

IOWA

PROBLEM IDENTIFICATION



FOR FEDERAL 402

STATE AND COMMUNITY

HIGHWAY SAFETY PROGRAMS

FFY 2003



Governor's Traffic Safety Bureau
Iowa Department of Public Safety
January, 2002

PROBLEM IDENTIFICATION

Introduction

Each year, traffic crashes in the United States result in over 350,000 deaths and serious injuries. In 2000 alone, traffic accidents cost the nation an estimated \$160 billion, seven times more than the estimated cost of all crime. Highway crashes represent the leading cause of death and disabling injury for persons under age 35.

In recognition of this problem, the Congress of the United States enacted national highway safety legislation in 1966, which led to the establishment of the National Highway Traffic Safety Administration (NHTSA). The legislation also provided for federal highway safety monies to be made available to the states with a goal of reducing death and injury on the nation's roads. Iowa has been very active in the federal-state-local highway safety partnership since the mid 1960s.

We are justifiably proud of our success in reducing highway fatalities since that time. In 1966, 904 persons were killed in Iowa traffic mishaps. For 2001, the comparable total is 445, a reduction of 50%. This figure compares very favorably to the national highway fatality reduction of approximately 20% over the same time period. During 2001, Iowa will, for the second consecutive year, achieve a fatality rate per 100 million vehicle miles traveled (VMT) of less than 1.5. In 1966, the fatality rate peaked at 6.3; four times the present rate.

Alcohol-related fatalities in Iowa reached their lowest total ever in 2000 with 112 deaths. Twenty-five percent of all 2000 traffic fatalities were alcohol-related, the lowest percentage on record. Iowa's current statewide safety belt use rate of 81% rates us among the top 10 states in the nation. The 2001 statewide child restraint use survey shows a 79% usage rate, which is unchanged from one year ago. Despite these gains and the fact that Iowa figures compare favorably to national averages of 40% alcohol-related fatalities and 71% belt use, much remains to be done.

Improving restraint use and reducing impaired driving and other serious traffic violations continue to be essential building blocks in the creation of an effective, dynamic traffic safety program. A critical component of any successful program is the identification of the scope, magnitude and characteristics of the highway safety problem. Focusing limited resources on the most prevalent and costly (in terms of loss of life or serious injury) highway safety problems requires detailed knowledge of the types of accidents, drivers involved, occupant protection status, causative factors, road system, time of day/day of week, and a host of other important variables.

The major objective of this problem identification document is the determination of the relative severity of traffic safety problems in each of the 99 counties. The National Highway Traffic Safety Administration and the Iowa Governor's Traffic Safety Bureau are committed to the reduction of death and injury on the nation's roads. As part of its duty in administering federal traffic safety funds in the State of Iowa, the Governor's Traffic Safety Bureau conducts a comprehensive Problem Identification update each year.

Overview - Problem Identification in Iowa

In the past, problem identification efforts in Iowa (and many other states) concentrated heavily on alcohol-related traffic problems. While impaired driving remains the number one problem on today's roads; other important traffic safety concerns play a significant part in the current problem identification approach.

Legislative initiatives, education, public awareness, and widespread acceptance have combined to make occupant restraints an important traffic safety component. The end of the National Mandatory Speed Limit of 55 mph and the move by a number of states to raise speed limits has rekindled interest in the role of vehicle speed in serious and fatal accidents. Factors such as vehicle miles traveled and enforcement of OWI laws play an important part in the comprehensive evaluation of traffic safety problems. Most important is the actual record of fatalities, serious injuries, overall injuries, and alcohol involvement in traffic mishaps in each of the 99 counties.

In analyzing the relative severity of traffic related safety problems in each county, we have carefully selected eight quantifiable measures of serious traffic incidents. The Administrative Code of the State of Iowa specifies the inclusion of fatalities, alcohol-related fatalities, injuries, serious injuries, alcohol-related injuries, vehicle miles traveled, OWI revocations and motorcycle/pedestrian/bicycle fatalities/injuries in problem identification analysis for Iowa's federally funded 402 highway safety programs.

For evaluation purposes, each of the eight data elements has been given equal weight. The Administrative Code does not specify any particular emphasis on the individual elements, but because each element was worthy of inclusion in problem identification analysis as defined by the Code, equal consideration of each element was adopted.

Each county is ranked with the other counties in each of the eight traffic related problem areas from the highest number of occurrences to the lowest. In other words, if County X experienced an average of 40 fatalities per year; the highest in the State, County X would be ranked number one in terms of its fatality problem.

If County Y averaged 750 personal injuries per year and that figure was 15th highest among the 99 counties, County Y would be ranked number 15 in terms of its injury problem and so on.

After all categories have been analyzed, the problem rankings in all eight data groups for each individual county are averaged and compared, providing an overall or composite ranking for each county. The composite ranking is used to determine the relative need for federal 402 highway safety program assistance.

The National Highway Traffic Safety Administration recommends utilizing at least three years of data when conducting problem identification analysis. This analysis contains three years of historical data including statistics from 1998 through 2000 for all of the eight data elements.

While the ranking of key accident related statistics by county is the determining factor in assessing 402 program eligibility, it is only the first step in developing highway safety programs which are responsive to the problems and needs of a given county or community. A second step involves a closer examination of traffic related data from eligible counties or municipalities within those counties that have expressed interest in establishing local traffic safety programs with the assistance of 402 funds. Review and analysis of local accident data facilitates the targeting of limited 402 resources at the most prevalent traffic problems.

For example, program efforts with local county or city law enforcement or other public agencies may focus on high crash locations, time of day or day of week crash considerations or demographic profiles of the drivers over represented in injury and fatality crashes such as age and gender. Rural, urban, suburban classifications of injury/fatality crash locations, belt status of crash vehicle occupants, driver impairment, speed, stop sign or other violations related to the crash may also be important variables in further defining highway accident problems in a given county or community and in the selection of cost effective countermeasures to address these problems.

Supplemental Data

A variety of data relating to traffic crashes in Iowa, but not utilized in the problem identification overview is available. *Iowa Crash Facts*, formerly known as the Iowa Accident Fact Book, is available from the Iowa Department of Transportation.

1998-2000 IOWA TRAFFIC FATALITIES & FATAL CRASHES

	<u>1998</u>	<u>1999</u>	<u>2000</u>	<u>% of Change 1998-2000</u>
TOTAL FATALITIES	449	490	445	-0.9%
TOTAL FATAL CRASHES	386	428	394	+2.1%

HIGHLIGHTS:

- The average number of fatalities for the three-year period, 1998-2000, is 461, down 22 fatalities or 4.7% from the 1995-1997 average of 483.
- Polk County remains the highest fatality county in the state with an average of 33 fatalities per year.
- Fatalities are more widely dispersed among the counties than any other data element used in the Problem I.D. analysis. Only nine counties average 10 or more fatalities per year while 49 counties average between three and seven fatalities per year.
- Because fatalities are relatively rare occurrences in the highway environment, the number of fatalities often varies significantly from year to year within the same county.

1998-2000 FATALITIES BY RANK & COUNTY

<u>County</u>	<u>1998</u>	<u>1999</u>	<u>2000</u>	<u>Average</u>	<u>Rank</u>
Polk	39	26	35	33.3	1
Pottawattamie	12	14	23	16.3	2
Linn	14	12	21	15.7	3
Scott	16	13	12	13.7	4
Johnson	4	18	12	11.3	5
Black Hawk	12	9	12	11.0	6
Story	10	12	9	10.3	7
Warren	9	12	9	10.0	8
Woodbury	10	8	12	10.0	8
Webster	9	12	7	9.3	10
Cerro Gordo	13	11	3	9.0	11
Dallas	11	9	6	8.7	12
Jasper	5	11	8	8.0	13
Clayton	5	14	2	7.0	14
Clinton	6	10	5	7.0	14
Sioux	9	3	9	7.0	14
Dubuque	7	10	2	6.3	17
Henry	2	7	10	6.3	17
Muscatine	6	12	1	6.3	17
Fayette	2	8	8	6.0	20
Crawford	2	12	3	5.7	21
Harrison	4	7	6	5.7	21
Iowa	5	3	9	5.7	21
Jones	6	5	6	5.7	21
Marshall	8	6	3	5.7	21
Plymouth	8	5	4	5.7	21
Poweshiek	5	7	5	5.7	21
Washington	4	3	10	5.7	21
Delaware	4	6	6	5.3	29
Keokuk	10	4	2	5.3	29
Sac	4	6	6	5.3	29
Boone	4	8	3	5.0	32
Bremer	8	5	2	5.0	32
Jackson	3	6	6	5.0	32
Lee	6	5	4	5.0	32
Buena Vista	3	5	6	4.7	36
Mahaska	5	3	6	4.7	36
Tama	7	3	3	4.3	38
Wapello	4	6	3	4.3	38
Wright	2	7	4	4.3	38
Benton	6	5	1	4.0	41

1998-2000 FATALITIES BY RANK & COUNTY

<u>County</u>	<u>1998</u>	<u>1999</u>	<u>2000</u>	<u>Average</u>	<u>Rank</u>
Buchanan	2	6	4	4.0	41
Carroll	2	5	5	4.0	41
Decatur	4	4	4	4.0	41
Marion	7	3	2	4.0	41
Butler	4	2	5	3.7	46
Cedar	2	5	4	3.7	46
Floyd	2	5	4	3.7	46
Grundy	3	7	1	3.7	46
Kossuth	5	6	0	3.7	46
Lucas	3	3	5	3.7	46
Montgomery	5	1	5	3.7	46
Allamakee	6	1	3	3.3	53
Davis	2	5	3	3.3	53
Des Moines	6	3	1	3.3	53
Winneshiek	1	3	6	3.3	53
Adair	4	2	3	3.0	57
Clay	2	1	6	3.0	57
Hardin	5	3	1	3.0	57
Mills	2	4	3	3.0	57
Pocahontas	0	9	0	3.0	57
Shelby	3	2	4	3.0	57
Calhoun	3	3	2	2.7	63
Chickasaw	0	4	4	2.7	63
Clarke	2	1	5	2.7	63
Dickinson	2	2	4	2.7	63
Fremont	2	4	2	2.7	63
Hamilton	3	2	3	2.7	63
Osceola	1	5	2	2.7	63
Page	2	5	1	2.7	63
Taylor	3	3	2	2.7	63
Cass	3	1	3	2.3	72
Franklin	5	1	1	2.3	72
Howard	3	2	2	2.3	72
Mitchell	4	2	1	2.3	72
Union	3	2	2	2.3	72
Wayne	4	0	3	2.3	72
Cherokee	3	2	1	2.0	78
Greene	1	1	4	2.0	78
Lyon	1	1	4	2.0	78
Monona	2	1	3	2.0	78
Van Buren	0	1	5	2.0	78
Appanoose	3	2	0	1.7	83
Humboldt	1	2	2	1.7	83

1998-2000 FATALITIES BY RANK & COUNTY

<u>County</u>	<u>1998</u>	<u>1999</u>	<u>2000</u>	<u>Average</u>	<u>Rank</u>
Madison	2	1	2	1.7	83
Palo Alto	3	0	2	1.7	83
Adams	1	2	1	1.3	87
Emmet	2	0	2	1.3	87
Ida	1	3	0	1.3	87
Jefferson	3	1	0	1.3	87
O'Brien	3	1	0	1.3	87
Winnebago	2	1	1	1.3	87
Audubon	0	1	2	1.0	93
Guthrie	2	0	1	1.0	93
Hancock	0	2	1	1.0	93
Monroe	0	1	2	1.0	93
Louisa	0	1	1	0.7	97
Worth	0	1	1	0.7	97
Ringgold	0	0	0	0.0	99

1998-2000 IOWA ALCOHOL & DRUG-RELATED FATALITIES

	<u>1998</u>	<u>1999</u>	<u>2000</u>	<u>% of Change 1998-2000</u>
NO. OF ALCOHOL-RELATED FATALITIES	113	131	112	-0.9%
% OF ALL FATALITIES	25.2%	27.0%	25.2%	0%

HIGHLIGHTS:

- The three-year average for alcohol-related fatalities (1998-2000) in Iowa is 119, down 22 or 16% from the 1995-1997 average of 141.
- Alcohol-related fatalities have nearly been cut in half this decade, declining 46% from 1990 to 2000.
- Polk County leads all counties averaging six alcohol-related fatalities per year. Black Hawk County is second with a three-year average of 4.7.
- Only three counties averaged four or more alcohol-related fatalities per year with five additional counties averaging three fatalities per year.
- Ninety-one Iowa counties averaged less than three alcohol-related fatalities per year.
- Nine counties had no alcohol-related fatalities in the 1998 through 2000 period.

1998-2000 ALCOHOL & DRUG-RELATED FATALITIES BY RANK & COUNTY

<u>County</u>	<u>1998</u>	<u>1999</u>	<u>2000</u>	<u>Average</u>	<u>Rank</u>
Polk	5	7	6	6.0	1
Black Hawk	6	5	3	4.7	2
Scott	3	5	4	4.0	3
Clayton	2	9	0	3.7	4
Johnson	0	8	3	3.7	4
Pottawattamie	1	4	6	3.7	4
Woodbury	4	1	5	3.3	7
Linn	3	0	6	3.0	8
Dallas	6	1	1	2.7	9
Decatur	4	0	4	2.7	9
Lee	2	4	2	2.7	9
Muscatine	2	6	0	2.7	9
Cerro Gordo	5	2	0	2.3	13
Jackson	3	2	2	2.3	13
Webster	3	2	2	2.3	13
Delaware	0	2	4	2.0	16
Iowa	2	2	2	2.0	16
Jones	1	4	1	2.0	16
Story	1	4	1	2.0	19
Allamakee	2	1	2	1.7	20
Bremer	2	1	2	1.7	20
Clay	2	0	3	1.7	20
Fayette	1	1	3	1.7	20
Keokuk	0	3	2	1.7	20
Marion	3	1	1	1.7	20
Tama	2	2	1	1.7	20
Washington	1	0	4	1.7	20
Boone	1	2	1	1.3	28
Buchanan	1	2	1	1.3	28
Buena Vista	3	0	1	1.3	28
Chickasaw	0	2	2	1.3	28
Des Moines	3	1	0	1.3	28
Henry	0	3	1	1.3	28
Lucas	1	1	2	1.3	28
Montgomery	3	1	0	1.3	28
Wright	1	3	0	1.3	28
Butler	1	1	1	1.0	37
Calhoun	2	0	1	1.0	37
Carroll	0	1	2	1.0	37
Clinton	1	1	1	1.0	37
Davis	1	0	2	1.0	37
Dubuque	1	2	0	1.0	37

1998-2000 ALCOHOL & DRUG-RELATED FATALITIES BY RANK & COUNTY

<u>County</u>	<u>1998</u>	<u>1999</u>	<u>2000</u>	<u>Average</u>	<u>Rank</u>
Greene	0	1	2	1.0	37
Harrison	1	0	2	1.0	37
Howard	2	0	1	1.0	37
Kossuth	1	2	0	1.0	37
Mahaska	2	0	1	1.0	37
Mitchell	1	2	0	1.0	37
Poweshiek	0	2	1	1.0	37
Wapello	0	3	0	1.0	37
Warren	1	1	1	1.0	37
Adams	1	0	1	0.7	52
Appanoose	1	1	0	0.7	52
Cedar	0	2	0	0.7	52
Floyd	0	0	2	0.7	52
Fremont	1	0	1	0.7	52
Grundy	0	2	0	0.7	52
Guthrie	2	0	0	0.7	52
Hardin	1	1	0	0.7	52
Humboldt	0	1	1	0.7	52
Jasper	2	0	0	0.7	52
Lyon	0	0	2	0.7	52
Madison	0	1	1	0.7	52
Marshall	0	1	1	0.7	52
Mills	0	0	2	0.7	52
Monona	2	0	0	0.7	52
Osceola	0	1	1	0.7	52
Pocahontas	0	2	0	0.7	52
Sac	0	1	1	0.7	52
Taylor	1	0	1	0.7	52
Union	1	1	0	0.7	52
Wayne	2	0	0	0.7	52
Winnebago	1	0	1	0.7	52
Winneshiek	0	2	0	0.7	52
Audubon	0	1	0	0.3	75
Benton	0	1	0	0.3	75
Cherokee	0	1	0	0.3	75
Clarke	1	0	0	0.3	75
Crawford	0	1	0	0.3	75
Dickinson	0	0	1	0.3	75
Ida	0	1	0	0.3	75
Louisa	0	0	1	0.3	75
Monroe	0	0	1	0.3	75
O'Brien	1	0	0	0.3	75
Page	0	1	0	0.3	75

1998-2000 ALCOHOL & DRUG-RELATED FATALITIES BY RANK & COUNTY

<u>County</u>	<u>1998</u>	<u>1999</u>	<u>2000</u>	<u>Average</u>	<u>Rank</u>
Palo Alto	1	0	0	0.3	75
Plymouth	1	0	0	0.3	75
Shelby	1	0	0	0.3	75
Van Buren	0	1	0	0.3	75
Worth	0	0	1	0.3	75
Adair	0	0	0	0.0	91
Cass	0	0	0	0.0	91
Emmet	0	0	0	0.0	91
Franklin	0	0	0	0.0	91
Hamilton	0	0	0	0.0	91
Hancock	0	0	0	0.0	91
Jefferson	0	0	0	0.0	91
Ringgold	0	0	0	0.0	91
Sioux	0	0	0	0.0	91

1998-2000 IOWA TRAFFIC INJURIES

<u>1998</u>	<u>1999</u>	<u>2000</u>	% of Change <u>1998-2000</u>
37,662	36,969	36,808	-2.3%

HIGHLIGHTS:

- Overall, traffic injuries decreased from 1998 to 2000, falling by more than 800 or 2.3%.
- Polk County leads all counties, averaging over 6,000 injuries per year.
- Polk, Scott, Linn, Woodbury, Black Hawk, Pottawattamie, Johnson and Dubuque counties each averaged 1,000 or more injuries per year while Story, Clinton, Cerro Gordo and Webster counties averaged 500 or more traffic injuries annually.
- Forty-four Iowa counties averaged less than 150 injuries per year.
- On an average day, more than 100 Iowan's are injured in traffic crashes on our state's streets and highways.

1998-2000 TOTAL INJURIES BY RANK & COUNTY

<u>County</u>	<u>1998</u>	<u>1999</u>	<u>2000</u>	<u>Average</u>	<u>Rank</u>
Polk	7,101	6,621	6,635	6,786	1
Scott	2,858	2,976	2,994	2,943	2
Linn	2,256	2,257	2,398	2,304	3
Woodbury	1,578	1,762	1,669	1,670	4
Black Hawk	1,613	1,624	1,551	1,596	5
Pottawattamie	1,509	1,320	1,448	1,426	6
Johnson	1,263	1,296	1,278	1,279	7
Dubuque	973	1,131	1,252	1,119	8
Story	800	886	832	839	9
Clinton	751	662	727	713	10
Cerro Gordo	700	635	561	632	11
Webster	569	582	552	568	12
Wapello	509	457	518	495	13
Muscatine	473	448	487	469	14
Marshall	486	466	409	454	15
Des Moines	449	415	409	424	16
Lee	449	420	375	415	17
Warren	388	383	444	405	18
Jasper	394	378	365	379	19
Dallas	344	357	347	349	20
Marion	364	299	279	314	21
Mahaska	288	347	299	311	22
Plymouth	351	310	271	311	22
Sioux	344	276	304	308	24
Boone	226	327	317	290	25
Clay	282	274	274	277	26
Winneshiek	245	251	290	262	27
Henry	267	210	276	251	28
Poweshiek	211	251	254	239	29
Buena Vista	248	219	218	228	30
Hamilton	242	234	206	227	31
Benton	205	224	248	226	32
Bremer	225	221	209	218	33
Dickinson	223	243	185	217	34
Washington	187	222	231	213	35
Carroll	236	215	184	212	36
Fayette	239	194	197	210	37
Harrison	206	211	192	203	38
Iowa	211	208	189	203	38
Cedar	199	226	173	199	40
Cass	212	194	177	194	41
Buchanan	172	222	185	193	42

1998-2000 TOTAL INJURIES BY RANK & COUNTY

<u>County</u>	<u>1998</u>	<u>1999</u>	<u>2000</u>	<u>Average</u>	<u>Rank</u>
Floyd	186	177	187	183	43
Jackson	171	192	175	179	44
Tama	185	188	164	179	44
Clayton	212	156	165	178	46
Kossuth	176	189	166	177	47
Appanoose	164	187	168	173	48
Jefferson	157	182	179	173	48
Hardin	185	157	171	171	50
Delaware	162	171	165	166	51
Crawford	203	152	140	165	52
Cherokee	146	191	147	161	53
Jones	166	145	170	160	54
O'Brien	157	143	166	155	55
Franklin	160	156	121	146	56
Humboldt	146	160	129	145	57
Clarke	173	136	125	145	57
Mills	167	121	135	141	59
Emmet	118	157	142	139	60
Page	136	130	147	138	61
Madison	135	119	141	132	62
Union	149	119	108	125	63
Allamakee	101	137	131	123	64
Greene	120	102	145	122	65
Butler	135	114	113	121	66
Grundy	105	140	116	120	67
Adair	113	120	126	120	67
Wright	118	121	118	119	69
Hancock	92	142	119	118	70
Sac	118	113	114	115	71
Monona	131	119	91	114	72
Calhoun	125	117	95	112	73
Shelby	116	116	87	106	74
Chickasaw	100	112	101	104	75
Lyon	110	87	111	103	76
Louisa	106	96	100	101	77
Montgomery	104	122	76	101	77
Mitchell	102	78	120	100	79
Fremont	75	90	131	99	80
Howard	91	115	68	91	81
Monroe	87	106	66	86	82
Davis	92	72	91	85	83
Keokuk	118	67	66	84	84

1998-2000 TOTAL INJURIES BY RANK & COUNTY

<u>County</u>	<u>1998</u>	<u>1999</u>	<u>2000</u>	<u>Average</u>	<u>Rank</u>
Guthrie	105	51	93	83	85
Palo Alto	91	68	88	82	86
Decatur	81	62	92	78	87
Van Buren	88	62	84	78	87
Lucas	89	61	83	78	87
Ida	83	60	76	73	90
Winnebago	68	79	72	73	90
Worth	70	67	82	73	90
Pocahontas	70	60	86	72	93
Audubon	87	52	51	63	94
Ringgold	58	70	43	57	95
Osceola	62	59	41	54	96
Wayne	58	49	43	50	97
Taylor	66	59	19	48	98
Adams	27	42	50	40	99

1998-2000 IOWA ALCOHOL & DRUG-RELATED TRAFFIC INJURIES

<u>1998</u>	<u>1999</u>	<u>2000</u>	% of Change <u>1998-2000</u>
2,554	2,478	2,443	-4.3%

HIGHLIGHTS:

- Alcohol-related injuries dropped just over 4% from 1998 to 2000. Between 1990 and 2000, alcohol-related injuries fell nearly 40%.
- Four counties averaged 100 or more alcohol-related injuries per year.
- Thirteen counties averaged 40 or more alcohol-related injuries per year.
- Seventy-two counties averaged fewer than 20 alcohol-related injuries per year.

**1998-2000 ALCOHOL & DRUG-RELATED INJURIES BY RANK &
COUNTY**

<u>County</u>	<u>1998</u>	<u>1999</u>	<u>2000</u>	<u>Average</u>	<u>Rank</u>
Polk	417	379	348	381.33	1
Scott	190	202	224	205.33	2
Linn	140	140	114	131.33	3
Black Hawk	89	119	96	101.33	4
Dubuque	77	93	103	91.00	5
Pottawattamie	105	83	85	91.00	5
Woodbury	51	93	108	84.00	7
Johnson	63	77	83	74.33	8
Clinton	46	44	62	50.67	9
Wapello	57	35	47	46.33	10
Cerro Gordo	58	51	29	46.00	11
Muscatine	45	36	56	45.67	12
Story	35	45	45	41.67	13
Marshall	45	35	19	33.00	14
Winneshiek	23	34	36	31.00	15
Lee	28	33	24	28.33	16
Webster	33	20	32	28.33	17
Des Moines	25	30	23	26.00	18
Jasper	42	15	17	24.67	19
Plymouth	30	25	17	24.00	20
Clayton	30	22	19	23.67	21
Marion	38	16	15	23.00	22
Warren	16	21	30	22.33	23
Dallas	22	22	22	22.00	24
Sioux	17	25	21	21.00	25
Clay	18	14	30	20.67	26
Henry	25	15	20	20.00	27
Iowa	32	15	12	19.67	28
Buena Vista	27	15	16	19.33	29
Poweshiek	14	23	19	18.67	30
Appanoose	11	32	11	18.00	31
Jackson	17	20	17	18.00	31
Washington	16	8	29	17.67	33
Cass	22	18	11	17.00	34
Allamakee	10	27	13	16.67	35
Benton	13	19	18	16.67	35
Buchanan	13	25	11	16.33	37
Mahaska	13	18	17	16.00	38
Carroll	16	19	12	15.67	39
Hamilton	17	18	11	15.33	40
Fayette	23	9	13	15.00	41

**1998-2000 ALCOHOL & DRUG-RELATED INJURIES BY RANK &
COUNTY**

<u>County</u>	<u>1998</u>	<u>1999</u>	<u>2000</u>	<u>Average</u>	<u>Rank</u>
Hancock	7	10	28	15.00	41
Boone	22	11	11	14.67	43
Harrison	10	13	21	14.67	43
Delaware	13	22	8	14.33	45
Calhoun	30	9	3	14.00	46
Floyd	17	13	12	14.00	46
Hardin	17	13	11	13.67	48
Bremer	15	15	10	13.33	49
Dickinson	8	19	13	13.33	49
Crawford	22	8	9	13.00	51
Madison	11	10	18	13.00	51
Mills	14	13	12	13.00	51
Montgomery	15	20	4	13.00	51
Tama	17	9	13	13.00	51
Kossuth	15	7	15	12.33	56
Cherokee	13	10	12	11.67	57
Grundy	6	15	13	11.33	58
Fremont	4	10	19	11.00	59
Keokuk	10	11	11	10.67	60
Wright	2	21	9	10.67	60
Cedar	10	12	9	10.33	62
Jones	11	11	9	10.33	62
Mitchell	11	10	9	10.00	64
O'Brien	7	7	16	10.00	64
Louisa	12	11	6	9.67	66
Union	10	11	8	9.67	66
Winnebago	12	8	8	9.33	68
Adair	6	12	9	9.00	69
Monona	10	7	9	8.67	70
Page	3	11	11	8.33	71
Howard	14	6	4	8.00	72
Lyon	12	3	8	7.67	73
Worth	4	10	9	7.67	73
Greene	8	6	8	7.33	75
Humboldt	3	6	13	7.33	75
Lucas	3	5	14	7.33	75
Franklin	4	7	10	7.00	78
Audubon	11	6	3	6.67	79
Emmet	6	5	9	6.67	79
Monroe	8	9	3	6.67	79
Ida	8	1	10	6.33	82

**1998-2000 ALCOHOL & DRUG-RELATED INJURIES BY RANK &
COUNTY**

<u>County</u>	<u>1998</u>	<u>1999</u>	<u>2000</u>	<u>Average</u>	<u>Rank</u>
Butler	9	4	5	6.00	83
Chickasaw	5	3	10	6.00	83
Davis	11	4	3	6.00	83
Decatur	9	8	1	6.00	83
Palo Alto	6	7	5	6.00	83
Guthrie	10	3	4	5.67	88
Jefferson	2	8	7	5.67	88
Osceola	4	7	6	5.67	88
Wayne	12	0	4	5.33	91
Sac	4	3	7	4.67	92
Clarke	2	2	9	4.33	93
Taylor	7	3	1	3.67	94
Shelby	6	1	3	3.33	95
Van Buren	6	1	3	3.33	95
Pocahontas	5	3	1	3.00	97
Ringgold	1	7	1	3.00	97
Adams	5	1	1	2.33	99

1998-2000 IOWA MAJOR TRAFFIC INJURIES

<u>1998</u>	<u>1999</u>	<u>2000</u>	% of Change <u>1998-2000</u>
3,479	3,632	3,700	+6.4%

HIGHLIGHTS:

- Serious traffic injuries totaled 3,700 for 2000, up 221 or 6.4% from the 1998 figures of 3,479.
- Polk County averaged over 500 serious injuries per year, the highest in the State.
- Seven counties averaged over 100 serious injuries per year while 13 more counties averaged 40-100 serious injuries per year.
- Fifty counties averaged fewer than 20 serious injuries per year.
- According to figures from the Iowa DOT, serious traffic injuries result in more than \$500 million in economic cost to society each year.

1998-2000 MAJOR INJURIES BY RANK & COUNTY

<u>County</u>	<u>1998</u>	<u>1999</u>	<u>2000</u>	<u>Average</u>	<u>Rank</u>
Polk	541	501	518	520.0	1
Scott	188	235	246	223.0	2
Linn	166	193	217	192.0	3
Black Hawk	124	134	152	136.7	4
Woodbury	116	127	135	126.0	5
Pottawattamie	133	101	104	112.7	6
Johnson	92	106	106	101.3	7
Dubuque	50	100	104	84.7	8
Story	83	82	78	81.0	9
Webster	69	64	69	67.3	10
Cerro Gordo	69	61	41	57.0	11
Clinton	56	59	53	56.0	12
Jasper	53	49	61	54.3	13
Warren	42	72	47	53.7	14
Wapello	36	56	62	51.3	15
Marshall	56	37	53	48.7	16
Marion	55	39	37	43.7	17
Muscatine	50	35	43	42.7	18
Poweshiek	54	33	36	41.0	19
Dallas	35	44	41	40.0	20
Lee	41	31	45	39.0	21
Boone	29	48	39	38.7	22
Des Moines	36	32	45	37.7	23
Winneshiek	30	43	35	36.0	24
Hamilton	41	26	37	34.7	25
Iowa	27	33	30	30.0	26
Mahaska	29	32	29	30.0	26
Henry	23	28	38	29.7	28
Fayette	28	32	27	29.0	29
Jackson	21	35	31	29.0	29
Sioux	28	25	33	28.7	31
Appanoose	24	30	31	28.3	32
Benton	24	33	28	28.3	32
Clay	17	26	41	28.0	34
Plymouth	41	26	15	27.3	35
Harrison	27	26	27	26.7	36
Clayton	26	27	24	25.7	37
Buchanan	21	32	23	25.3	38
Cass	30	20	26	25.3	38
Delaware	22	36	15	24.3	40
Bremer	21	31	17	23.0	41
Jones	21	18	30	23.0	41

1998-2000 MAJOR INJURIES BY RANK & COUNTY

<u>County</u>	<u>1998</u>	<u>1999</u>	<u>2000</u>	<u>Average</u>	<u>Rank</u>
Washington	23	22	24	23.0	41
Tama	20	30	18	22.7	44
Franklin	22	27	18	22.3	45
Buena Vista	25	20	20	21.7	46
Jefferson	20	23	22	21.7	46
Crawford	19	26	17	20.7	48
Hardin	15	17	28	20.0	49
Cedar	11	21	26	19.3	50
Hancock	10	24	22	18.7	51
Carroll	13	25	17	18.3	52
Madison	16	19	20	18.3	52
O'Brien	29	6	20	18.3	52
Davis	14	20	20	18.0	55
Humboldt	20	17	17	18.0	55
Keokuk	27	10	16	17.7	57
Kossuth	15	18	20	17.7	57
Dickinson	22	16	13	17.0	59
Floyd	11	21	19	17.0	59
Lyon	20	11	20	17.0	59
Calhoun	17	17	16	16.7	62
Mills	15	17	18	16.7	62
Page	16	15	19	16.7	62
Adair	20	19	10	16.3	65
Allamakee	9	16	24	16.3	65
Sac	15	16	18	16.3	65
Wright	16	25	7	16.0	68
Cherokee	14	20	13	15.7	69
Greene	16	14	16	15.3	70
Monona	14	21	10	15.0	71
Chickasaw	17	15	12	14.7	72
Grundy	10	18	16	14.7	72
Howard	9	21	14	14.7	72
Fremont	9	7	26	14.0	75
Clarke	11	12	17	13.3	76
Lucas	11	5	24	13.3	76
Shelby	10	18	12	13.3	76
Butler	16	13	10	13.0	79
Pocahontas	13	13	12	12.7	80
Mitchell	13	11	13	12.3	81
Decatur	13	7	14	11.3	82
Guthrie	14	9	11	11.3	82
Union	20	5	9	11.3	82
Emmet	9	15	9	11.0	85

1998-2000 MAJOR INJURIES BY RANK & COUNTY

<u>County</u>	<u>1998</u>	<u>1999</u>	<u>2000</u>	<u>Average</u>	<u>Rank</u>
Van Buren	10	9	14	11.0	85
Palo Alto	18	3	9	10.0	85
Montgomery	10	14	5	9.7	88
Louisa	5	9	12	8.7	89
Audubon	14	7	4	8.3	90
Worth	6	6	13	8.3	90
Ringgold	5	12	7	8.0	92
Taylor	10	10	4	8.0	92
Monroe	14	4	4	7.3	94
Wayne	10	7	5	7.3	94
Adams	4	8	9	7.0	96
Ida	4	10	6	6.7	97
Osceola	7	4	9	6.7	97
Winnebago	8	9	3	6.7	97

1998-2000 IOWA VEHICLE MILES TRAVELED (IN MILLIONS)

<u>1998</u>	<u>1999</u>	<u>2000</u>	% of Change <u>1998-2000</u>
29,188	29,722	29,820	+2.2%

HIGHLIGHTS:

- Since 1990, vehicle miles traveled in Iowa have increased by more than 28%. Travel in Iowa reached nearly 30 billion miles in the Year 2000.
- Polk, Linn, Scott, Pottawattamie, Johnson and Black Hawk counties each averaged more than one billion vehicle miles traveled during the past three years. Only 19 counties averaged fewer than 100 million vehicle miles traveled annually.

1998-2000 VEHICLE MILES TRAVELED (millions) BY RANK & COUNTY

<u>County</u>	<u>1998</u>	<u>1999</u>	<u>2000</u>	<u>Average</u>	<u>Rank</u>
Polk	3,402	3,456	3,660	3,506.0	1
Linn	1,539	1,553	1,530	1,540.7	2
Scott	1,427	1,454	1,486	1,455.7	3
Pottawattamie	1,158	1,182	1,192	1,177.3	4
Johnson	1104	1118	1101	1,107.7	5
Black Hawk	1,092	1,110	1,096	1,099.3	6
Woodbury	843	851	843	845.7	7
Story	658	715	681	684.7	8
Dubuque	660	669	658	662.3	9
Jasper	608	623	619	616.7	10
Dallas	523	537	559	539.7	11
Cerro Gordo	516	531	527	524.7	12
Warren	443	452	475	456.7	13
Cedar	420	430	419	423.0	14
Clinton	411	417	409	412.3	15
Iowa	386	395	394	391.7	16
Poweshiek	364	373	376	371.0	17
Webster	334	363	358	351.7	18
Muscatine	347	352	346	348.3	19
Hamilton	329	347	344	340.0	20
Marshall	336	339	335	336.7	21
Des Moines	326	330	326	327.3	22
Lee	320	325	318	321.0	23
Wapello	283	285	281	283.0	24
Benton	277	281	279	279.0	25
Cass	275	282	280	279.0	25
Harrison	265	271	271	269.0	27
Marion	262	264	266	264.0	28
Sioux	259	259	257	258.3	29
Boone	238	259	254	250.3	30
Plymouth	249	249	247	248.3	31
Adair	241	247	253	247.0	32
Buchanan	240	244	243	242.3	33
Washington	236	239	236	237.0	34
Franklin	231	235	240	235.3	35
Bremer	226	229	225	226.7	36
Mahaska	213	216	213	214.0	37
Mills	207	212	217	212.0	38
Monona	198	200	203	200.3	39
Clayton	197	199	197	197.7	40
Fayette	197	199	197	197.7	40
Delaware	195	198	196	196.3	42

1998-2000 VEHICLE MILES TRAVELED (millions) BY RANK & COUNTY

<u>County</u>	<u>1998</u>	<u>1999</u>	<u>2000</u>	<u>Average</u>	<u>Rank</u>
Tama	195	198	195	196.0	43
Henry	193	196	194	194.3	44
Jones	192	194	192	192.7	45
Winneshiek	190	193	190	191.0	46
Carroll	183	185	192	186.7	47
Clay	179	188	185	184.0	48
Fremont	175	179	183	179.0	49
Dickinson	181	178	176	178.3	50
Jackson	178	179	177	178.0	51
Crawford	174	177	179	176.7	52
Kossuth	177	174	172	174.3	53
Hardin	172	176	173	173.7	54
Buena Vista	173	168	166	169.0	55
Decatur	164	168	169	167.0	56
Clarke	160	166	169	165.0	57
Worth	162	166	166	164.7	58
Butler	158	160	159	159.0	59
Grundy	155	157	156	156.0	60
Floyd	154	156	157	155.7	61
Wright	153	153	153	153.0	62
Chickasaw	135	137	135	135.7	63
Page	135	137	131	134.3	64
O'Brien	132	132	130	131.3	65
Keokuk	129	131	130	130.0	66
Jefferson	129	130	129	129.3	67
Sac	126	126	124	125.3	68
Hancock	122	126	125	124.3	69
Cherokee	120	121	119	120.0	70
Allamakee	118	120	118	118.7	71
Appanoose	115	116	115	115.3	72
Calhoun	119	114	113	115.3	72
Madison	108	110	126	114.7	74
Louisa	112	114	112	112.7	75
Humboldt	113	113	111	112.3	76
Shelby	108	109	120	112.3	76
Union	111	113	113	112.3	76
Greene	108	109	113	110.0	79
Lyon	107	112	111	110.0	79
Pocahontas	102	99	98	99.7	81
Palo Alto	99	100	99	99.3	82
Montgomery	99	101	97	99.0	83
Mitchell	96	97	96	96.3	84
Guthrie	93	94	100	95.7	85

1998-2000 VEHICLE MILES TRAVELED (millions) BY RANK & COUNTY

<u>County</u>	<u>1998</u>	<u>1999</u>	<u>2000</u>	<u>Average</u>	<u>Rank</u>
Lucas	95	96	94	95.0	86
Howard	93	94	93	93.3	87
Emmet	89	89	88	88.7	88
Monroe	86	87	86	86.3	89
Davis	84	85	84	84.3	90
Winnebago	83	85	84	84.0	91
Ida	79	79	78	78.7	92
Osceola	77	77	76	76.7	93
Van Buren	75	76	75	75.3	94
Wayne	69	70	69	69.3	95
Audubon	59	60	58	59.0	96
Ringgold	56	57	57	56.7	97
Adams	52	53	51	52.0	98
Taylor	52	52	51	51.7	99

1998-2000 IOWA OWI REVOCATIONS

<u>1998</u>	<u>1999</u>	<u>2000</u>	<u>% of Change 1998-2000</u>
19,926	19,531	18,321	-8.1%

HIGHLIGHTS:

- OWI revocations in Iowa have declined both of the last two years. Over 1,600 fewer revocations were made in 2000 than in 1998. This factor, mirrored with the lower number of alcohol-related fatalities, would indicate a drop in the incidence of impaired driving in Iowa.
- Polk County leads all counties, averaging over 2,300 OWI revocations annually. Linn County is second in OWI revocations, exceeding 1,700 revocations annually.
- Three other counties (Johnson, Woodbury and Scott) averaged over 900 OWI revocations annually.
- Forty-nine counties averaged fewer than 100 OWI revocations annually.

1998-2000 OWI REVOCATIONS BY RANK & COUNTY

<u>County</u>	<u>1998</u>	<u>1999</u>	<u>2000</u>	<u>Average</u>	<u>Rank</u>
Polk	2,549	2,250	2,137	2,312.0	1
Linn	1,713	1,712	1,701	1,708.7	2
Johnson	1,012	992	1,041	1,015.0	3
Woodbury	889	942	1,014	948.3	4
Scott	920	948	963	943.7	5
Black Hawk	951	862	704	839.0	6
Dubuque	576	621	576	591.0	7
Pottawattamie	481	549	425	485.0	8
Story	464	460	442	455.3	9
Cerro Gordo	423	372	396	397.0	10
Muscatine	375	347	356	359.3	11
Clinton	363	358	310	343.7	12
Des Moines	301	341	297	313.0	13
Webster	369	267	247	294.3	14
Wapello	286	284	257	275.7	15
Marshall	286	267	258	270.3	16
Lee	313	230	212	251.7	17
Dallas	231	218	237	228.7	18
Jasper	188	203	196	195.7	19
Tama	182	163	157	167.3	20
Marion	179	158	157	164.7	21
Warren	147	174	168	163.0	22
Buena Vista	134	177	145	152.0	23
Fayette	163	134	149	148.7	24
Crawford	146	142	151	146.3	25
Mahaska	141	160	132	144.3	26
Clay	153	170	109	144.0	27
Benton	136	154	141	143.7	28
Carroll	156	158	115	143.0	29
Boone	163	152	112	142.3	30
Sioux	126	129	161	138.7	31
Dickinson	140	136	130	135.3	32
Plymouth	125	151	129	135.0	33
Buchanan	142	133	129	134.7	34
Washington	122	132	133	129.0	35
Henry	126	127	109	120.7	36
Jones	104	137	116	119.0	37
Harrison	123	122	110	118.3	38
Bremer	127	111	114	117.3	39
Cass	106	108	121	111.7	40
Delaware	123	110	96	109.7	41
Hardin	115	102	106	107.7	42

1998-2000 OWI REVOCATIONS BY RANK & COUNTY

<u>County</u>	<u>1998</u>	<u>1999</u>	<u>2000</u>	<u>Average</u>	<u>Rank</u>
Iowa	111	118	91	106.7	43
Louisa	119	110	88	105.7	44
Cedar	94	105	116	105.0	45
Jackson	102	100	109	103.7	46
Hamilton	125	102	78	101.7	47
Winneshiek	105	102	98	101.7	47
O'Brien	105	111	85	100.3	49
Page	111	113	76	100.0	50
Poweshiek	104	104	90	99.3	51
Floyd	100	92	103	98.3	52
Wright	103	88	101	97.3	53
Clayton	104	92	94	96.7	54
Emmet	101	100	83	94.7	55
Jefferson	95	110	76	93.7	56
Montgomery	97	83	76	85.3	57
Appanoose	73	93	85	83.7	58
Keokuk	84	95	72	83.7	58
Allamakee	62	99	87	82.7	60
Mills	82	90	73	81.7	61
Monona	78	83	81	80.7	62
Cherokee	84	81	66	77.0	63
Winnebago	73	91	67	77.0	63
Chickasaw	69	79	81	76.3	65
Franklin	81	82	64	75.7	66
Palo Alto	92	70	59	73.7	67
Hancock	68	78	74	73.3	68
Guthrie	69	75	72	72.0	69
Butler	92	57	61	70.0	70
Howard	74	66	61	67.0	71
Madison	70	65	63	66.0	72
Shelby	87	59	52	66.0	72
Sac	83	63	49	65.0	74
Calhoun	78	66	49	64.3	75
Greene	66	72	52	63.3	76
Grundy	56	68	61	61.7	77
Humboldt	59	63	62	61.3	78
Kossuth	72	59	53	61.3	78
Clarke	57	62	61	60.0	80
Monroe	55	56	64	58.3	81
Ida	59	58	47	54.7	82
Union	56	68	38	54.0	83
Worth	53	60	49	54.0	83
Adair	41	56	62	53.0	85

1998-2000 OWI REVOCATIONS BY RANK & COUNTY

<u>County</u>	<u>1998</u>	<u>1999</u>	<u>2000</u>	<u>Average</u>	<u>Rank</u>
Lyon	49	51	51	50.3	86
Mitchell	35	58	46	46.3	87
Osceola	40	41	40	40.3	88
Pocahontas	42	47	30	39.7	89
Lucas	37	44	36	39.0	90
Van Buren	47	42	28	39.0	90
Davis	43	43	30	38.7	92
Fremont	34	38	32	34.7	93
Decatur	28	38	29	31.7	94
Audubon	39	30	23	30.7	95
Taylor	29	25	31	28.3	96
Wayne	34	20	20	24.7	97
Adams	23	28	19	23.3	98
Ringgold	28	19	18	21.7	99

1998-2000 SPECIAL USER GROUP FATALITIES/INJURIES
Motorcycle/Bicycle/ Pedestrian

	<u>Motorcycle</u>	<u>Bicycle</u>	<u>Pedestrian</u>
3-YR TOTAL FATALITIES	92	16	65
3-YR TOTAL INJURIES	2,356	1,517	1,853

HIGHLIGHTS:

- Iowa motorcycle fatalities for 1998-2000 averaged 30.7 annually; up 3% from the 1994-1997 average of 29.8. Average annual motorcycle injuries declined 16% over the same time period.
- Bicycle injuries for 1998-2000 averaged 506, down 33 or 6% from the 1994-1997 average of 539.
- Thirteen Iowa counties totaled more than 100 motorcycle, bicycle, and pedestrian injuries combined during 1998-2000.
- Sixty counties averaged fewer than 10 bicycle/pedestrian/ motorcycle injuries annually.

1998-2000 SPECIAL USER GROUP FATALITIES BY RANK & COUNTY

Motorcycle/Bicycle/Pedestrian

<u>County</u>	<u>Motorcycle</u>	<u>Bicycle</u>	<u>Pedestrian</u>	<u>Total Fatalities</u>	<u>Rank</u>
Polk	12	0	9	21	1
Scott	6	1	4	11	2
Linn	2	2	5	9	3
Pottawattamie	3	1	4	8	4
Story	5	0	1	6	5
Webster	1	1	4	6	5
Woodbury	2	0	4	6	5
Lee	4	0	1	5	8
Allamakee	4	0	0	4	9
Black Hawk	2	0	2	4	9
Cerro Gordo	3	0	1	4	9
Fayette	3	0	1	4	9
Jasper	2	0	2	4	9
Sioux	3	0	1	4	9
Clay	3	0	0	3	15
Dallas	0	2	1	3	15
Dubuque	3	0	0	3	15
Kossuth	1	2	0	3	15
Marion	3	0	0	3	15
Muscatine	2	0	1	3	15
Wapello	1	1	1	3	15
Appanoose	1	0	1	2	22
Boone	1	0	1	2	22
Chickasaw	0	1	1	2	22
Clinton	0	1	1	2	22
Delaware	1	0	1	2	22
Dickinson	1	0	1	2	22
Grundy	1	0	1	2	22
Harrison	1	0	1	2	22
Jefferson	1	0	1	2	22
Johnson	2	0	0	2	22
Jones	1	0	1	2	22
Lucas	0	0	2	2	22
Lyon	2	0	0	2	22
Monona	2	0	0	2	22
Sac	2	0	0	2	22
Warren	0	0	2	2	22
Adams	0	0	1	1	38
Buchanan	0	0	1	1	38
Buena Vista	0	0	1	1	38
Cass	1	0	0	1	38

1998-2000 SPECIAL USER GROUP FATALITIES BY RANK & COUNTY

Motorcycle/Bicycle/Pedestrian

<u>County</u>	<u>Motorcycle</u>	<u>Bicycle</u>	<u>Pedestrian</u>	<u>Total Fatalities</u>	<u>Rank</u>
Clayton	0	0	1	1	38
Crawford	0	1	0	1	38
Decatur	1	0	0	1	38
Des Moines	0	1	0	1	38
Emmet	0	0	1	1	38
Hardin	1	0	0	1	38
Henry	1	0	0	1	38
Humboldt	1	0	0	1	38
Jackson	0	1	0	1	38
Madison	1	0	0	1	38
Mahaska	0	0	1	1	38
Marshall	0	0	1	1	38
Mills	1	0	0	1	38
Mitchell	0	0	1	1	38
Page	1	0	0	1	38
Poweshiek	0	1	0	1	38
Tama	1	0	0	1	38
Van Buren	1	0	0	1	38
Washington	1	0	0	1	38
Adair	0	0	0	0	62
Audubon	0	0	0	0	62
Benton	0	0	0	0	62
Bremer	0	0	0	0	62
Butler	0	0	0	0	62
Calhoun	0	0	0	0	62
Cedar	0	0	0	0	62
Cherokee	0	0	0	0	62
Clarke	0	0	0	0	62
Davis	0	0	0	0	62
Floyd	0	0	0	0	62
Franklin	0	0	0	0	62
Fremont	0	0	0	0	62
Greene	0	0	0	0	62
Guthrie	0	0	0	0	62
Hamilton	0	0	0	0	62
Hancock	0	0	0	0	62
Howard	0	0	0	0	62
Ida	0	0	0	0	62
Iowa	0	0	0	0	62
Keokuk	0	0	0	0	62
Louisa	0	0	0	0	62
Monroe	0	0	0	0	62

1998-2000 SPECIAL USER GROUP FATALITIES BY RANK & COUNTY

Motorcycle/Bicycle/Pedestrian

<u>County</u>	<u>Motorcycle</u>	<u>Bicycle</u>	<u>Pedestrian</u>	<u>Total Fatalities</u>	<u>Rank</u>
Montgomery	0	0	0	0	62
O'Brien	0	0	0	0	62
Osceola	0	0	0	0	62
Palo Alto	0	0	0	0	62
Plymouth	0	0	0	0	62
Pocahontas	0	0	0	0	62
Ringgold	0	0	0	0	62
Shelby	0	0	0	0	62
Taylor	0	0	0	0	62
Union	0	0	0	0	62
Wayne	0	0	0	0	62
Winnebago	0	0	0	0	62
Winneshiek	0	0	0	0	62
Worth	0	0	0	0	62
Wright	0	0	0	0	62

1998-2000 SPECIAL USER GROUP INJURIES BY RANK & COUNTY

Motorcycle/Bicycle/Pedestrian

<u>County</u>	<u>Motorcycle</u>	<u>Bicycle</u>	<u>Pedestrian</u>	<u>Total Injuries</u>	<u>Rank</u>
Polk	285	225	393	903	1
Scott	163	110	133	406	2
Pottawattamie	111	97	99	307	3
Linn	117	77	111	305	4
Woodbury	88	70	139	297	5
Johnson	102	97	78	277	6
Black Hawk	85	84	87	256	7
Dubuque	86	59	71	216	8
Story	65	57	45	167	9
Clinton	46	40	47	133	10
Cerro Gordo	43	39	27	109	11
Webster	48	23	36	107	12
Marshall	36	32	36	104	13
Jasper	35	18	28	81	14
Lee	48	12	19	79	15
Muscatine	25	25	28	78	16
Wapello	35	14	24	73	17
Des Moines	35	18	15	68	18
Marion	26	23	18	67	19
Mahaska	29	15	14	58	20
Sioux	28	13	15	56	21
Warren	27	12	12	51	22
Boone	27	10	10	47	23
Plymouth	23	9	13	45	24
Clayton	33	1	8	42	25
Harrison	29	6	6	41	26
Washington	22	13	6	41	26
Clay	17	12	10	39	28
Winneshiek	17	10	11	38	29
Fayette	18	8	10	36	30
Buchanan	12	10	13	35	31
Emmet	20	5	10	35	31
Jackson	19	7	9	35	31
Montgomery	13	11	9	33	34
Poweshiek	16	6	11	33	34
Dickinson	9	8	14	31	36
Benton	14	4	12	30	37
Buena Vista	7	16	7	30	37
Hamilton	15	9	6	30	37
Bremer	14	10	5	29	40
Dallas	13	7	9	29	40

1998-2000 SPECIAL USER GROUP INJURIES BY RANK & COUNTY

Motorcycle/Bicycle/Pedestrian

<u>County</u>	<u>Motorcycle</u>	<u>Bicycle</u>	<u>Pedestrian</u>	<u>Total Injuries</u>	<u>Rank</u>
Jones	18	4	6	28	42
Crawford	14	4	8	26	43
Delaware	13	10	3	26	43
Jefferson	13	11	2	26	43
O'Brien	14	6	6	26	43
Cedar	17	4	4	25	47
Cherokee	12	5	8	25	47
Henry	14	5	6	25	47
Allamakee	19	1	4	24	50
Humboldt	14	8	2	24	50
Page	10	11	3	24	50
Carroll	5	6	11	22	53
Cass	13	3	6	22	53
Grundy	18	2	2	22	53
Winnebago	10	3	9	22	53
Madison	7	3	11	21	57
Kossuth	13	5	2	20	58
Wright	9	5	6	20	58
Floyd	9	8	2	19	60
Chickasaw	12	3	3	18	61
Greene	9	2	6	17	62
Hardin	8	5	4	17	62
Tama	12	3	2	17	62
Clarke	4	8	4	16	65
Mills	7	5	3	15	66
Monroe	3	7	5	15	66
Union	6	5	4	15	66
Lucas	3	4	7	14	69
Shelby	6	5	3	14	69
Hancock	4	3	6	13	71
Monona	7	3	3	13	71
Sac	8	3	2	13	71
Calhoun	9	1	2	12	74
Iowa	11	1	0	12	74
Ringgold	8	2	2	12	74
Guthrie	5	1	5	11	77
Louisa	10	0	1	11	77
Palo Alto	4	6	1	11	77
Appanoose	3	2	5	10	80
Franklin	5	2	3	10	80
Lyon	8	1	1	10	80
Mitchell	3	2	5	10	80

1998-2000 SPECIAL USER GROUP INJURIES BY RANK & COUNTY

Motorcycle/Bicycle/Pedestrian

<u>County</u>	<u>Motorcycle</u>	<u>Bicycle</u>	<u>Pedestrian</u>	<u>Total Injuries</u>	<u>Rank</u>
Davis	6	1	2	9	84
Howard	5	1	3	9	84
Fremont	3	2	3	8	86
Ida	4	3	1	8	86
Keokuk	5	1	2	8	86
Butler	4	2	1	7	89
Adair	4	1	1	6	90
Van Buren	4	1	1	6	90
Adams	3	1	1	5	92
Audubon	3	2	0	5	92
Decatur	5	0	0	5	92
Pocahontas	2	1	2	5	92
Worth	3	0	2	5	92
Osceola	3	0	1	4	97
Wayne	3	0	1	4	97
Taylor	1	1	0	2	99

PROBLEM IDENTIFICATION - COMPOSITE RANKING

The composite ranking reflects the overall magnitude of the highway safety problem in a given county in comparison to the other 98 counties in the State of Iowa. Because federal 402 funds for highway safety programs are limited and have been reduced substantially since the 1970s, it has been and continues to be necessary to determine a cutoff point for 402 program eligibility.

The top 22 counties in the composite ranking represent just over one-fifth or 22% of all of Iowa's counties yet they represent:

- Sixty-seven percent (67%) of Iowa's total population.
- Forty-seven percent (47%) of all traffic fatalities in the State.
- Forty-five percent (45%) of all alcohol-related traffic fatalities over the past three years.
- Seventy percent (70%) of all personal injuries, 64% of all serious traffic injuries, and 64% of all alcohol-related traffic injuries in the State.
- Sixty percent (60%) of all Vehicle Miles Traveled in Iowa over the past three years.
- Sixty-four percent (64%) of the OWI revocations that occur in Iowa each year.
- Nearly 75% of all bicycle, pedestrian and motorcycle fatalities and injuries each year.
- Historically, the top 22 counties in the statewide composite problem identification ranking have been eligible for 402 highway safety funds.
- Federal fiscal constraints continue to increase, making it impractical to exceed eligibility beyond the top 22 counties.

For these reasons, the top 22 counties will remain eligible for federal highway safety program funds during the fiscal 2002 funding period.

This does not preclude the remaining counties from working with the Governor's Traffic Safety Bureau. Our office offers a vast array of traffic safety education materials, staff experienced in alcohol and drug education training which includes a variety of youth/alcohol programs, seat belt and child restraint education, traffic and accident statistics as well as a wide range of other highway safety related services.

In addition, the GTSB utilizes non-402 federal highway safety funds to support special enforcement initiatives such as the Section 157 Occupant Protection Incentive Grant. All law enforcement agencies in Iowa with at least one full-time officer are eligible for this program, which currently involves 39 sheriffs' offices, 93 local police departments and the Iowa State Patrol in a total of 76 Iowa counties during the current year. A similar program will continue this effort when the current program year expires September 30, 2002.

Along with the services noted, counties not directly eligible for 402 funding do benefit from 402 expenditures in the State. Over 50% of federal highway safety program dollars spent in Iowa are invested in programs that benefit the entire State. Training programs offered through the Prosecuting Attorney's Training Council, the Iowa Supreme Court, the Iowa Law Enforcement Academy and the Iowa State University are good examples. The Governor's Traffic Safety Bureau also provides a variety of traffic safety brochures and informational items to any group or individual in the state requesting materials to promote traffic safety.

We actively encourage interested citizens, educators, law enforcement personnel, traffic engineers, county, judicial, health and social service professionals, government, community and business leaders, and any other interested persons to contact our office with their traffic safety questions and requests.

PROBLEM IDENTIFICATION COMPOSITE RANKING BY COUNTY

<u>County</u>	Motorcycle								<u>Overall Rank</u>	<u>Average Rank</u>
	<u>Fatals</u>	<u>A/R Fatals</u>	<u>Total Injury</u>	<u>A/R Injury</u>	<u>Major Injury</u>	<u>VMT</u>	<u>OWI Revokes</u>	<u>Bike/Ped Inj/Fatals</u>		
Polk	1	1	1	1	1	1	1	1	1	1.0
Scott	4	3	2	2	2	3	5	2	2	2.9
Linn	3	8	3	3	3	2	2	3	3	3.4
Pottawattamie	2	4	6	5	6	4	8	3	4	4.8
Black Hawk	6	2	5	4	4	6	6	7	5	5.0
Woodbury	8	7	4	7	5	7	4	5	6	5.9
Johnson	5	4	7	8	7	5	3	13	7	6.5
Story	7	19	9	13	9	8	9	6	8	10.0
Cerro Gordo	11	13	11	11	11	12	10	9	9	11.0
Dubuque	17	37	8	5	8	9	7	10	10	12.6
Webster	10	13	12	17	10	18	14	8	11	12.8
Muscatine	17	9	14	12	18	19	11	15	12	14.4
Clinton	14	37	10	9	12	15	12	16	13	15.6
Dallas	12	9	20	24	20	11	18	25	14	17.4
Lee	32	9	17	16	21	23	17	10	15	18.1
Jasper	13	52	19	19	13	10	19	10	16	19.4
Warren	8	37	18	23	14	13	22	21	17	19.5
Wapello	38	37	13	10	15	24	15	16	18	21.0
Marshall	21	52	15	14	16	21	16	24	19	22.4
Marion	41	20	21	22	17	28	21	18	20	23.5
Des Moines	53	28	16	18	23	22	13	26	21	24.9
Fayette	20	20	37	41	29	40	24	19	22	28.8
Boone	32	28	25	43	22	30	30	22	23	29.0
Poweshiek	21	37	29	30	19	17	51	38	24	30.3
Clayton	14	4	46	21	37	40	54	30	25	30.8
Mahaska	36	37	22	38	26	37	26	27	26	31.1
Washington	21	20	35	33	41	34	35	31	27	31.3
Henry	17	28	28	27	28	44	36	44	28	31.5
Clay	57	20	26	26	34	48	27	20	29	32.3
Sioux	14	91	24	25	31	29	31	14	30	32.4
Harrison	21	37	38	43	36	27	38	23	31	32.9
Iowa	21	16	38	28	26	16	43	80	32	33.5
Jackson	32	13	44	31	29	51	46	35	33	35.1
Plymouth	21	75	22	20	35	31	33	45	34	35.3
Buena Vista	36	28	30	29	46	55	23	40	35	35.9
Buchanan	41	28	42	37	38	33	34	35	36	36.0
Delaware	29	16	51	45	40	42	41	33	37	37.1
Jones	21	16	54	62	41	45	37	31	38	38.4
Bremer	32	20	33	49	41	36	39	60	39	38.8
Winneshiek	53	52	27	15	24	46	47	48	40	39.0
Tama	38	20	44	51	44	43	20	58	41	39.8

PROBLEM IDENTIFICATION COMPOSITE RANKING BY COUNTY

<u>County</u>	<u>Fatals</u>	A/R		Total		A/R		Major		OWI		Motorcycle	<u>Overall Rank</u>	<u>Average Rank</u>
		<u>Fatals</u>	<u>Fatals</u>	<u>Injury</u>	<u>Injury</u>	<u>Injury</u>	<u>VMT</u>	<u>Revokes</u>	<u>Revokes</u>	<u>Inj/Fatals</u>				
Carroll	41	37	36	39	52	47	29	48	43	41.1				
Crawford	21	75	52	51	48	52	25	42	44	45.8				
Hamilton	63	91	31	40	25	20	47	56	45	46.6				
Cedar	46	52	40	62	50	14	45	65	46	46.8				
Cass	72	91	41	34	38	25	40	48	47	48.6				
Dickinson	63	75	34	49	59	50	32	27	47	48.6				
Allamakee	53	20	64	35	65	71	60	29	49	49.6				
Hardin	57	52	50	48	49	54	42	58	50	51.3				
Kossuth	46	37	47	56	57	53	78	39	51	51.6				
Floyd	46	52	43	46	59	61	52	70	52	53.6				
Appanoose	83	52	48	31	32	72	58	60	53	54.5				
Mills	57	52	59	51	62	38	61	63	54	55.4				
Wright	38	28	69	60	68	62	53	69	55	55.9				
Keokuk	29	20	84	60	57	66	58	89	56	57.9				
Grundy	46	52	67	58	72	60	77	40	57	59.0				
Montgomery	46	28	77	51	88	83	57	55	58	60.6				
Chickasaw	63	28	75	83	72	63	65	43	59	61.5				
Page	63	75	61	71	62	64	50	46	59	61.5				
Monona	78	52	72	70	71	39	62	52	61	62.0				
Madison	83	52	62	51	52	74	72	54	62	62.5				
Sac	29	52	71	92	65	68	74	52	63	62.9				
Calhoun	63	37	73	46	62	72	75	80	64	63.5				
O'Brien	87	75	55	64	52	65	49	64	65	63.9				
Jefferson	87	91	48	88	46	67	56	33	66	64.5				
Humboldt	83	52	57	75	55	76	78	46	67	65.3				
Decatur	41	9	87	83	82	56	94	76	68	66.0				
Franklin	72	91	56	78	45	35	66	86	69	66.1				
Cherokee	78	75	53	57	69	70	63	65	70	66.3				
Butler	46	37	66	83	79	59	70	92	71	66.5				
Lucas	46	28	87	75	76	86	90	48	72	67.0				
Greene	78	37	65	75	70	79	76	71	73	68.9				
Adair	57	91	67	69	65	32	85	93	74	69.9				
Fremont	63	52	80	59	75	49	93	89	75	70.0				
Hancock	93	91	70	41	51	69	68	79	76	70.3				
Lyon	78	52	76	73	59	79	86	60	77	70.4				
Union	72	52	63	66	82	76	83	73	78	70.9				
Mitchell	72	37	79	64	81	84	87	68	79	71.5				
Clarke	63	75	57	93	76	57	80	72	80	71.6				
Howard	72	37	81	72	72	87	71	87	81	72.4				
Davis	53	37	83	83	55	90	92	87	82	72.5				
Shelby	57	75	74	95	76	76	72	78	84	75.4				

PROBLEM IDENTIFICATION COMPOSITE RANKING BY COUNTY

<u>County</u>	<u>Fatals</u>	A/R	Total	A/R	Major	<u>VMT</u>	OWI	Motorcycle	<u>Overall Rank</u>	<u>Average Rank</u>
		<u>Fatals</u>	<u>Injury</u>	<u>Injury</u>	<u>Injury</u>		<u>Revokes</u>	<u>Bike/Ped Inj/Fatals</u>		
Louisa	97	75	77	66	89	75	44	83	85	75.8
Winnebago	87	52	90	68	97	91	63	67	86	76.9
Guthrie	93	52	85	88	82	85	69	83	87	79.6
Pocahontas	57	52	93	97	80	81	89	94	88	80.4
Palo Alto	83	75	86	83	85	82	67	83	89	80.5
Worth	97	75	90	73	90	58	83	94	90	82.5
Monroe	93	75	82	79	94	89	81	73	91	83.3
Osceola	63	52	96	88	97	93	88	97	92	84.3
Van Buren	78	75	87	95	85	94	90	73	93	84.6
Taylor	63	52	98	94	92	99	96	99	94	86.6
Ida	87	75	90	82	97	92	82	89	95	86.8
Wayne	72	52	97	91	94	95	97	97	96	86.9
Adams	87	52	99	99	96	98	98	76	97	88.1
Audubon	93	75	94	79	90	96	95	94	98	89.5
Ringgold	99	91	95	97	92	97	99	80	99	93.8

IOWA'S TOP 22 PROBLEM IDENTIFICATION COUNTIES

BLACK HAWK

CERRO GORDO

CLINTON

DALLAS

DES MOINES

DUBUQUE

FAYETTE

JASPER

JOHNSON

LEE

LINN

MARION

MARSHALL

MUSCATINE

POLK

POTTAWATTAMIE

SCOTT

STORY

WAPELLO

WARREN

WEBSTER

WOODBURY

January 18, 2002

TOP 22 PROBLEM COUNTIES & CITIES

(cities with populations of 5,000 or more)

1/18/02

<u>COUNTY</u>	<u>CITY</u>
BLACK HAWK	CEDAR FALLS WATERLOO
CERRO GORDO	CLEAR LAKE MASON CITY
CLINTON	CLINTON
DALLAS	PERRY
DES MOINES	BURLINGTON
DUBUQUE	DUBUQUE
FAYETTE	OELWEIN
JASPER	NEWTON
JOHNSON	CORALVILLE IOWA CITY
LEE	FORT MADISON KEOKUK
LINN	CEDAR RAPIDS HI AWATHA MARI ON
MARI ON	KNOXVILLE PELLA
MARSHALL	MARSHALLTOWN
MUSCATINE	MUSCATINE
POLK	ALTOONA ANKENY CLIVE DES MOINES JOHNSTON URBANDALE WEST DES MOINES WINDSOR HEIGHTS
POTTAWATTAMIE	COUNCIL BLUFFS
SCOTT	BETTENDORF DAVENPORT
STORY	AMES NEVADA
WAPELLO	OTTUMWA
WARREN	INDIANOLA NORWALK
WEBSTER	FORT DODGE
WOODBURY	SI OUX CI TY

TOP 22 PROBLEM IDENTIFICATION COUNTIES

FFY 2002

BLACK HAWK
BOONE
CERRO GORDO
CLINTON
DALLAS
DES MOINES
DUBUQUE
JASPER
JOHNSON
LEE
LINN
MARION
MARSHALL
MUSCATINE
POLK
POTTAWATTAMIE
SCOTT
STORY
WAPELLO
WARREN
WEBSTER
WOODBURY

FFY 2003

BLACK HAWK
CERRO GORDO
CLINTON
DALLAS
DES MOINES
DUBUQUE
FAYETTE
JASPER
JOHNSON
LEE
LINN
MARION
MARSHALL
MUSCATINE
POLK
POTTAWATTAMIE
SCOTT
STORY
WAPELLO
WARREN
WEBSTER
WOODBURY