johnson	177	4636	135	4610	130	4740	94	4869	123	4739	87	4792	87	4833	42	4944	46	4889	61	4974	54	5008
Jones	34	1609	14	1559	28	1606	28	1730	14	1788	14	1856	17	1913	18	1983	40	2052	47	2149	37	2189
Keokuk	6	1042	12	1084	10	1095	12	1095	14	1128	10	1185	6	1202	11	1239	17	1272	27	1384	37	1512
Kossuth	17	1123	11	1101	10	1109	16	1178	21	1211	13	1303	10	1366	10	1407	14	1436	16	1579	30	1687
Lee	88	2993	101	2845	77	2946	103	3044	105	3117	114	3182	102	3200	86	3296	113	3304	137	3759	166	3804
Lim	292	13815	433	14302	331	14150	414	14443	345	14943	308	15559	299	15912	465	16278	434	16160	428	16953	599	17028
Louisa	36	1268	39	1236	37	1298	27	1288	25	1308	32	1350	36	1381	41	1413	47	1463	38	1541	50	1515
Lucas	18	714	26	726	25	775	19	761	24	798	32	817	26	836	31	872	27	838	33	898	30	958
Lyon	5	979	2	974	8	998	4	1026	1	1054	4	1071	4	1081	4	1103	13	1140	8	1176	28	1284
Madi son	27	1302	14	1268	30	1326	25	1317	19	1325	25	1335	15	1346	21	1343	21	1408	16	1438	28	1521
Mahaska	24	1369	40	1376	39	1420	50	1482	28	1497	45	1542	46	1522	52	1574	50	1520	50	1521	73	1602
Marion	45	2346	32	2380	39	2431	44	2401	35	2467	48	2574	44	2620	31	2606	53	2678	40	2774	86	2815
Marshall	97	3087	109	3083	75	3181	66	3375	59	3474	55	3765	67	3859	63	3831	95	3916	116	4186	118	4254
Mills	20	1179	17	1175	17	1206	14	1193	26	1287	9	1237	13	1234	12	1184	26	1185	29	1165	31	1142
Mitchell	14	840	3	903	8	917	1	917	8	915	10	927	13	961	12	975	15	1062	22	1159	20	1271
Monona	14	851	12	848	13	872	13	874	13	921	21	930	15	939	22	980	30	1038	35	1100	34	1148
Monroe	15	591	11	576	15	585	29	611	19	654	15	693	23	723	23	734	28	764	20	802	25	819
Montgomery	16	985	15	971	20	983	22	986	23	1003	13	1023	38	1070	26	1039	35	1055	35	1071	34	1163
Muscatine	86	3253	118	3386	97	3414	83	3413	110	3342	127	3508	156	3634	100	3671	126	3766	167	3857	161	3858
O'Brien	16	1343	20	1322	10	1346	14	1344	8	1357	7	1377	21	1424	12	1454	22	1509	19	1635	28	1695
Osceola	9	441	3	433	8	457	3	469	2	455	1	498	2	490	2	506	2	508	4	541	4	618

Table 1. Public Secondary School Dropouts and Enrollees in Iowa Counties, 1980-1990 (continued).

	1	990 ²	1	989	1	988	1	987	1	1986	1	985	_ •	1984		1983		1982		1981		1980
County	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enroll	Drop	Enrol
age	33	1530	37	1495	37	1485	30	1463	21	1475	26	1509	29	1478	29	1447	33	1541	43	1544	29	157
alo Alto	7	952	18	941	7	935	4	949	8	974	7	1035	15	1109	13	1157	15	1243	25	1334	33	141
lymouth	32	1816	36	1818	9	1800	16	1798	22	1847	17	1895	19	1908	13	1939	22	2038	27	2118	34	224
Pocahontas	13	758	4	779	7	839	2	838	3	869	3	930	5	967	6	1028	8	1054	8	1151	19	122
Polk	889	23436	952	23710	1064	23888	1082	24939	1124	25705	1125	26111	924	26365	804	25965	974	26593	946	27257	999	2762
Pottawattamie	255	6421	332	6620	376	6863	348	6877	376	7194	302	7172	287	7501	190	7474	253	7735	323	85 15	497	902
Poweshiek	21	1333	29	1394	34	1498	20	1502	15	1561	25	1580	16	1593	23	1645	20	1682	29	1781	41	1778
Ringgold	3	432	8	446	2	459	3	471	3	490	6	484	3	521	8	519	5	523	5	567	23	589
Sac	7	1025	16	1032	6	1024	12	1052	11	1086	10	1124	6	1196	7	1237	14	1286	16	1327	39	1389
Scott	523	12558	511	12545	526	12996	454	13429	435	13900	480	14538	433	15073	436	14896	524	15227	599	15413	73 0	16158
Shelby	17	1111	18	1236	19	1200	19	1245	0	1267	19	1380	14	1452	18	1498	25	1557	16	1661	26	1761
Sioux	15	1653	13	1675	14	1673	16	1669	12	1690	13	1774	12	1867	14	1835	17	1934	13	2001	19	2119
Story	48	4155	42	4228	52	4249	45	4263	53	4494	59	4676	60	4709	68	4695	71	4933	65	5061	77	5185
Tomo	18	1473	16	1407	11	1624	36	1649	37	1658	35	1740	25	1842	49	1917	36	1982	31	2010	40	2123
Taylor	6	540	4	623	2	651	1	655	4	689	7	749	2	732	4	735	4	743	15	798	10	840
Union	23	1166	14	1166	15	1142	12	1183	8	1231	15	1247	15	1207	19	1191	33	1229	40	1282	41	1364
Van Buren	13	639	9	624	6	643	10	657	10	716	13	723	11	744	20	760	17	804	17	843	23	919
Wapello	62	2932	72	3134	119	3204	64	3301	76	3359	69	3438	52	3508	84	3351	92	3615	134	3786	110	3916
Warren	76	3122	72	3215	59	3309	49	3348	42	3445	49	3519	32	3530	49	3453	69	3430	85	3462	89	3509
Washington	25	1541	23	1549	37	1573	23	1566	33	1632	19	1724	21	1774	11	1800	21	1843	39	1919	3 5	1972
Wayne	12	566	10	582	10	579	2	588	10	595	11	604	10	629	8	676	7	698	14	709	12	760
Webster	71	2456	110	2573	125	2791	106	2869	133	3034	69	3208	52	3233	38	3315	67	3560	85	3801	85	4027
Vinnebago	19	1237	16	1261	14	1225	10	1239	20	1247	9	1302	8	1303	1	1329	13	1380	9	1468	15	1556
Vinneshiek	10	1200	8	1270	9	1267	10	1337	8	1366	13	1397	21	1426	10	1478	22	1550	11	1687	18	1712
Woodbury	219	8046	216	7941	203	8836	207	8710	155	8712	183	8880	185	8747	163	8891	235	9274	257	9223	336	9641
Worth	12	495	5	525	10	556	5	585	3	616	5	645	7	659	10	667	14	683	9	667	17	714
Wright	12	1210	14	1204	17	1231	6	1228	10	1296	18	1366	11	1424	11	1424	22	1522	29	1614	47	1766
State of lowe	5270	213888	5652	216251	5498	222112	5574	227144	5343	233453	5529	241973	5109	246788	5086	249885	6300	258141	6825	267995	8346	278186

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 *1990* covers the period from July 1, 1989, through June 30, 1990, for example.

Table 2. Percentage of Public Secondary School Dropouts in Iowa Counties, 1980-1990.

County	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	198
Adair	0.8	0.0	0.0	0.8	1.1	0.3	0.5	1.0	1.9	1.6	0.
Adams	3.3	0.8	0.8	0.8	1.1	0.3	1.4	0.0	1.0	1.8	1.
Allamakee	1.0	2.0	0.9	1.2	1.0	0.7	1.0	1.2	2.1	1.8	2.0
Appanoose	3.8	2.9	2.5	4.8	2.1	2.8	2.8	1.5	4.1	4.4	4.
ludubon	0.0	1.1	0.9	0.3	1.0	0.6	1.5	0.7	1.7	1.2	1.0
Benton	1.8	1.4	1.8	1.1	1.4	1.8	1.7	1.6	2.7	2.4	3.
Black Hawk	6.4	6.4	5.1	4.6	4.3	4.9	3.7	3.5	4.0	4.7	4.
Boone	2.0	2.5	1.6	2.3	1.6	1.9	2.1	3.0	1.9	2.0	3.
Bremer	1.2	0.8	1.0	1.0	1.0	1.0	0.6	0.8	1.2	1.3	2.
Buchanan	1.4	1.9	1.9	2.4	1.4	2.3	2.4	2.4	2.2	2.7	2.
Buena Vista	2.0	1.8	1.8	2.0	1.3	1.2	0.9	0.6	1.2	1.5	2.
Butler	1.0	0.9	0.5	0.7	0.6	0.7	1.2	0.4	0.9	1.3	1.
Calhoun	0.9	0.8	0.7	0.6	0.4	0.7	0.6	0.8	1.3	0.7	2.
Carroli	0.9	0.9	1.3	1.3	1.2	1.6	0.9	1.1	1.1	1.6	2.
Cass	1.3	1.9	1.7	1.4	1.2	1.2	1.3	1.0	1.7	1.7	2.
Cedar	0.7	0.6	1.1	0.9	1.2	1.5	1.3	1.2	1.2	1.1	1.
Cerro Gordo	2.2	2.9	1.9	6.8	2.1	2.8	2.2	3.7	3.3	3.0	4.
Cherokee	1.6	1.5	1.5	0.6	0.6	0.9	1.1	1.1	2.9	2.3	2.
Chickasaw	0.8	1.3	1.1	1.3	1.3	1.1	0.7	0.9	1.7	1.3	1.
Clarke	2.8	1.4	0.9	1.6	0.5	1,2	1.3	1.0	1.5	1.0	3.
Clay	1.2	1.7	1.3	2.6	1.2	1.3	2.0	1.7	2.5	3.0	1.
Clayton	0.6	1.1	0.9	0.9	1.1	1.3	1.4	1.6	1.7	2.0	2.
Clinton	2.2	2.6	1.8	2.3	1,8	1.8	1.8	2.4	3.5	3.1	4.
Crawford	1.4	0.8	0.9	0.6	0.6	0.7	1.0	1.0	1.0	1.6	2.
Dallas	1.5	1.1	2.4	2.2	2.5	1.3	1.5	2.0	2.2	2.8	2.
Davis	2.2	1.3	1.6	1.6	1.7	1.9	1.7	3.5	2.5	2.8	5.
Decatur	2.0	1.8	1.8	1.5	1.3	1.7	2.2	1.6	3.4	3.0	3.
Delaware	1.2	1.7	1.5	2.2	1.5	1.5	1.0	1.5	1.4	1.2	1.
Des Moines	1.9	2.3	1.5	3.0	4.7	4.5	5.0	3.1	2.5	3.5	3.
Dickinson	0.9	0.8	2.1	1.2	1.1	1.0	1.1	1.0	1.7	1.9	2.
Dubuque	2.3	3.2	2.3	2.2	2.1	2.9	2.4	2.8	3.1	3.0	4.
Emmet	1.6	1.5	2.1	1.0	1.6	1.8	0.8	1.5	1.9	1.6	2.
Fayette	1.3	0.8	1.5	1.2	0.6	1.3	1.7	1.3	1.6	1.9	2.
Floyd	2.1	1.7	2.0	1.7	1.1	0.9	2.1	2.7	1.8	1.7	2.
Franklin	1.1	1.6	1.0	0.9	2.0	1.4	1.0	1.0	1.4	1.3	0.
Fremont	1.9	1.6	2.1	3.0	1.4	1.5	1.4	0.8	1.3	2.3	3.
Greene	2.8	1.8	1.1	0.7	1.1	0.8	1.3	1.9	2.0	1.5	1.
Grundy	0.4	0.7	0.6	0.3	0.7	1.0	0.5	1.2	1.4	0.7	1.
Guthrie	0.9	0.7	1.8	1.2	0.6	0.6	1.6	1.1	1.4	2.1	2.
Hamilton	1.4	2.1	1.0	1.1	1.6	1.7	0.6	0.5	0.9	1.5	2.
Hancock	0.7	0.2	0.5	0.5	0.5	0.6	0.4	0.2	0.9	0.8	1
Hardin	1.0	1.4	0.7	1.1	0.8	0.9	1.0	1.0	1.4	1.7	1
Marrison	1.7	1.9	1.8	1.7	2.0	2.0	1.4	1.1	1.8	1.9	2
Henry	1.9	2.1	1.1	1.4	1.6	1.9	1.5	1.2	2.6	1.7	2
Howard	1.0	0.8	0.4	0.9	0.6	0.2	1.5	0.6	0.9	0.6	1
Humbol dt	0.7	1.3	1.3	1.0	0.9	1.8	0.9	1.4	1.6	1.6	1
Ida	0.4	0.4	0.9	0.8	0.5	0.0	0.3	0.7	1.0	1.2	1
Iowa	1.0	1.0	0.7	0.5	0.8	0.9	8.0	0.6	1.3	1.4	1
Jackson	1.7	2.1	1.4	1.5	1.2	1.6	1.1	1.6	2.5	2.2	2
Jasper	3.9	2.8	3.9	3.2	2.7	2.4	2.0	2.6	3.0	2.7	3

Table 2. Percentage of Public Secondary School Dropouts in Iowa Counties, 1980-1990 (continued).

County	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Jefferson	2.7	3.5	2.3	1.8	2.1	1,7	1.0	1.1	2.5	2.7	2.9
Johnson	3.8	2.9	2.7	1.9	2.6	1.8	1.8	0.8	0.9	1.2	1.1
Jones	2.1	0.9	1.7	1.6	0.8	0.8	0.9	0.9	1.9	2.2	1.7
Keokuk	0.6	1.1	0.9	1.1	1.2	0.8	0.5	0.9	1.3	2.0	2.4
Kossuth	1.5	1.0	0.9	1.4	1.7	1.0	0.7	0.7	1.0	1.0	1.8
Lee	2.9	3.6	2.6	3.4	3.4	3.6	3.2	2.6	3.4	3.6	4.4
Li n n	2.1	3.0	2.3	2.9	2.3	2.0	1.9	2.9	2.7	2.5	3.5
Louisa	2.8	3.2	2.9	2.1	1.9	2.4	2.6	2.9	3.2	2.5	3.3
Lucas	2.5	3.6	3.2	2.5	3.0	3.9	3.1	3.6	3.2	3.7	3.1
Lyon	0.5	0.2	0.8	0.4	0.1	0.4	0.4	0.4	1.1	0.7	2.2
Madison	2.1	1.1	2.3	1.9	1.4	1.9	1.1	1.6	1.5	1.1	1.8
Mahaska	1.8	2.9	2.7	3.4	1.9	2.9	3.0	3.3	3.3	3.3	4.6
Marion	1.9	1.3	1.6	1.8	1.4	1.9	1.7	1.2	2.0	1.4	3.1
Marshall	3.1	3.5	2.4	2.0	1.7	1.5	1.7	1.6	2.4	2.8	2.8
Mills	1.7	1.4	1.4	1.2	2.0	0.7	1.1	1.0	2.2	2.5	2.7
Mitchell	1.7	0.3	0.9	0.1	0.9	1.1	1.4	1.2	1.4	1.9	1.6
Monona	1.6	1.4	1.5	1.5	1.4	2.3	1.6	2.2	2.9	3.2	3.0
	2.5	1.9		4.7	2.9	2.2	3.2	3.1	3.7	2.5	3.1
Monroe		1.5	2.6	2.2	2.3	1.3	3.6	2.5	3.3	3.3	2.9
Montgomery	1.6 2.6	3.5	2.0 2.8	2.4	3.3	3.6	4.3	2.7	3.3	4.3	4.2
Muscatine		1.5		1.0	0.6	0.5	1.5	0.8	1.5	1.2	1.7
O'Brien	1.2		0.7		0.6		0.4	0.8	0.4	0.7	0.6
Osceola	2.0	0.7	1.8	0.6		0.2	2.0		2.1	2.8	1.8
Page	2.2	2.5	2.5	2.1	1.4	1.7		2.0	1.2	1.9	2.3
Palo Alto	0.7	1.9	0.7	0.4	0.8	0.7	1.4	1.1	1.1	1.3	1.5
Plymouth	1.8	2.0	0.5	0.9	1.2	0.9	1.0	0.7 0.6	0.8	0.7	1.6
Pocahontas	1.7	0.5	0.8	0.2	0.3	0.3	0.5		3.7	3.5	3.6
Polk	3.8	4.0	4.5	4.3	4.4	4.3	3.5	3.1 2.5	3.3	3.8	5.5
Pottawattamie	4.0	5.0	5.5	5.1	5.2	4.2	3.8 1.0	1.4	1.2	1.6	2.3
Poweshiek	1.6	2.1	2.3	1.3	1.0	1.6		1.5	1.0	0.9	3.9
Ringgold	0.7	1.8	0.4	0.6	0.6	1.2	0.6		1.1	1.2	2.8
Sac	0.7	1.6	0.6	1.1	1.0	0.9	0.5	0.6	3.4	3.9	4.5
Scott	4.2	4.1	4.0	3.4	3.1	3.3	2.9	2.9		1.0	1.5
Shelby	1.5	1.5	1.6	1.5	0.0	1.4	1.0	1.2	1.6 0.9		0.9
Sioux	0.9	0.8	0.8	1.0	0.7	0.7	0.6	0.8		0.6 1.3	1.5
Story	1.2	1.0	1.2	1.1	1.2	1.3	1.3	1.4	1.4	1.5	1.9
Tame	1.2	1.1	0.7	2.2	2.2	2.0	1.4	2.6	1.8	1.9	1.2
Taylor	1.1	0.6	0.3	0.2	0.6	0.9	0.3	0.5	0.5		
Union	2.0	1.2	1.3	1.0	0.6	1.2	1.2	1.6	2.7	3.1	3.0 2.5
Van Buren	2.0	1.4	0.9	1.5	1.4	1.8	1.5	2.6	2.1	2.0	
Wapello	2.1	2.3	3.7	1.9	2.3	2.0	1.5	2.5	2.5	3.5	2.8
Warren	2.4	2.2	1.8	1.5	1.2	1_4	0.9	1.4	2.0	2.5	2.5
Washington	1.6	1.5	2.4	1.5	2.0	1.1	1.2	0.6	1.1	2.0	1.8
Wayne	2.1	1.7	1.7	0.3	1.7	1.8	1.6	1.2	1.0	2.0	1.6
Webster	2.9	4.3	4.5	3.7	4.4	2.2	1.6	1.1	1.9	2.2	2.1
Winnebago	1.5	1.3	1.1	8.0	1.6	0.7	0.6	0.1	0.9	0.6	1.0
Winneshiek	0.8	0.6	0.7	0.7	0.6	0.9	1.5	0.7	1.4	0.7	1.1
Woodbury	2.7	2.7	2.3	2.4	1.8	2.1	2.1	1.8	2.5	2.8	3.5
Worth	2.4	1.0	1.8	0.9	0.5	0.8	1.1	1.5	2.0	1.3	2.4
Wright	1.0	1.2	1.4	0.5	0.8	1.3	0.8	8.0	1.4	1.8	2.7
	2.5	2.6	2.5	2.5	2.3	2.3	2.1	2.0	2.4	2.5	3.0

Students Receiving Free or Reduced-Price School Meals

in Iowa's Counties: 1983-1991

Sandra Charvat Burke, Iowa State University Willis Goudy, Iowa State University Raymond Senor, Iowa Department of Education

Nutrition assistance is provided to low-income students enrolled in lowa's schools. Students qualify for the program on the basis of family income; those with lower income can be eligible for free meals while others with somewhat higher income can receive meals at a reduced price. The lowa 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 from 1983-1984 through 1990-1991. Data from monthly reports were used, but the reports available varied from one year to the next by month and by number (2-5). 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

Although enrollment in lowa's schools increased somewhat the last two school years, it had decreased each of the previous years in the period examined (Table 1). Despite the enrollment declines, the average number of students receiving free meals increased in 1984-1985 and 1985-1986 (Table 1). This upward trend occurred from 1989-1990 to 1990-1991 as well. In both the 1985-1986 and 1986-1987 school years, more than 100,000 students in lowa received free meals at school. By 1989-1990, however, that number had been reduced significantly to 88,983, the lowest number of the period, only to increase to 91,826 in 1990-1991.

During the 1990-1991 school year, Polk (9,244), Scott (5,859), Linn (5,096), Black Hawk (4,835), and Woodbury (4,211) averaged the highest number of students getting free meals each month. Thirteen other counties had at least 1,000 such students. All counties except Osceola (145) averaged at least 150 monthly; Adams (161) and Worth (191) were the only others below 200.

The number of students receiving free meals during the 1990-1991 school year was significantly lower than in 1985-1986. Ninety counties also had fewer students in the program in 1990-1991 than in 1985-1986. Black Hawk and Dubuque each had at least 900 more students in the free meal program in 1985-1986 than in the most recent year. Forty-nine other counties averaged at least 100 more in the earlier year. Nine counties had more students receiving free meals in 1990-1991 than in 1985-1986, although only two (Muscatine, +444) and Pottawattamie (+132) had increases above 100.

Reduced-Price Meals

The number of students in lows receiving reduced-price meals did not vary as much as the number getting free meals (Table 1). In 1990-1991, an average of 29,551 students qualified for reduced-price meals each month. This was the highest average for the state for reduced-priced meals during the period examined.

For 1990-1991, Polk had 2,638 students getting reduced-price meals; the counts were 1,476 in Linn, 1,152 in Black Hawk, 1,096 in Woodbury, and 1,058 in Dubuque. These were the only counties with at least 1,000. Eighteen other counties had 300 or more. Adams (52) had the fewest students receiving reduced-price meals; eight other counties also were under 100.

Percentage of Students Receiving Free or Reduced-Price Meals

In lowa in 1990-1991, 24.4% of students enrolled in school received either free or reduced-price meals (Table 2). Only the three school years from 1985-1986 through 1987-1988 had higher percentages.

In 1990-1991, Warren (13.3%) had the lowest percentage of students in the meal program. Eleven other counties had from 15.0% to 19.2% of students qualifying; their figures were at least five percentage points below that of the state (24.4%). Twenty-seven counties had percentages at least five points above the state's figure, with six topping 35% (Appanoose, 39.2%; Decatur, 40.8%; Monona, 37.6%; Ringgold, 40.2%; Wapello, 35.6%; Wayne, 36.3%).

For 84 counties, the percentages for the 1990-1991 school year were lower than what they had been during 1985-1986. In that earlier year, all the counties had at least 15% of their students in the program with 41 counties having 30% or more. Four counties (Appanoose, 42.1%; Floyd, 45.4%; Monona, 40.9%; Taylor, 47.2%) averaged over 40% for 1985-1986. There were 14 counties, however, that had a greater percentage of students in the meal program in 1990-1991 than in 1985-1986. One (Cerro Gordo) reported the same percentage both years.

Note: Caution must be exercised in comparing the averages among the years. The months for which data were available varied considerably (1983-1984: November 1983 and May 1984; 1984-1985: October and December 1984, January, March, and May 1985; 1985-1986: March and May 1986; 1986-1987: September and October 1986, January and May 1987; 1987-1988: September and October 1987, January, February, and April 1988; 1988-1989: December 1988 and January and February 1989; 1989-1990: October 1989 and January and April 1990; 1990-1991: October 1990 and January and April 1991). Thus, these figures may differ somewhat from total annual enrollments or total annual numbers of students provided free or reduced-price meals if data had been available for all months in each school year.

Table 1. Average Number Enrolled and Average Numbers Receiving Free or Reduced-Price School Meals in Selected Months* in Iowa Counties, 1983-1991.

		Av	erage E	nrollme	nt in M	onths U	s e ď				-		f Stude Months				_	•		of Si als in				
COUNTY	1990-	1989- 1990	1988 - 1989	1987- 1988	1986 - 1987	1985 - 1986	1984 - 1985	1983	1990×	1989- 1990	1988- 1989	1987- 1988	1986- 1987	1985 - 1986	1984 - 1985	1983 - 1984	1990- 1991	1989- 1990	1988- 1989	1987- 1988	1986- 1987	1985- 1986	1984 - 1985	1983 1984
	1172	1130	1115	1179	1173	1176	1229	1219	******	~~~	343	253	······································	720	~e~	250	77		106	111	79	100	447	103
kdair kdama	709	741	766	789	782	766	786	786	304	238	212 175	149	334 203	329 198	253	142	73 52	92 48	65	59	68	65	113 70	60
voors Vilamakee	2905	2903	5920	2965	2971	3071	3070	3193	161 481	162 491	505	580	642	653	163 595	580	256	225	205	188	175	203	181	215
	2803	2607	2613	2693	2678	2627	2500	2577			819	940		958	868	853	176	182	171	139	146	148	161	129
Appanoose Lukara		1179	1192	1234	1267		1326		844	811		239	911			205	84			61	63	65	69	68
kindukson	1161 4500	4492	4351		4400	1306 4392		1360	232	194	200		278	280	223	774	293	61	64 263	326	276	252	230	271
Benton Mark Herb			20769	4314			4424 22302	4440	843	822	747	767	903	844	777 5293			213 985	1004	1068	1216	1095	1117	1164
Black Hawk	21120	50645		20708	21363	21541		23167	4835	4828	4931	5291	6494	5906		5243	1152 222	233	206	198	221	209	205	171
Boore	3922	3905	3538	3830	3877	3760	3032	3881	511	510	526	546	630	672	645	614			278	254	289	230	208	225
	5326	5340	5295	5154	5387	5611	5770	5602	645	603	675	854	1103	979	732	662	305	294						
Buchanan	3633	3437	3408	3291	3265	3333	3467	3548	724	694	733	779	926	918	838	768	196 271	218 229	177 215	192 287	207 281	206 262	176 259	201 279
Buera Vista	3516	3360	3362	3322	3207	3226	3187	3137	743	704	674	686	730	660	587	537					180	178	167	171
Butler	2636	2635	2735	2728	2716	2765	2075	2943	455	484	444	515	651	626	434	447	248	151	178	167				
Calhoun	2431	2302	2349	2403	2435	2444	2508	2536	451	363	420	466	556	572	408	392	167	196	147	165	163	149	127	142
Carroll	4193	4741	4200	4124	4332	4203	4397	4582	654	743	711	718	863	839	623	618	355	335	348	332	349	298	289	326
Cass.	3174	3173	3169	3198	3167	3230	3244	3276	617	648	656	682	714	711	634	495	271	222	250	243	267	266	235	258
Cedar	3519	3499	3533	3430	3380	3379	3518	3520	300	392	411	434	446	445	436	387	179	178	179	177	160	138	130	150
Cerro Gordo	74.00	7591	74.94	7369	7841	7842	79.31	7638	1321	1267	1289	1338	1418	1466	1222	1239	437	433	476	486	499	402	383	384
Cherokee	2730	2005	27772	2788	2743	2727	2011	2873	465	462	506	539	588	593	507	508	185	184	192	189	192	223	214	176
Chickasaw	2472	2498	2550	2537	2506	2742	2766	2010	403	408	433	474	555	585	464	486	197	202	169	186	198	149	160	186
Clarke	1662	1030	1652	2609	1667	1634	1603	1637	390	383	439	502	481	520	429	389	108	88	96	75	132	82	63	86
Clay	34.34	3392	3314	3193	3196	3250	2965	3292	502	578	611	689	672	680	502	508	292	284	230	223	265	273	185	235
Clayton	3904	3390	3462	3454	3090	4026	4069	4147	667	553	674	736	924	955	802	824	313	240	251	231	258	276	254	279
Clinton	9100	4534	9099	9374	9314	9148	94.37	V835	1484	1483	1549	1612	1744	1862	1670	1646	367	342	291	287	326	315	318	408
Crawford	3521	3631	3712	3614	A Company	3926	3970	3040	744	799	723	779	830	810	648	579	299	277	280	279	310	302	297	287
Dalles	6323	6037	6043	5000	5936	5771	5657	3075	039	790	757	843	900	953	950	925	380	287	279	325	353	346	299	326
Davis	1437	1412	1415	1418	1457	1467	1502	1516	330	310	306	383	422	440	395	420	97	97	92	88	90	80	108	103
Decatur	1474	1457	1471	1507	1535	1527	1552	1587	404	470	464	465	501	486	421	454	118	105	109	115	105	87	113	94
Defamele	3756	364.3	34.44	3452	3574	1561	3643	3677	619	631	679	659	821	829	696	709	170	154	149	123	127	142	175	182
Des Moines	7729	THAT	7693	7765	7765	7622	7599	7791	1535	1448	1499	1472	1405	1505	1468	1398	335	317	332	377	334	290	324	355
Dickinson	2712	2690	PH. 3	2586	2624	254 1	2744	21443	430	457	505	528	565	592	504	413	154	164	145	129	133	125	131	137
Dukan pare	17923	17622	17787	17991	10/0/	18672	1904.4	1977)5	2731	2813	2894	3157	3933	3663	3477	3671	1058	958	936	996	970	1026	1021	1114
E company &	2792	2321	2326	2301	2310	2316	24.59	2353	1	571	632	623	684	662	550	461	216	201	192	227	203	559	200	197
Fayette	4734	4652	4674	4607	4471	ANZO	5013	5246	953	943	954	1076	1219	1217	1112	1084	275	250	254	252	296	288	330	342

^{*}The number of months used varies from two to five; these were the only ones available some years, and the months change across some years.

Table 1. Average Number Enrolled and Average Numbers Receiving Free or Reduced-Price School Meals in Selected Months* in Iowa Counties, 1983-1991 (continued).

		Av	erage E	nrollme	nt in M	onths U	sed		1		-		f Studer Months						Number ice Me	_				
County	1990- 1991	1989- 1990	1988- 1989	1987- 1988	1986- 1987	1985- 1986	1984 - 1985	1983- 1984	1990- 1991	1989 <i>-</i> 1990	1988- 1989	1987- 1988	1986- 1987	1985- 1986	1984 - 1985	1983 - 1984	1990- 1991	1989- 1990	1988- 1989	1987- 1988	1986- 1987	1985- 1986	1984- 1985	1983- 1984
Floyd	3348	3338	3345	3472	3539	3429	3713	3817	888	852	918	993	1022	1074	1009	1037	226	240	229	264	272	257	229	274
Franklin	1817	1746	1693	1660	1691	1670	1706	1751	327	350	340	337	400	410	340	338	194	155	149	169	126	96	89	121
Fremont	1688	1664	1377	1697	1721	1720	1779	1768	335	333	279	374	409	445	417	371	136	108	95	117	114	111	101	108
Greene	1750	1731	1758	1752	1787	1845	1908	1920	391	342	383	352	418	457	434	358	163	173	205	189	182	161	134	164
Grundy	2264	2636	2419	2354	2 369	2328	2502	2524	276	244	229	277	345	286	264	234	122	119	129	135	140	108	99	120
Guthrie	2414	2399	2415	2535	2563	2568	2609	2665	464	428	480	587	677	660	605	621	158	151	169	158	158	213	146	163
Hamilton	3032	3042	3084	2992	3014	3069	3196	3289	534	492	508	558	557	593	527	550	221	189	174	203	214	206	197	219
Hancock	2375	2335	2330	2401	2378	2371	2376	2420	407	357	347	410	447	441	276	323	236	186	193	200	186	170	152	103
Hardin	4093	4109	4077	4042	4189	4161	4347	4389	1007	1062	960	1004	1078	1138	997	964	268	233	274	253	268	259	273	268
Harrison	2984	2978	2983	3055	3079	3077	3112	3174	687	652	665	706	747	795	757	776	242	241	245	231	250	230	267	211
Henry	3722	3598	3572	3605	3627	3620	3537	3563	571	532	492	522	564	593	573	603	173	167	182	173	200	228	190	238
Howard	2312	2276	2277	2305	2351	2356	2360	2459	431	443	515	532	592	624	554	563	218	166	161	161	174	148	131	130
Humbol dt	1960	1969	1955	1978	1994	2040	2085	2149	289	305	311	369	411	491	453	408	170	151	169	185	195	164	172	172
Ida	1521	1429	1444	1401	1381	1335	1355	1353	243	234	245	294	327	316	280	224	163	140	150	148	164	113	94	88
Ious	2967	2769	2710	2714	2791	2814	2823	2882	347	306	308	349	373	398	319	346	220	165	167	163	184	184	162	169
Jackson	4042	4139	4212	4259	4261	4357	4566	4698	756	784	817	885	1061	1052	931	908	223	205	191	170	181	208	206	225
Jasper	6350	6451	6125	6198	6136	6140	6397	6460	747	753	720	791	864	937	892	983	261	218	195	192	232	243	304	291
Jefferson	1771	1795	1826	1825	1869	1921	2039	2087	283	263	257	281	342	327	328	345	55	68	74	57	57	85	83	118
Johnson	10963	10807	10579	10599	10245	10253	10043	10256	1243	1208	1198	1241	1201	1233	1020	1033	399	382	346	322	354	345	351	404
Jones	3433	3389	3394	3404	3500	3416	3569	3629	580	583	602	603	759	696	650	668	244	207	162	192	152	185	160	197
Keokuk	2432	2446	2441	2443	2390	2407	2470	2480	500	475	421	490	507	564	501	494	152	143	120	110	109	85	93	77
Kossuth	3446	3471	3602	3540	3679	3656	3789	3992	613	590	598	713	836	823	536	546	242	251	286	290	264	270	214	242
Lee	6906	7102	7119	7485	7291	7225	7315	7446	1238	1209	1266	1334	1389	1497	1327	1348	270	261	285	315	315	309	295	359
Linn	29899	28832	29124	29670	30103	30498	31109	31860	5096	4659	4669	4874	5090	5486	5375	5581	1476	1250	1246	1297	1400	1520	1460	1523
Louisa	2732	2730	2663	2600	2669	2660	2694	2761	514	482	416	445	482	558	481	493	111	115	138	104	136	99	125	139
Lucas	1581	1575	1579	1621	1642	1631	1686	1668	293	281	297	326	374	388	405	401	104	97	105	95	110	97	84	75
Lyon	2032	2324	2353	2358	2353	2315	2323	2263	319	367	414	479	557	547	434	367	145	213	223	208	175	170	152	145
Madison	2815	2838	2836	2824	2855	2826	2785	2797	410	445	437	448	567	616	496	540	247	200	228	254	204	195	180	171
Mahaska	3444	3400	3412	3363	3409	3402	3434	3442	792	788	826	901	939	975	893	965	241	235	219	180	245	252	228	240
Marion	5820	5509	5546	5483	5036	5513	5573	5624	741	654	753	791	840	921	887	882	349	328	261	266	258	296	289	311
Marshall	6569	6574	6296	6515	6662	6843	7038	7243	1297	1155	1128	1174	1573	1248	1213	1147	355	332	320	349	428	342	383	411
Mills	2600	2623	2647	2667	2636	2663	2733	2782	425	444	440	444	505	498	524	521	188	117	67	118	100	146	114	150
Mitchell	1978	2000	2016	2035	2014	1455	2038	2038	324	313	353	423	462	362	331	332	166	174	156	206	179	118	160	118

Table 1. Average Number Enrolled and Average Numbers Receiving Free or Reduced-Price School Meals in Selected Months* in lowa Counties, 1983-1991 (continued).

		Ave	rage Er	nrollmer	nt in Mo	onths Us	sed		I		•		f Stude Months					_		of Stals in		_		
County	1990 - 1991	1989 - 1990	1988- 1989	1987 - 1988	1986- 1987	1985 - 1986	1984 - 1985	1983 - 1984	1990- 1991	1989 - 1990	1988- 1989	1987- 1988	1986- 1987	1985 - 1986	1984 - 1985		1990- 1991	1989- 1990		1987- 1988	1986- 1987	1985- 1986		1983 1984
Honona	1892	1925	1912	1882	1933	1938	1971	2020	573	539	576	585	591	639	552	508	138	132	112	120	153	153	129	158
Monroe	1316	1293	1274	1340	1331	1402	1437	1443	358	321	349	389	425	425	386	373	92	97	100	84	62	96	98	122
Montgomery	1989	2066	1987	2120	2004	1973	2044	2076	338	345	331	365	395	402	375	354	91	110	126	125	121	130	129	123
Muscatine	7273	7276	7204	7208	7219	7245	7122	7056	1766	1587	1514	1492	1455	1322	1238	1191	417	347	384	384	371	332	309	311
O'Brien	3201	3093	3107	3046	3134	3124	3031	3028	469	453	501	564	623	600	449	407	310	246	242	209	249	261	232	232
Osceole	926	1016	940	968	976	1030	1057	1292	145	163	155	173	217	230	198	169	100	94	83	85	102	81	91	106
Page	3008	3176	3076	3089	3091	3207	3229	3045	584	604	565	653	724	680	645	682	210	208	204	192	201	210	178	157
Palo Alto	2317	2311	2255	2212	2199	2215	2319	2341	579	532	557	625	669	679	481	432	193	169	168	161	194	171	160	143
Plymouth	4434	4971	4996	4955	4282	4861	4885	4853	606	750	803	830	885	987	829	693	273	341	317	342	299	373	313	284
Pocahontas	1800	1790	1738	1768	1743	1789	1872	1936	383	307	314	355	418	435	385	350	159	174	149	156	129	112	97	111
Polk	53487	52846	50778	50616	49740	49394	51289	51696	9244	8691	8746	9288	9548	9744	9449	10119	2638	2393	2538	2359	2418	2313	2252	2392
Pottawattemie	15709	15295	15430	15502	15946	16483	16610	16937	3399	3112	3091	3206	3121	3267	3205	3278	822	832	811	848	912	854	902	934
Poweshiek	2793	2822	2860	2883	2899	2895	2962	2998	423	365	371	399	420	488	416	368	132	145	100	94	138	121	144	158
Ringgold	985	1006	995	992	994	993	1049	1070	302	315	317	312	323	338	346	328	94	71	80	72	77	53	58	55
Sac	2389	2414	2362	2331	2322	2324	2354	2362	517	524	546	572	617	630	534	595	202	234	232	266	309	232	230	242
Scott	28473	28207	27704	27823	27678	28349	29786	29959	5859	5884	5607	5754	5729	5795	5607	5458	996	918	923	842	897	874	889	972
Shelby	2627	2601	2581	2599	2634	2684	2775	2797	493	441	435	489	517	448	393	365	181	180	160	155	137	164	142	162
Sicux	6749	6464	6501	6396	6329	6402	6346	6458	989	989	1050	1246	1451	1431	1135	975	683	663	633	601	577	548	474	490
Story	9570	9407	9300	9200	9106	8989	9027	9055	1251	1213	1220	1287	1315	1273	1132	1137	499	405	437	440	461	420	376	417
Tama	3413	3432	3474	3564	3581	3593	3502	3549	785	720	757	820	926	949	792	764	298	3 20	261	25 8	249	261	216	176
Taylor	1375	1359	1414	1363	1386	1389	1433	1497	384	371	394	445	482	559	468	473	96	100	118	105	119	97	134	131
Union	2294	2376	2409	2405	2428	2426	2476	2503	542	541	550	555	611	606	552	547	167	177	159	186	178	179	172	188
Van Buren	1399	1400	1405	1431	1457	1449	1499	1517	342	337	333	335	364	406	412	381	107	92	80	96	121	77	105	120
Wapello	6688	6564	6700	6769	6943	7196	7376	7410	1967	2034	2050	2166	2346	2234	2154	1977	417	334	388	363	385	410	608	397
Warren	6717	6634	6465	6561	6483	6703	6722	6556	645	604	628	868	<i>7</i> 25	771	725	724	249	292	264	259	224	240	250	29 0
Washington	3644	3599	3686	3660	3660	3675	3693	3658	536	533	518	562	611	597	488	439	186	140	170	156	184	165	163	186
Wayne	1214	1192	1193	1196	1236	1239	1280	1347	330	343	356	359	382	406	387	377	111	70	64	85	74	60	53	70
Webster	6703	6526	6749	6622	6772	6862	7005	7099	1533	1481	1516	1592	1588	1789	1641	1551	456	491	497	476	474	484	491	572
Winnebago	2790	2757	2815	2787	2756	2676	2743	2723	404	356	347	378	456	485	409	381	168	151	131	121	143	134	98	172
Winneshiek	3181	3173	3213	3116	3134	3150	3104	3123	482	491	529	534	599	642	524	516	231	197	201	197	184	152	130	156
Woodbury	•			17788	17014	16860	16804	17127	4211	3994	4070	4111	4320	4189	3928	3750	1096	894	887	929	846	875	826	880
Worth	1110	a 		1154	1222		1269	1275	191			_		261	192	221	109	94	97	96	111	98	118	124
Wright	2574							2843	439	410	390	471	490	502	445	414	190	208	199	171	222	197	159	191

State of Iowa 498375 494454 491083 493034 493328 496697 507262 514671 91826 88983 90009 96058 104328 105037 95225 94223 29551 27140 26953 27063 27963 27015 26357 27763

Table 2. Percent Enrolled Who Received Free or Reduced-Price School Meals in Selected Months in Iowa Counties, 1983-1991.

	1990-	1989-	1988 -	1987-	1986-	1985 -	1984-	1983-
County	1991	1990	1989	1988	1987	1986	1985	198
Adair	32.2	29.2	28.5	30.9	35.2	36.5	29.8	29.0
Adams	30.0	28.3	31.3	26.4	34.7	34.3	29.6	25.7
Allamakee	25.4	24.7	24.3	25.9	27.5	27.9	25.3	24.9
Appanoose	39.2	38.1	37.9	40.1	39.5	42.1	41.2	38.1
Audubon	27.2	21.6	22.1	24.3	26.9	26.4	22.0	20.1
Benton	25.2	23.0	23.2	25.3	26.8	25.0	22.8	23.5
Black Hawk	28.3	28.2	28.6	30.7	36.1	32.5	28.7	27.7
Boone	18.7	19.0	19.1	19.4	21.9	23.4	22.2	20.2
8remer	17.8	16.8	18.0	21.5	25.8	21.5	16.3	15.3
Buchanan	25.3	26.5	26.7	29.5	34.7	33.7	29.2	27.3
Buena Vista	28.8	27.8	26.4	29.3	30.8	28.6	26.5	26.0
Butler	26.7	24.1	22.7	25.0	30.6	29.1	20.9	21.0
Cathoun	25.4	23.5	24.1	26.3	29.5	29.5	21.3	21.0
Carroll	24.1	22.7	24.7	25.5	28.0	26.5	20.7	20.6
Cass	28.0	27.4	28.6	28.9	31.0	30.2	26.8	23.0
Cedar	15.5	16.3	16.7	17.8	17.9	17.3	16.1	23.0 15.3
Cerro Gordo	23.8	22.4	23.6	24.1	24.4	23.8	20.5	
Cherokee	23.7	23.0	25.2	26.1	28.4	29.9	25.6	21.2
Chickasaw	24.3	24.4	23.6	26.0	29.1	26.8	22.6	23.8
Clarke	29.6	28.9	32.4	22.1	36.8	36.8		23.8
Clay	25.7	25.4	25.4	28.6	29.3	29.3	30.7	29.0
Clayton	25.1	23.3	25.3	28.0	30.3	30.6	23.2	22.6
Clinton	20.1	19.8	20.2	20.3	22.2	23.8	26.0	26.6
Crawford	29.6	29.6	27.0	27.7	29.3		21.1	20.8
Dallas	19.2	17.8	17.1	19.9	21.1	28.3	23.8	22.5
Davis	29.7	28.8	28.1	33.2	35.1	22.5	21.3	21.3
Decatur	40.8	39.5	39.0	38.5	39.5	35.4	33.5	34.5
Delaware	21.0	21.5	23.0	22.7	26.5	37.5	34.4	34.5
es Moines	24.2	23.1	23.8	23.8		27.3	23.9	24.2
ickinson	21.5	23.1	24.6	25.4	22.4	23.6	23.6	22.8
)ubuque	21.6	21.4	21.5		26.6	27.1	23.1	20.7
imne t	32.7	33.3	35.4	23.1 36.9	26.8	25.1	23.6	24.3
ayette	25.9	25.6	26.1		38.3	38.5	30.5	28.0
loyd	33.3	32.7	34.3	28.8	32.4	31.2	28.8	27.2
ranklin	28.7	28.9	28.9	36.2	36.6	38.8	33.3	34.3
remont	27.9	26.5	27.2	30.5	31.1	30.3	25.1	26.2
reene	31.7	29.8	33.4	28.9	30.4	32.3	29.1	27.1
rundy	17.6	13.8	33.4 14.8	30.9	33.6	33.5	29.8	27.2
uthrie	25.8	24.1	26.9	17.5	20.5	16.9	14.5	14.0
amilton	24.9	22.4		29.4	32.6	34.0	28.8	29.4
ancock	27.1	23.3	22.1	25.4	25.6	26.0	22.7	23.4
ardin	31.2	31.5	23.2	25.4	26.6	25.8	18.0	17.6
arrison	31.1		30.3	31.1	32.1	33.6	29.2	28.1
enry	20.0	30.0 19.4	30.5	30.7	32.4	33.3	32.9	31.1
oward .	28.1		18.9	19.3	21.1	22.7	21.6	23.6
umboldt	23.4	26.8	29.7	30.1	32.6	32.8	29.0	28.2
da .	26.7	23.2	24.6	28.0	30.4	32.1	30.0	27.0
one one		26.2	27.4	31.5	35.6	32.1	27.6	23.1
nckson	19.1	17.0	17.5	18.9	20.0	20.7	17.0	17.9
isper	24.2	23.9	23.9	24.8	29.1	28.9	24.9	24.1
-ahe:	15.9	15.1	14.9	15.9	17.9	19.2	18.7	19.7

Table 2. Percent Enrolled Who Received Free or Reduced-Price School Meals in Selected Months in Iowa Counties, 1983-1991 (continued).

	1990-	1989-	1988 -	1987-	1986-	1985 -	1984 -	1983 -
County	1991	1990	1989	1988	1987	1986	1985	1984
Jefferson	19.1	18.4	18.1	18.5	21.3	21.4	20.2	22.2
Johnson	15.0	14.7	14.6	14.7	15.2	15.4	13.7	14.0
Jones	24.0	23.3	22.5	23.4	26.0	25.8	22.7	23.8
Keokuk	26.8	25.3	22.2	24.6	25.8	27.0	24.0	23.0
Kossuth	24.8	24.2	24.5	28.3	29.9	29.9	19.8	19.7
Lee	21.8	20.7	21.8	22.0	23.4	25.0	22.2	22.9
Linn	22.0	20.5	20.3	20.8	21.6	23.0	22.0	22.3
Louisa	22.9	21.9	20.8	21.1	23.2	24.7	22.5	22.9
Lucas	25.1	24.0	25.5	26.0	29.5	29.7	29.0	28.5
Lyon	22.8	25.0	27.1	29.1	31.1	31.0	25.2	22.6
Madi son	23.3	22.7	23.4	24.9	27.0	28.7	24.3	25.4
Mahaska	30.0	30.1	30.6	32.1	34.7	36.1	32.6	35.0
Marion	18.7	17.8	18.3	19.3	21.8	22.1	21.1	21.2
Marshall	25.1	22.6	23.0	23.4	30.0	23.2	22.7	21.5
Milis	23.6	21.4	19.2	21.1	23.0	24.2	23.3	24.1
Mitchell	24.8	24.4	25.2	30.9	31.8	33.0	24.1	22.1
Monona	37.6	34.9	36.0	37.5	38.5	40.9	34.6	33.0
Monroe	34.2	32.3	35.2	35.3	36.6	37.2	33.7	34.3
Montgomery	21.6	22.0	23.0	23.1	25.7	27.0	24.7	23.0
Muscatine	30.0	26.6	26.3	26.0	25.3	22.8	21.7	21.3
O'Brien	24.3	22.6	23.9	25.4	27.8	27.6	22.5	21.1
Osceola	26.5	25.3	25.3	26.7	32.7	30.2	27.3	21.3
	26.4	25.6	25.0	27.4	29.9	27.8	25.5	27.6
Page	33.3	30.3	32.2	35.5	39.2	38.4	27.6	24.6
Palo Alto Plymouth	19.8	21.9	22.4	23.7	27.7	28.0	23.4	20.
Pocahontas	30.1	26.9	26.6	28.9	31.4	30.6	25.7	23.8
	22.2	21.0	22.2	23.0	24.1	24.4	22.8	24.2
Polk	26.9	25.8	25.3	26.2	25.3	25.0	24.7	24.9
Pottawattamie	19.9	18.1	16.5	17.1	19.2	21.0	18.9	17.5
Poweshiek		38.4	39.9	38.7	40.2	39.4	38.5	35.6
Ringgold	40.2	30.4 31.4	32.9	36.0	39.9	37.1	32.5	35.4
Sac	30.1		23.6	23.7	23.9	23.5	21.8	21.5
Scott	24.1	24.1			24.8	22.8	19.3	18.8
Shelby	25.7	23.9	23.1	24.8		30.9	25.4	22.3
Sioux	24.8	25.6	25.9	28.9	32.0	18.8	16.7	17.2
Story	18.3	17.2	17.8	18.8	19.5	33.7	28.8	26.
Tame	31.7	30.3	29.3	30.2	32.8		42.0	40.3
Taylor	34.9	34.7	36.2	40.4	43.4	47.2		29.
Union	30. 9	30.2	29.4	30.8	32.5	32.4	29.2 7/ 5	33.0
Van Buren	32.1	30.6	29.4	30.1	33.3	33.3	34.5	
Wapello	35.6	36.1	36.4	37.4	39.3	36.7	37.4	32.4
Warren	13.3	13.5	13.8	17.2	14.6	15.1	14.5	15.5
Washington	19.8	18.7	18.7	19.6	21.7	20.7	17.6	17.
Wayne	36.3	34.6	35.2	37.1	36.9	37.6	34.4	33.3
Webster	29.7	30.2	29.8	31.2	30.4	33.1	30.4	29.1
Winnebago	20.5	18.4	17.0	17.9	21.7	23.1	18.5	20.
Winneshiek	22.4	21.7	22.7	23.5	25.0	25.2	21.1	21.
Woodbury	28.8	27.3	27.5	28.3	30.4	30.0	28.3	27.
Worth	27.0	25.7	24.1	25.2	28.8	29.3	24.4	27.
Wright	24.4	23.6	22.3	24.5	26.5	25.2	21.2	21.
State of Ioua	24.4	23.5	23.8	25.0	26.8	26.6	24.0	23.

Medical Services Provided Under Title XIX of the Social Security Act in Iowa's Counties: 1980-1990

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

Medical assistance is provided to lowans 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 facilities, and physician, clinic, laboratory, ambulance, and home health services, among others. For the most part, this program is known as medicald, although it also serves some others with medical needs. The lowa Department of Human Services administers the program and maintains information on the number of persons eligible for and receiving benefits each month. Eligibility is determined primarily on the basis of income, although other factors enter as well; recipients include those who received some type of medical assistance for which payment was made during a month covered by a report. For this report, averages of both those eligible and those actually receiving benefits were calculated for each year from 1980 through 1990; numbers from monthly reports were summed and divided by 12.

Persons Eligible for Title XIX Assistance

In 1990, lowa averaged over 192,000 persons eligible for Title XIX medical benefits each month (Table 1). Although there was year-to-year variation, there was a general upward trend throughout the decade. The figure for 1982, the lowest of the decade, was nearly 148,000 (Table 2).

Polk averaged 23,690 persons eligible for medical assistance each month in 1990, the highest of any county. Black Hawk (12,748), Linn (10,404), and Scott (14,654) were the only other counties with more than 10,000. Forty counties had from 1,000 to 9,999 persons eligible for Title XIX assistance. Osceola (276) was the only county with fewer than 300 persons eligible while three others (Adams, Audubon, Ida) were below 400.

The state averaged 35,086 more persons eligible for the Title XIX program in 1990 than in 1980. Ninety-two counties followed that pattern with more persons eligible for the program at the end of the period than the beginning. Seven (Black Hawk, 2,854; Clinton, 1,819; Linn, 2,108; Polk, 2,664; Scott, 4,811; Wapello, 1,018; Woodbury, 1,390) reported at least 1,000 more persons eligible in 1990 than in 1980. The seven counties with declines between the two years were led by Allamakee's decrease of 134.

In percentage terms, Iowa had 22.3% more persons eligible for Title XIX assistance in 1990 than in 1980. Forty counties had percentage increases larger than that for the state. Seven (Adams, 67.6%; Clinton, 73.8%; Crawford, 64.0%; Johnson, 50.8%; Keokuk, 59.5%; Monroe, 57.1%; Shelby, 54.0%) had gains of more than 50%. For 52 other counties with more persons eligible in 1990 than in 1980, the percentage gains were lower than that for the state. The seven counties with fewer eligible for the medical program in 1990 than in 1980 experienced percentage declines from 1.6% to 15.8%, although only one had a decrease of at least 10% (Allamakee, -15.8%).

Persons Receiving Title XIX Assistance

Because not everyone uses medical services even though eligible for the program, the average number of recipients served is lower than the number eligible for benefits. During an average month in 1990, nearly 135,000 lowans actually received medical assistance (Table 1). That was the highest average number of recipients in the decade. As with the number of persons eligible, there was a general upward trend in recipients throughout the 11 years studied (Tables 1 and 2).

Table 1. Average Monthly Number Eligible and Average Monthly Number Receiving Title XIX Benefits in Iowa Counties, 1986-1990.

	19	29 0	19	89	19	988	15	987	19	986
County	Elig.	Recip.	Elig.	Recip.	Elig.	Recip.	Elig.	Recip.	Elig.	Recip.
Adair	445	328	375	280	368	271	423	308	472	311
Adams	362	265	329	234	336	238	376	263	341	238
Allamakee	716	519	685	482	671	474	697	492	749	501
Appanoose	1782	1257	1767	1167	1752	1184	1762	1179	1829	1152
Audubon	372	294	348	272	331	249	331	251	351	251
Benton	1315	910	1143	767	1119	722	1157	761	1086	690
Black Hawk	12748	8797	12719	7725	12405	7503	13283	8138	13413	76 <i>7</i> 5
Boone	1850	1493	1881	1479	1837	1394	1865	1445	1902	1418
Bremer	925	638	826	548	862	574	972	613	1020	593
Buchanan	1547	1097	1547	1051	1593	1081	1765	1183	1805	1106
Buena Vista	979	725	907	640	909	647	938	645	950	597
Butler	971	706	894	645	918	642	976	663	994	624
Calhoun	703	539	665	490	639	473	718	520	696	474
Carroll	1119	850	1053	755	902	670	943	710	889	604
Cass	964	<i>7</i> 31	880	649	838	615	887	647	920	625
Cedar	897	622	839	543	798	540	845	556	<i>7</i> 78	468
Cerro Gordo	3438	2489	3184	2228	3047	2084	3063	2106	2969	1891
Cherokee	746	561	680	505	665	483	<i>7</i> 32	510	718	496
Chickasaw	649	491	622	418	607	424	679	463	651	430
Clarke	685	456	608	420	628	425	689	468	661	405
Clay	1091	798	1034	716	1002	709	1078	749	1110	707
Clayton	1060	<i>7</i> 58	984	677	939	635	942	630	975	614
Clinton	4284	2899	4009	2565	3772	2351	3950	2494	4156	2425
Crawford	1356	914	1059	726	990	651	1006	657	954	604
Dallas	1529	1141	1481	1027	1372	956	1542	1058	1597	1021
Davis	717	514	710	477	695	457	735	476	651	406
Decatur	859	628	796	570	778	554	792	563	766	516
Delaware	1006	699	1023	657	1069	669	1165	746	1230	694
Des Moines	3692	2445	3519	2186	3208	1990	3298	2101	3385	1981
Dickinson	664	491	686	457	635	412	637	417	615	370
Dubuque	5049	3429	4933	3398	4926	3382	5349	3423	5560	3228
Envire t	859	638	814	576	780	542	865	594	925	569
Fayette	1636	1152	1468	1026	1405	947	1498	999	1471	925
Floyd	1372	1000	1299	893	1188	825	1286	883	1342	870
Franklin	675	490	602	418	556	394	565	395	576	372
Fremont	627	465	621	448	599	436	622	443	604	397
Greene	629	432	560	364	559	350	583	372	611	376
Grundy	437	333	416	304	396	291	448	323	447	312
Guthrie	750	556	713	511	763	549	841	600	787	534
Hamilton	919	741	869	663	855	644	914	674	862	579
Hancock	578	427	505	367	458	325	486	340	483	320
Hardin	1127	869	1035	777	1025	714	1016	717	986	656
larrison .	1223	897	1117	800	1055	742	1056	728	1004	651
Henry	1172	809	1045	707	909	619	893	623	952	626
loward	600	447	532	387	487	357	530	373	573	381
fumbol dt	607	466	585	427	570	408	585	436	583	389
lda	340	273	339	252	331	253	351	265	330	233
lous	572	410	464	330	457	322	505	359	508	328
Jackson	1501	1075	1486	973	1524	1013	1611	1043	1683	1021
Jasper	1891	1408	1797	1254	1809	1309	1987	1383	2097	1349

Table 1. Average Monthly Number Eligible and Average Monthly Number Receiving Title XIX Benefits in Iowa Counties, 1986-1990 (continued).

	19	290	19	989	19	988	19	987	1	1986	
County	Elig.	Recip.	Elig.	Recip.	Elig.	Recip.	Elig.	Recip.	Elig.	Recip	
Jefferson	1141	818	1025	730	928	665	950	670	886	583	
Johnson	2790	1942	2479	1628	2281	1485	2254	1452	2163	1283	
Jones	1006	726	984	676	989	653	1016	683	1067	647	
Keokuk	954	648	915	594	858	585	861	583	846	535	
Kossuth	886	647	748	520	679	461	729	493	714	439	
Lee	3532	2414	3342	2247	3175	2049	3344	2135	3419	2071	
Linn	10404	7533	9793	6484	9678	6231	10398	6620	10501	6279	
Louisa	832	529	760	496	766	480	861	521	873	481	
Lucas	834	639	809	588	799	602	854	634	894	606	
Lyan	445	318	401	273	372	257	368	252	377	228	
Madison	741	562	729	534	669	504	696	537	719	519	
Mahaska	1819	1314	1674	1092	1580	1074	1634	1116	1661	1050	
Marion	1546	1090	1460	991	1442	962	1515	1011	1594	976	
Marshall	2659		2487	1645	2379	1514	2499	1614	2394	1475	
Mills	1428	1213	1423	1229	1469	1243	1521	1273	1546	1268	
Mitchell	440	338	434	324	437	316	434	313	415	284	
Monona	947	712	832	577	806	571	873	619	871	5 <i>7</i> 3	
Monroe	858	642	842	594	859	593	835	592	841	571	
Montgomery	814	598	763	548	720	521	792	567	811	527	
Muscatine	3383	2284	3158	1947	2981	1789	3217	1936	3223	1819	
O'Brien	697		641	491	680	496	720	506	664	443	
Osceol a	276	198	266	186	237	168	242	170	289	178	
Page	1437	1080	1432	1040	1331	972	1354	1011	1384	968	
Palo Alto	698	535	645	481	637	471	683	513	710	492	
Plymouth	904	659	881	622	845	584	837	574	863	553	
Pocahontas	487		427	317	385	273	414	292	439	293	
Polk	23690	16430	21806	14094	20853	13628	21261	13388	21433	12701	
Pottawattamie	7080	5113	6489	4319	6212	4081	6240	4049	6252	3885	
Poweshiek	871		761	556	782	554	847	605	900	568	
Ringgold	482	380	489	363	492	365	511	376	471	328	
Sac	685	526	647	463	561	404	544	391	591	397	
Scott	14654		13647	9028	13209	8957	13549	8244	13331	7061	
Shelby	724		582	461	561	425	580	435	561	392	
Sioux	916		912	668	827	589	857	597	832	569	
Story	2228		1927	1323	1750	1198	1880	1241	1792	1119	
Tame	1083		983	703	985	698	1048	720	1004	636	
Taylor	613		558	374	519	348	561	389	592	377	
Union	1261		1249	836	1150	772	1214	830	1236	791	
Van Buren	537		487	314	496	317	495	322	512	314	
Wapello	4177		4021	2635	4077	2634	4324	2753	4224	2538	
Warren	1745		1610	1177	1529	1113	1632	1177	1657	1121	
Washington	1132		1043	737	1000	679	983	653	960	610	
Wayne	670		610	445	598	430	596	429	623	417	
Webster	3844		3585	2352	3358	2166	3539	2235	3503	2081	
Winnebago	564		489	347	433	325	462	334	478	336	
Winneshiek	801		780	530	765	503	770	490	789	469	
Woodbury	9357		8531	5078	8287	4901	8651	5122	8253	4636	
Worth	472		390	268	376	264	433	298	437	276	
Wright	832		757	570	744	546	802	590	843	574	
State of Iowa	192410	134779	180158	119766	173879	115019	181934	118116	182454	110511	

Table 2. Average Monthly Number Eligible and Average Monthly Number Receiving Title XIX Benefits in Iowa Counties, 1980-1985.

	19	85	19	184	19	83	19	82	19	81	19	08
County	Elig.	Recip.	Elig.	Recip.	Elig.	Recip.	Elig.	Recip.	Elig.	Recip.	Elig.	Recip.
Adair	437	286	405	263	391	246	352	230	392	263	396	249
Adams	301	208	246	165	214	137	176	119	207	137	216	145
Allamakee	738	476	706	448	681	435	703	441	796	496	850	507
Appanoose	1790	1102	1793	1017	1695	963	1504	858	1505	914	1537	914
Audubon	342	243	277	196	284	203	298	202	348	223	358	221
Benton	1118	701	1107	662	1013	569	918	515	943	537	911	487
Black Hawk	12666	7106	12058	6415	10340	5450	9404	4953	9855	5200	9894	5080
Boone	1895	1425	1857	1360	1809	1323	1739	1275	1831	1350	1881	1367
Bremer	975 1684	564	953	512	824	444	737	419	792	434	713	375
Buchanan Buena Vista	1004 874	1024 551	1485	859 479	1334	752 / 77	1083	640	1113	634	1126	616
Butler	936	582	781 853	478 5/3	772	477 797	762 457	454	836	506	840	484
Calhoun	621	429	590	543	775 573	483 770	653	426	739	467	779	474
Carroll	820	565	817	414 553	573 79/	378 573	546	368	614	420	638	421
Cass	889	596	812	547	784 753	532	767	542	824	548	814	536
Cedar	707	430	636	388	752	498	761	504	901	566	849	514
Cerro Gordo	2697	1714	2618	1655	665 2702	377 1665	663 2652	365 1430	697	404	766	419
Cherokee	676	455	660	451	637	416	265 <i>2</i> 605	1620 409	2903	1753	2884	1699
Chickasaw	637	391	594	342	518	309			676	425	724	446
Clarke	630	378	533	330	562	340	420 533	264 707	485	292	505	303
Clay	1042	653	942	589	938	586	522 870	307	486	283	479	296
Clayton	953	576	932	572	937			554 535	976	603	898	550
Clinton	4035	2213	3529	1959	3275	568 1738	880 2692	525 1/30	926	546	952	550
Crawford	841	530	33E7 777	512	822	508	2092 746	1470 462	2666 762	1463	2465	1320
Dallas	1564	982	1470	903	1386	815	1196	738	1251	469 777	827	470
Davis	673	410	651	381	611	341	499	300	522	325	1223 555	723 336
Decatur	726	488	677	447	679	443	682	430	760	323 487	751	336 473
Delaware	1136	649	1033	579	958	532	822	459	912	504	915	473
Des Moines	3305	1914	3060	1706	2948	1617	2751	1454	2991	1540	2896	1539
Dickinson	605	366	584	362	630	370	614	364	633	392	643	387
Dubuque	5517	3150	5391	3034	5118	2832	4305	2376	4337	2495	4292	2415
Emmet	840	502	725	449	690	430	635	396	680	435	691	417
Fayette	1386	878	1302	775	1255	739	1136	672	1185	696	1168	659
Floyd	1222	773	1183	722	1136	708	1050	635	1132	686	1084	661
Franklin	540	345	549	353	545	343	504	327	577	369	616	386
Fremont	582	362	511	318	475	313	428	286	510	332	538	346
Greene	589	359	558	336	530	322	505	307	572	355	575	333
Grundy	436	299	415	262	392	255	347	229	400	252	386	244
Guthrie	749	501	700	464	659	419	617	392	660	433	673	405
lamilton	768	531	800	534	786	494	741	454	811	505	829	506
lencock	446	284	412	259	436	280	432	267	511	312	521	303
lerdin	930	625	890	588	905	573	944	587	1008	615	976	614
larrison .	1023	671	1031	636	1013	624	912	564	987	611	1035	622
len ry	1011	626	993	610	948	596	809	490	876	546	948	553
loward	602	366	580	360	584	359	509	340	552	370	577	373
lumbol dt	553	366	460	297	465	310	452	315	523	330	503	321
da	296	212	272	198	282	202	275	209	295	224	310	223
она	440	284	389	244	419	270	379	242	434	269	440	265
lackson	1561	937	1485	873	1365	779	1135	645	1040	638	1062	623
lasper	2007	1305	1899	1199	1912	1138	1745	1042	1886	1120	1834	1033

Table 2. Average Monthly Number Eligible and Average Monthly Number Receiving Title XIX Benefits in Iowa Counties, 1980-1985 (continued).

	19	85	19	84	19	83	19	82	19	81	19	80
County	Elig.	Recip.	Elig.	Recip.	Elig.	Recip.	Elig.	Recip.	Elig.	Recip.	Elig.	Recip.
Jefferson	842	534	833	539	840	528	826	505	818	539	907	560
Johnson	1958	1164	1808	1038	1762	1003	1689	977	1894	1053	1850	1009
Jones	981	602	944	560	914	534	902	491	909	520	949	504
Keokuk	754	472	665	437	602	386	535	355	597	379	598	380
Kossuth	654	404	627	385	653	401	657	385	753	434	745	423
Lee	3388	1985	3269	1856	3117	1743	2730	1536	2720	1537	2621	1459
Lim	10159	6031	9845	5586	9398	5252	8496	4501	8555	4650	8296	4398
Louisa	869	480	893	471	792	413	692	358	732	395	792	409
Lucas	886	598	888	575	827	549	757	489	773	506	848	529
Lyon	364	218	355	206	329	197	331	200	340	193	309	182
Madison	705	497	681	459	670	445	594	408	600	408	623	414
Mahaska	1541	985	1462	894	1443	848	1308	777	1413	817	1415	804
Marion	1483	915	1469	882	1415	817	1227	725	1312	815	1367	773
Marshall	2246	1374	2249	1335	2099	1247	1708	1158	2189	1252	2284	1264
Mills	1597	1281	1475	1217	1426	1192	1443	1203	1559	1252	1527	1211
Mitchell	404	273	411	270	436	284	414	265	433	279	447	297
Monona	797	517	768	513	753	503	703	466	710	467	712	457
Monroe	747	498	638	422	635	404	552	3 50	556	376	546	335
Montgomery	776	524	690	456	665	445	659	414	673	431	684	414
Muscatine	3013	1665	2709	1481	2506	1391	2305	1263	2364	1358	2419	1337
O'Brien	618	422	621	413	608	415	571	400	671	459	653	447
Osceola	273	163	227	134	213	123	190	113	207	124	242	143
Page	1275	883	1179	785	1160	<i>7</i> 71	1037	661	1098	<i>7</i> 31	1133	731
Palo Alto	713	488	637	431	641	426	641	429	710	479	770	482
Plymouth	760	493	700	463	699	457	664	431	771	483	768	471
Pocehontas	441	295	440	278	426	267	416	266	465	303	475	309
Polk	21336	12237	21201	11870	21147	11548	19995	10725	21830	11705	21026	11010
Pottawattamie	6219	3856	6184	3697	6316	3728	6192	3634	6893	4012	6828	3854
Poweshiek	864	526	768	446	739	427	670	393	740	430	701	399
Ringgold	488	335	427	278	395	258	372	254	390	271	408	
Sec	591	388	580	369	528	335	489		536	334	541	330
Scott	12880	6605	12228	6204	11168	5640	9827	4814	9894	5031	9843	4784
Shelby	538	371	501	341	490	338	469	312	486	320	470	
Sioux	772	526	683	461	704	472	719		771	484	801	466
Story	1666	1035	1490	915	1402	881	1301	809	1488	889	1552	
Tame	956	606	924	557	911	548	886		999	595	1040	
Taylor	581	384	548	363	510	334	438		472	287	496	
Union	1163	734	1055	659	983	633	911		961	610	966	
Van Buren	525	312	519	303	478	265	401		439	265	502	
Wapello	3824	2330	3674	2183	3423	1992	2959		3086	1802	3159	
Warren	1705	1117	1660	1042	1608	998	1409	871	1518		1489	
Washington	916	581	812	518	719	463	714		795	517	830	
Wayne	637		636	394	602	383	562		587		604	
Webster	3282		3225	1852	3043		2862		3092		3292	
Winnebago	458	306	415	298	468	312	439		522		505	
Wirmeshiek	726	426	675	381	660		624		699		697	
Woodbury	7898	4444	7737	4085	7498	4006	7105		7819		7967	
Worth	403	247	396	244	385	226	389		408		394	
Wright	787	522	750	466	726	470	694	437	831	518	892	529
State of Iowa	175247	104481	167547	97838	160348	92924	147698	84843	157396	91080	157324	88903

Table 3. Average Monthly Number Eligible for Title XIX Benefits as a Percentage of Total Population in Iowa Counties, 1980-1990.

County	1990	1989*	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	5.3	4.5	4.3	4.9	5.4	4.9	4.4	4.2	3.8	4.1	4.2
Adams	7.4	6.8	6.3	7.0	6.4	5.5	4.4	3.8	3.1	3.6	3.8
Allamakee	5.2	4.9	4.5	4.7	5.0	4.8	4.6	4.4	4.7	5.3	5.6
Appanoose	13.0	12.9	12.3	12.3	12.8	12.3	12.1	11.3	9.9	9.8	9.9
Audubon	5.1	4.7	4.4	4.3	4.4	4.2	3.3	3.4	3.5	4.1	4.2
Benton	5.9	5.1	4.9	5.1	4.8	4.9	4.8	4.4	3.9	4.0	3.9
Black Hawk	10.3	10.3	10.0	10.6	10.6	9.6	8.9	7.6	6.8	7.1	7.2
Boone	7.3	7.5	7.2	7.3	7.5	7.3	7.1	6.9	6.7	7.0	7.2
Bremer	4.1	3.6	3.7	4.2	4.3	4.0	3.9	3.3	3.0	3.2	2.9
Buchanan	7.4	7.4	7.3	8.2	8.3	7.5	6.5	5.8	4.7	4.8	4.9
Buena Vista	4.9	4.5	4.5	4.6	4.6	4.2	3.7	3.7	3.7	4.0	4.0
Butler	6.2	5.7	5.6	6.0	6.0	5.5	4.9	4.5	3.7	4.2	4.4
Calhoun	6.1	5.8	5.3	5.9	5.7	4.9	4.5	4.3	4.1	4.5	4.7
Carroll	5.2	4.9	4.0	4.2	4.0	3.6	3.6	3.4	3.4	3.6	3.5
Cass	6.4	5.8	5.4	5.7	5.8	5.4	4.7	4.4	4.5	5.3	5.0
Cedar	5.2	4.8	4.4	4.7	4.2	3.8	3.4	3.5	3.5	3.7	4.1
Cerro Gordo	7.4	6.8	6.3	6.4	6.1	5.5	5.4	5.6	5.5	6.0	6.0
Cherokee	5.3	4.8	4.5	4.9	4.8	4.3	4.2	4.0	3.8	4.2	4.5
Chickasaw	4.9	4.7	4.2	4.7	4.4	4.2	3.9	3.3	2.7	3.1	3.3
Clarke	8.3	7.3	7.1	7.9	7.7	7.3	6.1	6.4	5.9	5.6	5.6
Clay	6.2	5.9	5.7	6.1	6.1	5.6	4.9	4.8	4.5	5.0	4.6
Clayton	5.6	5.2	4.6	4.7	4.8	4.5	4.4	4.4	4.2	4.4	4.5
Clinton	8.4	7.9	7.1	7.5	7.8	7.4	6.4	5.8	4.7	4.7	4.3
Crawford	8.1	6.3	5.4	5.5	5.2	4.4	4.0	4.3	3.9	4.0	4.4
Dallas	5.1	5.0	4.5	5.2	5.4	5.2	4.9	4.7	4.1	4.2	4.1
Davis	8.6	8.5	8.0	8.4	7.3	7.5	7.2	6.7	5.5	5.7	6.1
Decatur	10.3	9.5	9.0	9.1	8.6	8.0	7.3	7.2	7.0	7.8	7.7
Delaware	5.6	5.7	5.7	6.2	6.6	5.9	5.4	5.0	4.3	4.8	4.8
Des Moines	8.7	8.3	7.2	7.5	7.7	7.4	6.8	6.5	6.0	6.4	6.3
Dickinson	4.5	4.6	4.2	4.2	4.0	3.9	3.8	4.1	4.0	4.1	4.1
Dubuque	5.8	5.7	5.4	5.9	6.1	6.0	5.9	5.6	4.6	4.6	4.6
Emmet	7.4	7.0	6.7	7.5	7.8	6.8	5.7	5.4	4.8	5.1	5.2
Fayette	7.5	6.7	6.2	6.6	6.3	5.7	5.2	5.0	4.5	4.7	4.6
Floyd	8.0	7.6	6.6	7.1	7.3	6.4	6.2	5.9	5.4	5.8	5.5
Franklin	5.9	5.3	4.7	4.7	4.7	4.3	4.3	4.3	3.9	4.4	4.7
Fremont	7.6	7.5	6.8	7.0	6.8	6.5	5.6	5.2	4.7	5.5	5.7
Greene	6.3	5.6	5.2	5.3	5.5	5.1	4.8	4.5	4.2	4.7	4.7
Grundy	3.6	3.5	3.1	3.5	3.4	3.2	3.0	2.8	2.5	2.8	2.7
Guthrie	6.9	6.5	6.9	7.6	7.0	6.5	6.0	5.7	5.3	5.6	5.6
Hamilton	5.7	5.4	5.1	5.4	5.0	4.4	4.6	4.5	4.2	4.5	4.6
Hancock	4.6	4.0	3,4	3.7	3.6	3.3	3.0	3.2	3.2	3.7	3.8
tardin	5.9	5.4	5.2	5.1	4.8	4.4	4.1	4.2	4.4	4.6	4.5
larrison	8.3	7.6	6.6	6.7	6.3	6.4	6.4	6.3	5.6	6.1	6.3
lenry	6.1	5.4	4.8	4.7	5.1	5.5	5.4	5.1	4.3	4.7	5.0
loward	6.1	5.4	4.6	5.0	5.4	5.5	5.2	5.3	4.6	5.0	5.2
lumbol dt	5.6	5.4	5.0	5.2	5.0	4.6	3.8	3.8	3.7	4.3	4.1
da	4.1	4.1	3.8	4.1	3.8	3.3	3.1	3.2	3.1	4.3 3.3	3.5
она	3.9	3.2	3.1	3.4	3.4	2.9	2.6	2.8	2.5	2.8	2.9
lackson	7.5	7.4	7.0	7.4	7.7	7.0	6.6	6.1	5.1	4.6	
lasper	5.4	5.2	5.0	5.5	5.9	5.6	5.3	5.3	4.8	4.0 5.2	4.7 5.0

^{*1989} rates were calculated with 1990 population counts; 1989 population estimates were not available.

Table 3. Average Monthly Number Eligible for Title XIX Benefits as a Percentage of Total Population in lowa Counties, 1980-1990 (continued).

Jefferson Johnson Jones Keokuk Kossuth Lee Linn Louisa Lucas Lyon Madison Mahaska Marion	7.0 2.9 5.2 8.2 4.8 9.1 6.2 7.2 9.2 3.7 5.9	6.3 2.6 5.1 7.9 4.0 8.6 5.8 6.6 8.9 3.4	5.6 2.6 5.0 7.2 3.4 7.9 5.6 6.4	5.8 2.6 5.2 7.2 3.7 8.2 6.1	5.4 2.5 5.4 6.9 3.5 8.3	5.1 2.3 4.9 6.0	5.0 2.1 4.6	5.2 2.1 4.5	5.0 2.0 4.4	5.1 2.3 4.5	5.6
Jones Keokuk Kossuth Lee Linn Louisa Lucas Lyon Madison	5.2 8.2 4.8 9.1 6.2 7.2 9.2 3.7 5.9	5.1 7.9 4.0 8.6 5.8 6.6 8.9	5.0 7.2 3.4 7.9 5.6 6.4	5.2 7.2 3.7 8.2	5.4 6.9 3.5	4.9	4.6				
Keokuk Kossuth Lee Linn Louisa Lucas Lyon Madison Mahaska	8.2 4.8 9.1 6.2 7.2 9.2 3.7 5.9	7.9 4.0 8.6 5.8 6.6 8.9	7.2 3.4 7.9 5.6 6.4	7.2 3.7 8.2	6.9 3.5			4.5	44	4.5	
Kossuth Lee Linn Louisa Lucas Lyon Madison Mahaska	4.8 9.1 6.2 7.2 9.2 3.7 5.9	4.0 8.6 5.8 6.6 8.9	3.4 7.9 5.6 6.4	3.7 8.2	3.5	6.0			7.7	4.5	4.7
.ee .inn .ouisa .ucas .yon dadison dahaska	9.1 6.2 7.2 9.2 3.7 5.9	8.6 5.8 6.6 8.9	7.9 5.6 6.4	8.2	3.5		5.3	4.7	4.2	4.7	4.6
.inn .ouisa .ucas .yon Madison Mahaska	6.2 7.2 9.2 3.7 5.9	5.8 6.6 8.9	5.6 6.4		8.3	3.1	2.9	3.1	3.1	3.5	3.4
.ouisa .ucas .yon !adison !ahaska	7.2 9.2 3.7 5.9	6.6 8.9	6.4			8.1	7.7	7.4	6.4	6.4	6.
Lucas Lyon Hadison Hahaska	9.2 3.7 5.9	8.9			6.2	6.0	5.8	5.6	5.0	5.0	4.9
.yon ladison lahaska	3.7 5.9		_	7.2	7.3	7.2	7.4	6.5	5.7	6.0	6.6
.yon ladison lahaska	3.7 5.9		8.4	8.9	9.2	8.9	8.7	8.1	7.3	7.5	8.3
ladison lahaska	5.9		3.0	3.0	3.0	2.9	2.8	2.6	2.6	2.6	2.4
lahaska		5.8	5.3	5.6	5.8	5.7	5.5	5.4	4.8	4.8	4.
	6.2	7.8	7.1	7.4	7.4	6.9	6.5	6.4	5.8	6.2	6.
IACION	5.2	4.9	4.8	5.1	5.4	5.0	4.9	4.7	4.1	4.4	4.
farshall	6.9	6.5	6.0	6.3	5.9	5.5	5.4	5.0	4.1	5.2	5.
fills	10.8	10.8	11.0	11.5	11.7	11.8	10.9	10.6	10.8	11.5	11.
iitchell	4.0	4.0	3.8	3.8	3.6	3.4	3.5	3.6	3.4	3.5	3.
	9.4	4.0 8.3	3.8 7.8	3.8 8.3	3.6 8.2	7.3	6.8	6.5	6.2	6.1	6.
fonona				9.9	9.9	8.5	7.3	. 7.1	6.1	6.1	5.
fonroe	10.6	10.4	10.2				5.2	5.0	5.0	5.0	5.
Nontgomery	6.7	6.3	5.9	6.5	6.5	6.0	6.5	6.0	5.5	5.7	6.
luscatine	8.5	7.9	7.3	7.9	7.8	7.3			3.4	3.9	3.
O'Brien	4.5	4.2	4.4	4.6	4.2	3.8	3.7	3.6	2.3	2.5	2.
Sceol a	3.8	3.7	3.1	3.1	3.7	3.4	2.7	2.6		5.8	5.
'age	8.5	8.5	7.8	7.9	7.9	7.0	6.4	6.3	5.5		
Palo Alto	6.5	6.0	5.7	6.1	6.2	5.9	5.2	5.1	5.1	5.6	6.
Plymouth	3.9	3.8	3.5	3.5	3.6	3.2	2.9	2.9	2.7	3.1	3.
Pocahontas	5.1	4.5	3.7	4.0	4.1	4.0	4.0	3.8	3.7	4.1	4.
Polk	7.2	6.7	6.4	6.7	6.8	6.8	6.8	6.8	6.5	7.1	6.
Pottawattamie	8.6	7.9	7.1	7.1	7.2	7.1	7.0	7.2	7.1	7.9	7,
Poweshiek	4.6	4.0	4.1	4.5	4.8	4.6	4.3	1.9	3.5	3.8	3.
Ringgold	8.9	9.0	9.1	9.5	8.6	8.*	7.	6.6	5.	. .4	ě.
Sac	5.6	5.2	4.5	4.3	4.6	4.5	4.3	1.9	3.5	3.8	3,
Scott	9.7	9.0	8.5	8.7	8.5	8.1	7.7	7.0	5.1	6.	ě.
Shelby	5.5	4.4	4.0	4.1	3.9	3.6	3.3	3.3	3.1	3.2	3.
Sioux	3.1	3.0	2.7	2.9	2.7	2.5	2.2	2.3	2.3	2.5	2.
Story	3.0	2.6	2.4	2.6	2.5	2.3	2.0	1.9	1.8	2.1	Ž.
iane	6.2	5.6	5.4	5.7	5.3	5.0	4.7	4.7	4.4	5.3	\$,
Teylor	8.6	7.8	6.9	7.4	7.7	7.3	6.7	6.1	5.2	5.6	5.
Union	9.9	9.8	8.9	9.3	9.4	8.7	7.5	7.	6.6	6.9	**
Yan Buren	7.0	6.3	6.0	6.0	6.2	6.3	6.1	5.6	4.7	5.0	5
iapello	11.7	11.3	11.1	11.7		9.8	9.3	8.7	7.5	7.7	7
karren	4.8	4.5	4.2	4.5	4.6	4.8	4.7	4.5	4.0	4.3	4
	5.8	5.3	5.0	4.9	4.8	4.6	4.0	3.6	3.5	3.9	Š.
eshington	9.5	8.6	8.4	8.2	8.4	8.4	8.2	7.6	7.0	7.2	7
layrie	9.5	8.9	8.1	8.4	8.3	7.6	1.3	6.5	6.3	6.8	7
Mebster		4.0	3.5	3.7	3.8	3.6	3.2	3.7	3.5	4.	3
i rnebago	4.7		3.5	3.5	3.6	3.3	3.0	3.0	2.8	3.2	3
Virreshiek	3.8	3.7		8.9	8.4	7.9	7.7	7.5	7.1	7.7	7
Woodbury	9.5	8.7	8.4	5.1	5.0	4.5	4.4	4.3	4.3	4.5	4
Worth	5.9	4.9	4.4	5.4	5.6	5.0	4.7	4.5	4.3	5.2	5
Wright	5.8	5.3	5.1	J.*	7,4		***			= -	
State of lows	6.9	6.5	6.1	6.4	6.4	6.1	5.8	5.5	5.1	5.4	5

Polk's average monthly number of recipients (16,430) was the highest in 1990. Five others (Black Hawk, 8,797; Linn, 7,533; Pottawattamie, 5,113; Scott, 10,401; Woodbury, 5,756) had at least 5,000. Twelve counties averaged fewer than 400 recipients of medical assistance, with Osceola (198) the only one of these below 200.

The state and all 99 counties had more Title XIX recipients in 1990 than in 1980. Scott (+5,617) and Polk (+5,420) averaged at least 5,000 more persons receiving benefits in the later year. Seven other counties had at least 1,000 more, while 16 increased by less than 100. Two gains in the number of recipients were particularly low (Allamakee, +12; Mills, +2).

In lowa in 1990, an average of 70.0% of those eligible received benefits monthly. That figure for 1980 for the state was 56.5%. For the counties in lowa in 1990, the percentage of those eligible who received benefits ranged from 61.5% to 84.9%.

Percentage of the Population Eligible for Title XIX Assistance

In 1990, an average of 6.9% of lowa's population was eligible for the Title XIX program (Table 3). The percentages were somewhat higher in recent years than in the early 1980s. For the counties in 1990, the percentage of the population that was eligible for medical assistance ranged from less than 3.5% (Johnson, Sioux, Story) to 10% or more (Appanoose, Black Hawk, Decatur, Mills, Monroe, Wapello). Fifty-seven counties had percentages lower than that for the state. The percentage of the population eligible for the program was higher than the state figure in 40 counties. Nearly all counties (97) had a higher percentage of their population eligible for the Title XIX medical assistance program in 1990 than in 1980.

Note: Eligibility requirements for the medical assistance program may change in some years because of revisions in federal codes. Thus, caution is urged is examining year-to-year changes.

Domestic Abuse Cases in Iowa's Counties: 1986-1989

Willis Goudy, Iowa State University Sandra Charvat Burke, Iowa State University Michael Coveyou, Iowa Department of Public Safety

The lowa Department of Public Safety began keeping records on incidents of domestic abuse on the 1st of July in 1985. It has issued a report each fall since 1986 with summary data on reported cases, characteristics of victims and offenders, and characteristics of the incidents. Domestic abuse, as defined in the lowa Code, includes assaults in which both the victim and offender are "members of the same family or household who resided together at the time of the assault" or "between separated spouses or persons divorced from each other and not residing together at the time of the assault." Cases in which the victim is under 18 are excluded unless that person is married to or cohabiting with the offender. The numbers included in this section are based on reports that law enforcement agencies file for each incident of domestic violence that they investigate.

Data for the State

Incidents of domestic abuse increased from 3,496 in 1986 to 5,926 in 1989 (Tables 1, 2, 3). Gains of nearly 1,000 cases occurred between 1986-1987 and 1987-1988. The increase of 448 reports between 1988 and 1989 was the smallest gain since these statistics were first recorded.

Females tend to be victims while males generally are the offenders in cases of domestic abuse. In 1989, for example, 84.7% of the victims were females while 85.5% of the offenders were males. These percentages have changed only slightly since 1987, when 89.1% of the offenders were males while 89.2% of the victims were females. Arrests in these cases have increased slightly; in 1987, arrests were made in 63.7% of the reports, while they occurred in 63.2% of the cases in 1989.

Date for Counties

in 1989, 13 counties had at least 100 cases of domestic abuse reported by law enforcement personnel (Table 1). Five of these counties (Black Hawk, Linn, Polk, Scott, Woodbury) counted 500 or more incidents. These five accounted for more than half (\$2.3%) of the domestic abuse reports in the state in 1989. Four counties (Adams, Butler, Pocahontas, Flinggold) had no incidents and 36 had fewer than 10).

in the 95 counties in which domestic abuse cases were reported in 1989, the percentage of victims who were female varied from 50% in two counties (Adair, Grundy) to 100% in 32 others. Females were victims in at least 90% of the incidents in 48 counties, and males were the offenders in at least 90% of the cases in an equal number of counties. In only six counties (Adair, Appendose, Buchanan, Grundy, Marshall, Wilnnebago) were males the offenders in less than three of every four incidents in 1989. Acresis occurred in all incidents of domestic abuse in 19 counties that year. In 40 other counties, arrests took place in at least 75% of the reports. But they were reported in no cases in four counties (Adair, Floyd, Taylor, Wright) and in less than 50% of the incidents in eight others (Appendose, Calhouri, Crawford, Henry, Madison, O'Brien, Page, Winnebago) in 1989.

The number of cases of domestic abuse increased in 62 counties between 1995 and 1989. Gains of at least 100 incidents occurred in 10 counties, with Linn (+342) and Scott (+341) reporting the largest increases. Eight counties had the same number of incidents in 1995 and 1989, and 29 reported fewer at the end of the period than at the beginning. Of these 29, only three (Franklin, Jackson, Warren) dropped by at least 10 incidents when these two years were compared. Caution in comparing the 1996 and 1989 figures is suggested because details involving reporting procedures were first implemented by law enforcement agencies in 1985-1986.

Table 1. Domestic Abuse Cases, Victims, Offenders, and Arrests in Iowa's Counties, 1989.

		Vic	tims	Offe	nders	Arı	ests
County	Cases	Female	Male	Female	Male	Yes	No
Adair	2	1	1	1	1	0	2
Adams	0	0	0	0	0	0	0
Allamakee	2	2	0	0	2	2	0
Appanoose	64	` 48	16	18	46	19	36
Audubon	8	6	2	2	6	4	4
Benton	22	22	0	0	22	18	4
Black Hawk	540	448	92	84	455	378	160
Boone	21	18	3	3	18	19	2
Bremer	2	2	0	0	2	2	0
Buchanan	29	21	8	10	19	22	7
Buena Vista	27	25	2	2	25	24	2
Butler	0	0	0	0	0	0	0
Calhoun	5	5	0	0	5	2	3
Carroll	35	30	5	4	31	22	12
Cass	15	12	3	3	12	9	6
Cedar	19	16	3	2	17	15	4
Cerro Gordo	101	87	14	13	88	91	8
Cherokee	27	25	2	2	25	22	4
Chickasaw	12	11	1	3	9	10	1
Clarke	2	2	0	0	2	1	1
Clay	18	16	2	2	16	16	0
Clayton	2	2	0	0	2	2	0
Clinton	83	68	15	15	68	72	7
Crawford	36	28	8	7	29	13	21
Dallas	17	16	1	2	15	13	4
Davis	2	2	0	0	2	2	0
Decatur	4	4	0	0	4	3	1
Delaware	19	18	1	1	18	17	2
Des Moines	59	58	•	· 1	58	48	10
Dickinson	21	18	3	2	19	18	3
Dubuque	233	180	53	50	183	192	35
Emmet	5	5	0	0	5	5	0
Fayette	16	15	1	1	15	12	,
Floyd	4	3	1	1	3	0	,
Franklin	8	6	2	1	3 7	7	*
Fremont	13	12	1		•		'
Greene	6	5	1	1	12	11	2
Grundy	2	1	1	1	5	5	1
Guthrie	2	2	•	1	1	2	0
Hamilton	17	15	0	0	2	2	0
Hancock			2	2	15	16	0
mancock Mardin	8	8	0	0	8	6	2
mardin Harrison	16 11	16	0	0	16	16	0
		11	0	0	11	9	2
Henry Herman	26	21	5	4	22	6	18
Howard	2	2	0	0	2	2	0
Humboldt	3	3	0	0	3	2	1
lda	4	4	0	0	4	3	0
i oua	11	11.	0	0	11	6	5
Jackson	1	1	0	0	1	1	0
lasper	35	28	7	7	28	32	1

Table 1. Domestic Abuse Cases, Victims, Offenders, and Arrests in Iowa's Counties, 1989 (continued).

		Vict	ims	Offen	ders	Arre	sts
County	Cases	Female	Male	Female	Male	Yes	No
Jefferson	27	26	1	1	26	20	7
Johnson	139	121	18	17	122	118	19
Jones	21	18	2	2	19	11	8
Keokuk	6	6	0	0	6	3	3
Kossuth	16	14	2	1	15	12	4
Lee	82	69	13	14	68	78	3
Linn	609	487	121	97	511	338	250
Louisa	19	16	3	3	16	9	9
Lucas	9	7	2	2	7	6	3
Lyon	1	1	0	0	1	1	0
Madison	12	10	2	2	10	4	7
Mahaska	30	28	2	1	29	28	1
Marion	28	28	0	0	28	21	6
Marshall	217	154	63	57	160	192	22
Mills	17	17	0	0	17	10	7
Mitchell	8	6	2	1	7	6	2
Monona	6	6	0	0	6	6	0
Monroe	20	18	2	1	19	15	4
Montgomery	33	29	4	4	29	20	11
Muscatine	100	87	13	12	88	69	24
O'Brien	15	14	1	1	14	6	9
Osceola	4	4	0	0	4	4	0
Page	36	3 5	1	1	35	15	20
Palo Alto	9	6	3	1	8	7	2
Plymouth	16	15	1	1	15	8	8
Pocahontas	0	0	0	0	0	0	0
Polk	886	776	110	100	785	519	356
Pottawattamie	290	246	44	43	244	165	111
Poweshiek	17	15	2	2	15	16	1
Ringgold	0	0	0	0	0	0	0
Sac	12	10	2	2	10	11	1
Scott	522	450	71	75	446	303	215
Shelby	9	8	1	1	8	6	3
Sioux	8	8	0	0	8	7	1
Story	9 2	73	19	18	74	70	19
Tame	8	8	0	0	8	8	C
Taylor	2	2	0	0	2	0	2
Union	1	1	0	0	1	1	0
Van Buren	15	13	2	2	13	10	1
Wapello	176	139	37	39	137	145	26
Warren	27	26	1	1	26	21	
Washington	3	3	0	0	3	2	1
Wayne	2	2	0	0	2	2	29
Webster	185	151	34	32	152	150 5	(
Winnebago	11	8	3	3	8	5 14	
Winneshiek	16	14	2	2	14		14
Hoodbury	541	473	68	74	465	379	140
Worth	5	5	0	0	5	3	
Wright	1	1	0			0	
State of Iowa	5926	5014	909	859	5057	4043	173

Table 2. Domestic Abuse Cases, Victims, Offenders, and Arrests in Iowa's Counties, 1988.

		Vic	tims	Offe 	nders	Arı	ests
County	Cases	Female	Male	Female	Male	Yes	No
Adair	3	3	0	0	3	1	2
Adams	0	0	0	0	0	0	0
Allamakee	1	1	0	0	1	1	0
Appanoose	64	55	9	10	54	23	38
Audubon	5	5	0	0	5	5	0
Benton	33	30	3	3	30	24	9
Black Hawk	408	359	48	51	357	288	118
Boone	15	14	1	1	14	15	0
Bremer	5	4	1	1	4	3	2
Buchanan	27	24	3	3	24	17	9
Buena Vista	38	37	1	0	38	35	3
Butler	0	0	0	0	0	0	0
Calhoun	4	3	1	0	4	1	2
Carroll	22	21	1	1	21	16	6
Cass	6	4	2	1	5	0	6
Cedar	15	13	2	2	13	8	7
Cerro Gordo	110	88	22	21	89	105	5
Cherokee	3	3	0	0	3	3	0
Chickasaw	17	13	4	4	13	15	1
Clarke	4	4	0	0	4	4	0
Clay	22	18	4	4	18	20	2
Clayton	1	1	0	0	1	1	0
Clinton	64	59	5	4	60	55	8
Crawford	25	23	2	3	22	8	17
Dallas	30	23	7	6	23	26	3
Davis	7	6	1	1	6	6	0
Decatur	1	1	0	0	1	1	0
Delaware	5	5	0	0	5	5	0
Des Moines	69	64	5	5	64	46	22
Dickinson	23	22	1	1	22	18	5
Dubuque	241	180	61	59	182	180	57
Emmet	5	5	0	0	5	5	0
Fayette	13	11	2	1	12	10	3
Floyd	8	8	0	0	8	5	3
Franklin	10	9	1	2	8	3	7
Fremont	12	11	1	1	11	12	0
ireene	12	11	1	1	11	6	6
irundy	0	0	0	0	0	0	0
iuthrie	1	1	0	0	1	1	0
lamilton	25	23	2	2	23	23	1
lancock	11	9	2	3	8	6	5
lardin	11	10	1	1	10	10	1
larrison	4	4	0	0	4	4	0
lenry	45	36	9	5	40	17	28
loward	6	5	1	1	5	4	2
umboldt	2	2	0	0	2	2	0
da	4	3	1	0	4	4	0
OMB	12	12	0	0	12	4	8
ackson	2	2	0	0	2	2	0
asper	53	47	6	9	44	42	11

Table 2. Domestic Abuse Cases, Victims, Offenders, and Arrests in Iowa's Counties, 1988 (continued).

		Vict	ims	Offer	nders	Arr	ests
County	Cases	Female	Male	Female	Male	Yes	No
Jefferson	20	19	1	1	19	14	3
Johnson	121	103	18	20	100	94	25
Jones	19	18	1	1	18	12	7
(eokuk	3	3	0	0	3	1	2
Kossuth	9	7	2	1	8	3	6
Lee	79	71	8	7	72	<i>7</i> 2	4
Linn	604	496	108	91	512	353	219
Louisa	26	21	5	5	21	18	8
Lucas	11	8	3	3	8	10	1
Lyon	3	3	0	0	3	3	0
Madison	14	14	0	0	14	6	8
Mahaska	14	13	1	1	13	13	1
Marion	55	49	6	6	49	35	18
Marshall	155	117	38	33	122	139	12
Mills	14	11	3	3	11	7	6
Mitchell	8	7	1	1	7	8	C
	13	12	1	1	12	7	6
Monona	5	5	0	0	5	5	C
Monroe	21	19	2	0	21	19	2
Montgomery	77	71	6	6	71	50	22
Muscatine			0	0	6	5	1
O'Brien	6	6	0	0	6	4	(
Osceola	6	6	1	1	25	17	ç
Page	26	25		0	7	6	1
Palo Alto	7	7	0		4	3	
Plymouth	4	4	0	0 1	5	6	Ċ
Pocahontas	6	5	1		655	399	33
Polk	741	648	93	86	282	239	94
Pottawattamie	338	283	55	56	17	627 11	
Poweshiek	18	17	1	1		Ō	,
Ringgold	0	0	0	0	0	7	!
Sac	12	11	1	1	11		201
Scott	447	396	50	48	399	240	£U!
Shelby	7	7	0	0	7	6	
Sioux	12	11	1 -	1	11	10	; •
Story	83	68	15	13	70	51	3
Tama	14	13	1	1	13	12	
Taylor	2	1	1	1	1	2	į
Union	2	2	0	0	2	1	
Van Buren	13	12	1	1	12		
Wapello	151	123	28	28	123	130	1
Warren	40	36	4	2	38	22	1
Washington	7	7	0	0	7	7	
Wayne	6	6	0	Ō	6	6	,
Webster	180	166	14	14	166	135	4
Winnebago	2	2	0	0	2	2	
Winneshiek	11	44	O	Ó	11	10	
Woodbury	547	471	76	74	473	376	16
Worth	7	5	Ž	1	6	4	
Wright	8	6	2	3	5	5	municipal de la constitución de la
State of Iowa	5478	4714	762	720	4755	3683	166

Table 3. Domestic Abuse Cases (1986, 1987), Victims, Offenders, and Arrests (1987) in Iowa's Counties.

				1987				
		Vic	tims	Offe	enders	Arı	rests	1004
County	Cases	Female	Male	Female	Male	Yes	No	1986 Cases
Adair	3	3	0	0	3	3	0	0
Adams	1	1	0	0	1	1	0	0
Allamakee	2	2	0	0	2	0	2	0
Appanoose	55	53	2	2	53	25	30	28
Audubon	2	1	1	0	2	1	1	2
Benton	20	19	1	1	19	19	1	16
Black Hawk	302	270	32	31	271	203	96	250
Boone	18	17	1	1	17	17	1	17
Bremer	5	5	0	0	5	4	1	8
Buchanan	12	8	4	3	9	0	0	11
Buena Vista	11	11	0	0	11	11	0	13
Butler	1	1	0	0	1	1	0	1
Calhoun	13	8	5	5	8	1	12	10
Carroll	6	6	0	0	6	5	1	7
Cass	9	6	3	3	6	4	5	17
Cedar	12	12	0	0	12	8	4	16
Cerro Gordo	117	94	23	24	93	102	14	93
Cherokee	8	8	0	0	8	7	1	5
Chickasaw	20	18	2	2	18	10	10	12
Clarke	3	3	0	0	3	3	0	6
Clay	21	19	2	2	19	12	9	23
Clayton	5	5	0	0	5	1	4	1
Clinton	57	53	4	5	52	36	20	68
Crawford	0	0	0	0	0	0	0	3
Dallas	15	15	0	0	15	12	3	12
Davis	14	13	1	1	13	9	5	2
Decatur	0	0	0	0	0	0	0	6
Delaware	9	9	0	0	9	6	3	9
Des Hoines	55	53	2	2	53	23	32	60
Dickinson	19	17	2	0	19	13	6	14
Dubuque	192	157	35	27	165	146	46	111
Enmet	2	2	0	1	1	2	0	6
Fayette	24	20	4	3	21	17	7	19
Floyd	2	2	0	0	2	0	2	6
Franklin Fremont	6	6	0	0	6	3	3	30
	10	10	0	0	10	8	2	5
Greene Grundy	7	7	0	0	7	0	7	3
Grundy Guthrie	0	0	0	0	0	0	0	3
Hamilton	4	4	0	0	4	2	2	3
Hancock	11	9	2	2	9	8	3	5
	4	4	0	1	3	3	1	1
Hardin Harrison	11	9	2	1	10	4	6	10
	6	6	0	0	6	6	0	16
Henry Howard	36	28	8	9	27	14	22	34
noward Humboldt	3	3	0	0	3	1	2	4
numbolat Ida	3	3	0	0	3	3	0	4
icia Iowa	6	5	1	0	6	6	0	0
lowa Jackson	9	9	0	3	6	2	7	5
	11	10	1	1	10	11	0	12
Jasper	42	33	9	10	32	38	5	22

Table 3. Domestic Abuse Cases (1986, 1987), Victims, Offenders, and Arrests (1987) in lowa's Counties (cont.).

County	1987													
		Vic	tims	Offe	nders	Arı	 1986							
	Cases	Female	Male	Female	Male	Yes	No	Cases						
Jefferson	8	7	1	1	7	7	1	27						
Johnson	97	81	15	13	84	68	28	88						
Jones	13	11	1	1	12	8	5	13						
Keokuk	2	1	1	1	1	1	1	6						
Cossuth	8	8	0	1	7	5	3	14						
Lee	61	54	7	6	55	55	5	47						
Linn	484	411	72	65	419	296	186	267						
Louisa	12	11	1	2	10	9	3	10						
Lucas	7	6	1	1	6	4	3	5						
Lyon	8	6	2	0	8	5	2	1						
Madison	12	12	0	0	12	4	8	8						
Mahaska	22	18	3	2	20	17	5	14						
Marion	37	32	5	3	34	18	19	35						
Marshall	154	123	31	30	122	133	21	73						
Mills	22	19	3	1	21	7	15	9						
Mitchell	7	4	3	1	6	3	4	9						
Monona	11	11	0	0	11	8	3	11						
Monroe	8	8	0	0	8	4	3	4						
Montgomery	25	22	3	3	22	23	2	39						
Muscatine	64	59	5	4	60	39	25	96						
Muscatine O'Brien	4	3	1	1	3	1	3	5						
	2	2	0	0	2	0	2	3						
Osceola D			3	1	21	6	16	16						
Page	22	19		0	10	8	2	3						
Palo Alto	10	10	0	_	1	13		11						
Plymouth	16	14	2	*		1.3 3		**						
Pocahontas	3	3	0	0			14.9	7 5 0						
Polk	866	788	78	78	754	430								
Pottawattamie	192	175	17	17	175	*		159						
Poweshiek	17	17	0	0	17	**	**	養						
Ringgold	0	0	0	0		2	***************************************	2						
Sac	4	4	0	0	4		2	35.25-25						
Scott	293	244	49	42	250	168		181						
Shelby	4	4	0	0	*	2	2	1						
Siax	18	16	*	0	**	15		5						
Story	76	64	12	12	54	44		82						
Tame	17	16	0	0	17		4	韓						
Taylor	5	4	•	0	5	*		***						
Union	2	2	0	0	2	#Some	· ·	*						
Van Buren	10	10	0	0		*	***	3						
Mapello	81	60	21	21	60		*	2						
Varren	41	30	11		35	24		4						
Washington	9	9	0	•	*		•	*						
Veyne	2	2	0	8	2	2	•							
webster	175	169	6	*	171	112	舒	79						
Wirmebago	9	9	0	•	*	3	*	7						
Winneshiek	13	13	0			***	2	7						
	377	342	34	35	342	249	127	295						
Woodbury	<i>3(1</i> 5	5	0	0	3	2	3	4						
Worth Wright	4	4	0	Đ.	*	No.	**							
							5.77	144						

Note: The figures examined in this report are from the IOWA DOMESTIC ABUSE REPORTS (lowa Department of Public Safety, Wallace State Office Building, Des Moines, IA 50319) that are published annually. These data depend on residents reporting incidents of abuse to law enforcement agencies. The record of agencies in turn submitting information to the state is excellent, but variations in reporting practices among county residents and local agencies suggest that caution be taken in drawing conclusions from these data. Please note that the totals listed in these tables for the State of Iowa may vary slightly from those included in the abuse reports from which they were obtained; the county figures were summed to yield the numbers noted in our tables. Also, 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.

Serious Crimes Reported in Iowa's Counties: 1980-1989

Willis Goudy, Iowa State University Sandra Charvat Burke, Iowa State University Letitia Turner, Iowa State University Michael Coveyou, Iowa Department of Public Safety

The lowa Department of Public Safety keeps statistical records on crimes reported in lowa. Only information on "Part I 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 as "Part I Crimes" are murders, forcible rapes, robberies, aggravated assaults, burglaries, larcenies, and motor vehicle thefts. Definitions of these crimes are included in a note concluding this report.

Serious Crimes

Five of these "Part I Crimes" occurred less frequently in the late 1980s than in the earlier part of the decade in lowa. Murders peaked at 75 in 1981 and were lowest at 47 in 1988, for example (Table 1). Robberies, burglaries, larcenies, and motor vehicle thefts tended to be substantially lower in the late 1980s than in earlier years (Tables 2, 3, 4). Forcible rapes (Table 1) and aggravated assaults (Table 2), however, were much higher in 1989 than they had been in 1980. Indeed, reports of forcible rapes increased by 135 (41.7%) between 1987 and 1989; aggravated assaults increased every year from 1982 through 1989, with 2,400 (67.8%) more of these crimes reported in the most recent year than in 1982. In contrast, 496 fewer robberies were reported in 1989 than in 1980, and burglaries (-7,325), larcenies (-13,673), and motor vehicle thefts (-2,682) also dropped from 1980 to 1989.

In every year except 1983, Polk was the only county in which at least 10 murders were reported (Table 1). Scott noted 10 that year, while Polk had nine. Of the 600 murders from 1980 through 1989, nearly one of every four were reported in Polk (149). Scott was the only other county that had as many as 50 murders, and 27 counties reported none throughout this period. Five counties (Audubon, Emmet, Howard, Ringgold, Sac) reported no forcible rapes from 1980 through 1989, and another 60 counties averaged less than one per year during this period. Polk reported 1,002 and Scott had 578; five others (Black Hawk, Johnson, Linn, Pottawattamie, Woodbury) reported 200-325 forcible rapes. These seven counties had nearly three out of every four (74.7%) forcible rapes in lowa from 1980 through 1989. No aggravated assaults were reported in Ringgold during the 1980-1989 period, and another 36 counties had less than 50 (Table 2). At least 1,000 such assaults were reported in 12 counties, with Polk (9,413) and Scott (6,927) substantially higher than the others. Indeed, these two counties accounted for more than a third (36.1%) of all aggravated assaults from 1980 through 1989.

Robberies reported from 1980 through 1989 varied from none in four counties (Audubon, Howard, Keokuk, Lyon) to 4,633 in Polk (Table 2). Fifty-nine other counties averaged less than one reported robbery per year. Black Hawk, Linn, Pottawattamie, Scott, and Woodbury joined Polk with at least 500 robberies. At least 10,000 burglaries were reported in Black Hawk, Linn, Polk, Pottawattamie, Scott, and Woodbury, with the 50,919 reported in Polk more than double the next highest total (Table 3). The 176,676 larcenies in Polk also were more than twice the next figure (70,200 in Linn). Motor vehicle thefts were reported most frequently for Polk (10,772) and Linn (4,168); they exceeded 2,000 in four other counties (Black Hawk, Pottawattamie, Scott, Woodbury) (Table 4).

Table 1. Numbers of Murders and Forcible Rapes Reported in Iowa Counties, 1980-1989.

County		Murders									Forcible Rapes									
	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Adams	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	1	0
Allamakee	0	0	0	0	0	0	0	0	0	1	0	0	1	0	1	0	0	2	0	1
Appenoose	0	1	0	0	0	1	0	0	0	1	0	0	1	1	0	0	1	0	0	0
Audubon	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Benton	1	0	3	1	0	0	0	0	1	1	1	0	1	2	1	7	0	7	9	0
Black Hawk	4	3	1	1	3	0	5	3	9	3	30	35	19	33	19	25	18	24	9	22
Boone	0	0	1	0	0	1	2	0	0	2	1	2	3	5	0	1	0	2	1	2
Bremer	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	1	1	0	2	1
Buchanan	0	0	0	0	0	0	0	1	0	0	0	2	2	2	0	1	0	0	1	0
Buena Vista	0	0	1	1	0	0	2	0	0	0	2	0	0	1	0	3	1	0	1	2
Butler	0	0	0	0	0	0	4	0	0	0	0	0	1	0	0	0	0	0	1	1
Calhoun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0
Carroll	0	1	0	0	0	0	0	0	0	0	1	2	1	0	2	0	0	3	1	1
Cass	8	1	0	0	0	1	0	0	0	0	0	2	1	0	1	1	3	0	1	1
Cedar	0	0	0	0	0	0	0	0	0	1	2	1	1	2	0	0	1	0	0	0
Cerro Gordo	0	2	0	2	0	2	0	3	0	0	5	6	2	8	4	10	10	6	24	9
Cherokee	0	0	0	0	0	0	0	0	0	0	3	1	2	0	0	3	0	1	0	2
Chickasaw	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
Clarke	0	0	0	0	0	0	0	O	0	0	1	2	0	0	0	0	0	1	0	0
Clay	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
Clayton	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Clinton	1	2	0	2	2	0	0	1	9	1	6	4	6	5	5	4	11	7	1	12
Crawford	0	0	1	2	0	0	0	0	0	0	1	0	0	0	1	3	0	0	1	0
Dallas	1	1	0	0	1	1	0	1	1	0	0	1	0	1	2	0	1	1	3	1
Davis	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	1	1	1	0
Decatur	0	0	1	0	0	0	0	0	0	1	0	0	1	0	0	0	1	0	0	1
Delaware	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	1	2
Des Moines	2	0	0	0	0	0	2	2	0	4	6	6	7	4	3	10	11	3	4	5
Dickinson	0	0	1	0	0	0	0	0	1	0	1	0	0	1	0	0	0	1	0	0
Dubuque	0	1	2	0	1	1	2	0	0	2	7	8	2	2	4	8	2	1	3	12
Emmet	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fayette	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	1

Table 1. Numbers of Murders and Forcible Rapes Reported in Iowa Counties, 1980-1989 (continued).

					Mu	rders								Fo	rcible	Rapes				
County	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Floyd	Ö	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	1	2
Franklin	0	0	0	0	0	0	0	0	0	1	0	0	0	0	2	1	0	0	2	0
Fremont	0	0	0	0	0	1	1	1	0	0	1	0	1	0	0	0	2	0	1	2
Greene	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0
Grundy	0	0	0	0	0	0	0	0	1	0	0	0	0	0	2	0	0	0	0	0
Guthrie	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0
Hamilton .	0	0	1	0	1	0	0	0	0	0	3	1	0	0	3	2	2	3	1	0
Hancock	0	0	0	0	1	0	0	2	1	0	1	0	0	2	0	0	1	0	2	1
Hardin	0	1	0	0	1	0	0	0	0	0	3	1	1	0	0	1	1	2	1	2
Harrison	0	0	0	0	0	0	2	1	1	0	0	0	0	1	0	0	0	1	0	0
Henry	0	0	0	1	0	0	4	0	2	2	1	0	0	0	0	0	0	0	1	0
Howard	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Humboldt	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2
Ida	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	0	0	0	0	0
Lowa	0	0	1	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	1	0
Jackson	0	0	1	0	1	1	0	0	1	0	0	1	1	0	1	1	0	0	0	1
Jasper	1	2	0	1	1	1	2	2	0	0	1	3	0	1	0	0	2	1	0	2
Jefferson	0	0	0	0	0	0	0	0	0	0	2	0	1	0	0	0	0	0	0	0
Johnson	1	1	0	0	5	1	1	0	5	0	55	54	37	32	27	32	32	20	18	17
Jones	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0
Keokuk	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Kossuth	0	0	6	0	0	0	0	0	1	0	1	0	1	0	0	1	0	0	0	1
Lee	1	0	0	0	1	2	0	2	0	1	0	8	1	1	10	4	5	4	2	3
Linn	6	2	2	2	2	6	5	4	5	2	14	12	12	17	26	20	26	24	24	25
Louisa	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0
Lucas	1	0	0	0	0	1	1	1	0	0	2	0	0	0	2	0	1	1	3	1
Lyon	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	2
Madison	0	0	0	0	1	0	0	0	0	0	1	0	1	0	2	0	0	0	0	1
Mahaska	0	1	1	0	0	0	1	1	0	0	3	4	2	3	4	0	3	1	3	1
Marion	0	0	0	1	0	0	0	0	0	1	1	2	0	1	0	0	0	1	0	3
Marshall	1	0	2	0	0	1	0	2	0	1	6	4	2	2	4	3	3	5	7	6
Mills	0	0	2	0	2	0	0	0	0	0	1	1	3	1	0	0	2	0	0	2
Mitchell	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	1	0	0	0

Table 1. Numbers of Murders and Forcible Rapes Reported in lowa Counties, 1980-1989 (continued).

					Mu	rders					_				Fo	rcible	Rapes				
County	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Monona	0	0	0	0	0	0	0	0	0	0		1	0	0	0	0	1	0	2	1	1
Monroe	0	0	0	0	2	1	0	0	0	0		0	0	0	0	0	0	0	1	0	0
Montgomery	0	1	0	0	2	0	0	0	0	0		0	1	1	0	0	1	0	1	1	0
Muscatine	0	1	1	2	2	0	0	2	1	4		4	3	3	5	1	2	2	1	1	1
O'Brien	0	0	0	0	1	0	0	0	0	0		1	0	0	0	0	0	0	0	0	3
Osceola	0	0	0	0	0	0	0	0	0	0		0	1	0	0	0	0	0	0	0	0
Page	0	0	0	0	0	0	0	0	0	1		1	2	2	0	1	0	2	1	2	0
Palo Alto	0	0	0	0	0	0	0	0	0	0		0	1	0	0	3	0	1	1	0	1
Plymouth	0	0	0	1	0	0	0	0	0	0		1	3	0	1	0	3	1	1	3	2
Pocahontas	1	0	0	0	0	0	0	2	1	0		0	0	0	0	0	0	0	0	1	1
Polk	15	14	14	20	11	18	9	18	12	18		95	82	79	102	103	92	101	105	120	123
Pottawattamie	3	3	1	4	0	3	6	4	3	5		29	23	23	27	22	22	25	18	23	29
Powesh i ek	0	0	0	0	0	0	0	0	0	2		0	1	0	0	0	0	0	1	0	0
Ringgold	0	0	0	0	0	0	0	0	0	1		0	0	0	0	0	0	0	0	0	0
Sac	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0
Scott	4	3	5	1	7	7	10	3	8	4		80	77	60	52	49	59	45	51	59	46
Shelby	0	0	0	0	0	0	0	0	1	0		0	1	0	0	0	0	1	0	0	1
Sioux	0	0	0	0	0	0	0	0	0	0		0	1	0	0	0	1	0	1	0	0
Story	2	0	2	2	1	0	1	0	0	0		12	11	12	6	9	13	8	13	19	3
Tams	0	0	0	1	0	0	0	0	0	4		0	0	0	0	0	0	1	0	0	2
Taylor	0	0	0	0	0	1	0	0	0	1		0	1	0	0	0	0	0	0	0	0
Union	0	0	0	0	0	0	1	0	0	0		0	0	0	0	1	0	0	3	1	0
Van Buren	0	0	0	0	0	0	0	0	0	0		0	0	1	0	0	0	0	0	0	0
Japello	0	1	1	1	0	0	0	1	4	1		2	5	2	3	5	1	0	1	0	0
Jarren	2	0	1	0	3	1	0	0	0	0		5	3	2	0	1	3	1	2	4	4
lash ington	0	1	1	0	0	0	0	0	0	0		1	1	0	0	0	1	0	0	0	0
łayne	0	0	1	1	1	0	0	0	0	0		1	0	0	0	0	0	0	0	0	0
<i>l</i> ebster	0	2	0	0	1	1	2	2	4	0		6	3	3	0	0	5	10	6	4	3
linnebago	0	0	0	0	1	0	0	0	0	0		1	2	0	0	0	0	0	1	1	2
Jinneshiek	0	0	0	0	0	0	0	0	0	0		1	0	0	1	0	1	1	1	0	1
loodbury	5	1	4	3	0	3	4	5	2	1		49	57	21	27	37	18	15	25	15	37
Horth	0	0	0	0	0	0	0	0	0	0		0	0	0	1	1	0	0	0	0	0
Wright 	0	0	0	0	0	0	0	1	0	0		0	0	1	1	0	1	1	2	0	1
State of lows	52	47	59	51	55	58	68	66	75	69		459	446	324	356	363	373	365	365	390	412

Table 2. Numbers of Robberies and Aggravated Assaults Reported in Iowa Counties, 1980-1989.

					Robi	beries									Aggr	avated	Assault	s			
County	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	19	89	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	0	0	0	0	0	0	1	0	0	0		1	0	1	2	0	0	1	0	0	0
Adams	0	0	0	0	0	1	0	0	0	1		2	0	0	0	1	1	1	3	7	1
Allamakee	0	0	1	0	0	0	0	1	2	0		2	1	2	1	2	2	2	7	8	2
Appanoose	2	0	1	0	0	0	2	1	2	1		22	15	27	29	19	39	19	18	46	61
Audubon	0	0	0	0	0	0	0	0	0	0		7	4	2	1	4	1	3	2	1	5
Benton	5	2	1	0	0	0	4	1	1	3		9	5	3	9	12	11	21	8	22	19
Black Hawk	88	129	71	68	81	121	100	83	110	110	2	43	222	301	314	212	161	175	210	199	176
Boone	1	0	0	1	1	3	3	1	0	2		9	20	8	3	3	10	6	5	12	7
Bremer	0	5	1	3	0	0	1	1	1	5		86	68	72	79	23	25	18	30	47	46
Buchanan	0	3	0	4	2	2	2	2	1	2		46	18	40	4	8	10	10	17	8	5
Buena Vista	0	1	1	0	1	0	1	0	1	1		12	26	9	11	24	26	14	S	6	8
Butler	2	1	0	0	1	0	0	. 0	0	1		4	2	6	2	5	4	0	1	2	2
Calhoun	1	0	0	0	1	0	0	1	0	0		5	1	2	0	1	1	0	6	0	1
Carroll	0	0	0	0	1	1	2	0	0	1		15	6	9	8	9	10	18	25	16	36
Cass	1	0	2	2	1	0	0	0	0	2		6	4	1	0	2	2	10	4	3	0
Cedar	2	1	0	4	4	0	0	0	1	1		6	30	23	16	13	0	2	0	1	4
Cerro Gordo	9	8	15	22	11	11	20	18	23	23	1	52	143	172	103	202	278	185	145	161	150
Cherokee	0	0	0	0	0	0	0	0	1	0		11	8	10	3	6	10	3	11	8	13
Chickasaw	0	0	0	0	1	0	0	0	0	0		5	4	6	8	2	6	2	2	3	6
Clarke	1	0	0	2	2	2	1	0	3	0		4	5	3	3	2	4	1	1	1	2
Clay	1	0	5	1	0	1	0	1	3	2		11	19	17	13	6	10	5	3	7	7
Clayton	0	0	0	0	1	1	1	1	0	0		17	18	11	8	3	5	6	6	21	7
Clinton	13	17	5	12	10	8	14	7	18	21		44	38	21	33	27	26	23	17	33	34
Crawford	0	0	1	1	0	0	2	1	0	0		10	12	5	6	5	3	3	3	8	1
Dallas	1	3	1	1	0	2	2	6	3	4		39	21	22	13	17	21	8	19	35	38
Davis	0	0	0	0	0	1	0	2	1	1		0	2	12	4	2	6	3	1	3	0
Decatur	1	1	0	0	0	0	0	0	0	0		12	10	3	1	0	0	2	4	0	8
Delaware	0	0	1	0	0	1	1	0	0	1		14	10	9	10	10	11	21	12	15	17
Des Moines	9	10	7	14	6	14	19	13	8	12	1	59	193	176	143	192	154	118	106	100	75
Dickinson	0	0	1	0	1	0	0	2	4	1		7	2	7	10	5	11	8	2	4	9
Dubuque	13	16	17	19	22	17	20	35	29	38	3	39	244	250	150	72	66	50	64	87	63
Emmet	0	0	0	0	0	0	0	1	1	0		2	6	0	1	2	4	3	2	0	0
Fayette		0	1	0	0	0	0	a	0	4		40	34	9	12	18	2	1	o	3	10

Table 2. Numbers of Robberies and Aggravated Assaults Reported in Iowa Counties, 1980-1989 (continued).

					Rob	beries								Aggr	avated	Assaul t	s			
County	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Floyd	0	2	0	0	1	0	1	0	0	1	50	44	48	24	17	19	17	9	19	13
Franklin	0	0	0	0	0	0	0	0	2	2	23	22	13	7	7	4	3	1	0	0
Fremont	1	0	0	0	0	0	1	0	1	0	11	8	14	3	0	1	2	3	3	3
Greene	0	0	0	0	1	0	0	0	1	1	0	1	2	1	0	0	0	1	0	3
Grundy	0	0	0	0	0	0	1	0	0	1	2	1	1	2	2	1	0	0	5	3
Guthrie	0	0	2	0	0	0	2	0	4	0	3	2	4	4	6	8	4	4	4	7
Hamilton	0	1	1	3	2	0	3	0	0	2	85	66	6	2	4	1	8	10	4	1
Hancock	0	1	0	1	0	0	1	0	0	0	4	5	4	2	0	3	1	4	5	1
Hardin	0	2	3	1	3	0	0	0	1	1	25	2	3	1	7	7	13	15	22	8
Harrison	0	0	0	0	0	0	0	3	2	0	5	3	0	2	0	3	7	6	9	2
Henry	0	0	0	1	0	1	0	3	1	1	67	31	27	13	2	0	2	8	6	15
Howard	0	0	0	0	0	0	0	0	0	0	4	5	8	6	4	2	7	3	6	1
Humbol dt	1	0	0	0	0	1	0	0	1	0	1	5	1	2	2	15	2	4	1	4
l da	0	0	0	0	0	0	1	0	0	0	6	3	8	0	1	2	4	1	3	2
l owa	0	1	0	1	0	0	0	1	0	0	4	0	3	0	6	0	1	0	9	7
Jackson	0	0	2	2	0	2	2	0	5	4	21	24	11	8	4	16	3	2	6	2
Jasper	2	1	1	5	9	2	3	4	8	8	31	23	15	27	24	10	12	33	25	15
Jefferson	1	0	0	0	1	0	0	0	0	3	20	1	1	2	1	0	4	2	0	1
Johnson	15	30	25	26	17	18	21	15	26	34	324	358	298	226	201	194	178	241	239	200
Jones	0	0	0	1	1	0	0	1	0	0	12	9	4	5	8	3	3	0	0	3
Keokuk	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	2	1	1	1
Kossuth	0	0	0	0	0	0	0	1	1	0	12	2	2	1	3	3	5	6	4	4
Lee	5	6	3	5	8	6	5	4	14	9	39	107	45	18	14	31	23	45	36	26
Linn	107	89	106	115	65	90	87	96	151	123	293	241	233	288	205	206	199	190	279	289
Louisa	1	0	1	0	0	1	1	0	1	1	8	10	3	3	7	1	9	7	3	7
Lucas	0	0	0	0	0	0	0	0	0	1	3	1	3	1	3	4	11	5	16	24
Lyon	0	0	0	0	0	0	0	0	0	0	0	0	3	1	0	1	3	0	2	0
Madison	0	0	0	2	0	0	0	2	0	2	13	11	3	4	2	1	2	2	1	1
Mahaska	1	1	2	5	3	3	7	3	6	7	52	49	39	59	51	42	67	48	27	21
Marion	2	0	2	0	0	1	0	0	1	2	42	66	48	32	23	20	21	17	13	19
Marshall	5	7	6	1	6	10	11	8	25	11	187	136	132	107	84	78	84	89	92	75
Mills	0	1	1	2	0	1	2	2	3	0	19	15	16	16	11	11	16	19	19	15
Mitchell	0	0	1	0	0	0	0	0	0	1	4	4	3	6	10	3	2	1	0	0

Table 2. Numbers of Robberies and Aggravated Assaults Reported in Iowa Counties, 1980-1989 (continued).

					Robl	peries								Aggr	avated	Assault	s			
County	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Monone	0	0	Ō	1	0	-1	Ō	0	0	0	6	5	3	6	4	6	12	21	0	ž
Monroe	0	2	3	0	2	0	0	0	1	0	22	12	16	5	12	14	7	3	5	(
Montgomery	2	0	0	1	1	1	0	2	1	0	7	4	7	10	1	4	1	1	2	1
Muscatine	10	6	2	9	2	9	5	0	9	11	25	25	6	20	14	16	8	22	12	14
O'Brien	3	0	2	2	0	0	0	1	0	1	21	7	16	4	11	8	3	3	7	4
Osceola	0	0	0	0	0	0	1	0	0	0	3	5	2	6	5	1	3	0	0	(
Page	1	0	0	4	0	1	2	1	1	3	6	3	3	2	7	3	11	13	6	17
Palo Alto	0	0	0	1	0	0	0	0	0	0	6	13	4	5	9	22	8	3	5	19
Plymouth	0	0	2	0	2	0	2	1	2	0	6	9	10	17	5	18	4	0	9	14
Pocahontas	0	1	0	0	0	0	0	0	0	0	1	2	0	2	0	0	0	0	0	3
Polk	407	426	396	494	533	458	450	386	531	552	1235	1324	1062	1132	870	884	712	693	751	750
Pottawattamie	70	72	78	109	65	41	69	84	99	105	324	230	219	287	281	211	231	266	304	259
Poweshiek	1	0	0	0	0	1	1	1	0	3	9	3	20	4	3	2	9	7	6	4
Ringgold	0	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Sac	2	0	0	0	0	0	0	0	2	0	1	1	5	4	8	1	1	2	1	1
Scott	176	141	134	141	211	166	211	241	319	364	747	743	683	926	849	691	659	507	546	576
Shelby	0	1	0	1	0	0	1	0	1	3	3	12	4	2	6	8	16	14	22	4
Sioux	0	0	0	0	0	0	2	0	1	1	10	8	10	7	3	6	S	5	1	1
Story	12	8	6	13	6	14	8	11	13	4	86	96	89	170	196	162	161	152	143	125
Tame	1	0	1	1	4	1	3	0	0	0	55	22	5	4	15	4	3	11	10	18
Taylor	0	0	0	0	0	0	0	0	0	1	0	12	4	1	3	1	0	2	0	1
Union	1	2	0	0	1	0	4	1	4	1	5	9	6	6	6	4	5	5	2	4
Van Buren	0	0	0	0	0	0	0	1	0	1	11	6	1	7	7	12	8	2	1	2
Wapello	11	11	13	10	9	12	12	4	17	10	93	39	35	12	10	11	6	16	9	7
Warren	2	2	2	5	4	6	2	3	3	9	41	32	34	25	39	32	25	32	23	29
Washington	0	1	0	0	2	1	0	3	0	4	23	25	27	27	30	32	9	24	29	18
Wayne	1	0	0	0	0	0	0	0	0	2	3	0	1	3	0	0	0	0	1	1
Webster	19	9	17	10	19	17	28	9	15	14	92	124	152	151	162	162	67	44	15	5
Winnebago	0	0	0	1	0	0	0	1	1	1	10	9	16	10	10	7	8	10	6	15
Winneshiek	0	1	0	0	0	0	0	0	1	0	13	5	19	17	13	11	17	12	7	19
Woodbury	94	108	82	68	62	61	45	37	69	60	351	402	396	321	268	250	178	149	214	223
Worth	1	1	0	0	0	1	0	0	0	2	0	3	4	0	2	7	3	1	2	4
Wright	0	1	0	0	0	0	0	0	0	1	13	17	30	33	32	13	3	6	14	10
State of Iowa	1109	1132	1026	1197	1187	1114	1192	1108	1557	1605	5939	5653	5126	5099	4501	4214	3637	3539	3879	3736

Table 3. Numbers of Burglaries and Larcenies Reported in Iowa Counties, 1980-1989.

					Bur	glaries									Lar	cenies				
County	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	21	30	26	28	36	44	6	22	49	38	64	57	87	85	65	60	65	74	81	67
Adams	18	22	25	23	29	23	15	19	31	33	73	58	47	57	70	69	79	83	98	126
Allamakee	15	22	41	56	51	58	36	41	51	90	158	160	169	146	153	113	137	195	184	266
Appanoose	130	95	125	127	149	124	135	133	167	211	291	305	321	304	380	329	375	348	434	466
Audubon	26	24	45	22	17	26	31	33	55	57	80	75	75	57	83	91	65	95	134	140
Benton	126	131	104	80	133	161	124	174	151	167	223	297	229	224	193	225	311	275	336	335
Black Hawk	1820	1747	1665	1404	1360	1590	1961	1944	2088	2497	4764	4443	3791	4209	4130	4534	4789	5428	6101	6340
Boone	127	120	91	169	136	147	96	134	178	196	506	501	436	459	484	483	509	539	606	747
Bremer	93	76	76	93	77	91	113	80	121	130	237	244	316	307	295	302	381	389	414	482
Buchanan	176	237	211	258	191	209	150	209	221	217	284	331	397	326	364	317	320	356	369	404
Buena Vista	60	64	93	74	54	88	80	113	98	115	352	343	367	343	392	418	367	463	715	784
Butler	39	40	53	62	66	54	48	54	70	116	97	84	94	62	101	102	109	122	102	138
Cathoun	62	37	78	82	80	43	24	61	93	90	97	102	118	100	119	143	142	222	187	200
Carroll	57	50	42	58	64	69	91	67	92	114	236	349	314	294	319	300	270	256	307	439
Cass	56	65	72	48	56	70	59	61	66	107	197	252	294	239	221	256	235	199	265	266
Cedar	53	51	41	46	80	5	53	91	91	146	216	155	129	159	149	21	139	118	188	217
Cerro Gordo	433	476	529	467	589	583	575	714	686	<i>7</i> 57	1913	2123	2157	2180	2294	2139	2200	1975	2333	2547
Cherokee	38	44	58	62	52	49	46	53	81	64	233	200	202	178	179	208	129	176	254	284
Chickasaw	30	24	32	32	33	70	30	46	37	67	141	146	135	162	103	133	159	155	146	183
Clarke	68	55	51	67	64	42	44	67	52	47	139	144	158	145	129	179	177	162	120	129
Clay	82	117	123	148	104	118	118	104	173	151	511	517	428	566	544	519	524	456	552	591
Clayton	46	55	65	50	27	24	27	39	68	88	190	200	151	119	115	113	106	130	206	180
Clinton	504	457	643	470	349	461	573	490	499	534	1976	1987	1998	1765	1696	1997	2227	2172	2297	2411
Crawford	54	77	109	64	72	61	114	88	124	86	336	417	448	343	299	252	277	257	321	262
Dallas	148	125	232	223	212	230	214	197	289	266	480	409	511	611	533	559	564	550	588	557
Davis	48	48	56	64	47	63	29	36	74	83	73	73	84	63	78	79	56	46	86	89
Decatur	44	54	53	62	49	60	33	33	33	46	116	100	58	74	84	61	43	68	46	54
Delaware	73	99	72	52	52	32	59	49	39	42	188	205	199	180	149	161	206	137	201	249
Des Moines	455	479	529	553	418	441	504	458	403	384	1500	1555	1758	1437	1381	1673	1659	1690	1947	1851
Dickinson	50	77	97	85	98	70	77	72	140	126	371	347	312	389	394	322	280	385	345	408
Dubuque	537	453	632	763	860	962	903	1096	1108	1130	2311	2173	2422	2439	2549	2731	2800	3064	3506	3527
Enmet	68	73	71	98	49	71	97	77	67	38	244	206	233	199	264	231	233	353	296	251
Fayette	144	123	172	218	166	96	72	87	98	164	207	283	271	263	305	304	319	448	445	470

Table 3. Numbers of Burglaries and Larcenies Reported in Iowa Counties, 1980-1989 (continued).

					8ur	glaries									Lar	cenies				
County	1989	1986	1987	1986	1985	1984	1983	1982	1981	1980	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Floyd	32	39	38	21	29	41	64	62	65	73	193	199	195	226	244	249	314	498	463	340
Franklin	53	44	62	35	43	47	50	40	41	45	209	175	219	186	202	174	178	145	179	168
Fremont	108	97	69	42	24	31	52	40	70	43	160	121	119	123	98	96	89	122	144	150
Greene	44	33	26	35	40	43	52	67	128	106	138	122	124	115	116	117	127	163	226	271
Grundy	41	31	36	43	49	40	43	49	61	52	85	90	97	75	115	76	132	79	134	63
Guthrie	74	34	46	37	25	40	33	42	59	34	115	93	70	91	99	106	118	114	113	111
Hamilton	83	51	82	69	103	71	110	118	131	172	302	296	351	326	306	313	336	412	456	432
Hancock	26	40	33	25	51	25	22	40	51	73	200	161	187	121	120	132	113	133	139	164
Hardin	68	57	74	89	74	79	88	110	136	160	357	301	320	350	350	418	377	392	504	511
Harrison	46	37	53	68	21	43	52	84	101	100	146	171	154	190	203	168	168	215	245	223
Henry	40	57	37	36	66	58	35	67	82	124	301	276	236	240	261	233	193	224	218	207
Howard	28	15	12	24	27	33	17	17	23	26	80	126	126	98	59	96	110	112	145	152
Humboldt	25	34	10	21	37	46	25	18	68	58	95	135	121	122	90	152	154	151	179	188
1da	18	22	50	19	24	12	12	20	28	34	139	167	126	88	70	75	79	102	137	102
I Owa	26	15	26	30	24	18	14	21	65	66	82	63	84	80	81	94	105	164	180	201
Jackson	107	65	75	100	81	87	114	125	124	166	367	327	348	281	214	275	304	364	373	454
Jasper	191	303	298	266	305	231	210	254	345	384	596	667	821	704	740	681	771	894	1003	1116
Jefferson	90	81	79	49	77	85	78	79	94	99	380	352	377	317	409	422	442	460	415	338
Johnson	988	937	780	947	773	769	723	940	1037	922	3489	3580	3398	3445	3399	2924	3297	3477	3545	3689
Jones	90	91	86	101	93	56	78	63	60	62	160	172	140	170	137	163	197	211	249	303
Keokuk	66	30	23	42	49	65	58	57	74	57	136	113	130	102	97	119	105	116	124	128
Kossuth	54	50	55	46	98	35	33	42	93	108	192	195	214	291	259	263	233	281	300	396
Lee	354	361	266	309	284	298	281	347	441	531	1201	1088	862	864	1002	892	1090	1216	1462	1524
Linn	1580	1772	2147	2218	2237	2005	2338	2056	2385	2535	6892	6716	7820	7173	6616	6129	6674	6538	7719	7923
Louisa	151	135	111	100	101	93	137	158	153	144	240	229	191	211	195	200	228	220	286	251
Lucas	61	68	75	64	89	86	67	85	80	97	203	163	190	174	221	228	225	235	288	201
Lyon	23	14	15	21	23	25	27	17	24	37	54	55	68	60	52	48	47	34	59	50
Madison	66	78	95	118	98	83	64	79	74	68	163	173	158	197	199	110	110	107	140	144
Mahask a	133	135	138	137	169	166	207	281	311	326	421	494	533	457	499	460	561	547	704	720
Marion	94	141	136	126	125	147	142	160	175	183	404	439	473	513	422	425	407	361	531	546
Marshall	428	366	416	371	290	371	403	507	518	558	1040	949	882	888	847	821	886	1002	1159	1301
Mills	113	74	80	67	55	67	88	93	99	114	223	204	217	216	221	231	240	290	258	345
Mitchell	24	34	44	33	34	9	12	22	21	25	115	107	112	116	100	107	102	120	124	131

Table 3. Numbers of Burglaries and Larcenies Reported in Jowa Counties, 1980-1989 (continued).

					Bur	glaries	3								Lac	rcenies				
County	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Monone .	115	108	136	84	60	97	76	82	84	99	101	150	118	134	145	159	172	153	186	192
Monroe	61	53	83	64	53	72	90	71	95	153	171	153	114	103	138	149	159	176	224	193
Montgomery	99	114	138	88	92	52	60	54	79	75	404	411	390	320	284	262	200	250	281	345
Muscat ine	159	234	198	182	220	285	331	335	402	369	947	979	869	866	1167	1152	1071	1467	1661	1559
O'Brien	60	55	82	70	97	115	90	86	85	78	220	208	223	210	181	174	178	205	248	289
Osceola	22	34	21	16	18	13	11	12	9	5	50	57	62	48	47	73	104	94	43	58
Page	117	64	124	87	114	120	69	66	83	82	316	356	323	302	363	348	349	359	474	492
Palo Alto	90	75	73	53	65	68	89	104	152	145	210	169	167	167	142	143	145	132	150	178
Plymouth	83	73	56	83	103	102	61	80	97	81	189	314	332	309	282	293	225	268	335	327
Pocahontas	29	34	31	33	21	28	31	32	58	31	78	57	59	58	63	68	79	94	128	147
Polk	3675	4335	5133	6420	5917	4914	5004	50 9 2	5239	5190	17378	18242	18428	19315	17604	15859	16009	17785	18316	17740
Pottawattamie	1390	1303	1276	1216	1121	1103	1155	1313	1812	1625	3501	3178	3157	2820	2776	2585	2826	2928	3903	3753
Powesh i ek	66	41	65	73	86	77	74	94	135	161	162	193	239	236	180	246	239	243	295	290
Ringgold	39	56	42	49	91	84	107	92	96	87	3	0	0	0	0	3	3	6	1	3
Sac	35	26	29	31	33	22	33	27	62	62	66	76	60	75	97	85	98	92	78	160
Scott	2343	2047	1946	2215	2118	2227	2733	2506	2929	3100	6697	5726	5176	5703	5129	5389	5711	5481	6235	6205
Shelby	36	37	51	42	24	59	34	48	65	81	167	172	155	182	146	195	160	163	218	200
Sioux	32	27	45	43	54	49	49	41	74	41	180	184	202	192	208	162	179	222	203	231
Story	494	509	536	760	656	473	771	825	733	698	1981	2141	2368	2750	2328	2505	2418	2372	2898	2610
Tama	55	63	57	61	66	57	58	130	135	166	195	217	258	205	233	153	221	235	228	277
Taylor	42	43	49	61	64	33	45	42	26	20	51	69	78	94	102	88	75	75	112	133
Union	62	101	96	68	88	97	90	109	209	135	163	306	351	293	303	285	248	295	285	292
Van Buren	35	0	0	0	1	29	76	94	114	61	65	121	124	105	144	178	88	90	101	96
Wapello	718	724	422	383	455	597	590	523	603	502	1092	1118	881	776	852	922	1109	1009	993	992
Jarren .	210	281	333	348	275	224	218	283	279	261	606	610	646	588	545	709	601	725	754	720
Washington	100	115	130	62	97	90	102	87	89	109	138	286	258	251	283	199	233	231	264	269
layne	65	15	47	42	19	28	54	88	85	<i>7</i> 5	102	75	58	97	106	111	106	117	100	68
Hebster	528	454	718	612	650	709	370	430	489	357	1520	1483	1778	1659	1694	1581	1382	1387	1765	1372
/innebago	21	25	34	40	24	24	32	29	53	51	117	172	158	112	113	151	144	114	155	232
Winneshiek	37	67	69	71	71	62	78	110	92	85	252	254	299	312	265	355	306	304	360	404
Woodbury	2028	1972	1994	1980	2021	1748	1634	1385	1402	1211	4755	4397	4637	4227	3978	3378	3627	4181	5224	4912
Worth	71	85	51	61	77	46	88	97	90	68	61	88	95	110	96	91	108	118	139	130
Wright	74	53	66	40	60	50	27	49	66	99	128	138	173	151	184	206	73	116	188	249
State of lowa	24017	24211	26016	27255	26349	25294	26596	27518	30831	31342	79748	79460	80408	79864	76835	74678	77410	82372	92956	93421

Table 4. Reported Motor Vehicle Thefts and Serious Crime Rates in Iowa Counties, 1980-1989.

				M	otor Vel	hicl e T	hefts						Seriou	a Crime	Rates	tpor 1,	000 Res	idents)		
County	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1989*	1988	1987	1986	1985	1984	1983	1982	_{голин} ины 1891	1980
Adair	7	4	5	4	4	2	2	1	1	***************************************	11.1	10.8	13.8	13.7	11.7	11.4	8.1	10.4	13.8	11.4
Adams	5	4	3	2	3	4	4	3	3	2	20.3	15,8	13.9	15.5	18.7	17.7	17.7	19.3	24.6	28.4
Allamakee	21	13	12	6	10	6	8	4	25	15	14.1	13.2	15.2	13.9	14.2	11.6	11.9	10.0	17.9	24.8
Appanoose	12	19	24	14	13	10	30	16	15		33.3	30.4	34.9	33.2	4,88	34.0	37.5	33.9	43.1	49.1
Audubon	3	5	3	4	2	3	0	5	10	7	15.8	14.2	16.2	10.6	12.9	14.4	11.9	16.1	23.5	24.4
Benton	12	14	16	10	21	23	35	31	36	34	16.8	19.8	19.8	14.4	15.7	18.5	21.4	21.2	23.5	23.6
Black Hawk	204	164	135	174	147	192	198	286	289	351	57.8	54.2	47.9	48.8	45.3	49.0	53.1	58.1	63.9	68.9
Boone	22	18	12	25	28	22	25	26	23	62	26.4	26.0	21.7	26.0	25.3	25.7	24.6	27.1	31.2	38.9
Bremer	9	3	9	12	18	14	14	24	35	35	18.6	17.0	20.3	8.05	17.0	17.5	21.2	21.0	24.9	28.2
Buchanan	16	25	26	19	20	25	18	25	33	39	25.0	28.3	31.3	28.1	26.0	24.6	21.6	26.3	27.3	29.1
Buena Vista	22	11	14	17	20	22	18	12	26	21	22.4	22.1	24.0	21.8	23.7	26.5	23.1	28.4	40.5	44.8
Butler	2	10	6	3	6	15	17	9	8	*	9.2	8.4	9.8	7.8	10,5	10,1	10.2	10.6	10.4	14.9
Calhoun	6	8	3	2	3	6	5	2	7	13	14.9	12.2	16.6	15.1	16.3	14.8	13.0	21.8	21.3	22.4
Carroll	15	21	4	10	5	10	12	16	21	21	15.1	19.2	16.6	16.4	17.5	17.0	17.2	16.1	19.0	26.7
Cass	13	11	16	14	12	14	11	6	20	14	18.0	21.6	24.7	18.9	17.7	20.1	18.7	15.9	20.8	23.0
Cedar	9	8	15	14	19	2	18	10	21	30	16.6	13.6	11.5	13.1	14.1	1.5	11.3	11.7	16.1	21.4
Cerro Gordo	77	117	92	102	101	154	140	142	158	169	55.4	59.8	61.8	59.2	65.2	65.4	64.7	62.0	69.8	75.4
Cherokee	14	10	14	8	4	9	6	6	20	36	21.2	17.9	19.2	16.6	15.4	17.5	11.5	15.4	22.5	24.6
Chickasaw	3	6	11	6	8	14	7	6	5	15	13.5	12.6	12.8	14.1	9.7	14.5	12.8	13.5	12.3	17.6
Clarke	7	15	3	6	3	10	7	13	14	12	26.5	25.1	24.7	25.9	23.3	26.9	26.1	27.4	21.8	22.1
Clay	9	17	2	8	15	10	21	20	33	22	34.9	38.1	32.7	40.7	35.8	34.1	34.4	30.3	39.4	39.5
Clayton	4	14	5	9	3	4	9	9	16	18	13.5	14.3	11.5	9.1	7.1	6.9	7.1	8.9	14.7	13.9
Clinton	76	123	92	98	79	138	120	134	222	222	51.3	49.7	52.4	44.7	39.7	47.5	53.0	49.9	54.1	56.6
Crawford	21	21	12	14	12	9	17	12	26	17	25.2	28.6	31.3	23.2	20.5	17.0	21.4	18.9	25.1	19.3
Dallas	15	17	43	36	28	42	42	34	32	34	23.0	19.0	27.1	29.8	26.5	28.7	27.9	27.4	32.2	30.5
Davis	3	6	4	11	1	3	4	8	7	25	14.9	14.8	17.7	16.1	14.2	16.8	10.2	10.3	18.7	21.7
Decatur	17	9	9	10	2	6	9	2	5	8	22.8	20.2	14.4	16.5	14.8	13.7	9.4	11.0	8.6	12.0
Delaware	10	7	7	9	10	5	7	7	27	11	15.8	17.3	15.4	13.4	11.6	11.1	15.4	10.8	14.9	17.0
Des Moines	79	105	66	61	83	93	96	121	115	105	51.9	53.0	57.7	50.0	46.5	52.8	53.2	52.2	55.5	52.7
Dickinson	15	23	18	21	21	13	9	20	28	16	29.8	29.3	28.9	33.3	33.7	26.8	24.1	31.1	33.5	35.8
Dubuque	107	135	139	150	209	211	192	176	315	357	38.4	33.3	38.2	38.8	40.4	43.4	43.0	47.6	53.8	54.7
Emmet	19	14	7	4	0	5	6	15	9	7	28.8	25.8	26.8	25.6	25.4	24.5	26.5	34.2	28.0	22.2
Fayette	31	19	11	13	9	24	23	13	ó	37	19.6	20.3	20.4	21.7	20.6	17.1	16.6	21.7	21.9	26.9

^{*1989} rates were calculated with 1990 population counts; 1989 population estimates were not available.

Table 4. Reported Motor Vehicle Thefts and Serious Crime Rates in Ioua Counties, 1980-1989 (continued).

				н	otor Vel	hicle T	hefts						Seriou	s Crime	Rates	(per 1,	000 Res	idents)		
County	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1989*	1988	1987	1986	1985	1984	1983	1982	1981	1980
Floyd	3	6	12	9	8	16	10	11	15	34	16.3	16.0	16.1	15.2	15.7	16.9	21.1	30.1	28.9	23.6
Franklin	17	7	5	14	3	8	12	8	9	7	26.6	21.0	24.9	19.7	20.4	18.4	19.0	15.0	17.9	17.1
Fremont	12	12	12	6	5	4	11	14	17	12	35.6	27.0	24.2	19.6	14.1	14.5	17.2	19.6	25.4	22.3
Greene	6	10	13	8	4	6	10	14	19	23	18.7	15.5	15.1	14.3	14.0	14.2	16.1	20.6	30.9	33.3
Grundy	5	3	5	11	12	6	5	9	8	14	11.1	9.8	10.9	10.0	13.2	9.0	12.9	9.7	14.6	9.3
Guthrie	3	5	6	11	4	3	8	3	4	10	17.9	12.2	11.6	12.7	11.7	13.5	14.3	14.0	15.6	13.5
Hamilton	25	19	22	33	24	26	24	30	54	63	31.0	25.7	27.4	25.2	25.6	23.7	27.4	32.4	36.1	37.5
Hancock	12	11	6	2	13	6	4	4	10	13	19.2	16.4	17.4	11.4	13.5	12.0	10.4	13.4	15.2	18.2
Hardin	13	17	28	36	16	21	25	27	25	45	24.4	19.2	21.3	23.0	21.2	24.2	23.3	25.2	31.8	33.4
Harrison	4	8	10	20	6	8	9	20	32	33	13.6	13.8	13.7	17.7	14.4	13.8	14.7	20.2	23.9	21.9
Henry	16	12	13	16	15	14	25	13	17	20	22.1	20.0	16.6	16.3	18.6	16.5	14.0	16.9	17.4	19.5
Howard	4	6	5	3	4	4	4	5	9	18	11.8	14.5	14.2	12.2	8.6	12.2	12.5	12.3	16.5	17.7
Humboldt	11	12	7	3	4	13	10	9	19	31	12.4	16.5	12.3	12.8	11.2	18.8	15.8	15.1	22.0	23.1
Ida	0	5	2	0	6	4	9	6	4	0	19.6	23.0	21.6	12.2	11.5	10.4	11.8	14.7	19.3	15.5
Iowa	6	2	9	6	10	7	4	8	19	11	8.1	5.5	8.3	7.8	8.0	7.8	8.2	12.8	17.8	18.6
Jackson	9	15	16	17	10	12	14	28	26	26	25.3	19.9	20.8	18.6	13.9	17.5	19.4	23.2	23.8	29.0
Jasper	44	29	33	33	36	49	51	54	86	65	24.9	28.4	32.5	29.0	31.1	27.1	29.3	34.3	40.4	43.7
Jefferson	32	24	24	10	9	18	13	15	11	13	32.2	27.4	29.2	22.9	30.1	31.8	32.9	33.9	32.3	27.8
Johnson	136	184	155	143	190	145	131	172	221	211	52.1	59.3	54.8	56.6	53.9	47.9	52.0	58.3	61.4	62.1
Jones	21	15	9	20	14	11	13	9	17	23	14.6	14.5	12.1	14.9	12.5	11.4	14.4	14.0	16.0	19.2
Keokuk	4	6	1	8	9	9	8	2	6	7	17.7	12.4	12.9	12.5	12.6	15.4	13.6	13.9	16.0	15.0
Kossuth	7	5	10	6	10	6	10	15	20	28	14.3	12.8	14.5	17.0	17.6	14.4	13.1	16.1	19.3	24.5
Lee	58	60	48	49	56	63	65	80	74	141	42.9	40.3	30.2	30.3	33.1	30.7	34.6	39,9	47.4	51.8
Linn	410	410	415	436	360	378	371	379	458	551	55.1	53.9	63.4	60.9	56.3	52.3	57.7	55.1	65.0	67.4
Louisa	17	19	11	20	8	10	13	11	18	15	36.0	32.8	26.6	28.1	25.9	25.3	32.1	32.8	37.8	34.7
Lucas	7	8	16	15	17	31	31	22	33	33	30.5	25.3	29.6	26.2	33.2	34.3	32.9	33.6	40.8	34.6
Lyon	1	0	3	2	3	2	3	4	3	4	6.5	5.7	7.3	6.8	6.2	6.0	6.2	4.3	6.9	7.2
Madi son	8	10	8	15	14	18	5	6	13	7	20.1	21.6	21.2	27.1	25.5	17.1	14.6	15.7	18.1	17.7
Mahaska	20	22	9	18	23	20	33	50	45	42	29.3	31.5	32.6	30.4	33.4	30.6	39.2	41.4	48.3	48.8
Marion	18	11	24	23	29	24	20	28	40	36	18.7	21.8	22.9	23.4	20.2	20.6	19.7	18.9	25.5	26.6
Marshall	59	39	34	45	39	44	52	55	62	92	45.1	38.1	37.3	35.1	31.0	31.9	34.3	39.6	44.4	49.1
Mills	22	15	20	16	12	9	19	15	16	15	28.6	23.1	25.7	24.1	22.3	23.6	27.4	31.3	29.3	36.6
Mitchell	4	11	6	6	5	3	5	5	4	10	13.5	13.7	14.4	13.9	12.7	10.3	10.1	12.2	12.2	13.5

Table 4. Reported Motor Vehicle Thefts and Serious Crime Rates in Iowa Counties, 1980-1989 (continued).

				M	otor Vel	nicle Ti	hefts						Seriou	s Crime	Rates	(per 1,	000 Res	idents))	
County	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1989*	1988	1987	1986	1985	1984	1983	1982	1981	1980
Monone	11	15	10	9	13	14	13	13	20	19	23.3	26.7	25.4	22.1	20.4	24.6	23.7	23.8	25.1	26.8
Monroe	3	4	1	1	3	9	6	7	16	22	31.7	26.7	25.8	20.4	23.9	27.8	29.1	28.7	37.5	40.0
Montgomery	23	22	30	17	15	13	14	6	17	43	44.3	45.3	46.4	34.9	30.4	25.0	20.8	23.8	28.4	34.6
Muscatine	62	68	69	54	47	72	60	82	89	93	30.2	32.0	28.1	27.6	35.1	36.8	35.4	45.7	52.8	50.7
O'Brien	9	18	10	11	10	7	18	17	13	13	20.3	18.5	21.3	18.7	18.3	18.1	17.0	18.5	20.8	22.9
Osceola	2	3	2	0	3	1	0	1	1	0	10.6	13.2	11.3	9.0	9.0	10.6	14.3	13.0	6.4	7.5
Page	23	10	21	16	28	9	17	16	19	19	27.5	25.4	27.5	23.4	28.3	26.0	24.3	24.4	31.0	32.2
Palo Alto	11	5	2	5	9	5	13	14	6	14	29.7	23.7	22.0	20.1	18.8	19.3	20.3	20.2	24.6	28.1
Plymouth	16	17	11	14	25	25	21	22	35	31	12.6	17.3	17.1	17.7	17.3	18.1	12.8	15.1	19.2	18.4
Pocahontas	5	4	2	7	8	4	2	4	5	1	12.0	9.5	8.8	9.3	8.3	9.0	10.0	11.9	17.1	16.1
Polk	916	1049	1013	1063	1061	1057	989	993	1161	1470	72.5	78.4	81.9	90.7	83.1	74.7	75.2	81.7	85.4	85.2
Pottawattamie	388	354	299	336	324	283	254	282	389	392	69.0	58.7	57.7	54.9	52.1	48.1	52.1	56.1	75.1	71.3
Powesh i ek	8	2	5	15	9	11	23	23	36	17	12.9	12.7	17.6	17.5	14.7	17.9	18.1	19.3	24.5	24.7
Ringgold	0	0	0	0	1	5	5	4	4	3	7.7	10.4	7.8	9.1	15.9	15.5	19.3	16.7	16.6	15.4
Sac	6	4	1	1	1	0	3	3	2	6	8.9	8.5	7.2	8.6	10.5	8.1	9.9	9.0	10.4	16.2
Scott	342	243	219	273	211	218	271	290	408	467	68.8	57.8	52.9	59.5	54.0	54.8	60.2	56.3	65.2	67.3
Shelby	9	12	6	12	7	8	10	13	27	16	16.3	16.7	15.2	16.6	12.4	17.8	14.8	15.9	22.3	20.3
Sioux	12	10	14	10	10	11	9	11	22	16	7.8	7.6	9.0	8.3	8.9	7.4	7.8	9.2	9.8	9.4
Story	77	91	91	138	106	99	92	168	151	173	35.9	39.7	43.5	53.1	45.2	44.7	47.6	49.2	54.6	50.0
Tame	17	11	13	7	9	3	14	17	16	39	18.5	17.0	18.1	14.8	17.0	11.2	15.5	20.3	20.5	25.9
Taylor	9	7	4	7	12	1	6	4	2	6	14.3	17.6	17.8	21.2	22.6	15.1	15.2	14.6	16.7	19.4
Union	14	17	24	12	26	22	25	22	19	19	19.2	33.7	36.7	28.9	32.0	30.0	27.0	31.5	37.4	32.5
Van Buren	6	1	4	8	4	8	11	4	1	3	15.2	15.6	15.9	14.6	18.6	26.7	21.3	22.2	24.9	18.9
Wapello	68	80	65	69	68	89	94	89	108	89	55.6	54.0	38.2	33.1	36.0	41.4	45.8	41.5	43.2	39.8
Warren	35	38	44	41	57	49	40	46	41	57	25.0	26.3	29.2	28.0	25.9	28.8	25.1	31.1	31.4	31.0
Washington	19	25	12	18	11	14	34	20	41	18	14.3	22.6	21.5	17.9	21.0	16.7	18.8	18.1	20.8	20.8
Wayne	5	3	1	3	5	2	5	6	6	3	25.0	13.1	14.8	19.7	17.2	18.1	20.9	26.4	23.7	18.2
Webster	135	105	119	123	149	172	133	120	194	195	57.0	52.3	66.5	60.4	61.6	59.9	44.7	44.3	54.5	42.3
Winnebago	5	4	4	9	7	10	6	6	11	12	12.7	17.1	17.1	13.5	12.0	14.9	14.8	12.7	17.9	24.1
Winneshiek	11	14	25	23	28	22	17	26	22	25	15.1	15.6	18.9	19.4	17.0	20.2	18.8	20.5	21.8	24.4
Hoodbury	340	333	312	246	247	217	211	262	488	418	77.6	73.8	76.4	70.1	66.4	56.6	57.0	60.0	73.2	68.0
Worth	5	5	4	8	8	6	8	3	9	13	17.3	21.2	18.1	20.5	20.4	16.6	23.0	24.3	26.4	23.9
Wright	5	8	3	2	7	12	5	8	18	28	15.4	14.8	18.4	15.0	18.0	17.6	6.8	11.4	17.8	23.8
State of Ioua	4496	4596	4275	4514	4423	4596	4586	4947	6425	7178	41.7	40.8	41.5	41.7	39.5	38.0	39.2	41.2	46.6	47.3

Rates of Serious Crimes

Serious crimes were reported most often in lowa's more populous counties. To control for the effects of population, the numbers of crimes in these seven most serious categories were added together in each county for each year. The result was divided by the number of persons in the county; this number was multiplied by 1,000 so that the rates were standardized across the counties. This crime index indicates the total number of serious crimes for every 1,000 residents in the 99 counties and the state. Two cautions must be noted. First, the U.S. Bureau of the Census did not provide a population estimate for 1989 because of the proximity of the 1990 census; the 1990 population count was used to calculate the 1989 crime rates. Second, crime rates can change if either the population or the number of crimes change; for example, a rate can drop either because the population increased or the number of crimes decreased. And a rate may increase because the population declined or more crimes were reported.

Rates of serious crimes were highest for lowa in 1980 and 1981, when about 47 crimes were reported for every 1,000 residents (Table 4). The rates were about five points lower every year after 1981. These crime rates varied relatively little between 1982 and 1989, with about 40 serious crimes reported for every 1,000 lowans during this period.

In 1980, four counties (Grundy, Lyon, Osceola, Sioux) had serious crime rates under 10 per 1,000 residents; in contrast, 14 counties had rates of 50 or higher. Polk's 85.2 serious crimes for every 1,000 residents was the highest in the state, followed by rates of 75.4 in Cerro Gordo and 71.3 in Pottawattamie. Five other counties had rates in the 60s (Black Hawk, Johnson, Linn, Scott, Woodbury) and six were in the 50s (Clinton, Des Moines, Dubuque, Lee, Muscatine, Story). In 1989, six counties (Butler, Iowa, Lyon, Ringgold, Sac, Sioux) had crime rates below 10 while 12 were above 50. Woodbury (77.6) was the highest, although Polk (72.5), Pottawattamie (69.0), and Scott (68.8) had crime rates above 60 in 1989. Those with from 50 to 59 serious crimes per 1,000 population in 1989 included Black Hawk, Cerro Gordo, Clinton, Des Moines, Johnson, Linn, Wapello, and Webster. Thus, counties with higher populations tended to have both greater numbers and rates of serious crimes in 1980 and in 1989.

A total of 75 countles had lower crime rates in 1989 than in 1980. Declines of at least 10 points in the serious crime index occurred in 22 counties, with the drops in Buena Vista (-22.4), Cerro Gordo (-20.0), and Muscatine (-20.5) at least 20 points. Four counties (Appanoose, Dubuque, Jasper, Mahaska) had 1989 rates 15-19 points below those in 1980.

Twenty-three counties reported higher serious crime rates at the end of the period than at the beginning. Increases were less than five points in 13 of these counties. The crime rates were at least 10 points higher in 1989 than in 1980 in Decatur, Fremont, Wapello, and Webster. One county (Mitchell) had the same rate at the beginning and the end of the period. Caution is urged in comparing 1980 and 1989 for either increases or decreases; it is preferable to include the intervening years to determine trends.

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. These data depend on residents reporting crimes to law enforcement agencies. The record of agencies in turn submitting information to the state is excellent, but variations in reporting practices among county residents and local agencies suggest that caution be taken in drawing conclusions from these data. Four violent crimes are included in this report: murder (the willful, non-negligent killing of one human being by another), forcible rape (the carnal knowledge or attempted carnal knowledge of a female forcibly against her will), robbery (the taking or attempting to take anything of value from the care, custody, or control of a person or persons by violence or by putting the victim in fear), and aggravated assault (an unlawful attack or attempt by one person upon another for the purpose of inflicting severe or aggravated bodily injury). Three property crimes are among these serious crimes: burglary (breaking or entering; the unlawful entry or attempted entry of a structure to commit a felony or a larceny), larceny (the unlawful taking of property, except motor vehicle thefts, from the possession or constructive possession of another), and motor vehicle theft (the theft or attempted theft of a motor vehicle; farm equipment, construction equipment, boats, and airplanes are specifically excluded from this category and are included under larceny).

Arrests of Juveniles in Iowa's Counties:

1980-1989

Yang Xiaodong, Iowa State University Willis Goudy, Iowa State University Sandra Charvat Burke, Iowa State University Michael Coveyou, Iowa Department of Public Safety

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.

Part I Crimes

The most serious offenses are called Part I crimes; they are crimes that occur with the greatest regularity and are most frequently reported to law enforcement agencies. This category includes murder, forcible rape, robbery, aggravated assault, burglary, larceny, and motor vehicle theft. Definitions of these crimes are included in a note concluding the report on serious crime in this volume.

In 1989, 7,501 arrests of juveniles were reported for Part I crimes (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 that have been arrested. In year-to-year comparisons during the 1980s, the number of arrests of juveniles for Part I crimes decreased six times and increased three others. From 1980 to 1989, arrests of juveniles dropped by 1,703 (-18.5%). This decline probably was related to a decrease in the population of juveniles during the 1980s. The U.S. Bureau of the Census estimated that lowe had 118,000 fewer residents under the age of 18 in 1989 than in 1980; that was a decline of 14.3%.

Arrests of juveniles for Part I crimes in six counties (Black Hawk, Linn, Polk, Pottawattamie, Scott, Woodbury) accounted for nearly half (49.8%; 3,734) of the total for lowa in 1989. On the other hand, no arrests for Part I crimes were noted in eight counties (Adams, Audubon, Guthrie, Harrison, Iowa, Keokuk, Ringgold, Wayne); 16 others had fewer than 10 arrests of juveniles for these crimes in 1989. When 1980 and 1989 are compared, arrests of juveniles for Part I crimes increased in 34 counties, topped by Johnson with a gain of 61. Total Part I arrests were unchanged in six counties. They declined in the remaining 59, with the greatest difference occurring in Polk, which had 450 fewer arrests of juveniles in 1989 than in 1980; four others (Black Hawk, Clinton, Dubuque, Linn) had at least 100 fewer arrests at the end of the decade than at the beginning.

Information is available from the lowa Department of Public Safety on specific Part I crimes as well as the total. Four (aggravated assault, burglary, larceny, motor vehicle theft) had at least 300 juvenile arrests in 1989 (Tables 1 and 2). Four others (murder, homicide and negligent manslaughter, forcible rape, robbery) had only small numbers of arrests and are reported as "other" (Table 2). Arrests for larceny (the unlawful taking of property, except motor vehicle thefts, from the possession or constructive possession of another) account for at least 64% of the total arrests of juveniles for Part I crimes each year. The only other category with juvenile arrests greater than 1,000 is burglary. Arrests for larceny (-831, -13.7%), burglary (-575, -30.4%), and motor vehicle theft (-323, -39.4%) dropped when 1980 and 1989 were compared, although arrests for aggravated assault increased considerably (+146, 74.9%). Arrests of juveniles from the other four Part I crimes also decreased over the decade (-120, -56.3%).

Table 1. Total Juvenile Part I Arrests and Selected Juvenile Part I Arrests (Aggravated Assault and Burglary) in Iowa Counties, 1980-1989.

		T	Total Part I Arrests of Juveniles 88 1987 1986 1985 1984 1983 1982 1981 1980									Aggr	avate	d Ass	aul t								Burg	lary						
County	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	5	3	2	9	5	3	0	3	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	2	0	0	0	0
Adams	0	5	7	0	3	6	1	0	5	3	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	4	0	0	1	2
Allamakee	17	5	14	7	15	8	11	20	13	19	0	0	0	1	0	0	0	0	0	0	2	2	3	1	3	0	0	4	2	5
Appanoose	28	33	35	26	38	34	21	41	34	58	0	0	3	5	3	1	2	7	0	6	9	4	3	1	4	5	3	16	11	14
Audubon	0	3	7	6	8	5	4	8	6	5	0	0	0	0	0	0	0	0	0	0	0	0	5	0	1	0	2	2	2	1
Benton	28	36	29	35	58	88	95	96	111	51	0	0	0	0	2	3	2	2	13	1	18	12	12	5	14	38	34	46	41	7
Black Hawk	665	449	461	448	422	552	466	571	656	809	22	17	19	16	14	9	8	4	5	10	140	91	103	88	74	108	78	124	107	185
Boone	34	49	34	39	87	62	26	50	54	60	1	0	1	0	1	1	1	0	0	1	14	9	6	6	8	14	0	24	12	2
Bremer	19	37	71	53	70	55	45	50	49	15	1	6	1	4	3	1	0	1	3	0	6	6	18	15	34	18	17	7	16	3
<u>Buchanan</u>	47	56	56	38	43	55	38	72	27	44	0	1	1	0	0	2	1	1	4	0	30	19	14	19	12	9	5	23	10	10
Buena Vista	39	26	70	29	38	38	35	19	33	32	0	0	2	1	0	1	0	0	0	1	8	4	9	6	9	6	9	7	7	8
Butler	6	4	8	1	8	15	8	10	16	8	0	0	0	0	1	0	0	0	0	0	4	0	1	1	2	5	4	5	9	2
Cathoun	9	9	14	11	15	4	1	16	12	9	2	0	0	0	0	0	0	0	0	0	3	1	3	4	0	0	0	5	6	1
Carrol l	31	60	47	53	59	49	36	33	62	48	1	0	0	0	0	1	0	1	0	1	5	9	7	1	30	11	5	7	28	4
Cass	46	10	32	15	21	26	41	25	21	31	0	0	0	0	0	0	0	0	0	0	6	3	9	2	5	3	7	8	2	6
Cedar	9	9	10	11	24	7	4	0	6	14	0	0	1	0	0	0	0	0	0	0	3	2	0	4	12	1	3	0	5	9
Cerro Gordo	289	255	348	338	275	195	227	175	238	247	38	15	34	10	22	12	8	6	21	2	50	11	53	34	27	36	31	30	56	28
Cherokee	22	34	18	14	25	6	9	16	30	35	1	0	0	0	2	0	0	0	0	0	1	6	1	5	5	5	1	4	9	1
Chickasaw	10	7	11	20	14	22	9	17	7	17	0	0	2	0	0	0	0	0	0	0	1	0	2	9	3	8	6	6	2	10
Clarke	23	10	13	21	11	24	22	60	18	16	1	0	1	0	0	1	0	0	0	1	4	0	0	7	2	2	0	16	3	5
Clay	67	54	76	77	63	70	27	24	17	27	1	1	0	2	0	0	0	0	0	0	11	5	3	0	16	10	4	10	6	4
Clayton	6	7	7	9	8	17	13	18	23	43	1	1	0	0	0	5	0	0	0	1	0	2	3	5	4	0	4	6	1	31
Clinton	155	238	223	259	199	212	231	275	312	312	2	1	3	1	4	5	4	3	0	4	15	43	73	71	30	50	32	40	53	47
Crawford	42	52	36	47	48	20	21	18	34	15	0	0	0	0	0	1	0	0	0	0	0	6	7	12	15	3	7	11	11	3
Dallas	18	22	33	29	21	34	13	31	38	74	1	1	2	0	1	1	0	1	3	2	5	1	13	2	3	6	5	11	13	27
Davis	12	11	5	6	4	4	14	0	0	2	0	1	0	0	0	1	0	0	0	0	2	1	1	6	0	0	0	0	0	1
Decatur	32	12	8	3	6	4	17	8	8	18	0	0	0	0	0	0	0	0	0	0	8	7	0	3	0	3	11	2	5	4
Delaware	24	26	26	12	36	13	9	9	23	55	0	0	1	0	0	0	1	0	1	1	9	10	2	1	10	1	0	5	5	11
Des Moines	183	193	204	139	229	169	134	187	150	133	8	28	22	7	11	8	7	9	6	5	23	38	26	43	47	21	38	40	27	20
Dickinson	42	33	27	43	23	16	8	14	17	27	0	0	0	0	0	1	0	0	0	0	3	7	7	10	4	4	4	5	0	4
Dubuque	299	338	308	347	255	316	230	412	470	469	41	66	25	16	7	6	3	2	1	4	45	29	36	49	51	57	54	144	107	114
Emmet	33	27	32	37	27	54	19	23	22	33	2	0	0	0	0	0	0	0	0	0	6	3	6	9	7	5	5	6	0	3
Fayette	40	28	40	26	29	41	27	53	43	83	5	1	0	0	2	0	0	0	3	2	6	2	18	3	6	9	6	3	9	14

Table 1. Total Juvenile Part I Arrests and Selected Juvenile Part I Arrests (Aggravated Assault and Burglary) in Iowa Counties, 1980-1989 (continued).

		T	otal	Part	I Arı	ests	of Ju	veni l	es					Aggr	avate	d Ass	aul t								Burg	lary				
County	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Floyd	46	25	55	52	21	30	55	66	69	84	3	0	0	0	0	0	0	0	1	0	7	6	2	2	2	4	8	10	6	17
Franklin	52	29	24	25	19	18	24	12	24	17	0	0	0	0	0	0	0	0	0	0	23	13	11	4	3	3	7	0	7	5
Fremont	17	16	7	10	18	27	15	8	16	7	0	0	0	0	0	0	0	0	0	0	6	3	1	7	0	4	4	4	2	5
Greene	21	9	10	13	13	5	14	3	11	6	0	1	0	1	0	0	0	0	0	0	10	2	0	0	3	3	4	0	7	0
Grundy	26	22	8	15	15	9	12	18	15	14	0	0	0	0	0	0	0	0	0	0	7	5	0	7	8	6	6	0	0	2
Guthrie	0	0	1	1	0	0	1	1	10	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	0	6	0
Hamilton	57	50	34	33	32	40	35	35	38	30	0	0	0	1	0	0	1	0	0	0	19	7	7	3	3	7	3	1	4	3
Hancock	31	12	27	9	15	18	6	11	21	9	0	0	1	0	0	0	0	0	1	0	0	2	4	2	7	1	0	3	7	1
Hardin	30	28	41	38	41	29	33	28	57	53	0	0	G	0	ø	0	3	0	G	Ø	9	7	17	0	14	8	6	9	18	22
Harrison	0	1	7	30	11	18	25	6	5	10	0	0	0	1	0	0	0	0	0	0	0	0	6	13	1	9	3	3	0	0
Henry	25	21	27	33	43	24	21	31	26	32	0	4	6	2	0	0	0	0	1	2	5	0	2	4	3	0	2	11	8	12
Howard	24	16	13	15	9	13	8	13	11	22	0	0	0	0	1	0	2	0	0	0	4	1	0	4	3	0	0	2	2	8
Humbol dt	8	5	23	24	10	10	10	11	15	.18	0	0	0	0	0	0	3	0	0	0	2	2	3	0	4	2	0	1	8	0
Ida	11	14	13	8	4	10	5	10	17	19	0	1	0	0	0	0	0	0	0	1	2	1	7	0	1	1	2	1	3	14
Iowa	0	0	13	0	0	1	2	23	27	39	0	0	0	0	0	1	0	0	0	1	0	0	5	0	0	0	1	5	11	16
Jackson	49	35	33	20	15	17	31	12	15	29	0	0	1	0	0	0	0	0	0	0	12	3	1	3	0	4	9	2	2	9
Jasper	74	42	63	46	69	103	114	117	108	94	0	3	0	3	1	1	1	0	2	0	18	8	15	4	13	15	25	22	17	6
Jefferson	21	18	11	7	18	15	14	4	10	25	0	0	0	0	0	0	1	0	0	0	2	2	4	1	1	1	4	2	5	0
Johnson	220	202	169	147	148	165	135	180	146	159	19	7	9	10	4	6	9	8	10	3	24	28	20	12	15	30	19	40	29	29
Jones	12	4	, 9	8	12	10	11	17	6	7	1	1	0	0	2	0	2	0	1	0	1	0	4	3	0	0	0	3	1	0
Keokuk	0	0) (0	C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kossuth	16	25	26	19	40	36	29	29	24	17	3	0	0	0	0	0	0	0	0	0	4	15	2	3	9	3	6	1	5	1
Lee	87	104	121	149	136	115	122	175	144	143	1	3	6	1	2	2	0	1	2	4	20	24	29	29	27	22	25	66	27	36
Lim	604	627	660	803	735	853	807	764	935	1003	9	14	12	31	8	15	17	8	12	6	47	63	71	122	125	132	118	118	154	162
Louisa	22	12	21	7	11	26	14	26	15	30	0	3	0	1	1	0	0	2	0	3	10	2	7	0	8	22	3	14	8	13
Lucas	25	32	27	' 18	38	49	32	25	29	22	0	0	0	0	0	1	0	0	0	1	1	6	9	3	9	10	11	3	8	2
Lyon	7	7	9	8	20	10	17	7	3	8	0	0	1	1	0	0	0	0	0	0	3	0	1	2	7	0	9	0	1	5
Madison	30	19	23	12	28	3 13	9	9	28	28	0	0	0	0	0	0	0	0	0	0	10	2	1	10	11	4	4	0	6	4
Mahaska	73	66	90	73	65	86	157	42	104	68	4	3	4	3	3	3	3	2	2	3	17	10	12	12	6	16	53	21	38	22
Marion	44	34	64	46	60	29	48	27	36	44	3	4	3	2	1	1	5	2	1	1	6	3	7	8	10	11	6	8	10	3
Marshall	175	187	126	153	95	128	92	131	197	187	14	11	4	11	13	6	5	14	14	9	23	17	26	15	5	17	19	34	40	30
Mills	19	14	22	19	16	10	16	26	20	22	2	0	2	1	0	0	0	1	5	2	2	0	6	6	2	4	6	12	6	0
Mitchell	12	23	3 17	32	18	12	13	17	11	17	0	0	0	0	0	0	1	0	0	0	0	6	7	13	3	3	2	3	5	1

Table 1. Total Juvenile Part I Arrests and Selected Juvenile Part I Arrests (Aggravated Assault and Burglary) in Iowa Counties, 1980-1989 (continued).

	Total Part 1 Arrests of Juveniles 1989 1988 1987 1986 1985 1984 1983 1982 1981 1980													Aggr	evate	d Ass	eul t								Burg	lary				
County	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1989	1988	1987	1986	1985	1984	1983	1982	1981	198
fonona	13	8	7	0	6	5	0	1	7	4	0	0	0	0	0	1	0	0	0	0	4	1	3	0	3	0	0	1	5	(
fonroe	5	9	0	6	8	5	7	8	19	22	0	0	0	0	1	1	0	0	3	2	2	3	0	2	0	1	5	4	3	7
ontgomery .	44	30	27	34	42	7	6	7	15	22	0	1	1	0	0	0	0	0	0	0	2	0	3	2	10	7	4	6	10	13
luscatine	101	126	91	90	85	78	102	128	140	122	2	2	1	0	1	0	0	1	1	0	12	25	11	14	9	12	41	28	50	49
'Brien	28	23	43	22	31	31	41	45	39	49	0	0	0	0	0	0	0	0	0	0	5	2	4	2	11	15	12	18	6	10
sceola	3	1	0	12	8	17	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
age	28	31	27	24	27	29	38	27	37	43	3	1	1	0	1	0	0	0	0	1	7	2	6	9	8	6	10	5	6	1
alo Alto	19	28	12	12	28	19	20	13	18	3	0	2	1	1	0	0	0	0	1	0	1	11	2	1	14	5	4	2	8	
lymouth	31	29	33	33	47	37	17	30	29	47	0	1	2	2	0	1	0	0	0	0	4	1	5	6	12	7	2	2	4	•
ocahontas	6	10	6	4	5	9	5	21	12	8	0	0	0	0	0	0	0	0	0	0	1	7	0	3	3	7	0	3	5	
olk	462	505	622	847	848	863	839	963	1063	912	20	16	32	37	36	31	42	72	48	64	66	52	122	206	197	244	222	225	255	20
ottawattamie	422	383	393	330	351	300	245	357	384	492	13	6	9	12	9	10	6	5	7	10	73	55	48	46	46	48	61	93	81	11
owesh i ek	4	1	12	40	20	31	22	18	49	32	0	1	2	0	0	0	0	0	0	0	3	0	0	1	6	4	5	2	7	
inggold	0	1	0	0	0	0	0	1	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	
ac	5	7	3	12	15	17	13	17	0	15	0	1	0	2	1	0	0	0	0	0	0	3	2	8	5	7	0	6	0	
cott	842	680	<i>7</i> 37	783	693	679	734	696	861	847	72	59	45	29	31	32	27	18	27	19	195	166	209	194	192	140	150	198	208	17
helby	7	9	13	16	17	19	11	19	20	18	0	1	0	0	1	0	1	1	3	0	2	0	3	0	5	8	1	4	10	1
ioux	16	12	20	31	22	12	16	18	27	23	0	0	0	0	0	0	0	0	0	0	4	2	5	16	7	1	5	5	9	
tory	102	114	135	123	148	145	150	141	176	180	0	2	2	1	6	6	8	5	14	11	22	9	24	15	43	27	30	30	37	3
ama	31	9	17	17	10	9	18	37	30	61	2	0	0	0	0	0	2	1	0	0	10	2	5	1	6	5	2	8	11	2
aylor	7	1	2	4	2	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	2	0	0	1	0	0	0	0	0	
nion	56	31	15	24	39	12	12	38	19	11	0	1	0	1	0	0	0	0	0	0	2	5	0	1	4	5	2	6	3	
an Buren	4	12	2	2	15	7	4	3	0	7	0	0	0	0	0	1	0	0	0	0	2	8	0	0	6	1	3	2	0	
apello	84	82	117	111	109	160	112	135	184	117	3	4	0	0	0	0	1	0	0	0	4	15	17	20	14	29	41	26	37	2
arren	76	48	59	39	41	43	32	73	43	45	0	0	7	4	1	1	1	4	2	1	9	13	18	13	15	16	11	26	8	1
ashington	16	10	13	6	6	12	23	17	8	9	2	0	0	1	1	2	0	3	0	0	0	2	0	0	1	1	2	0	1	
layne	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ebster	149	136	197	179	208	237	247	182	225	152	4	7	7	3	3	3	7	9	3	2	27	13	36	35	21	40	44	23	36	3
i nnebago	28	28	35	17	16	18	12	24	25	32	3	3	2	2	0	1	1	2	2	1	6	0	4	2	5	6	0	4	1	
inneshiek	35	30	31	43	47	20	34	33	36	46	1	1	3	3	. 2	3	2	0	0	0	10	5	6	9	9	0	3	8	11	
loodbury	739	818	544	691	725	<i>7</i> 51	524	618	752	758	29	34	23	18	13	31	14	9	7	6	104	139	66	97	99	112	113	104	128	10
lorth	9	6	4	3	4	3	8	13	11	18	0	0	0	1	0	0	0	0	0	0	3	3	0	0	0	0	3	12	4	
Jright .	11	18	14	4	10	2	4	21	24	30	0	0	0	0	0	0	0	0	0	0	5	10	7	1	4	0	0	10	3	9

Table 2. Selected Juvenile Part I Arrests (Larceny, Motor Vehicle Theft, Other) in Iowa Counties, 1980-1989.

•	Larceny 1989 1988 1987 1986 1985 1984 1983 1982 1981 1980													Moto	or Veh	icle	Theft	;						Other	Part	1 Ari	ests	a		
County	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1989	1988	1987	1986	1985	1984 1	983	1982	1981	1980
Adair	5	2	2	9	0	1	0	1	3	1	0	1	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0	C
Adams	0	0	7	0	0	2	1	0	2	1	0	0	0	0	3	0	0	0	2	0	0	0	0	0	0	0	0	0	0	C
Allamakee	14	3	9	5	12	8	11	14	11	14	1	0	5	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
Appanoose	17	22	28	20	29	28	16	17	20	32	2	7	1	0	2	0	0	1	3	6	0	0	0	0	0	0	0	0	0	C
Audubon	0	3	2	6	7	5	2	2	3	1	0	0	0	0	0	0	0	4	1	3	0	0	0	0	0	0	0	0	0	0
Benton	7	21	14	23	34	40	53	37	45	36	2	3	3	7	8	7	4	10	10	6	1	0	0	0	0	0	2	1	2	1
Black Hawk	463	320	314	318	307	407	352	374	501	564	26	13	8	13	18	11	16	44	37	41	14	8	17	13	9	17	12	25	6	9
Boone	19	37	27	24	71	42	24	24	28	36	0	3	0	9	7	5	1	1	14	20	0	0	0	0	0	0	0	1	0	1
Bremer	11	24	51	31	28	28	18	38	26	10	1	0	1	1	5	8	10	4	4	2	0	1	0	5	0	0	0	0	0	0
Buchanan	12	27	39	16	25	32	22	45	9	27	5	8	5	3	4	11	8	2	3	6	0	1	0	0	2	1	2	1	1	1
Buena Vista	26	19	58	19	24	27	24	11	20	19	5	3	1	3	5	4	1	1	5	4	0	0	0	0	0	0	1	0	1	0
Butler	2	4	6	0	5	4	1	4	7	6	0	0	0	0	0	6	3	1	0	0	0	0	1	0	0	0	0	0	0	0
Cathoun	2	6	6	7	15	3	1	11	5	2	2	2	5	0	0	1	0	0	1	6	0	0	0	0	0	0	0	0	0	0
Carroll	20	45	39	47	29	30	30	25	29	40	5	6	1	5	0	7	1	0	5	3	0	0	0	0	0	0	0	0	0	0
Cass	34	7	23	10	11	22	32	17	17	24	6	0	0	3	5	1	0	0	2	0	0	0	0	0	0	0	2	0	0	1
Cedar	6	7	9	7	12	6	1	0	1	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cerro Gordo	192	210	250	287	206	140	178	128	143	198	9	18	10	7	18	5	8	8	14	17	0	1	1	0	2	2	2	3	4	2
Cherokee	19	28	16	9	15	0	8	12	17	21	1	0	1	0	3	1	0	0	4	13	0	0	0	0	0	0	0	0	0	0
Chickasaw	9	6	6	11	11	11	3	8	5	6	0	1	1	0	0	3	0	3	0	1	0	0	0	0	0	0	0	0	0	0
Clarke	14	9	8	12	7	16	16	41	4	10	0	1	4	0	2	5	6	3	11	0	4	0	0	2	0	0	0	0	0	0
Clay	55	44	73	75	47	59	21	14	11	20	0	4	0	0	0	1	2	0	0	3	0	0	0	0	0	0	0	0	0	0
Clayton	5	2	4	4	4	6	7	10	17	11	0	2	0	0	0	6	2	2	5	0	0	0	0	0	0	0	0	0	0	0
Clinton	132	164	127	180	151	143	159	200	236	211	4	24	20	7	11	12	35	30	22	40	2	6	0	0	3	2	1	2	1	10
Crawford	36	43	29	34	30	11	14	6	20	12	6	3	0	1	3	5	0	1	3	0	0	0	0	0	0	0	0	0	0	0
Dallas	12	18	12	22	13	25	5	13	21	38	0	0	6	3	1	0	3	2	1	5	0	2	0	2	3	2	0	4	0	2
Davis	7	9	4	0	4	3	14	0	0	0	3	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Decatur	9	3	5	0	5	1	5	5	2	7	15	2	3	0	1	0	1	1	1	7	0	0	0	0	0	0	0	0	0	0
Delaware	11	9	21	10	26	10	6	4	15	41	4	7	2	1	0	2	2	0	2	2	0	0	0	0	0	0	0	0	0	0
Des Moines	124	107	141	78	163	134	83	114	94	86	27	20	13	10	8	4	5	21	20	19	1	0	2	1	0	2	1	3	3	3
Dickinson	34	26	20	30	19	11	4	9	14	22	5	0	0	3	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	1
Dubuque	198	227	223	253	174	221	147	238	313	285	13	13	19	25	15	30	23	21	43	63	2	3	5	4	8	2	3	7	6	3
Emmet	18	24		28	20	45	13	17	21	28	7	0	0	0	0	4	1	0	1	2	0	0	0	0	0	0	0	0	0	0
fayette	24	25			21	31	21			62	4	0	0	4	0	1	0	0	2	5	1	0	0	0	0	0	0	0	0	0

^aThis includes criminal murder, homicide and negligent manslaughter, forcible rape, and robbery.

Table 2. Selected Juvenile Part I Arrests (Larceny, Motor Vehicle Theft, Other) in Iowa Counties, 1980-1989 (continued).

			Larceny 8 1987 1986 1985 1984 1983 1982 1981 1980											Moto	or Veh	icle	Theft	:						Othe	r Part	I Arı	rests	a		
County	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1989	1968	1987	1986	1985	1984	1983	1982	1981	1980	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Floyd	35	19	51	50	19	23	47	53	58	63	1	0	2	0	0	3	0	3	1	3	0	0	0	0	0	0	0	0	3	1
Franklin	25	14	12	16	15	15	10	12	17	12	4	2	1	5	1	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0
Fremont	11	11	5	3	15	22	3	3	6	1	0	2	1	0	3	1	7	1	7	1	0	0	0	0	0	0	1	0	1	0
Greene	10	6	10	12	10	2	6	3	2	4	1	0	0	0	0	0	4	0	2	1	0	0	0	0	0	0	0	0	0	1
Grundy	17	17	5	6	4	1	5	14	13	10	2	0	3	2	1	2	1	4	2	2	0	0	0	0	5	0	0	0	0	0
Guthrie	0	0	0	0	0	0	0	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Hamilton	30	31	21	22	24	32	24	32	32	18	8	12	6	7	5	1	7	1	2	7	0	0	0	0	0	0	0	1	0	2
Hancock	27	10	22	7	8	14	6	6	10	8	4	0	0	0	0	3	0	2	1	0	0	0	0	0	0	0	0	0	2	0
Hardin	18	20	13	31	27	17	19	12	26	15	3	6	11	7	0	4	5	7	13	14	0	1	0	0	0	0	0	0	0	2
Harrison	0	1	1	10	5	7	12	0	4	9	0	0	0	2	1	2	10	3	1	1	0	0	0	4	4	0	0	0	0	0
Henry	20	13	18	24	38	24	14	18	17	17	0	4	1	3	2	0	5	5	0	1	0	0	0	0	0	0	0	0	0	0
Howard	19	15	11	11	4	12	6	11	5	10	1	0	2	0	1	1	0	0	4	4	0	0	0	0	0	0	0	0	0	0
Humboldt	6	3	19	24	5	8	6	8	3	8	0	0	1	0	1	0	1	5	4	10	0	0	0	0	0	0	0	0	0	0
ida	9	12	6	8	1	8	2	7	8	4	0	0	0	0	2	1	1	2	6	0	0	0	0	0	0	0	0	0	0	0
I owa	0	0	7	0	0	0	1	14	12	21	0	0	1	0	0	0	0	4	3	1	0	0	0	0	0	0	0	0	1	0
Jackson	37	31	25	17	15	10	20	9	13	18	0	1	5	0	0	0	5	1	0	0	0	0	1	0	0	3	0	0	0	2
Jasper	37	26	47	37	47	80	61	82	79	79	19	5	1	2	4	7	27	8	9	9	0	0	0	0	4	0	0	5	1	0
Jefferson	11	11	7	5	17	13	8	2	5	25	7	5	0	1	0	1	1	0	0	0	1	0	0	0	0	0	0	0	0	C
Johnson	173	156	138	119	110	108	91	111	69	117	3	9	0	6	18	20	14	16	29	5	1	2	5	0	1	1	5	5	. 9	5
Jones	10	3	5	4	10	10	6	13	4	7	0	0	0	1	0	0	3	1	0	0	0	0	0	0	0	0	0	0	0	0
Keokuk	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	C
Kossuth	9	9	24	16	30	28	21	23	18	11	0	1	0	0	1	5	2	5	1	5	0	0	0	0	0	0	0	0	0	0
Lee	61	74	76	116	103	81	91	98	113	96	2	3	9	0	3	4	6	8	0	7	3	0	1	3	5 1	6	0	2	2	C
Linn	531	531	555	636	583	659	601	587	692	724	12	7	9	8	5	39	59	45	58	96	5	12	13	6	14	8	12	6	19	15
Louisa	12	7	14	6	0	3	6	8	5	12	0	0	0	0	2	1	5	1	2	2	0	0	0	0	0	0	0	1	0	(
Lucas	23	26	17	10	21	31	18	18	15	15	1	0	1	5	8	7	3	4	6	4	0	0	0	C	0	0	0	0	0	(
Lyon	3	2	7	4	7	7	8	7	2	3	1	0	0	1	6	3	0	0	0	0	0	0	0	0	0	0	0	0	0	(
Madison	20	13	22	2	14	7	5	8	14	20	0	4	0	0	3	2	0	0	8	4	0	0	0	0	0	0	0	1	0	(
Mahask a	42	50	70	58	56	65	90	19	63	38	10	2	4	0	0	2	9	0	1	5	0	1	0	0	0	0	2	0	0	(
Marion	35	26	49	34	48	16	37	17	20	35	0	0	5	0	1	1	0	0	4	3	0	1	0	2	2 0	0	0	0	1	7
Marshall	122	153	89	125	73	96	65	77	134	134	13	6	7	2	4	7	3	4	8	12	3	0	0	C	0	2	0	2	1	ž
Mills	11	13	11	9	8	6	10	13	9	18	4	1	1	1	6	0	0	0	0	2	0	0	2	2	. 0	0	0	0	0	(
Mitchell	10	15	10	16	12	7	7	12	5	11	2	2	0	3	3	2	3	2	1	4	0	0	0	0	0	0	0	0	0	1

Table 2. Selected Juvenile Part I Arrests (Larceny, Motor Vehicle Theft, Other) in Iowa Counties, 1980-1989 (continued).

	Larceny													Moto	r Veh	icle	Theft						1	Other	Part	1 Ar	rests	, a		
County	1989 1	988	1987	1986	1985	1984	1983	1982	1981	1980	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1989	1988	1987	1986	1985	1984	1983	1982	1981	198
1onona	6	2	3	0	3	1	0	0	2	4	3	5	1	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	+
4onroe	0	6	0	4	7	3	2	3	9	9	3	0	0	0	0	0	0	1	4	4	0	0	0	0	0	0	0	0	0	(
Mont gomery	41	26	21	31	28	0	0	1	5	3	1	3	2	1	4	0	2	0	0	6	0	0	0	0	0	0	0	0	0	1
Auscatine	78	93	74	74	72	64	56	91	84	60	5	4	5	1	2	2	2	8	2	11	4	2	0	1	1	0	3	0	3	(
O'Brien	22	13	38	19	20	16	22	22	30	36	1	8	0	0	0	0	7	5	3	3	0	0	1	1	0	0	0	0	0	(
Osceola	3	0	0	12	8	17	1	2	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	(
Page	17	28	15	13	12	23	25	20	28	28	1	0	5	2	6	0	3	1	3	3	0	0	0	0	0	0	0	1	0	(
Palo Alto	18	14	9	7	13	13	15	9	6	1	0	0	0	0	0	1	1	2	3	1	0	1	0	3	1	0	0	0	0	(
Plymouth	21	23	23	25	27	27	15	25	22	34	6	4	2	0	5	2	0	2	3	4	0	0	1	0	3	0	0	1	0	0
Pocahontas	4	3	6	1	2	2	5	16	7	7	1	0	0	0	0	0	0	2	0	1	0	0	0	0	0	0	0	0	0	(
Polk	350	389	410	498	505	488	462	551	632	473	21	37	39	66	83	70	84	68	97	126	5	11	19	40	27	3 0	29	47	31	48
Pottawattami e	285	281	289	234	254	210	155	231	264	311	48	31	37	26	33	27	21	18	24	35	3	10	10	12	9	5	2	10	8	17
Poweshiek	1	0	9	39	12	22	16	13	39	27	0	0	1	0	2	5	1	3	3	1	0	0	0	0	0	0	0	0	0	(
Ringgold	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	(
Sac	5	2	1	2	9	10	11	8	0	8	0	1	0	0	0	0	2	3	0	0	0	0	0	0	0	0	0	0	0	0
Scott	492	415	425	495	429	463	514	437	553	545	57	25	23	42	18	20	32	18	44	48	26	15	35	23	23	24	11	25	29	57
Shelby	4	7	6	16	11	7	9	7	3	8	1	1	4	0	0	4	0	7	4	0	0	0	0	0	0	0	0	0	0	0
Sioux	8	10	11	13	12	10	9	8	13	14	4	0	4	2	3	1	2	5	4	7	0	0	0	0	0	0	0	0	1	C
Story	74	89	99	103	92	105	100	88	108	127	4	14	8	2	6	5	12	16	14	9	2	0	2	2	1	2	0	2	3	0
Tame	16	7	12	15	4	2	12	25	17	32	3	0	0	0	0	1	2	3	2	6	0	0	0	1	0	1	0	0	0	C
Taylor	0	1	1	3	0	0	0	0	0	0	5	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	C
Union	47	21	8	21	26	7	9	24	14	5	7	4	7	1	9	0	1	7	0	1	0	0	0	0	0	0	0	1	2	0
Van Buren	0	4	1	1	8	2	1	1	0	0	2	0	1	1	1	2	0	0	0	2	0	0	0	0	0	1	0	0	0	C
Wapello	76	63	96	87	87	125	64	100	128	86	0	0	3	1	8	5	4	9	13	8	1	0	1	3	0	1	2	0	6	2
Warren	55	30	28	19	18	26	19	38	27	22	11	4	6	2	7	0	1	5	6	4	1	1	0	1	0	0	0	0	0	4
Washington	11	8	13	4	1	3	14	10	5	1	3	0	0	1	3	6	7	3	2	4	0	0	0	0	0	0	0	1	0	1
Wayne	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(
Webster	114	113	144	129	179	189	175	137	167	99	4	2	8	12	3	5	13	13	17	11	0	1	2	0	2	0	8	0	2	2
Winnebago	15	23	29	11	11	9	11	10	15	27	4	2	0	2	0	2	0	6	7	2	0	0	0	0	0	0	0	2	0	(
Winneshiek	16	22	20	27	25	16	25	22	20	41	8	2	2	3	11	1	4	3	5	1	0	0	0	1	0	0	0	0	0	(
Woodbury	551	614	435	529	581	563	372		544	605	42	27	18	33	23	35	22	37	62	38	13	4	2	14	9	10	3	15	11	8
Worth	5	3	4	2	4	1	3	0	6	14	1	0	0	0	0	1	2	1	1	0	0	0	0	0	0	1	0	0	0	(
Wright	6	7	3	3	5	2	4	5	18	17	0	•	3	0	•	0	0	3	3	4	0	0	•	0	0	0	0	3	0	C

Table 3. Total Juvenile Part II Arrests and Selected Juvenile Part II Arrests (Other Assaults) in Iowa Counties, 1980-1989.

				Total Pa	rt II Ar	rests of	Juveni l	es						Oth	er A	ssaul	ts ^a			
County	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1989	1988	1987	1986	985	1984	1983	1982	1981	1980
Adair	11	17	0	7	0	3	4	3	8	22	0	0	0	0	0	0	0	0	0	0
Adams	0	7	3	1	0	4	0	2	1	3	0	0	0	0	0	0	0	0	0	3
Allamakee	43	55	71	40	42	66	104	81	66	<i>7</i> 5	5	0	5	3	4	3	2	1	1	1
Appanoose	96	134	154	110	107	140	145	93	242	226	5	5	2	5	5	4	6	8	3	3
Audubon	2	6	4	6	9	11	11	20	18	21	0	0	0	0	0	0	0	1	0	0
Benton	73	75	65	50	66	71	64	71	129	138	19	12	10	5	6	8	8	5	21	14
Black Hawk	469	347	299	361	296	234	293	451	685	<i>7</i> 25	169	122	74	75	86	38	54	75	71	84
Boone	103	90	112	86	112	81	118	110	149	172	4	3	8	3	1	3	2	0	3	3
Bremer	76	90	89	66	126	84	73	65	59	19	8	5	2	2	14	14	6	8	3	4
Buchanan	58	70	62	79	110	65	74	97	46	54	3	2	6	8	10	12	4	10	5	. 4
Buena Vista	135	62	60	84	60	64	62	29	58	71	5	2	5	11	1	0	1	3	2	0
Butler	23	5	1	7	4	15	5	2	12	10	0	0	0	1	2	0	0	1	0	1
Calhoun	3	4	2	12	11	5	2	9	11	5	1	0	0	0	0	0	0	1	0	0
Carroll	131	115	84	103	114	140	216	208	192	210	8	9	2	5	6	4	3	4	3	4
Cass	36	45	71	43	89	64	97	106	77	69	1	4	1	1	5	4	3	5	2	7
Cedar	19	32	50	77	13	34	15	8	13	12	0	3	1	1	0	1	0	0	0	0
Cerro Gordo	467	550	369	223	151	157	104	101	123	166	34	28	10	14	5	6	1	2	3	1
Cherokee	38	42	29	46	41	22	52	45	67	59	9	5	2	7	5	0	10	11	6	4
Chickasaw	55	50	78	63	75	59	47	65	40	64	7	0	3	1	2	3	2	0	1	0
Clarke	11	25	26	22	14	30	34	45	48	73	0	0	6	1	0	2	1	5	5	23
Clay	66	86	71	90	111	127	131	144	121	98	1	6	1	2	9	1	1	0	1	2
Clayton	10	27	13	18	9	9	10	14	27	8	1	1	0	0	0	0	0	0	0	0
Clinton	586	690	568	829	567	671	638	627	734	784	43	60	22	26	9	31	26	21	10	12
Crawford	70	80	74	81	73	64	34	42	51	93	4	12	9	1	1	1	1	1	4	0
Dallas	79	60	65	74	81	52	64	90	122	112	5	3	0	2	2	0	3	0	0	2
Davis	7	2	6	1	6	6	2	0	2	1	1	1	1	0	0	2	0	0	0	0
Decatur	51	50	18	4	7	12	17	7	35	36	3	0	0	0	0	0	0	0	0	0
Delaware	33	68	67	47	37	35	17	54	72	86	0	4	3	0	2	2	0	0	4	2
Des Moines	328	280	259	224	214	184	187	166	209	185	12	0	6	3	0	2	2	2	4	1
Dickinson	58	48	64	74	47	66	73	55	76	63	4	3	2	2	1	0		0	1	9
Dubuque	1024	941	1123	1012	822	851	761	750	874	941	53	39	65	54	64	57	57	41	50	55
Emmet	94	87	79	50	31	61	40	84	38	73	9	7	4	2	1	5	0	0	0	3
Fayette	82	100	136	107	85	112	96	84	97	171	0	2		5	8	4	2	6	1	8

⁸This includes assaults other than those counted as aggravated assault, which is a Part I crime.

Table 3. Total Juvenile Part II Arrests and Selected Juvenile Part II Arrests (Other Assaults) in Iowa Counties, 1980-1989 (continued).

				Total Pa	ort II Ar	rests of	Juvenil	es						Ot	her i	NA 報告N	lts	,		
County	1989	1988	1987	1986	1985	1984	1983	1982	1 / 1	1 (14)	1969	1988	19447	1986	1985	1984	1983	1982	1981	1980
Floyd	42	28	23	29	52	66	74	83	***************************************	nanananananananan 11%	inennamenemenemen in	rinamanahah Mananahahah	in Managaran Managaran	manumuma Ö	oomenmen O	onoreneren Ö	() anapanapanapa	o Q	imaninanana A	igi indirektirini.
Franklin	70	48	84	56	42	35	25	20	41	24	*	ø	*	10	4	Ü	Ö	0	1	1
Fremont	12	47	16	12	15	29	20	27	15	14	4	*	1	1	Ø	W.	1	*	*	ø
Greene	56	46	43	56	26	48	22	21	a	6	ø	1	ø	Ö	ø	ø	ø	2	ø	0
Grundy	61	36	72	30	44	56	35	40	45	56	4	1	2	1	0	0	1	1	1	2
Guthrie	0	0	4	4	5	2	6	15	11	2.2	Ü	0	1	ø	1	2	ø	0	0	1
Hamilton .	82	125	99	70	51	47	29	28	22	41	13	10	*		*	8	7	4	0	ô
Hancock	17	42	26	6	20	10	11	18	% 4	26	Ö	1	*	*	1	0	1	2	1	*
Mardin	129	140	187	185	97	142	109	156	207	167	*	2	1	5	10	4	8	3	6	2
Harrison	24	16	37	29	18	50	25	34	66	44	Ü	***	O	Ö	ø	ø	0	3	4	2
Henry	122	48	48	62	31	33	35	66	46	20	4	6	**	**	2	ø	ø	1	1	0
Howard	51	63	34	33	47	36	55	38	**	38	*	2	0	ø	2	1	o	0	4	1
Humboldt	21	15	24	39	34	7	24	21	20	20	0	ø	4	*	*	. 1	Ö	0	ø	0
1de	6	25	15	8	1	13	3	8	ø	10	0	1	2	0	ø	Q	0	0	0	Q
Lowe	0	0	14	7	6	14	24	23	28	57	0	ø	2	O	ø	1	Ø	1	3	0
Jackson	104	95	112	65	99	34	44	32	53	124	8	9	5	2	0	4	i,	2	Ö	4
Jasper	135	147	104	104	95	140	165	159	171	505	ø	18	4	ó	5	18	8	13	ó	4
Jefferson	67	17	9	30	15	48	26	37	38	65	5	0	0	Ö	0	o	ø	0	ø	3
Johnson	303	221	236	239	215	248	208	306	173	212	28	18	14	16	16	10	18	10	5	5
Jones	12	9	13	70	29	19	24	20	37	25	1	2	0	O	0	0	1	0	ø	0
Keokuk	0	0	0	0	0	0	2	4	1		0	0	0	0	Q	0	0	0	0	Ö
Kossuth	64	78	74	129	41	66	39	59	51	30	1	8	2	1	o	7	1	2	O	1
Lee	327	244	238	284	249	264	200	267	231	253	28	33	11	22	14	19	19	8	7	14
Linn	598	68 6	692	741	735	825	880	730	798	874	169	178	185	175	163	179	167	142	157	132
Louisa	30	67	67	54	33	52	102	73	53	38	0	5	5	0	0	6	2	7	5	4
Lucas	40	37	64	17	38	51	29	25	28	11	13	7	6	3	3	3	4	1	1	1
Lyon	43	29	42	40	22	51	49	35	27	28	1	2	1	1	o	o	0	Ö	Ó	Ö
Madison	45	29	49	38	36	27	13	14	17	19	7	2	6	3	3	7	5	Ö	Ö	ő
Mahaska	96	115	116	96	115	118	127	84	131	112	2	9	18	1	6	5	7	2	2	5
Marion	153	131	141	140	115	96	99	112	143	125	2	í	3	ż	1	1	Ó	Ô	ő	ó
Marshall	591	426	322	233	185	196	267	295	412	534	41	38	40	34	18	29	30	24	33	33
Mills	34	10	15	46	20	33	20	45	33	81	7	1	0	2	2	3	0	*** 1	0	0
Mitchell	24	32	15	62	78	8	18	52	70	71	,	2	1	3	6	ő	o	2	Ö	1

Table 3. Total Juvenile Part II Arrests and Selected Juvenile Part II Arrests (Other Assaults) in Ioua Counties, 1980-1989 (continued).

				Total Pa	ert II A	rrests of	f Juveni	les						Ot	her A	ssaul	ts			
County	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Monone	40	17	9	17	6	10	2	9	25	4	0	2	1	1	0	1	0	0	1	0
Monroe	16	17	0	11	8	1	11	8	21	15	1	1	0	1	0	0	0	1	1	0
Montgomery	90	54	61	92	65	91	59	92	48	43	13	7	1	14	3	3	4	4	7	0
Muscatine	339	240	213	174	149	171	164	190	181	178	19	18	16	10	12	14	5	6	11	15
O'Brien	72	59	79	43	35	38	42	33	41	97	4	4	1	0	0	0	1	0	1	0
Osceola	6	23	66	37	48	44	16	37	35	26	1	0	0	0	0	0	0	0	0	0
Page	190	126	127	117	73	103	136	117	112	115	17	13	7	5	5	9	17	17	11	6
Palo Alto	32	25	42	83	21	35	29	30	32	30	2	0	0	0	0	0	1	0	0	1
Plymouth	130	84	69	57	85	45	56	45	75	116	3	9	3	1	2	0	7	1	0	1
Pocahontas	41	19	22	32	0	2	12	17	22	7	4	1	0	0	0	0	0	2	3	0
Polk	1038	945	1159	1699	1466	1312	1036	1165	1179	1630	47	41	62	70	54	78	53	44	39	49
Pottawattamie	681	506	407	434	356	324	419	340	540	700	105	58	32	36	50	30	35	39	55	59
Poveshiek	21	10	29	75	37	54	37	54	70	65	0	0	0	4	1	2	4	2	1	2
Ringgold	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sac	15	12	20	15	17	9	10	27	23	22	1	0	0	0	1	0	0	1	0	0
Scott	808	770	717	768	790	685	643	591	714	1008	158	101	96	93	81	91	102	73	110	116
Shelby	67	66	31	28	47	66	30	68	61	56	2	0	4	0	1	0	1	4	0	C
Sioux	74	121	79	49	70	35	36	38	38	41	0	0	0	0	2	1	2	0	0	1
Story	366	327	366	311	243	214	217	275	340	326	22	12	10	7	6	5	10	8	7	7
Tame	130	98	67	66	90	38	60	53	52	83	16	4	1	1	3	1	1	4	1	1
Taylor	7	11	7	10	1	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0
Union	58	41	50	26	37	40	42	27	48	47	3	3	2	1	0	2	0	2	4	1
/an Buren	19	25	5	14	20	11	6	5	0	1	0	0	0	0	0	0	0	0	0	O
lapel lo	165	219	189	181	175	184	190	119	211	172	32	20	15	23	7	12	15	8	14	12
larren	258	207	167	222	186	155	167	197	168	89	20	3	4	5	10	8	2	1	2	2
lash ington	3	14	25	64	20	46	38	160	84	23	1	6	0	0	0	5	5	2	1	2
layne	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
lebster	194	215	211	211	219	185	219	339	409	182	69	70	76	52	50	55	48	41	37	36
li nnebago	55	40	47	36	19	39	33	30	49	89	2	4	0	4	0	3	1	0	1	(
Jinneshiek	105	141	133	150	84	102	140	123	147	173	4	7	8	1	1	3	11	4	4	1
Hoodbury	1138	926	715	1139	1112	1041	908	870	960	1022	163	128	44	69	89	68	80	65	77	66
Jorth	20	16	27	9	10	13	15	11	24	54	0	1	0	1	0	1	1	0	1	C
Wright	33	49	33	49	44	28	8	36	80	95	1	0	3	0	0	2	0	1	0	2
State of Iowa	13907	12815	12379	13330	11680	11584	11180	11781	13469	14806	1492	1216	975	944	893	911	885	773	836	857

Table 4. Selected Juvenile Part II Arrests (Vandalism, Driving Under the Influence, Liquor Laws) in lowa Counties, 1980-1989.

		Vandalism 											Driv	ring U	nder	the I	nflue	ence							Liquo	or La	⊮s			
County	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	0	5	0	0	0	0	0	0	0	0	0	1	0	0	0	3	0	0	0	0	9	10	0	5	0	0	0	0	0	0
Adams	0	2	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0
Allamakee	10	5	2	9	9	11	15	5	5	13	2	1	2	2	0	3	1	1	0	0	15	37	38	10	8	26	44	46	39	23
Appanoose	5	13	7	4	6	15	13	11	10	16	1	3	9	4	0	2	2	6	2	2	24	33	40	18	13	43	38	25	46	49
Audubon	1	5	2	3	0	4	1	4	3	9	0	0	1	1	1	0	0	0	0	1	0	0	0	1	5	2	2	9	0	3
Benton	19	11	3	11	17	10	14	7	13	15	8	1	5	4	4	7	8	6	8	3	0	0	5	6	8	2	12	11	15	17
Black Hawk	57	53	64	53	52	57	66	94	68	32	15	9	13	23	5	5	14	22	11	18	49	29	30	59	45	37	23	52	150	157
Boone	6	2	15	5	18	. 4	7	2	5	8	3	5	7	6	7	7	3	3	4	9	45	20	51	26	38	15	36	41	46	77
Bremer	2	1	11	2	26	19	21	13	7	0	1	2	2	6	5	7	3	1	3	3	24	34	17	31	13	6	6	10	5	0
Buchanan	14	12	9	5	23	6	10	2	0	0	1	2	3	4	8	3	3	5	3	2	27	17	16	6	25	6	13	36	7	3
Buena Vista	20	4	11	1	10	15	1	0	5	6	4	4	4	3	0	0	0	1	2	3	71	43	25	43	20	35	54	17	36	37
Butler	0	0	0	2	0	4	2	0	0	4	1	0	0	0	1	1	1	1	0	0	20	0	0	0	0	5	1	0	1	0
Calhoun	0	1	1	11	0	0	0	5	2	0	0	1	1	0	4	2	2	0	0	0	1	0	0	0	0	0	0	0	2	0
Carroll	14	16	7	20	24	- 11	17	9	20	21	1	4	5	9	0	6	5	3	2	0	67	58	41	38	52	90	135	146	120	122
Cass	0	0	7	8	28	11	22	28	4	12	3	4	5	1	6	0	1	3	1	1	10	21	49	15	10	17	33	34	32	31
Cedar	0	4	1	0	0	0	0	0	0	2	2	6	6	6	1	5	0	0	0	2	15	18	34	57	2	20	8	4	12	2
Cerro Gordo	54	28	15	36	34	. 8	1	6	14	17	6	11	10	9	10	6	5	9	5	10	117	101	58	19	10	42	12	17	24	48
Cherokee	2	15	5	10	8	5	5	9	18	15	2	2	3	1	1	1	3	1	1	1	13	8	14	14	17	15	31	10	17	20
Chickasaw	8	9	11	6	9	5	3	2	5	11	1	2	5	8	6	1	1	1	1	1	27	27	44	13	30	42	35	20	22	36
Clarke	1	3	0	0	C	3	10	7	14	9	1	0	2	1	0	3	0	2	1	1	0	2	8	7	4	16	15	19	7	6
Clay	12	10	5	3	1	9	1	0	3	7	0	3	3	1	3	2	3	3	2	0	15	29	35	19	52	69	28	77	42	48
Clayton	2	0	2	10	C	0	8	7	11	0	1	0	0	1	0	1	2	1	1	0	2	15	6	4	7	2	0	5	1	0
Clinton	40	63	54	45	38	30	45	37	50	33	5	6	3	6	7	4	4	5	2	4	107	133	127	159	116	94	116	82	143	96
Crawford	9	4	10	12	25	15	6	4	5	3	3	6	3	6	0	0	0	1	1	0	35	14	21	41	16	30	11	20	15	67
Dallas	6	7	. 0	2	15	9	10	7	8	7	4	2	5	7	1	1	3	6	9	1	39	15	20	33	42	16	19	25	49	51
Davis	5	0	2	0	C	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1	0	0	2	0	0	0	0
Decatur	1	1	2	2	C	7	10	0	3	1	1	0	0	1	1	0	1	2	0	1	4	0	7	0	0	1	1	1	25	15
Delaware	5	13	12	9	11	14	1	1	12	13	1	2	3	0	0	5	3	2	1	3	16	14	21	9	6	6	6	13	31	27
Des Hoines	38				42	30	27	22	24	19	2	3	0	3	3	7	3	4	7	2	74	59	32	75	49	30	28	40	61	51
Dickinson	0	0	0	2	6		0	0	4	4	0	1	1	0	1	0	5	4	2	6	25	56	42	27	10	24	9	23	41	23
Dubuque	51	40	61	65	55	33	38	40	66	80	8	16	17	20	16	20	18	13	29	26	173	200	237	263	150	147	147	159	121	112
Emmet	21	20	10	6	13	_	-	1	0	1	2	1	2	1	0	0	1	3	3	3	47	44	34	12	4	32	20	40	25	49
Fayette	6		13		0		0	0	0	Ò	0		3	2	4	6	3	2	2	0	27	36	31	33	23	37	64	43	44	24

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Table 4. Selected Juvenile Part II Arrests (Vandalism, Driving Under the Influence, Liquor Laws) in Iowa Counties, 1980-1989 (continued).

					Vand	al i sma							Driv	ring L	Inder	the I	nflue	nce							Liquo	or Law	5			
County	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Floyd	6	0	3	0	0	0	4	1	5	3	1	0	0	1	3	5	3	1	0	0	11	4	2	13	13	28	29	44	45	45
Franklin	21	7	8	12	2	6	0	2	9	2	4	1	2	5	2	1	2	1	0	3	11	18	27	8	15	8	7	5	7	1
fremont	1	6	5	0	0	13	0	0	0	1	2	0	0	2	2	0	2	1	2	3	1	4	1	1	0	0	11	0	6	0
Greene	2	5	4	2	0	0	3	0	0	1	1	1	1	3	2	2	4	1	0	0	47	36	27	41	19	31	7	9	3	2
Grundy	12	12	10	3	6	10	6	8	2	10	1	1	1	2	4	1	3	4	1	3	19	9	25	13	22	17	3	7	22	8
Guthrie	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	1	0	0	1	0	6
Hamilton	19	7	26	0	5	2	3	5	2	0	2	1	2	1	2	0	0	0	1	1	39	74	28	9	13	15	6	11	5	12
Hancock	9	27	6	1	5	5	2	3	15	3	0	0	0	0	1	2	1	1	1	0	5	3	9	4	6	3	4	4	8	10
lardin	3	6	12	8	2	2	8	7	13	8	3	4	3	0	1	3	6	3	2	4	56	56	67	29	29	39	29	45	104	63
Harrison	0	0	0	1	0	0	0	4	1	1	0	0	1	4	1	3	4	0	2	0	11	12	14	9	8	26	9	9	39	20
lenry	14	1	3	9	9	2	2	6	9	7	3	0	1	1	0	1	0	0	1	1	67	6	24	14	11	12	12	18	13	1
loward	9	0	4	6	0	5	22	5	10	4	0	2	1	2	2	4	4	3	0	1	35	43	11	10	27	12	20	17	13	9
fumbol dt	0	2	0	9	7	1	3	1	0	0	1	1	1	1	2	1	1	0	1	2	10	3	5	16	10	1	3	7	10	3
ida	6	4	4	1	1	6	0	3	3	5	0	0	1	1	0	0	0	0	0	0	0	1	0	0	0	0	1	2	0	0
OMB	0	0	0	0	0	0	0	0	0	2	0	0	3	0	2	7	3	4	4	7	0	0	0	0	0	2	0	4	2	9
lackson	7	9	3	14	6	4	7	6	1	2	2	3	4	2	1	G	0	0	1	0	39	43	57	18	67	20	11	10	35	64
lasper	13	22	20	13	17	20	45	25	9	16	1	2	1	2	3	3	1	0	2	1	26	40	38	10	9	21	34	35	37	45
lefferson	1	2	0	0	0	0	0	0	0	9	0	1	0	0	0	0	0	1	1	0	38	10	7	30	15	48	25	35	33	38
lohnson	14	17	28	15	32	35	28	34	26	31	14	7	4	5	7	10	15	14	8	8	126	70	96	70	37	66	60	86	64	56
lones	1	4	0	5	6	4	. 6	6	0	5	0	1	2	1	1	0	1	0	0	0	6	0	5	57	19	11	10	5	25	18
(eokuk	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Cossuth	1	0	0	5	1	3	3	8	5	6	6	3	5	3	2	6	1	2	1	0	46	37	34	74	18	34	18	22	41	15
.ee	40	45	32	45	35	30	20	19	22	25	7	4	5	6	3	1	4	1	0	0	62	41	57	49	68	62	53	60	38	58
.inn	104	96	120	124	116	165	210	151	164	170	27	31	21	35	40	34	25	18	30	35	65	49	70	84	78	46	21	6	8	13
ouisa	0	6	4	0	2	4	0	17	0	7	1	0	1	0	0	0	0	2	0	0	6	20	27	27	17	27	64	16		10
ucas	17	6	30	3	12	26	0	1	5	1	1	1	2	2	1	0	0	0	2	0	1	1	0	0	0	0	0	0	1	0
yon	8	5	3	3	6	1	12	5	1	3	2	2	2	2	0	2	0	2	1	2	22	15	33	29	11	41	35	13	19	8
adison	13	10	4	7	8	7	0	5	0	3	3	0	0	2	1	0	0	0	0	1	5	2	6	0	7	6	3	1	7	5
lahaska	20	12	28	12	13	39	34	6	7	14	0	0	3	4	4	2	ū	3	0	1	21	18	18	19	8	10	3	13	27	17
larion	16	5	2	6	7	6	9	13	7	32	5	8	4	11	7	9	8	3	1	1	88	81	79	69	43	42	41	69	91	61
arshall	41	48	50	45	49	23	40	33	59	73	10	2	3	6	3	2	3	7	4	6	105	61	51	27	24	15	15	34	59	74
ills	3	0	1	12	6	6	2	6	7	20	0	0	2	1	1	1	0	1	0	1	0	0	0	2	2	0	0	2	6	8
litchell	3	2	3	14	24	3	3	7	13	11	2	1	2	3	0	0	2	1	1	0	14	20	8	36	34	5	9	28	44	41

Table 4. Selected Juvenile Part II Arrests (Vandalism, Driving Under the Influence, Liquor Laws) in Iowa Counties, 1980-1989 (continued).

		Vandalism 											Driv	ing U	Inder	the I	nflue	nce							Lique	r Law	ıs			
County	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
4onona	0	4	0	0	0	0	0	0	4	0	0	1	0	1	1	0	1	0	0	0	31	5	2	Q	0	0	0	5	1	(
Monroe	0	0	0	3	0	0	4	1	6	0	3	1	0	0	2	0	0	0	1	0	4	9	0	3	1	1	0	1	1	1
Montgomery	10	12	13	15	9	2	2	0	2	0	1	2	5	1	2	1	1	0	0	2	12	5	6	32	13	29	19	36	20	7
Muscatine	30	11	17	9	15	13	13	9	14	7	6	3	5	5	7	8	5	2	2	1	84	84	58	33	39	53	18	31	15	40
O'Brien	4	15	9	4	4	12	7	3	4	10	2	2	2	2	1	1	1	0	0	1	48	13	22	19	22	9	12	18	21	56
Osceola	0	0	3	2	0	2	0	0	0	0	2	2	11	3	3	1	2	0	1	3	0	7	50	30	40	36	10	36	33	53
Page	7	9	6	2	4	5	15	10	4	7	2	3	0	1	0	0	0	1	1	0	32	29	33	53	25	35	16	30	13	21
Palo Alto	6	4	0	16	3	5	1	1	6	5	2	1	1	0	2	1	0	0	Q	0	11	13	21	34	10	14	15	24	8	13
Plymouth	30	5	4	8	11	4	7	3	5	11	1	0	4	1	1	0	0	0	1	0	60	54	38	31	41	29	25	31	37	37
Pocahontas	5	0	7	2	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	21	10	10	13	Q	1	10	7	9	1
Polk	140	118	150	171	164	195	145	184	152	145	23	17	27	31	20	19	10	28	23	42	218	195	199	400	379	292	246	293	319	457
Pottawattamie	91	71	38	58	50	39	38	33	46	75	6	8	7	7	8	8	16	16	18	24	63	60	25	82	13	3	16	35	36	71
Powesh i ek	0	0	0	6	4	2	3	5	4	0	3	1	9	1	2	1	2	0	1	0	11	3	10	27	12	22	12	10	32	32
Ringgold	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sac	1	0	0	8	4	1	1	0	1	0	2	0	5	1	0	ø	0	1	2	1	8	8	13	2	6	3	3	13	8	7
Scott	170	115	101	119	151	63	84	91	115	155	16	11	16	21	21	18	50	22	13	29	129	109	173	210	166	168	120	81	35	112
Shelby	10	0	4	2	0	4	2	5	3	5	3	3	2	1	1	1	1	0	0	0	5	10	7	1	12	17	5	30	25	28
Sioux	13	23	12	19	13	17	5	4	10	16	3	3	5	1	2	0	2	0	1	0	49	86	47	20	37	11	55	55	13	14
Story	32	11	19	22	18	26	18	7	25	29	5	4	7	10	3	5	3	4	2	3	96	122	179	85	45	33	15	44	55	104
Tama	8	12	6	17	7	0	5	7	1	4	9	0	2	5	1	2	1	2	3	1	83	62	34	29	66	25	39	29	35	28
Taylor	0	3	0	0	0	0	0	0	0	0	1	2	1	2	0	0	0	0	0	0	5	2	3	6	0	0	0	0	0	0
Union	10	0	0	3	10	8	7	5	11	4	2	2	5	1	1	0	0	0	2	0	27	28	27	8	5	8	19	6	5	17
Van Buren	1	2	0	0	8	2	0	2	0	0	0	2	0	1	1	1	0	0	0	0	10	5	0	1	1	0	3	0	0	0
Wapello	28	21	17	22	17	20	29	22	20	32	4	9	16	8	6	5	4	2	4	2	25	51	51	37	60	45	14	9	17	3
Warren	20	4	9	10	5	16	13	22	3	7	8	6	14	16	6	5	4	7	7	0	48	53	42	44	40	28	16	43	24	40
Wash ington	0	0	0	1	0	1	1	5	0	3	0	0	6	6	2	8	4	3	1	3	0	0	0	4	0	0	6	38	15	0
Wayne	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Webster	13	20	39	28	31	17	26	30	25	11	5	4	S	10	5	11	12	4	1	0	13	43	11	52	11	16	52	134	217	37
Winnebago	6	13	18	6	4	10	10	8	7	18	0	1	2	1	0	1	0	0	1	1	25	12	18	18	7	18	11	11	23	46
Winneshiek	10	13	7	22	20	32	23	4	7	8	3	2	7	7	8	5	3	1	0	1	64	94	63	60	37	29	67	93	101	104
Woodbury	180	149	92	123	138	157	180	128	148	182	15	23	17	17	14	15	9	14	12	25	246	131	141	125	78	66	77	96	80	103
Worth	0	0	0	0	0	0	0	0	0	13	2	0	0	0	0	1	0	1	0	2	9	8	18	2	9	10	5	8	17	30
Wright	0	0	9	1	17	0	0	7	1	8	1	0	1	2	*	0	1	2	3	4	21	28	12	6	5	1	3	18	48	33

State of Jone 1638 1412 1384 1458 1559 1432 1469 1303 1399 1588 308 301 374 411 315 326 294 296 270 329 3538 3161 3224 3278 2586 2559 2366 2875 3270 3375

Table 5. Selected Juvenile Part 11 Arrests (Drumkenness, Disorderly Conduct, Curfew/Loitering) in Iowa Counties, 1980-1989.

)runik	ennes	В							Diso	rderl	y Con	duct							Curt	ew/Lo	iteri	ng			
County	1989 1	988	1987	1986	1985	1984	1983	1982	1981	1980	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	0	0	0	0	0	0	0	0	3	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aciams	0	3	2	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Allamakee	0	3	5	1	2	2	1	0	5	2	1	2	2	0	0	0	0	0	0	0	0	5	12	7	12	13	29	20	8	22
Appanoose	4	2	4	7	3	5	6	4	8	6	3	7	5	4	2	2	5	7	15	8	23	29	47	46	51	46	62	9	118	75
Audubon	0	Đ	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	1	0	5	0	5
Benton	2	12	8	9	10	22	14	4	12	18	0	1	5	1	0	0	0	6	2	2	0	0	0	0	0	0	0	0	2	9
Black Hawk	20	14	16	33	23	17	25	32	54	51	45	19	23	19	13	7	19	15	52	26	0	0	0	0	0	0	3	2	0	0
Boone	6	8	2	16	3	6	17	5	16	13	6	6	3	0	11	1	8	4	3	5	8	10	5	6	4	6	8	8	6	7
Br emer	4	11	10	9	14	6	5	9	4	1	7	0	0	1	12	3	5	1	0	1	2	0	0	0	0	2	6	0	0	0
Buchanan	2	1	2	3	9	3	3	3	2	2	4	4	3	10	12	7	3	15	13	18	4	22	11	26	12	16	21	12	1	4
Buena Vista	5	1	7	6	14	4	2	0	3	6	2	1	1	1	0	2	0	0	0	2	3	0	0	0	0	0	0	0	0	0
Butler	0	1	0	0	1	0	0	0	1	3	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	C
Calhoun	0	0	0	0	3	1	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	C
Carroll	2	1	1	1	10	4	4	2	2	0	6	4	0	1	1	1	6	0	3	4	23	10	11	1	12	10	16	20	17	30
Cass	2	0	3	3	2	. 2	0	0	1	1	0	2	0	1	2	2	3	0	0	2	2	4	0	0	0	0	0	7	0	(
Ceder	1	1	4	1	0	4	0	0	0	0	0	0	0	1	0	0	4	2	0	1	0	0	0	0	0	0	0	0	0	(
Cerro Gordo	18	7	8	15	4	. 7	11	3	2	10	20	9	8	1	2	9	4	1	4	4	0	0	0	0	2	0	0	0	0	(
Cherokee	1	2	2	2	7	0	1	7	2	2	5	6	0	0	0	0	1	1	4	2	0	0	0	0	0	0	0	0	0	(
Chickasaw	2	4	5	17	8	4	2	4	3	4	1	2	0	0	6	2	0	0	1	1	1	0	0	0	0	0	0	0	0	(
Clarke	0	2	5	0	0	1	0	4	3	3	0	1	0	1	0	0	1	4	3	10	0	0	0	0	0	0	0	0	0	(
Clay	3	6	7	11	8	9	6	14	2	5	6	1	2	2	3	3	0	2	3	1	0	0	2	1	0	0	12	0	0	(
Clayton	1	5	1	1	0	1	0	0	1	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	2
Clinton	11	26	23	41	23	- 11	25	18	21	27	33	18	36	47	33	58	48	47	84	95	117	131	112	245	158	230	182	167	200	252
Crawford	3	7	5	8	6	8	1	1	2	0	2	4	6	5	12	3	1	5	5	4	0	0	0	0	0	0	0	0	0	(
Dallas	1	3	4	7	1	2	6	11	4	5	1	4	0	1	0	2	2	4	7	5	0	0	0	0	0	3	0	0	1	;
Davis	1	1	1	0	1	1	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(
Decatur	0	0	0	0	0	0	3	1	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	(
Delaware	2	2	2	5	6	3	4	0	3	3	1	1	1	4	1	2	1	3	1	1	0	0	2	0	0	0	0	10	5	;
es Moines	4	10	12	10	13	17	13	13	14	12	23	8	9	3	4	10	2	13	7	4	4	6	5	11	6	0	0	0	0	9
Dickinson	2	0	1	2	4	6	5	2	4	3	0	0	0	0	0	0	0	0	1	2	1	0	0	0	0	0	0	0	2	(
Dubuque	42	55	57	73	48	49	45	56	43	53	14	4	5	4	3	6	0	5	8	8	0	0	0	0	٥	0	0	0	0	
Emmet	3	2	3	4	3	0	1	25	1	3	0	2	5	7	0	3	0	1	2	0	0	0	0	0	0	0	0	1	0	(
fayette	4	2	5	6	3	3	3	1	11	1	6	16	8	3	3	27	21	26	21	40	0	0	0	0	0	0	0	0	0	84

Table 5. Selected Juvenile Part II Arrests (Drunkenness, Disorderly Conduct, Curfew/Loitering) in Iowa Counties, 1980-1989 (continued).

				D	runk	emes	s							Disc	rderi	y Coni	duct							Curt	few/Lo	oiteri	ng			
County	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Floyd	5	1	0	6	8	13	12	7	5	3	0	2	3	0	5	2	4	8	14	8	0	1	0	0	0	4	8	0	0	4
Franklin	5	5	11	13	5	3	4	2	7	1	5	5	1	1	4	0	3	0	0	1	0	0	0	0	0	0	0	1	0	0
Fremont	1	5	2	2	3	. 2	. 0	2	4	1	0	0	0	2	0	0	0	0	0	0	0	2	0	0	0	0	0	10	0	0
Greene	0	0	6	7	1	1	4	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	0	3	0	0
Grundy	4	4	6	5	5	, 1	5	17	5	14	0	0	0	1	0	2	1	0	0	0	0	2	0	0	0	0	0	0	1	0
Guthrie	0	0	0	0	1		0	2	5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hamilton	1	1	3	4	3	. 4	. 3	4	3	7	5	3	0	0	0	2	0	1	1	1	0	0	0	0	0	0	0	0	0	0
Hancock	0	0	0	0	2	2 (1	1	2	0	0	0	2	0	0	0	0	0	3	0	0	5	3	0	0	0	0	0	0	C
Hardin	1	1	1	0	() (5	1	4	8	2	1	1	0	1	3	4	2	0	0	0	8	25	62	12	6	0	9	5	17
Harrison	0	1	0	1	() (0	2	0	4	0	0	0	0	2	0	0	0	0	0	12	3	10	2	1	10	3	5	9	9
Henry	1	2	1	3	() () 1	5	2	0	6	9	11	4	0	2	0	6	4	0	5	4	2	2	1	1	7	11	0	6
Howard	1	4	3	2	•	5 13	3	2	0	3	1	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	4	0
Humbol dt	0	0	0	1	;	2 () 2	3	1	5	0	Đ	0	1	0	1	4	0	0	0	0	0	0	0	1	0	0	0	1	0
Ida	0	0	0	0	() () 2	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	0	0	0	0	0	0	0	0
lowa	0	0	3	6	() :	5 9	2	6	7	0	0	0	0	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0
Jackson	7	8	2	1		2 3	2 0	1	2	1	2	2	5	1	3	0	3	3	1	3	31	11	12	21	18	2	9	5	5	29
Jasper	1	3	1	2		1 (3 6	. 8	7	18	5	3	2	9	2	3	10	2	34	32	23	9	11	26	2	13	6	12	19	33
Jefferson	4	3	0	0	() () (0	1	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Johnson	27	25	14	14	17	2 20	10	26	9	50	12	10	13	10	16	18	24	14	13	3	0	5	0	11	3	4	3	1	4	12
Jones	1	0	1	2		1 4	. (1	3	0	2	0	1	0	0	0	1	0	3	0	0	0	0	0	0	0	0	0	0	0
Keokuk	0	0	0	0	() () () 2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kossuth	3	1	7	5	;	5	1 1	4	2	0	1	1	0	2	0	1	3	0	0	0	4	5	7	4	4	0	4	11	0	0
Lee	6	7	11	11	,	4 17	2 4	18	13	16	10	8	14	- 11	14	29	11	7	6	10	38	3	36	44	20	36	18	26	25	7
Linn	21	35	25	41	6	9 59	> 57	55	75	61	42	44	31	41	41	21	1	4	3	2	0	0	0	1	4	0	0	0	0	0
Louisa	0	0	0	0		1	1 () 2	. 1	0	2	3	1	0	0	2	4	0	1	1	0	0	0	0	0	0	8	0	0	4
Lucas	0	1	6	0		1 :	5 () 3	2	1	5	11	1	1	9	3	6	0	3	2	0	1	0	0	4	0	2	0	0	4
Lyon	1	0	1	2	1	0 1	0 () 2	0	1	3	0	0	0	3	0	0	1	0	2	0	0	0	0	0	0	0	0	0	0
Madison	3	0	1	2	,	4 1)	1 0	3	2	2	0	0	0	0	2	0	0	0	0	3	12	19	10	0	0	0	0	0	0
Mahaska	1	0	3	3		3 1	0 6	5 2	! 4	4	0	7	4	10	12	13	26	15	30	13	9	27	10	17	18	15	15	20	35	24
Marion	3	10	6	8		4 (5 19	9 5	ç	6	9	8	11	17	10	14	8	5	1	1	1	3	8	1	3	3	1	2	1	3
Marshall	14	9	3	9		4	7 17	2 17	16	30	17	19	9	8	12	9	14	10	7	27	177	72	35	33	16	25	50	44	102	94
Mills	2	2	. 0	1		2	1 2	? 7		4	Ø	1	2	3	1	0	0	0	0	2	8	4	4	10	2	12	3	4	8	24
Mitchell	0	0) 1	3		3	0 2	2 3		1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1

Table 5. Selected Juvenile Part II Arrests (Drunkenness, Disorderly Conduct, Curfew/Loitering) in Iowa Counties, 1980-1989 (continued).

				D	runke	enness	ŀ							Diso	rderl	y Con	duct							Curf	ew/Lo	iterir	1 9			
County	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1989	1988	1987	1986	1985	1984	1983	1982	1981	198
lonona	0	0	4	8	3	0	0	1	6	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	
lonroe	2	0	0	2	0	0	2	2	1	0	0	2	0	0	0	0	2	0	0	0	2	0	0	0	0	0	1	0	1	
lontgomery	0	1	0	0	1	1	0	1	2	1	1	4	3	0	0	3	10	6	0	2	10	0	1	4	2	5	2	3	0	
luscat ine	7	2	5	13	4	4	5	9	4	3	40	12	13	9	6	12	20	21	12	12	89	47	38	32	12	26	34	31	19	3
'Brien	1	3	7	2	2	0	2	0	1	5	0	7	0	1	0	0	0	1	0	0	0	0	9	2	0	1	0	0	0	
sceola	0	2	2	2	1	4	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
age	20	18	19	4	1	7	4	2	13	20	13	1	5	3	1	3	9	6	2	4	2	0	2	0	0	0	0	0	0	
alo Alto	1	1	2	3	1	2	4	0	2	1	3	0	0	2	1	0	0	0	2	0	0	0	15	15	2	0	1	0	6	
lymouth	3	1	9	4	1	0	3	0	0	4	2	0	5	3	6	2	5	3	3	6	10	0	0	2	0	0	4	0	4	
ocahontas	1	0	0	0	0	0	1	0	0	0	2	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	Į
olk	61	51	55	173	141	114	109	159	125	207	30	24	51	82	91	98	35	72	101	114	0	0	2	6	3	2	38	0	7	1'
ottawattamie	2	4	8	17	5	12	25	22	33	55	6	9	17	20	13	6	11	14	21	44	36	27	36	32	15	20	5	19	40	3
owesh i ek	1	4	1	1	1	2	1	0	2	3	0	0	0	11	0	0	0	0	2	0	0	0	4	9	1	8	4	20	8	1
inggold	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ac	3	2	1	1	0	2	1	1	2	0	0	0	0	2	2	0	0	1	0	0	0	1	4	0	0	0	5	9	7	
cott	17	12	49	29	20	12	20	15	12	34	32	27	30	35	37	45	30	55	55	81	3	0	0	0	0	4	3	2	13	2
helby	1	2	0	0	2	0	1	6	0	0	0	0	0	0	0	0	0	5	3	4	0	0	0	0	0	0	0	0	0	
ioux	1	0	1	0	0	0	1	1	0	0	4	1	2	0	4	2	0	0	0	5	0	0	3	0	0	0	4	2	0	
tory	14	15	19	19	15	15	6	17	27	28	3	5	0	0	2	6	2	12	7	1	1	0	0	0	0	0	0	0	0	
ama	5	5	19	2	3	4	7	2	4	7	1	1	0	1	0	2	0	0	0	4	0	0	0	0	0	1	1	0	5	1
aylor	0	3	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Inion	4	0	3	1	0	0	0	2	2	0	3	1	0	0	3	1	1	0	0	0	0	0	0	0	9	15	5	9	0	
an Buren	0	3	0	4	0	4	1	0	0	0	2	2	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	
apello	12	15	12	11	11	17	25	6	10	18	7	8	10	9	2	11	8	3	16	9	8	9	6	8	10	10	5	4	17	1
arren	8	12	6	29	21	19	57	37	42	16	10	2	1	1	0	1	3	0	0	0	0	3	0	0	0	0	0	0	0	
ashington	1	5	5	14	5	0	2	4	1	0	0	0	0	0	0	4	0	8	2	0	0	0	0	0	0	0	7	49	21	
ayne	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ebster	8	5	5	6	5	12	6	18	22	16	27	23	19	18	36	18	14	30	37	24	0	0	0	0	0	0	4	0	3	
i nnebago	0	0	1	3	0	1	0	0	1	0	0	1	0	0	0	0	1	0	8	0	0	0	0	0	0	0	0	0	0	
innesh i ek	4	2	9	9	2	2	6	1	1	6	0	0	1	3	5	6	6	3	3	2	0	4	5	28	1	0	0	1	0	
oodbury	52	66	31	58	63	38	32	30	34	56	89	43	44	39	97	66	35	34	21	47	192	175	180	311	226	228	170	216	205	1
orth	2	1	0	0	0	0	1	0	1	1	2	3	4	4	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	
right	4	0	4	5	6	0	1	0	3	9	0	4	0	0	0	0	0	0	2	5	0	0	0	4	0	0	0	0	0	
State of lowa	494	555	602	866	692	637	699	762	776	957	598	440	439	483	563	566	454	516	674	721	852	678	694	1041	647	789	769	792	940	107

Table 6. Selected Juvenile Part II Arrests (Runaways, Other) in Iowa Counties, 1980-1989.

					Rur	naway:	3							Oth	er Pa	rt II	Arre	sts		
County	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Adair	1	0	0	1	0	0	3	0	4	16	1	1	0	1	0	0	1	3	1	2
Adams	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	4	0	0	1	0
Allamakee	6	2	0	0	0	0	1	2	2	2	4	0	5	8	7	8	11	6	6	12
Appanoose	21	20	27	11	17	14	6	5	16	20	10	22	13	11	10	9	7	18	24	47
Audubon	0	1	0	0	0	0	0	0	7	1	1	0	1	1	3	3	8	1	3	2
Benton	0	1	0	0	0	0	0	2	3	12	25	37	29	14	21	22	8	30	53	48
Black Hawk	0	0	0	0	0	2	4	12	102	93	114	101	79	99	72	71	85	147	177	264
Boorie	10	9	2	10	3	10	13	13	17	5	15	27	19	14	27	29	24	34	49	45
Bremer	5	17	23	3	22	13	13	11	23	5	23	20	24	12	20	14	8	12	14	5
Buchanan	0	0	0	0	0	0	0	0	0	0	3	10	12	17	11		17	14	15	21
Buena Vista	0	0	0	0	0	1	0	1	3	0	25	7	7	19	15	7	4	7	7	17
Butler	0	0	0	٥	0	3	1	0	0	1	2	4	1	4	0	2	0	0	4	1
Calhoun	0	0	0	0	0	2	0	0	0	1	1	2	0	1	4	0	0	3	5	3
Carroll	0	0	0	0	0	1	1	1	2	7	10	13	17	28	9	13	29	23	23	22
Cass	0	4	. 2	2	16	6	10	6	8	0	18	6	4	12	20	22	25	23	29	15
Cedar	0	0	0	0	0	0	0	0	0	0	1	0	4	11	10	4	3	2	1	5
Cerro Gordo	130	228	157	10	10	13	6	6	5	6	88	138	103	119	74	66	64	57	66	70
Cherokee	0	0	0	0	0	0	0	0	0	1	6	4	3	12	3	1	1	6		14
Chickasaw	0	0	0	3	0	0	0	0	2	5	8	6	10	15	14	2		38		6
Clarke	3	14	. 2	. 5	9	4	4	0	0	4	6	3	3	7	1	1	3	4	15	17
Clay	3	14	. 5	11	10	2	7	9	5	5	26	17	11	40	25	32	73	39	63	30
Clayton	0	0	0	0	0	0	0	0	4	0	3	5	4	2	2	5	0	1	9	4
Clinton	136	162	121	145	111	107	90	125	136	144	94	91	70	115	72	106	102	125	88	121
Crawford	6	. 7	, 0	0	3	5	1	1	7	14	8	26	20	8	10	2	13	9	12	5
Dallas	17	. 8	. 11	5	4	1	3	8	13	6	6	18	25	17	16	18	18	29	31	33
Davis	0	0) 1	0	0	0	0	0	2	1	0	0	0	0	2	1	2	0	0	(
Decatur	34	35	. 8	3 0	5	2	2	0	0	5	8	14	1	1	1	2	0	1	3	11
Delaware	7	19	8	8	6	. 0	2	4	7	12	1	13	15	12	5	3	0	21	8	22
Des Moines	35	40	34	28	38	32	24	15	19	11	136	91	112	56	59	56	88	57	73	80
Dickinson	2	2	2 4	, 2	3	2	. 1	3	2	0	24	16	14	39	22	34	53	23	19	16
Dubuque	550	459	564	407	357	370	285	253	311	331	133	128	117	126	129	169	171	183	246	276
Emmet	C	1	0) 2	2	2	. 1	1	4	. 0	12	10	21	16	. 8	6	13	12	3	14
Fayette	1	12	15	16	10	9	1	1	12	6	38	27	53	35	34	23	2	5	6	. (

^aThis includes arson, forgery, fraud, embezzlement, stolen property, illegal weapons, commercial vice, sex offenses, controlled substances, gambling, family offenses, vagrancy, and other offenses.

Table 6. Selected Juvenile Part II Arrests (Runaways, Other) in Iowa Counties, 1980-1989 (continued).

					Ru	naway:								Oth	er Pa	rt 11	Arre	sts		
County	1989	1968	1987	1986	1985	1984	1983	1982	1981	1980	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Floyd	0	0	0	0	0	0	3	0	1	2	13	16	12	9	23	14	11	22	28	39
Franklin	4	3	9	0	0	0	2	0	0	3	11	9	23	7	10	17	7	9	17	12
Fremont	0	8	5	1	3	4	5	6	1	5	3	19	5	3	7	8	1	7	0	4
Greene	0	0	Q	0	3	0	0	0	0	0	6	3	5	3	1	3	4	6	4	2
Grundy	18	5	1	2	0	6	2	0	0	2	3	2	27	3	7	19	14	3	13	17
Guthrie	0	0	1	0	1	0	4	3	4	1	0	0	2	3	1	0	1	9	2	11
Hamilton	0	0	25	41	10	8	8	2	5	8	3	29	12	7	11	8	2	1	6	12
Hancock	0	4	0	0	0	0	0	4	8	0	3	2	1	0	5	0	2	3	16	10
Hardin	44	37	64	57	28	76	33	71	49	32	17	25	13	24	14	9	16	15	24	13
Harrison	1	0	1	3	4	6	3	2	0	1	0	0	11	9	2	5	6	9	11	7
Henry	9	11	0	2	1	1	0	0	1	0	13	9	3	22	7	14	13	19	15	13
Howard	1	4	5	4	2	0	1	0	0	5	1	8	10	7	9	1	5	11	4	15
Humbol dt	0	0	1	0	3	0	0	0	0	4	10	9	13	8	7	2	11	10	7	6
Ida	0	0	0	0	0	1	0	0	0	0	0	2	8	6	0	6	0	3	6	5
I owa	0	0	0	1	4	0	1	2	0	0	0	0	6	0	0	1	10	9	13	31
Jackson	0	0	7	0	0	1	2	1	6	0	8	10	17	6	2	1	8	4	5	21
Jasper	29	16	9	14	9	6	14	6	7	16	29	34	18	22	47	48	41	58	50	37
Jefferson	0	0	2	0	0	0	0	0	0	0	16	1	0	0	0	0	1	1	3	14
Johnson	6	4	21	18	40	27	10	33	8	16	76	65	46	80	52	58	40	88	36	61
Jones	1	0	0	0	0	0	0	0	2	0	0	2	4	5	2	0	5	8	4	2
Keokuk	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	1	1	1	0
Kossuth	0	0	1	3	1	0	1	0	0	0	2	23	18	32	12	14	7	10	5	8
Lee	34	25	36	20	27	22	28	18	19	14	102	78	36	76	64	53	43	110	101	109
Linn	4	0	3	4	6	2	2	4	0	7	166	253	237	236	218	319	397	350	361	454
Louisa	16	23	17	18	9	6	13	13	16	8	5	10	12	9	4	6	11	16	14	4
Lucas	3	0	7	5	1	4	1	1	2	0	0	9	12	3	7	10	16	19	12	2
Lyon	2	0	0	0	1	1	0	1	0	5	4	5	2	3	1	6	2	11	6	7
Madison	2	2	6	2	4	0	1	2	2	0	7	1	7	12	9	5	3	6	5	8
Mahaska	27	33	21	17	32	14	9	1	6	8	16	9	11	13	19	20	27	22	20	26
Marion	16	14	13	20	24	8	5	4	11	7	13	1	15	6	16	7	8	11	22	14
Marshall	82	88	46	30	23	33	43	44	46	74	104	89	85	41	36	53	60	82	86	123
Hills	9	0	4	10	2	7	9	9	5	12	5	2	2	5	2	3	4	15	7	10
Mitchell	0	0	0	1	2	0	0	0	1	1	3	7	0	2	9	0	2	11	10	15

Table 6. Selected Juvenile Part II Arrests (Runaways, Other) in lowa Counties, 1980-1989 (continued).

					Rur	манауз	i .							Othe	er Pa	rt 11	Arres	sts ^a		
County	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980
Honona	0	0	0	0	0	O	0	3	1	0	9	4	2	7	2	9	1	0	4	3
Honroe	0	0	0	0	1	0	0	2	2	3	4	4	0	2	4	0	2	1	8	9
Montgomery	12	14	18	14	16	25	6	8	8	10	31	9	14	12	19	22	15	34	9	24
Muscatine	11	17	14	15	34	20	36	41	49	30	53	46	47	48	20	21	28	40	55	33
O'Brien	0	0	0	0	0	0	0	0	0	3	13	15	29	13	6	15	19	11	14	16
Osceola	1	0	0	0	0	0	0	0	0	0	2	12	0	0	4	1	5	1	0	0
Page	3	15	7	4	10	7	33	19	32	16	94	38	48	45	27	37	42	32	36	38
Palo Alto	4	0	0	3	0	5	0	0	2	2	3	6	3	10	2	8	7	5	6	4
Plymouth	20	14	4	3	11	2	4	2	19	23	1	1	5	4	12	8	1	5	6	34
Pocahontas	0	0	0	0	0	0	0	0	0	0	8	8	5	16	0	1	1	8	8	6
Polk	323	303	406	433	283	165	127	103	123	162	196	196	207	333	331	349	273	282	290	435
Pottawattamie	223	210	181	111	150	149	160	93	140	179	149	59	63	71	52	57	113	69	151	163
Poweshiek	0	0	3	9	ó	8	7	0	4	0	6	2	2	7	10	9	4	17	16	10
Ringgold	0	0	0	0	1	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0
Sac	0	0	0	0	0	0	0	0	0	0	0	1	0	1	4	3	0	1	3	12
Scott	47	31	41	68	96	88	68	55	55	78	236	364	211	193	218	196	196	197	306	376
Shelby	34	46	7	19	23	37	14	5	20	14	12	5	7	5	8	7	6	13	10	5
Sioux	1	0	0	2	0	0	0	1	2	1	3	8	9	7	12	4	0	8	12	4
Story	148	117	104	109	61	25	25	21	36	33	45	41	28	59	93	99	138	162	181	121
Tomo	0	0	0	9	5	0	0	1	1	1	8	14	5	2	5	3	6	8	2	25
Taylor	0	0	0	0	1	0	0	0	0	0	1	0	1	1	0	0	0	0	1	0
Union	0	3	0	3	4	3	3	4	7	8	9	4	16	9	5	3	7	2	17	16
Van Buren	0	2	3	2	2	1	0	2	0	1	6	9	2	6	8	0	2	1	0	O
Wapello	33	46	36	21	14	25	26	20	45	36	16	40	26	42	48	39	64	45	68	50
Warren	83	78	52	72	83	38	32	49	69	1	61	46	39	45	21	40	40	38	21	23
Washington	٥	3	9	31	5	7	7	42	26	10	1	0	5	8	8	21	6	9	17	4
Wayne	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	C
Webster	0	0	0	0	2	0	6	. 8	15	9	59	50	59	45	79	56	51	74	52	49
Winnebago	12	7	3	0	2	2	3	3	3	6	10	2	5	4	6	4	7	8	5	18
Winneshiek	é	. 6	. 8	2	0	5	2	4	4	4	14	13	25	18	10	20	22	12	27	37
Woodbury	3	7	7	149	159	169	109	115	138	146	198	204	159	248	248	234	216	172	245	282
Worth	O	2	0	0	0	0	0	0	0	0	5	1	5	2	1	1	8	1	5	8
Wright	3	3	. 0	3	0	0	0	1	7	24	3	5	4	28	15	25	3	7	16	10

State of Iowa 2242 2256 2189 2024 1835 1615 1348 1309 1724 1746 2745 2796 2498 2825 2590 2749 2896 3155 3580 4163

Part II Crimes

Crimes not included in the Part I category are labeled Part II crimes. Arrests of juveniles for Part II crimes totaled 13,907 in 1989, a decrease of 899 (-6.1%) from the 1980 total of 14,806 (Table 3). These arrests declined considerably from 1980 to 1982, remained relatively stable through 1985, but returned to higher levels for the 1986-1989 period.

In 1989, eight counties (Clinton, Dubuque, Linn, Marshall, Polk, Pottawattamie, Scott, Woodbury) had at least 500 arrests for Part II crimes. The 6,464 arrests for Part II crimes in these counties accounted for nearly half (46.5%) of these arrests in the state. Six counties (Adams, Guthrie, Iowa, Keokuk, Ringgold, Wayne) reported no arrests of juveniles for Part II crimes in 1989, and seven others had fewer than 10 arrests. In 51 counties, Part II arrests were lower in 1989 than in 1980. Six (Appanoose, Black Hawk, Clinton, Linn, Polk, Scott) had decreases of at least 100, with Polk having the greatest decline (-592). Two counties (Ringgold, Wayne) had the same totals in 1980 and 1989. Increases occurred in 46 counties; five (Cerro Gordo, Des Moines, Muscatine, Warren, Woodbury) had at least 100 more arrests of juveniles for Part II crimes in 1989 than in 1980.

Individual Part II crimes for which at least 300 juvenile arrests were reported are included in Tables 3, 4, 5, and 6. Violations related to alcohol (driving under the influence, 308; violations of liquor laws, 3,538; drunkenness, 494) accounted for 31.2% of the total arrests for Part II crimes.

Fewer juvenile arrests were noted in 1989 than in 1980 for driving under the influence, drunkenness, disorderly conduct, curfew/loitering, and the residual category of other Part II arrests. But increases occurred in arrests for other assaults (those not classified as aggravated assaults, a Part I crime), vandalism, violations of liquor laws, and runaways. As with Part I crimes, arrests increased at a rate higher for other assaults (+74.1%) than for any other Part II crime. Percentage decline between 1980 and 1989 was greatest on drunkenness (-48.4).

Recent Trends

Trends between 1988 and 1989 indicate an increase in total Part I arrests of juveniles; this increase has been occurring since 1987 for juveniles arrested for Part II crimes. Arrests for aggravated assault and other assaults have increased each year since 1985. After declining substantially from 1980 to 1987, arrests for motor vehicle theft soared to 1989. Vandalism, disorderly conduct, and curfew and loitering arrests also increased relatively rapidly between 1988 and 1989. These trends indicate that factors in addition to population change are at work in the numbers of arrests of juveniles for crimes committed in lowa.

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. These data depend on arrests reported by law enforcement officials. The record of these officials in submitting information to the state is excellent. But the decisions on placing violations in certain crime categories vary somewhat from one county to the next and even from one year to the next in a particular county. Thus, caution is urged in examining these data.

Voting for Selected Candidates in U.S. and Iowa Elections: 1980-1990

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 in the <u>lowa Official Register</u>, a publication that the state releases every two years. In the tables that follow, only candidates receiving at least 2% 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.

President

The U.S. presidential race in 1988 attracted fewer voters for the major candidates than did those in 1980 and 1984 (Table 1). The total of 1.2 million voters in the most recent election for President was about 90,000 less than the numbers in the other two years. In 1988, 55.1% of the votes cast for the two candidates of the major political parties went to the Democrat while 44.9% were given to the Republican. The results favored the Republican candidate in 1980 (52.0%) and 1984 (53.7%). The election in 1980 was the only one in which a candidate other than a Democrat or Republican received at least 1% of the total; labeled as independent in the table, this party received 8.9% of the votes in lows.

Contrary to the state totals, 24 counties reported more votes for the Republican than the Democrat for President in 1988. Of these counties, eight (Grundy, Lyon, Mills, Montgomery, O'Brien, Osceola, Page, Sioux) cast at least 60% of their votes for the Republican candidate that year; more than three of every four voters in Sioux selected the Republican. Among the 75 counties that favored the Democrat, 12 cast at least 60% of their votes for this party's candidate in 1988. The eight with percentages topping 62% were Boone, Dubuque, Johnson, Lee, Monroe, Palo Alto, Wapello, and Worth.

Senator

Four races for U.S. senate seats occurred in lowa from 1980 to 1990 (Table 2). The ability of a presidential election to draw voters to the polls is evident when the total votes for senator in 1980 and 1984 are compared with those for 1986 and 1990. The former years included presidential races, and more than 1.2 million votes for the senate candidates were counted; the later years, which did not have candidates for President vying for office, each had less than 1 million votes for the two major senate candidates. Indeed, the 1984 senate election had nearly 400,000 more votes for senator than did the 1986 contest. The 1986 senate results were the most uneven as well, with the Republican claiming nearly two-thirds (66.3%) of the votes; the Republican candidate also won in 1980 with 54.1% of the total. The Democrat received the most votes in 1984 (56.0%) and in 1990 (53.9%).

In the 1986 contest for the U.S. senate seat, the Republican winner carried all but one county (Wapello, 49.8%) and received at least 75% of the votes for the two major candidates in 11 counties. In 1990, the winner according to the state totals also had the greatest number of votes in 62 counties; this Democratic candidate received 60% or more of the votes in 19 counties.

		1988		1984		1980	
County	Democrat	Republican	Democrat	Republican	Democrat	Independent	Republican
Adair	2261	1833	1979	2615	1454	356	2821
Adams	1283	1080	1221	1706	940	214	1779
Allamakee	2768	3186	2282	3997	2170	343	4000
Appanoose	3209	2779	3289	3412	2769	353	3544
Audubon	1863	1478	1854	2306	1546	251	2523
Benton	5873	4011	4993	5566	4223	948	5329
Black Hawk	31657	24112	31467	32262	27443	5847	29627
Boone	7232	4381	6485	5746	5126	1081	5732
Bremer	4961	5079	4084	6895	3527	970	6706
Buchanan	4778	3495	4129	4965	3605	689	5041
Buena Vista	4580	4170	4109	5193	3468	<i>7</i> 71	5272
Butler	2593	3523	2323	4570	1990	392	4730
Calhoun	2990	2474	2541	3311	2150	407	3633
Carroll	5437	3701	4960	5021	3885	736	5017
Cass	2934	3962	2417	5053	2176	475	5391
Cedar	4032	33 <i>7</i> 3	3086	4617	2589	697	4398
Cerro Gordo	12857	9358	11570	11214	9363	2024	11189
Cherokee	3574	3218	3349	4046	2719	599	4087
Chickasaw	3530	2549	3186	3661	2935	500	3929
Clarke	2262	1631	2030	2262	1614	310	2417
Clay	4173	3641	3774	4450	3179	991	4479
Clayton	4320	3839	3446	5029	3297	669	5115
Clinton	12549	10243	11240	13914	9698	2140	13025
Crawford	3868	3375	3396	4552	2500	509	4883
Dallas	7501	4858	6564	6080	5310	1200	6296
Davis	2246	1563	2187	1956	1689	200	2003
Decatur	2192	1406	2098	2104	2048	318	2212
Delaware	3947	3425	3158	4769	2671	727	4316
Des Moines	11593	7652	11173	9559	9977	1041	9158
Dickinson	3342	3678	3025	4064	2620	687	4028
Dubuque	23797	14530	21876	19239	18689	3708	18649
Emmet	2778	2173	2746	2946	2153	446	3062
Fayette	5304	4921	4677	6505	4377		
Floyd	4377	3266	4154	4341	3634	647	6374
Franklin	2594	2320	2349	3129	1920	728 406	4665
Fremont	1547	1946	1426	2686	1203		3290
Greene	3011	2091	2831	2579		191	2693
Grundy	2211	3433	1915		2210	510	3154
Guthrie	2910	2005	2517	4527	1869	440	4644
Hamilton	4156	3277		2783	1866	384	3214
Hancock	2831		3330	4279	2741	679	4745
Hardin	5088	2731	2539	3362	1918	462	3681
Harrison		3856 7108	4477	5195	3757	73 0	5329
Henry	2883 3754	3108 3054	2495	4352	2152	311	4502
Howard		3951 1970	3377	4516	3317	629	4430
Humboldt	2330	1970	2135	2718	2214	336	2975
Ida	2713	2594	2406	3396	1840	394	3575
row Fowa	1787	1951	1559	2618	1235	254	2825
	3338	3247	2815	4352	2606	667	4153
Jackson (agnes	4864	3237	4400	4811	3518	622	4479
Jasper	8940	6703	8023	8576	7258	1221	8286

Table 1. Votes for Selected Candidates for U.S. President in lowa Counties, 1980-1988 (continued).

		1988		1984		1980	•
County	Democrat	Republican	Democrat	Republican	Democrat	Independent	Republican
Jefferson	3594	3614	2961	4727	2577	505	4099
Johnson	28759	15453	26000	18677	20122	8101	13642
Jones	4641	3496	3825	4907	3521	759	4506
(eokuk	2899	2278	2649	2913	2390	369	3145
Kossuth	5088	3938	4838	4872	3810	775	5568
_ee	10911	6228	8912	8756	8204	1047	8793
Linn	42993	33129	38528	41061	31950	8773	36254
Louisa	2268	2060	1927	2623	1700	291	2530
Lucas	2454	1776	2422	2630	1989	291	2593
Lyon	1706	3517	1401	4178	1431	375	4349
Madison	3421	2410	3067	3168	2496	505	3320
Mahaska	4451	4798	4107	6086	3968	603	5650
Marion	6922	5914	6313	7259	5490	1232	6665
Marshall	9760	7657	8809	10839	7114	1541	10707
4ills	2092	3212	1434	3994	1244	281	3581
4itchell	2870	2338	2531	3144	2040	361	3401
	2408					275	3268
Monona		2068	2159	2746	1660	_	2003
donroe	2338	1313	2342	1927	1866	216	
Montgomery	1898	3166	1661	4224	1556	301	4115
Muscatine	7059	6904	5986	9069	5597	1522	7829
O'Brien	2768	4241	2479	5008	2210	536	4937
Osceola	1277	1951	1146	2285	1051	234	2177
age	2185	4583	1914	5876	1772	356	5618
Palo Alto	3377	2041	3018	2715	2463	412	3025
lymouth	4220	5316	3464	6482	2965	756	6515
ocahontas	2722	1871	2481	2627	1959	397	3194
olk	84476	57854	75413	71413	61984	15819	64156
ottawattamie	14958	17193	12329	21527	10709	1870	20222
oweshiek	4876	3683	4103	4715	3529	821	4598
Ringgold	1609	1110	1593	1512	1150	195	1884
Sac	2613	2411	2363	3298	1976	467	3725
Scott	34415	31025	32550	38034	26391	5760	34701
Shelby	2806	3019	2291	4200	1892	372	4147
Sioux	2923	10270	2585	11665	2698	610	10768
Story	19051	13782	18277	19804	13529	7252	15829
Tame	4584	3362	4061	4882	3049	593	4840
Taylor	1671	1647	1499	2496	1226	240	2715
Jnion	3236	2751	2875	3583	2182	368	3372
/an Buren	1612	1692	1606	2138	1311	183	2142
<i>l</i> apello	10177	5350	10545	7098	8923	1050	7475
iarren	9627	6424	8171	8277	6610	1369	7360
lash ington	3776	3741	3079	4613	2877	703	3%7
iayne	1988	1467	1927	2061	1627	218	2221
lebster	10267	6926	9930	9619	9001	1386	10438
linnebago	2804	2863	2669	3616	2208	417	3808
linneshiek	4443	4194	3724	5277	3201	938	5000
loodbury	20153	18790	18951	23002	15930	3184	2553
lorth	2440	1488	2263	1985	1721	301	2347
right	3353	2658	2980	3675	2645	497	100

Table 2. Votes for Selected Candidates for U.S. Senator in Iowa Counties, 1980-1990.

		1990		1986		1984		1980
County	Democrat	Republican	Democrat	Republican	Democrat	Republican	Democrat	Republican
Adair	2139	1562	1064	2484	2745	1777	1742	2786
Adams	1031	921	541	1648	1577	1283	1023	1755
Allamakee	2048	3207	1367	3666	2460	3611	2109	4254
Appanoose	2616	1943	1561	2926	3651	2884	2811	3550
Audubon	1814	1513	899	1893	2411	1660	1623	2500
Benton	4381	3675	2428	4944	5603	4595	4374	5977
Black Hawk	23205	19577	16004	27005	3 5210	27319	28415	34008
Boone	6109	3392	3261	5438	7917	4239	5832	5647
Bremer	4071	4051	2111	5905	4956	5603	3301	7822
Buchanan	3591	3694	2167	4821	4910	4187	3682	5340
Buena Vista	3523	3622	1958	4949	4999	3960	4031	5158
Butler	2026	3045	1167	3900	2740	4019	1676	5422
Calhoun	2183	2034	1241	3096	3196	2545	2359	3716
Carrol l	3401	3831	2368	4399	6199	3533	4029	5059
Cass	2737	3303	1302	3837	3253	3969	2312	5242
Cedar	2977	3100	1329	3598	3714	3817	2941	4561
Cerro Gordo	8841	8717	5341	11905	12330	9909	9677	12444
Cherokee	2958	2697	1992	3888	4137	2984	3003	4131
Chickasaw	2725	2464	1671	3568	3692	2993	2580	4692
Clarke	2262	1212	1044	2254	2669	1584	1913	2329
Clay	3160	2778	1943	3957	4668	3287	3697	4481
Clayton	3218	3914	1742	4749	3943	4294	3834	5132
Clinton	8586	9398	5195	11181	13352	11420	11422	12796
Crawford	2807	2733	1679	3652	4429	3221	2490	4901
Dallas	6754	3967	3953	5665	8115	4558	6522	6084
Davis	1942	1118	1142	1711	2394	1622	1784	
Decatur	1909	1024	939	2198	2697	1473		2035
Delaware	2474	3966	1314	3609	3850	3855	2179	2287 4613
Des Moines	9125	6149	5560	7161	12255	8058	2905 10251	9286
Dickinson	2779	2969	1770	3939	3661	3196	2997	
Dubuque	13939	17964	10755	15457	23615	16064	20877	3864
Emme t	1914	1977		2412				19172
Fayette	4112		1241		2923	2515	2431	2863
Floyd	3108	4861	2390	5533	5604	5326	4642	6702
rtoyu Franklin		2928	1987	4014	4422	3987	3590	5246
	2165	2094	1001	3174	2765	2569	1654	3888
Fremont	1386	1859	780	2135	1906	2090	1224	2611
Gr eene Courado	2744	1706	1391	2939	3673	2020	2535	3070
Grundy	1916	2803	986	3482	2366	3942	1592	5309
Guthrie	2496	1605	1374	2486	3240	2006	2228	3070
Hamilton	3420	2648	1722	3887	4190	3385	2814	5218
Hancock	2706	1918	1169	3361	2736	3019	1879	4044
Hardin 	4328	3364	2371	5270	5290	4220	3626	5822
Harrison	2100	2437	1448	3424	3553	3170	2255	4478
lenry	3360	3040	1685	4096	3924	3740	3515	4598
loward	1850	2117	1179	3047	2479	2504	1778	3742
fumbol dt	2210	2142	1056	3154	2968	2631	2198	3469
Ida	1587	1524	875	2298	2085	1942	1365	2765
OMB	2918	2758	1208	3789	3317	3669	2775	4476
Jackson	3309	3982	1831	4404	4971	3898	3806	4515
lasper	8386	5288	4532	7762	9264	7083	7902	8496

Table 2. Votes for Selected Candidates for U.S. Senator in lowa Counties, 1980-1990 continued).

		1990		1986		1984		1980
County	Democrat	Republican	Democrat	Republican	Democrat	Republican	Democrat	Republican
Jefferson	2962	2682	1247	2964	3726	3515	2743	4200
Johnson	22027	10420	10353	15815	30549	13576	28412	13311
Jones	3300	3647	1790	4303	4390	4154	3899	4784
Keokuk	2436	1942	1312	2584	3092	2334	2378	3324
Kossuth	3251	4067	2214	4593	5363	4025	3784	5848
Lee	7697	5301	6414	6938	10038	7331	8990	8297
Linn	33212	30193	17413	33559	43720	35447	40460	35829
Louisa	2027	1733	836	2345	2266	2204	1769	2697
Lucas	2231	1336	1167	2353	2858	2039	2089	2668
Lyon	1204	2846	<i>7</i> 58	2946	1634	3784	1487	4303
Madison	1893	3259	1795	2909	3889	2253	2838	3140
Nahaska	3499	4086	1680	5255	4993	5006	4259	5696
Marion	6015	4773	3382	5720	7475	5755	6106	6764
Marshall	8628	6174	5918	82 50	10568	8603	7492	11560
Mills	1560	2282	780	2565	2066	3162	1295	3533
Mitchell	1945	2460	1246	3135	2640	2929	1816	3903
Monona	1832	1544	1136	2571	2709	2057	1801	3098
Monroe	1988	1243	1168	1785	2636	1509	2013	1942
Montgomery	1528	2424	819	2933	2316	3350	1510	4087
Muscatine	5646	5565	2157	5890	7302	7509	6290	8110
O'Brien	2140	3424	1492	4120	3304	3962	2443	4794
Osceola	989	1539	661	1899	1412	1837	1217	2034
Page	1799	3409	933	4161	2831	4707	1947	5423
Palo Alto	2128	1982	1594	2525	3343	2155	2650	2814
Plymouth	3106	4100	2168	5366	4667	4905	3243	6358
Pocahontas	1866	1782	1053	2734	3022	1967	2313	3090
Polk	75892	43289	39305	59165	88793	55329	78300	59965
Pottawattamie	11486	11472	6262	13045	16161	16975	12150	18921
Powesh i ek	4077	2707	2135	4384	4955	3654	4213	4615
Ringgold	1581	942	694	1542	1991	1093	1217	1921
Sac	1968	2088	1076	3023	3066	2480	2145	3627
Scott	24704	22023	13054	29125	37922	31381	31228	33653
Shelby	1939	2877	1107	3181	3198	3240	1940	4220
Sioux	2164	8568	1521	8546	3540	10065	2794	10691
Story	16068	9198	7740	15221	22615	14913	20191	15848
Tame	3642	2909	2273	4228	4838	3885	3182	5637
Taylor	1708	1338	675	1857	2104	1812	1283	2620
Union	2908	1895	1602	3145	3722	2635	2389	3237
Van Buren	1465	1440	915	2016	1882	1786	1364	2183
Wapello	8147	4013	5630	5593	11628	5669	9530	7242
Warren	8865	4822	4550	6944	10331	5871	7834	7200
Washington	3107	3037	1422	378 0	3803	3741	3120	4192
Wayne	1901	961	925	2164	2486	1410	1604	2216
Webster	8165	5731	4859	77 3 9	11850	7100	10128	9673
Winnebago	2160	2809	1271	3626	2782	3285	2311	3941
Winneshiek	3564	3710	1514	4410	4541	4244	3420	5478
Woodbury	15595	13486	9947	20226	23016	17632	18484	22093
Worth	1 1660	1826	965	2472	2261	1881	1723	2472
Wright	2550	2328	1444	3160	3565	2990	2551	4426
State of Iowa	529571	452273	299406	588880	716883	564381	580545	683104

. 1990 Rep Dem Rep Dem Dem Rep County Dem Rep Dem Rep Dem Rep Adair Adams Al (amakee Appanoose Ω Audubon Benton Black Hawk Boone Bremer Buchanan Buena Vista Butler Calhoun Carroll Cass Cedar Cerro Gordo Cherokee Chickssaw Clarke Clay Clayton Clinton Crawford Dallas Davis Decatur Delaware Des Moines Dickinson Dubuque Emme t **Fayette** Floyd Franklin Fremont Greene Grundy n Guthrie **Hamilton** Hancock Hardin Harrison Henry n Howard **Humboldt** Ida Jour Jackson

Table 3. Votes for Selected Candidates for U.S. Representative in Iowa Counties, 1980-1990 (continued).

		1990		1988		1986		1984		1982		1980
County	Dem	Rep	Dem	Rep	Dem	Rep	Dem	Rep	Dem	Rep	Dem	Rep
Jasper	10124	0	11432	4456	8374	3940	9800	6438	8693	4807	8279	8176
Jefferson	0	4618	1867	5171	1212	2955	1689	5520	1535	3662	1847	5105
Johnson	24682	0	29795	14361	17184	9024	22002	22662	19221	13380	18061	21902
Jones	3542	3166	3548	4527	2603	3576	3059	5616	2905	4471	3525	4923
Keokuk	0	2185	1757	3155	1306	2346	1609	3476	1552	2665	2952	2604
Kossuth	1694	5275	3188	5561	4361	2621	6535	2790	5125	2103	6832	2881
Lee	0	6430	8069	8278	6040	7257	6783	9738	6333	6287	7173	9834
Linn	31002	30620	33065	43209	20444	31174	29895	51775	28549	32589	37651	37647
Louisa	0	3104	1313	2989	803	2372	1073	3345	1180	2393	1181	3201
Lucas	0	2117	1488	2151	1173	2163	1416	2831	1697	2166	2412	2353
Lyon	825	3149	1158	3961	1669	2116	2275	3182	1584	2139	2810	2889
Madison	1666	2915	2346	3241	2047	2419	3420	2658	3566	1757	4227	1980
Mahaska	0	4190	2584	5864	1669	4646	2661	6585	2939	4606	4664	5251
Marion	3582	6138	5069	7160	3910	4975	7251	5647	5795	3547	6461	6259
Marshall	10806	0	10688	6096	7550	6139	6908	11533	7091	8602	9088	9481
Mills	799	2981	1129	3934	934	2573	1441	3845	1672	1956	1992	2959
Mitchell	2106	0	3028	1921	1810	2360	1646	3623	1791	2914	2354	3325
Monona	1177	2128	1642	2711	2045	1866	3267	1579	2728	1171	3143	1902
Monroe	0	1506	1641	1536	1152	1655	1504	2095	1499	1720	2023	1934
Montgomery	779	3125	1098	3853	983	2873	1457	4305	1834	2274	2457	3398
Muscatine	0	7490	4835	8549	2018	5903	3842	10669	3300	6919	4483	9713
O'Brien	1378	4206	2089	4870	2924	2870	4191	3135	3311	2135	4477	3032
Osceola	1300	1323	905	2296	1368	1326	1932	1449	1541	1223	2118	1271
Page	897	4247	1145	5754	968	4313	1749	5925	2175	3048	3019	4505
Palo Alto	1360	2655	2264	3043	2515	1731	4064	1523	3684	1005	4262	1417
Plymouth	2016	5175	3274	6116	4645	3306	5942	3853	4611	2548	6284	3758
Pocahontas	945	2616	1838	2745	2031	1929	3617	1274	2823	1063	3865	1546
Polk	87242	2010	102974	39339	68868	29887	88305	53651	76431	37053	76506	61662
Pottawattamie	7070	14849	11301	19535	8418	11684	14272	18623	12053	10521	15973	15909
Poweshiek	3725	0	5476	2709	3552	2691	3178	5150	3326	3956	2999	5356
Ringgold	660	1751	705	1730	921	1376	1524	1523	1675	1022	1890	1105
	977	2807	1577	3127	1386	2587	2576	2837	2283	2040	3864	2060
Sac Scott	0	30556	23441	39982	11284	30903	20877	47578	18258	31558	18810	42407
Shelby	1096	3432	1745	3851	1607	2725	2731	3665	2662	2412	3473	2788
Sioux	1300	9311	2332	10697	3655	6674	4510	9418	4143	5043	5998	7620
	14055	0	21098	9766	14310	8117	19643	16164	17637	9259	23858	11603
Story	3826	0	5254	2550	3839	2588	3127	5550	2897	4482	3860	4716
Tame	741	2282	749	2495	867	1859	1291	2729	1703	1471	2175	1702
Taylor		3010	1997	3732	2192	2569	3371	2930	3228	1887	3723	2038
Union	1561		1096	2210	1362	1629	908	2582	940	1925	1054	2437
Van Buren	0	1914		6695	5564	5033	8066	7 8 22	7862	5405	9579	7033
Wapello	0	4670	7507				9589	6557	8746	3685	4790	10074
Warren	5871	6697 3937	7152	8165 4973	5422 1371	5886 3645	1793	5513	1680	3856	2180	4899
Washington	0	3833	2026	4972 1075	1371	3643 1777	2108	1 68 6	2178	1187	2541	1325
Wayne	907	1863	1174	1975	1285 6113	6288	12951	6292	8800	5153	13726	5559
Webster	4965	7475 7773	7639	8409 3663	2205	0200 2726	3193	2427	2644	2222	3059	2980
Winnebago	1144	3742	1828		2652	3123	2942	5613	2612	4454	2838	5778
Winneshiek	3517	0	4955	3404			27239	13980	22250	8516	26548	15278
Woodbury	10148	19415	16091	22686	15314	16275	1446	2533	1658	1998	2099	1971
Worth	2700	0	2629	1181	1685	1475					2979	3725
Wright	1334	3414	2111	3699	2016	2530	3631	2714	2711	2153	2717	3123
												620806

Table 4. Votes for Selected Candidates for Governor in Iowa Counties, 1982-1990.

		1990		1986		1982
County	Democrat	Republican	Democrat	Republican	Democrat	Republican
Adair	1256	2463	1476	2106	1706	2351
Adams	632	1312	821	1417	1062	1343
Al lamakee	1631	3567	2196	2945	1652	3528
Appanoose	1880	2753	2229	2402	2772	2702
Audubon	1150	2157	1348	1548	1536	2146
Benton	3053	5061	4403	2999	3 <i>7</i> 57	5031
Black Hawk	17018	25640	23150	19975	25776	29915
Boone	4187	5270	4618	4395	5043	4454
Bremer	2690	5593	<i>37</i> 56	4296	3026	6178
Buchanan	2575	3929	3671	3313	3187	4361
Buena Vista	2385	4835	3143	3968	3361	4026
Butler	1397	3712	2011	3072	1791	4182
Calhoun	1473	2775	1977	2533	2068	2740
Carroll	2651	4584	3563	3597	3524	4358
Cass	1648	4265	1747	3556	2271	3906
Cedar	2103	3917	2290	2633	2567	4083
Cerro Gordo	7224	10434	8131	9447	9090	9690
Cherokee	2076	3628	2918	3170	2727	3182
Chickasaw	1933	3227	2601	2761	2371	3556
Clarke	1465	1966	1560	1764	1754	1863
Clay	2249	3807	2978	3210	2969	3864
Clayton	2312	4815	3036	3562	2676	4832
Clinton	7100	10960	7750	9296	8503	10807
Crawford	2193	3250	2766	2892	2704	3561
Dallas	4281	5423	5151	4523	6251	4852
Davis	1509	1608	1578	1338	1736	1706
Decatur	1109	1783	1517	1692	1731	1787
Delaware	1840	4684	2194	2850	2231	4013
Des Moines	6699	8595	7082	6025	8256	6888
Dickinson	2011	3758	2942	3230	2343	3431
Dubuque	12972	18541	15280	12099	15887	16238
Emmet	1460	2446	1766	2030	1906	2517
Fayette	3762	5331	3819		_	
Floyd	2339	3670	2828	4253	3653 7370	5912
Fr an klin	1359	2884	1759	3268	3239	3992
Fremont	972	2215		2478	1836	2756
			1066	2072	1396	1743
Greene Coumbi	1615	2797	2114	2317	2283	2413
Grundy Sustanta	1205	3573	1653	2812	1554	4400
Guthrie	1631	2451	1840	2044	2071	2347
Hamilton	2474	3684	2719	3030	2903	3666
Hencock	1371	3199	1814	2800	1948	2778
Hardin	2819	4809	3562	4284	3608	4498
Harrison	1424	3075	1919	3123	2373	2988
tenry	2110	4243	2608	3266	2839	3487
loward	1302	2547	1871	2385	1596	2814
lumboldt	1472	2912	1816	2470	2045	2812
lda	1050	2095	1438	1856	1173	2192
OMB	1778	4078	2258	2819	2316	<i>37</i> 55
Jackson	2576	4669	3181	3394	2928	4408

Table 4. Votes for Selected Candidates for Governor in Iowa Counties, 1982-1990 (continued).

		1990		1986		1982
County	Democrat	Republican	Democrat	Republican	Democrat	Republican
Jasper	6078	7403	6189	6111	7238	6578
Jefferson	1928	3728	1726	2547	2151	3109
Johnson	16196	15687	15503	10700	19304	13263
Jones	2505	4331	3150	3017	2935	4414
Keokuk	1590	2816	1964	1994	2147	2540
Kossuth	2249	5110	2807	4290	2663	5119
Lee	7011	6066	8884	5140	7002	5762
Lim	24278	35597	27869	24313	29140	31828
Louisa	1337	2367	1334	1877	1536	2062
Lucas	1453	2149	1630	1939	1824	2225
Lyon	891	3130	1138	2683	897	2897
Madison	2085	3101	2453	2509	2698	2691
Mahaska	2280	5404	2751	4350	3 <i>7</i> 56	4593
Marion	4187	6617	4460	4901	4755	5387
Marshall	6560	8154	7866	6412	7507	8420
Mills	1153	2760	1145	2383	1501	2233
Mitchell	1478	2969	1731	2706	1782	3002
Monone	1287	2086	1713	2186	1769	2220
Monroe	1401	1861	1546	1475	1762	1669
Montgomery	1009	2970	1230	2661	1518	2727
Muscatine	3919	7323	3475	4743	4412	6131
O'Brien	1421	4090	2232	3555	1843	3732
Osceola	713	1835	984	1706	860	1920
Page	1115	4142	1302	3966	1787	3556
Palo Alto	1558	2560	2186	2117	2337	2556
Plymouth	2160	5087	3056	4866	2541	4780
Pocahontas	1195	2522	1881	2241	1861	2381
Polk	52004	61780	52227	46550	67310	48871
Pottawattamie	8254	14886	7687	12665	10605	12363
	2926	3980	3070	3530	3563	3905
Poweshiek	2920 858	1617	1042	1307	1238	1548
Ringgold	1356	2725	1819	2444	2003	2823
Sac		2723 29834	19333	24216	23718	26850
Scott	16905	3543	1619	2788	1794	3354
Shelby	1245		2352	7955	1962	7284
Sioux	1381	9316	12127		14447	13639
Story	10945	14167	3246	3290	3081	4406
Tama	2548	4095	1004	1738	1310	1952
Taylor	1027	1915	2355	2523	2370	2868
Union	1950	2891			1428	1511
Van Buren	1264	1688	1449		8541	5611
Wapello	6668	5446	7371	4229 55/3	7045	5807
Warren	6018	7581	6143		7045 2506	3589
Washington	2023	4177	2292			3369 1834
Wayne	1135	1821	1400		1585 7806	7807
Webster	6011	7845	6589		1908	7607 3632
Winnebago	1549	3497	1768			3032 4779
Winneshiek	2334	4965	2452		2379	
Woodbury	11274	18104	13957		15249	15959
Worth	1454	1990	1540		1616	2087
Wright	1785	3134 		2652	2306	2986
State of Iowa	379372	591852	436987	4 <i>T</i> 2712	483291	548312

Table 5. Percentage of Inhabitants 18 or older Voting for U.S. Senator (1980, 1990), U.S. President (1980, 1988), and Iowa Governor (1982, 1990) in Iowa Counties, 1980-1990.

County	U.S. Senator		U.S. President		Iowa Governor			U.S. Senator		U.S. President		Iowa Governor	
	1990	1980	1988*	1980	1990	1982*	County	1990	1980	1988*	1980	1990	1982*
Adair	58.8	65.0	65.0	66.5	59.0	58.3	Jefferson	45.8	56.7	58.5	58.6	45.9	42.9
Adams	53.1	65.9	64.3	69.5	52.9	57.0	Johnson	42.3	65.4	57.6	65.6	41.5	51.1
Allamakee	52.1	60.6	59.1	62.1	51.6	49.4	Jones	48.1	60.3	56.3	61.0	47.3	51.0
Appanoose	44.3	56.6	58.2	59.3	45.0	48.7	Keokuk	50.9	60.6	60.2	62.7	51.2	49.8
Audubon	60.9	66.5	61.2	69.7	60.6	59.4	Kossuth	54.7	63.2	67.5	66.6	55.0	51.1
Benton	49.7	62.5	61.0	63.4	50.1	53.1	Lee	45.3	55.8	59.7	58.3	45.5	41.2
Black Hawk	46.3	63.1	60.4	63.6	46.2	56.3	Linn	50.2	63.4	60.2	64.0	47.4	50.6
Boone	50.0	59.1	61.1	61.5	49.7	48.9	Louisa	44.6	53.6	51.3	54.2	43.9	43.2
Bremer	47.6	63.4	58.9	63.8	48.6	52.4	Lucas	52.2	63.0	61.9	64.5	52.7	53.6
Buchanan	50.5	59.1	57.4	61.2	45.1	49.4	Lyon	48.6	65.2	62.6	69.3	48.2	42.7
Buena Vista	48.3	59.8	59.2	61.9	48.8	48.1	Madison	57.0	67.0	64.5	70.9	57.4	60.4
Butler	43.8	56.7	52.8	56.8	44.1	47.7	Mahaska	47.7	59.1	58.2	60.7	48.3	49.6
Calhoun	48.9	61.0	63.4	62.1	49.3	48.3	Marion	48.3	59.9	57.5	62.3	48.4	47.2
Carroll	48.0	58.2	60.7	61.8	48.0	50.5	Marshall	51.6	63.7	60.7	64.7	51.3	53.2
Cass	53.7	60.9	61.3	64.8	52.6	49.8	Mills	40.1	51.2	55.4	54.1	40.9	39.6
Cedar	47.7	56.9	58.1	58.3	47.2	50.4	Mitchell	54.5	65.2	64.5	66.1	55.0	54.5
Cerro Gordo	49.9	61.5	63.2	62.8	50.2	52.2	Monona	44.6	56.8	59.1	60.3	44.5	46.2
Cherok ee	55.1	61.0	66.1	63.3	55.5	50.5	Monroe	53.4	58.8	60.3	60.8	53.9	51.0
Chickasaw	54.3	69.0	63.6	69.8	54.0	56.2	Montgomery	43.4	56.3	55.6	60.0	43.7	42.7
Clarke	56.8	68.0	63.6	69.6	56.1	58.0	Muscat ine	39.0	51.5	48.5	53.5	39.1	37.7
Clay	46.5	58.4	61.1	61.8	47.4	48.8	O'Brien	49.2	58.8	61.9	62.4	48.7	45.3
Clayton	51.9	60.4	59.4	61.1	51.9	50.6	Osceola	47.8	54.5	61.0	58.1	48.2	46.6
Clinton	48.1	60.4	60.9	62.0	48.3	48.2	Page	41.2	52.2	53.5	54.9	41.5	37.9
Crawford	45.6	56.3	59.6	60.1	44.8	47.7	Palo Alto	52.6	60.2	69.3	65.0	52.6	53.9
Dallas	49.9	60.9	57.6	61.8	45.2	53.6	Plymouth	43.4	55.7	57.5	59.3	43.7	42.4
Davis	50.6	58.9	63.0	60.0	51.5	53.1	Pocahontas	51.8	65.8	65.2	67.5	52.8	51.6
Decatur	45.8	60.2	56.2	61.7	45.2	47.4	Polk	48.6	62.9	58.0	64.6	46.4	52.9
Delaware	51.5	60.0	59.0	61.6	52.2	49.8	Pottawattamie	38.2	51.6	53.5	54.5	38.5	38.1
Des Moines	48.2	59.0	60.8	60.9	48.3	45.7	Powesh i ek	47.2	62.0	59.6	62.9	48.1	52.5
Dickinson	50.4	59.9	61.6	64.0	50.6	50.4	Ringgold	61.2	68.2	66.0	70.2	60.0	60.5
Dubuque	50.6	62.8	60.8	64.3	50.0	50.4	Sac	44.8	56.0	55.5	59.9	45.1	46.9
Emmet	45.8	55.8	58.3	59.7	46.0	46.7	Scott	43.9	58.6	60.2	60.4	43.0	45.7
Fayette	55.9	62.9	63.7	63.2	56.6	53.1	Shelby	49.9	58.9	60.4	61.3	49.6	49.2
Floyd	47.8	63.8	60.5	65.2	47.6	52.2	Sioux	51.2	63.3	62.9	66.1	51.0	43.4
Franklin	50.5	58.1	58.2	58.9	50.3	48.2	Story	42.4	63.0	55.1	64.0	42.2	49.1
Fremont	53.4	56.1	57.4	59.7	52.4	45.9	Tame	50.9	63.6	61.7	61.2	51.6	54.0
Greene	58.9	63.6	67.5	66.7	58.4	53.3	Taylor	57.6	62.9	62.7	67.4	55.6	52.6
Grundy	52.7	67.2	63.0	67.7	53.4	58.0	Union	50.8	56.0	63.3	58.9	51.2	52.1
Guthrie	49.9	60.3	59.8	62.2	49.7	50.3	Van Buren	51.3	57.3	58.4	58.7	52.2	47.5
Hamilton	50.6	62.0	62.0	63.0	51.4	50.7	Wapello	44.8	56.5	57.3	58.8	44.7	47.7
Hancock	50.9	60.6	61.3	62.0	50.4	48.3	Warren	53.0	64.0	62.1	65.3	52.6	54.7
Hardin	53.7	59.4	62.5	61.7	53.3	51.0	Washington	42.8	50.9	52.4	52.6	43.2	42.5
Harrison	42.1	58.1	55.6	60.1	41.8	46.3	Wayne	52.9	61.4	63.9	65.3	54.6	54.9
Henry	44.5	58.9	53.6	60.8	44.2	46.0	Webster	46.5	59.6	57.6	62.7	46.4	47.0
Howard	55.2	69.6	59.9	69.7	53.6	55.6	Winnebago	55.0	65.5	62.7	67.4	55.9	58.0
Humbol dt	54.3	63.8	66.2	65.4	54.7	54.7	Winneshiek	46.3	56.1	55.0	57.8	46.4	45.1
Ida	51.6	63.7	62.0	66.5	52.2	51.9	Woodbury	41.1	56.6	55.1	59.5	41.6	43.5
lous	52.2	64.9	60.5	66.5	53.8	54.3	Worth	58.0	62.8	65.4	63.9	57.3	55.4
Jackson	50.7	54.6	56.3	56.6	50.4	48.1	Wright	45.2	58.2	55.7	59.0	45.6	44.1
Jasper	52.8	62.7	60.4	64.1	52.1	52.8							
							State of Iowa	47.7	60.5	59.1	62.3	47.2	49.4

^{*}Population age 18 and over for 1990 used for 1988 calculations; age 18 and over for 1980 used for 1982 calculations.

Representative

The influence of the presidential election on voting participation is confirmed when total votes for the races for seats in the U.S. House of Representatives are reviewed. Voting drops by 200,000 to 400,000 in the election two years after a presidential race is on the ballot (Table 3). The decline between 1988 and 1990 was the greatest in the period examined; some of this decrease was caused by the fact that Democrats failed to field a candidate for U.S. representative in 16 counties while Republicans had no one running in 22 counties. The 1990 election was the only one in which the two major political parties did not have candidates on the ballot for some of the seats available.

When the votes were totaled across the state, Democrats received more votes in 1980, 1982, and 1990, while Republicans had the majority of votes in the other years (1984, 1986, 1988). The differences generally were slight, however.

Governor

Contests for governor occur in between the years when the presidential election takes place. The number voting in 1982, 1986, and 1990 varied from about 900,000 to slightly more than 1 million (Table 4). The Republican candidate won each of these elections for governor. The closest race was in 1986, when the Republican received 52.0% of the vote; in 1990, the Republican had 60.9% of the votes for the two candidates for the major political parties.

In the 1990 election, the Republican party's candidate for governor won a majority of the votes in all but three counties (Johnson, Lee, Wapello). The Republican received more than two-thirds of the votes in 32 of Iowa's 99 counties; in three (Lyon, Page, Sioux), at least three of every four voters selected the Republican. A total of 77 counties gave a majority of their votes to the Republican candidate in each of these three elections; only three counties (Johnson, Lee, Wapello) favored the Democrat each time.

Proportion Voting

The 1980 and 1990 races for U.S. senator were the only statewide contests conducted in the years of the two most recent decennial censuses. In 1980, about 60.5% of those living in lowa who were 18 years of age or older voted for either of the senatorial candidates of the two major political parties (Table 5). Ten years later, 47.7% of those eligible on age alone voted for senator. Caution is urged in comparing these figures, because the presidential race in 1980 drew more voters to the polling places. Indeed, the 1980 vote for U.S. senator was about 280,000 more than that counted in 1990. Also, not everyone 18 and older counted by the census as living in lowa is eligible to register to vote. In 1990, at least half of those 18 and older voted in the senate race in 49 of lowa's 99 counties, led by figures over 60% in Audubon and Ringgold. Ten others had from 55% to 59.9% participating. Muscatine and Pottawattamie were the only counties with voting below 40% of those 18 and older, although 17 others were below 45%.

When figures for the two presidential races (1980, 1988) closest to the census years (1980, 1988) are compared, the percentages vary less dramatically. In 1988, about 59.1% of those 18 and older voted; this is based on census figures for age in 1990, so it is an estimate at best. In 1980, 62.3% of those 18 and older voted. The range across counties in 1988 varied from less than 55% in seven to at least 65% in nine others. The gubernatorial races (1982, 1990) closest to the census years also produced relatively similar results. In 1982, about 49.4% of those eligible by age alone voted; this is an estimate based on those age 18 or older in 1980. In 1990, 47.2% of those 18 or older living in lowa voted in the contest for governor. Percentages across the counties in 1990 ranged from less than 45% in eighteen to at least 55% in 13 others.

Note: Readers can review the biennial <u>lowa Official Register</u> (numbers 59-63) for additional information on the elections for 1980 through 1988. The 1990 data are available from the office of lowa's Secretary of State (State Capitol Building, Des Moines, IA 50319); they will be included in the next register. But caution is urged in examining figures even after they have been officially canvassed. The next register, for example, will list the Republican candidate for the U.S. Senate as receiving 2,164 votes in Sioux county while the Democrat will have 8,568; those numbers actually were reversed from what should have been reported. The total for the Republican candidate for the U.S. Senate in Woodbury county was listed officially as 14,486; it should have been 13,486. The county canvasses did not catch these errors until after the final date had passed. 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.

For those wishing to put the names of candidates for statewide offices with the votes that they received, here is that information: Table 1 (President): 1980, Democrat (Carter), Independent (Anderson), Republican (Reagan); 1984, Democrat (Mondale), Republican (Reagan); 1988, Democrat (Dukakis), Republican (Bush); 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); Table 3 (Governor): 1982, Democrat (Conlin), Republican (Branstad); 1986, Democrat (Junkins), Republican (Branstad); 1990, Democrat (Avenson), Republican (Branstad). Redistricting changed the counties in the districts of U.S. representatives in 1982; see the <u>lowa Official Register</u> for candidates by county.

Other Publications from Census Services

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

1990 Census Publications

Five 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 last one is from the more detailed STF1A (Summary Tape File 1A) tape that arrived in May of 1991. Single copies of these reports can be ordered at no charge from Census Services (320 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.

Information for counties and incorporated places equivalent to that in CS91-6 (the last report listed) for 1990 is available through county extension offices. Each office has five pages of data for that county and five pages for each incorporated place within it. A complete set of the five pages for each of lowa's 99 counties is available from Census Services (cost: approximately \$60.00).

Other Publications

Single copies of the following reports can be ordered at no charge from Publications Distribution, 112 Printing and Publications Building, Iowa State University, Ames, IA 50011. Indicate the Pm and/or CRD number(s) of the publication(s) you want. There is a charge if more than one copy of a publication is ordered. Information on charges is available from Publications Distribution (515-294-5247). Many of these reports can be reviewed at county or area extension offices.

Iowa and The World:

Food Self-Sufficiency in the World: 1970-1985. August 1990 (6 pages). CRD 307. World Population Estimates (1980 and 1985) and Projections (1990 and 2000). June 1988 (12). CRD 270.

lowa and Other States:

State Taxes Collected in Iowa and Other States: 1989. June 1990 (4 pages). CRD 305.

Age Distributions in Iowa and the Nation: 1980 and 1989. June 1990 (8). CRD 304.

Household Estimates for Iowa and Other States: 1980-1989. May 1990 (2). CRD 299.

1989 Population Estimates for Iowa and Other States. February 1990 (2). CRD 296.

Projections for Black and White Residents of Iowa and the Nation, 1990-2000. October 1988 (2). CRD 276.

Vital Statistics and Other Population Components in Iowa and the Nation, 1980-1985. May 1987 (12).

CRD 253.

lowa and the Nation: Population and Housing Counts. March 1983 (4). CRD 184.

State of Iowa:

Rural and Urban Comparisons in Iowa: 1980-1988. August 1990 (16 pages). CRD 308.

Births in Iowa by Race, Age, and Marital Status of Mother: 1980-1988. June 1990 (8). CRD 301.

Age Distributions in Iowa: 1980-1989. May 1990 (2). CRD 298.

Estimates of Minority Populations in Iowa: 1980-1985. October 1989 (2). CRD 293.

Changes in the Characteristics of Iowa's Farm Operators: 1978-1987. September 1989 (4). CRD 292.

Changes in Iowa Agriculture: 1978-1987. October 1989 (4). CRD 291.

Births, Births to Teens, and Out-of-Wedlock Births in Iowa, 1980-1987. April 1989 (4). CRD 284.

Preliminary Data on Iowa from the 1987 Census of Agriculture. March 1989 (2). CRD 283.

lowa's Population from 1910 to 1988: Births, Deaths, and Migrations. March 1989 (4). CRD 282.

Rural and Urban Per Capita Income in Iowa, 1969-1986. February 1989 (2). CRD 281.

Farm, Rural Nonfarm, and Urban Residents of Iowa: 1980 and 50 Years of Perspective.

February 1988 (95). Pm-1312.

Minority Groups in Iowa. January 1987 (72). Pm-1286.

lowa's Elderly: 1980 and a Century of Perspective. October 1986 (82). Pm-1279.

Women in Iowa: 1980 and a Century of Perspective. June 1986 (89). Pm-1270.

Iowa's Retail Trade Establishments: 1954-1982. March 1986 (6). CRD 237.

Estimated Personal Income in Iowa, 1929-1982. February 1985 (6). Pm-1192.

Federal Expenditures in Iowa and Other States, Fiscal Year 1983. June 1984 (revised) (2). CRD 217.

Detailed Ancestry Categories for the State of Iowa. September 1983 (4). CRD 195.

Socioeconomic and Housing Characteristics--lowa. January 1983 (16). Pm-1074.

lowa's Urban and Rural Population, 1880-1980. July 1982 (2). CRD 165.

Population Change in Iowa's Incorporated Places, 1970 to 1980. April 1982 (4). CRD 159.

Complete Count Census Data--lowa. April 1982 (6). Pm-1041.

Iowa's Incorporated Places and Townships:

Estimates of Population (1988) and Per Capita Income (1987) for Iowa's Counties and Incorporated Places.

April 1990 (12 pages). CRD 297.

Population in Iowa's Incorporated Places, 1850-1986. March 1988 (28). CRD 263.

Population in Iowa's Townships: 1900-1980. February 1988 (28). CRD 261.

Federal Funds in Iowa's Incorporated Places, Fiscal Year 1983. May 1984 (16). CRD 219.

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