

IOWA

PROBLEM IDENTIFICATION



FOR FEDERAL 402 & 410
STATE AND COMMUNITY
HIGHWAY SAFETY PROGRAMS

FFY 2011



Governor's Traffic Safety Bureau
Iowa Department of Public Safety
February, 2010

PROBLEM IDENTIFICATION

Introduction

Each year, traffic crashes in the United States result in nearly 300,000 deaths and serious injuries. In 2008 alone, traffic crashes cost the nation an estimated \$230 billion, nine 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 2009, the estimated total is 372, a reduction of nearly 60%. This figure compares very favorably to the national highway fatality reduction of approximately 30% over the same time period. The current five-year fatality average for Iowa is 424, which is down about 5% from the 1999-2003 average of 446.

Alcohol-related fatalities in Iowa totaled 81 in 2008. This figure is down more than 25% from the 2007 total of 111. Twenty percent of all 2008 Iowa traffic deaths were alcohol-related. Iowa's current statewide safety belt use rate of 93% ranks us among the top ten states in the nation. The 2009 statewide child restraint use survey shows a 93% usage rate. Despite the fact that Iowa figures compare favorably to national averages of 35% alcohol-related fatalities and 83% 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 crashes, drivers involved occupant restraint status, causative factors, road systems, 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 Iowa's 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 a significant problem on today's roads; other important traffic safety concerns play an important part in the current problem identification approach.

Legislative initiatives, education, public awareness and widespread acceptance have combined to increase the importance of occupant restraints as a 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 crashes. Distracted driving has also become a major issue. Factors such as vehicle miles traveled and enforcement of OWI laws play important parts in the comprehensive evaluation of traffic safety problems. Of primary importance 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 the 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 2006 through 2008 for all data elements.

While the ranking of key crash-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 crash 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 factors. Rural, urban, suburban classifications of injury/fatality crash locations, belt status of crash vehicle occupant, driver impairment, speed, stop sign or other violations related to the crash may also be important variables in further defining highway collision problems in a given county or community and in the selection of cost effective countermeasures to address these problems.

Section 410 – Alcohol Incentive Program

Iowa has had a Section 410 program since 1995. SAFETEA-LU legislation has consolidated all impaired driving funding under the Section 410 umbrella, making it possible for the GTSB to expand eligibility for this important program. In addition to all communities in Iowa's Top 22 problem counties, Section 410 funds are available to sheriffs' offices and communities of 5,000 population or more in 18 additional counties. Section 410 eligibility is based on a county's relative ranking in three critical areas: alcohol/impaired driving fatalities, injuries and OWI revocations. These counties are listed along with a map noting the eligible counties at the end of this document.

Program Eligibility for Other GTSB-funded Programs

During the mid 1990s, Iowa was one of a handful of states which piloted a new initiative designed to influence seat belt education, enforcement and compliance at the community level. This program, known as sSTEP (special Traffic Enforcement Program), became statewide in 1999 with the advent of Section 157 funds. All Iowa law enforcement agencies not funded under either Section 402 or 410 are invited to participate in sSTEP, which is now supported with Section 406 safety belt incentive monies. Iowa is one of very few states that have a program under which all law enforcement agencies are eligible.

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 is available from the Iowa DOT and can be accessed at their website www.dot.state.ia.us/mvd/ods/index.htm. A wealth of other driver behavior related crash data is also available at this site. Location based data can be found at www.ctre.iastate.edu/itsds.

2006-2008 IOWA TRAFFIC FATALITIES & FATAL CRASHES

	<u>2006</u>	<u>2007</u>	<u>2008</u>	<u>% of Change 2006-2008</u>
TOTAL FATALITIES	439	446	412	-6.2%
TOTAL FATAL CRASHES	386	393	368	-4.4%

HIGHLIGHTS:

- Polk County has the highest number of traffic fatalities in Iowa averaging 35 deaths per year for 2006-2008.
- Black Hawk, Johnson, Scott, Linn and Pottawattamie counties all averaged more than 10 fatalities for 2006-2008.
- A total of 28 Iowa counties averaged 5 or more traffic fatalities per year during 2006-2008.
- Twenty-one Iowa counties averaged fewer than 2 traffic fatalities per year during 2006-2008.
- Emmet was the only Iowa county with no traffic deaths during 2006-2008.

2006-2008 FATALITIES BY RANK & COUNTY

<u>County</u>	<u>2006</u>	<u>2007</u>	<u>2008</u>	<u>Average</u>	<u>Rank</u>
Polk	39	32	34	35.0	1
Pottawattamie	13	13	25	17.0	2
Linn	20	16	12	16.0	3
Scott	16	18	9	14.3	4
Johnson	8	12	14	11.3	5
Black Hawk	10	10	13	11.0	6
Jasper	8	8	13	9.7	7
Boone	10	13	5	9.3	8
Woodbury	6	9	13	9.3	8
Webster	3	16	7	8.7	10
Dubuque	8	9	7	8.0	11
Warren	9	5	8	7.3	12
Des Moines	8	5	8	7.0	13
Poweshiek	4	5	12	7.0	13
Marshall	7	4	9	6.7	15
Benton	10	2	7	6.3	16
Sioux	7	8	4	6.3	16
Cerro Gordo	5	8	5	6.0	18
Clinton	4	11	3	6.0	18
Lee	9	5	4	6.0	18
Story	6	12	0	6.0	18
Hamilton	6	5	6	5.7	22
Clayton	4	5	7	5.3	23
Dallas	5	9	2	5.3	23
Appanoose	8	4	3	5.0	25
Cherokee	10	3	2	5.0	25
Marion	8	2	5	5.0	25
Muscatine	2	2	11	5.0	25
Clay	5	7	2	4.7	29
Plymouth	0	12	2	4.7	29
Clarke	6	2	5	4.3	31
Iowa	3	7	3	4.3	31
Sac	3	8	2	4.3	31
Wapello	5	5	3	4.3	31
Winneshiek	5	6	2	4.3	31
Buchanan	2	3	7	4.0	36
Louisa	4	4	4	4.0	36
Mills	6	4	2	4.0	36
Buena Vista	4	3	4	3.7	39
Butler	4	2	5	3.7	39
Fayette	4	5	2	3.7	39
Grundy	5	5	1	3.7	39
Jefferson	6	5	0	3.7	39
Keokuk	4	5	2	3.7	39
Mahaska	5	2	4	3.7	39
Carroll	3	6	1	3.3	46
Harrison	4	2	4	3.3	46
Ida	1	2	7	3.3	46
Jackson	3	5	2	3.3	46
O'Brien	5	2	3	3.3	46

2006-2008 FATALITIES BY RANK & COUNTY

<u>County</u>	<u>2006</u>	<u>2007</u>	<u>2008</u>	<u>Average</u>	<u>Rank</u>
Tama	1	8	1	3.3	46
Wright	4	6	0	3.3	46
Cedar	3	3	3	3.0	53
Decatur	6	2	1	3.0	53
Fremont	4	1	4	3.0	53
Hardin	3	4	2	3.0	53
Howard	5	3	1	3.0	53
Monona	3	2	4	3.0	53
Palo Alto	2	4	3	3.0	53
Union	2	4	3	3.0	53
Washington	1	5	3	3.0	53
Allamakee	4	1	3	2.7	62
Delaware	5	1	2	2.7	62
Franklin	2	1	5	2.7	62
Henry	1	3	4	2.7	62
Jones	3	1	4	2.7	62
Montgomery	2	1	5	2.7	62
Cass	2	3	2	2.3	68
Davis	0	5	2	2.3	68
Dickinson	3	1	3	2.3	68
Floyd	4	1	2	2.3	68
Greene	3	0	4	2.3	68
Guthrie	4	1	2	2.3	68
Kossuth	4	0	3	2.3	68
Lucas	1	3	3	2.3	68
Worth	3	3	1	2.3	68
Lyon	4	2	0	2.0	77
Shelby	0	1	5	2.0	77
Chickasaw	4	1	0	1.7	79
Crawford	2	1	2	1.7	79
Humboldt	2	1	2	1.7	79
Adair	1	0	3	1.3	82
Bremer	0	3	1	1.3	82
Calhoun	2	1	1	1.3	82
Hancock	1	1	2	1.3	82
Madison	1	2	1	1.3	82
Mitchell	0	2	2	1.3	82
Monroe	0	2	2	1.3	82
Osceola	2	1	1	1.3	82
Van Buren	1	1	2	1.3	82
Audubon	0	2	1	1.0	91
Page	1	1	1	1.0	91
Ringgold	1	1	0	0.7	93
Winnebago	0	2	0	0.7	93
Adams	0	0	1	0.3	95
Pocahontas	1	0	0	0.3	95
Taylor	0	0	1	0.3	95
Wayne	1	0	0	0.3	95
Emmet	0	0	0	0.0	99

2006-2008 IOWA ALCOHOL FATALITIES

	<u>2006</u>	<u>2007</u>	<u>2008</u>	% of Change <u>2006-2008</u>
NO. OF ALCOHOL-RELATED FATALITIES	104	111	81	-22.1%
% OF ALL FATALITIES	23.7%	21.6%	19.7%	-4.0%

HIGHLIGHTS:

- The three-year average for alcohol-related fatalities (2006-2008) in Iowa is 99, up 4% from the 2003-2005 average of 95.
- Alcohol-related fatalities have been drastically reduced since 1990, declining over 50% from 1990 to 2008.
- Polk County has the most alcohol-related fatalities averaging 9.0 alcohol-related fatalities per year. Scott and Pottawattamie county have the next highest numbers with a three-year average of 5.7.
- Only four counties averaged four or more alcohol-related fatalities per year with three additional counties averaging three or more fatalities per year.
- Ninety-two Iowa counties averaged less than three alcohol-related fatalities per year.
- Twenty-one counties had no alcohol-related fatalities in the 2006 through 2008 period.

2006-2008 ALCOHOL FATALITIES BY RANK & COUNTY

<u>County</u>	<u>2006</u>	<u>2007</u>	<u>2008</u>	<u>Average</u>	<u>Rank</u>
Polk	11	11	5	9.0	1
Pottawattamie	4	7	6	5.7	2
Scott	5	8	4	5.7	2
Black Hawk	5	6	1	4.0	4
Woodbury	3	4	4	3.7	5
Story	3	7	0	3.3	6
Linn	3	3	3	3.0	7
Benton	3	0	4	2.3	8
Des Moines	5	0	2	2.3	8
Dubuque	3	2	2	2.3	8
Appanoose	2	2	2	2.0	11
Jasper	0	0	6	2.0	12
Clay	4	0	1	1.7	13
Howard	4	1	0	1.7	13
Lee	3	2	0	1.7	13
Marshall	1	0	4	1.7	13
Monona	2	2	1	1.7	13
Plymouth	0	4	1	1.7	13
Webster	1	3	1	1.7	13
Allamakee	2	1	1	1.3	20
Buena Vista	1	3	0	1.3	20
Clarke	2	0	2	1.3	20
Clinton	1	3	0	1.3	20
Hamilton	2	1	1	1.3	20
Lyon	2	2	0	1.3	20
Sioux	2	1	1	1.3	20
Winneshiek	0	4	0	1.3	20
Boone	3	0	0	1.0	28
Carroll	1	2	0	1.0	28
Cerro Gordo	2	1	0	1.0	28
Clayton	1	0	2	1.0	31
Dallas	1	2	0	1.0	31
Greene	2	0	1	1.0	31
Henry	0	2	1	1.0	31
Humboldt	1	1	1	1.0	31
Johnson	1	0	2	1.0	31
Mills	1	2	0	1.0	31
Washington	1	0	2	1.0	31
Worth	1	2	0	1.0	31
Buchanan	0	1	1	0.7	40
Cedar	1	1	0	0.7	40
Fayette	1	1	0	0.7	40
Hancock	1	1	0	0.7	40
Harrison	1	1	0	0.7	40
Ida	1	0	1	0.7	40
Jackson	0	2	0	0.7	40
Jones	0	0	2	0.7	40
Mahaska	1	1	0	0.7	40
Marion	0	1	1	0.7	40
Muscatine	0	0	2	0.7	40

2006-2008 ALCOHOL FATALITIES BY RANK & COUNTY

<u>County</u>	<u>2006</u>	<u>2007</u>	<u>2008</u>	<u>Average</u>	<u>Rank</u>
O'Brien	1	1	0	0.7	40
Osceola	1	1	0	0.7	40
Shelby	0	1	1	0.7	40
Tama	0	2	0	0.7	40
Wapello	1	0	1	0.7	40
Warren	1	0	1	0.7	40
Butler	0	1	0	0.3	57
Calhoun	1	0	0	0.3	57
Cass	1	0	0	0.3	57
Cherokee	0	0	1	0.3	57
Crawford	0	0	1	0.3	57
Delaware	1	0	0	0.3	57
Dickinson	1	0	0	0.3	57
Floyd	0	0	1	0.3	57
Grundy	0	1	0	0.3	57
Hardin	1	0	0	0.3	57
Iowa	0	1	0	0.3	57
Jefferson	0	1	0	0.3	57
Kossuth	0	0	1	0.3	57
Louisa	0	1	0	0.3	57
Lucas	0	0	1	0.3	57
Madison	0	0	1	0.3	57
Mitchell	0	0	1	0.3	57
Page	0	1	0	0.3	57
Poweshiek	0	0	1	0.3	57
Van Buren	0	0	1	0.3	57
Winnebago	0	1	0	0.3	57
Wright	0	1	0	0.3	57
Adair	0	0	0	0.0	79
Adams	0	0	0	0.0	79
Audubon	0	0	0	0.0	79
Bremer	0	0	0	0.0	79
Chickasaw	0	0	0	0.0	79
Davis	0	0	0	0.0	79
Decatur	0	0	0	0.0	79
Emmet	0	0	0	0.0	79
Franklin	0	0	0	0.0	79
Fremont	0	0	0	0.0	79
Guthrie	0	0	0	0.0	79
Keokuk	0	0	0	0.0	79
Monroe	0	0	0	0.0	79
Montgomery	0	0	0	0.0	79
Palo Alto	0	0	0	0.0	79
Pocahontas	0	0	0	0.0	79
Ringgold	0	0	0	0.0	79
Sac	0	0	0	0.0	79
Taylor	0	0	0	0.0	79
Union	0	0	0	0.0	79
Wayne	0	0	0	0.0	79

2006-2008 IOWA TRAFFIC INJURIES

<u>2006</u>	<u>2007</u>	<u>2008</u>	<u>% of Change 2006-2008</u>
23,497	26,478	22,204	-5.5%

HIGHLIGHTS:

- Overall, traffic injuries decreased from 2006 to 2008, falling by nearly 1,300 or 5.5%.
- Polk County has the most traffic injuries, averaging over 4,000 per year.
- Polk, Scott, Linn and Black Hawk counties each averaged 1,000 or more injuries per year while Johnson, Dubuque, Pottawattamie and Woodbury counties averaged 700 or more traffic injuries annually.
- Sixty-eight Iowa counties averaged less than 150 injuries per year.
- On an average day, more than 60 Iowans are injured in traffic crashes on our state's streets and highways.

2006-2008 TOTAL INJURIES BY RANK & COUNTY

<u>County</u>	<u>2006</u>	<u>2007</u>	<u>2008</u>	<u>Average</u>	<u>Rank</u>
Polk	4,455	4,255	3,539	4,083	1
Scott	1,813	1,808	1,695	1,772	2
Linn	1,408	1,388	1,433	1,410	3
Black Hawk	986	1,116	1,054	1,052	4
Pottawattamie	863	1,053	998	971	5
Woodbury	843	988	867	899	6
Johnson	702	949	865	839	7
Dubuque	700	834	659	731	8
Story	533	675	529	579	9
Warren	496	634	346	492	10
Clinton	472	580	396	483	11
Cerro Gordo	413	471	429	438	12
Wapello	372	376	376	375	13
Webster	374	418	309	367	14
Des Moines	337	430	291	353	15
Dallas	331	366	290	329	16
Marshall	294	369	264	309	17
Muscatine	276	296	269	280	18
Jasper	234	295	251	260	19
Sioux	215	284	274	258	20
Lee	207	333	193	244	21
Marion	210	284	227	240	22
Plymouth	200	204	164	189	23
Boone	159	227	144	177	24
Harrison	142	216	167	175	25
Mahaska	160	157	172	163	26
Bremer	121	244	120	162	27
Clay	170	175	123	156	28
Henry	141	232	91	155	29
Iowa	117	203	143	154	30
Hamilton	134	155	165	151	31
Buchanan	144	157	143	148	32
Poweshiek	141	149	143	144	33
Winneshiek	152	140	138	143	34
Dickinson	146	162	118	142	35
Cedar	97	199	127	141	36
Hardin	135	178	106	140	37
Jones	115	196	107	139	38
Tama	109	171	137	139	38
Washington	107	167	143	139	38
Buena Vista	119	164	120	134	41
Page	128	160	107	132	42
Benton	122	137	130	130	43
Jefferson	121	123	143	129	44
Clayton	106	149	127	127	45
Appanoose	127	127	118	124	46
Crawford	123	136	112	124	46
Delaware	94	150	125	123	48
Mills	133	107	110	117	49
Clarke	116	125	103	115	50

2006-2008 TOTAL INJURIES BY RANK & COUNTY

<u>County</u>	<u>2006</u>	<u>2007</u>	<u>2008</u>	<u>Average</u>	<u>Rank</u>
Fayette	98	120	115	111	51
Franklin	83	153	90	109	52
Grundy	83	127	112	107	53
Floyd	87	124	92	101	54
Kossuth	81	110	102	98	55
Cherokee	112	92	86	97	56
Monona	79	115	95	96	57
Carroll	102	82	102	95	58
Cass	76	126	73	92	59
Fremont	106	91	78	92	59
Union	107	85	83	92	59
O'Brien	81	96	97	91	62
Jackson	109	91	73	91	62
Louisa	66	127	63	85	64
Wright	85	96	74	85	64
Adair	66	104	70	80	66
Madison	99	86	52	79	67
Lyon	92	64	75	77	68
Guthrie	83	71	71	75	69
Greene	75	89	60	75	69
Sac	84	71	67	74	71
Emmet	71	73	68	71	72
Hancock	76	73	50	66	73
Monroe	72	69	56	66	73
Ida	62	67	63	64	75
Calhoun	52	63	75	63	76
Allamakee	67	66	55	63	76
Davis	62	81	41	61	78
Humboldt	65	65	47	59	79
Worth	47	66	63	59	79
Montgomery	59	52	55	55	81
Lucas	67	51	47	55	81
Palo Alto	36	43	82	54	83
Mitchell	65	41	54	53	84
Decatur	57	66	36	53	84
Howard	48	71	38	52	86
Keokuk	59	64	33	52	86
Chickasaw	56	41	47	48	88
Shelby	18	54	59	44	89
Osceola	41	34	55	43	90
Audubon	45	48	29	41	91
Van Buren	49	37	35	40	92
Butler	44	38	38	40	92
Winnebago	59	31	28	39	94
Taylor	47	40	25	37	95
Wayne	29	39	36	35	96
Adams	31	35	27	31	97
Pocahontas	28	22	21	24	98
Ringgold	18	16	11	15	99

2006-2008 IOWA ALCOHOL TRAFFIC INJURIES

<u>2006</u>	<u>2007</u>	<u>2008</u>	<u>% of Change 2006-2008</u>
1,742	1,555	1,529	-12.2%

HIGHLIGHTS:

- Alcohol-related injuries declined from 2006 to 2008, falling 12.2%. Between 1990 and 2008, alcohol-related injuries have decreased by more than 60%.
- Two counties averaged 100 or more alcohol-related injuries per year.
- Eight counties averaged 50 or more alcohol-related injuries per year.
- Eighty counties averaged fewer than 20 alcohol-related injuries per year.

2006-2008 ALCOHOL INJURIES BY RANK & COUNTY

<u>County</u>	<u>2006</u>	<u>2007</u>	<u>2008</u>	<u>Average</u>	<u>Rank</u>
Polk	223	201	202	208.67	1
Scott	119	117	113	116.33	2
Linn	87	110	99	98.67	3
Black Hawk	64	75	69	69.33	4
Pottawattamie	64	66	65	65.00	5
Dubuque	65	58	70	64.33	6
Johnson	56	62	68	62.00	7
Woodbury	65	72	37	58.00	8
Story	40	46	26	37.33	9
Clinton	29	29	42	33.33	10
Wapello	33	40	17	30.00	11
Cerro Gordo	36	24	29	29.67	12
Warren	42	19	21	27.33	13
Muscatine	23	32	26	27.00	14
Webster	38	14	27	26.33	15
Marshall	24	17	36	25.67	16
Des Moines	30	12	24	22.00	17
Winneshiek	20	25	18	21.00	18
Jasper	27	16	18	20.33	19
Marion	27	14	15	18.67	20
Henry	12	27	13	17.33	21
Dallas	18	24	8	16.67	22
Lee	18	14	18	16.67	22
Sioux	19	10	16	15.00	24
Plymouth	20	11	13	14.67	25
Clayton	9	9	21	13.00	26
Crawford	18	12	8	12.67	27
Tama	24	8	6	12.67	27
Harrison	13	9	15	12.33	29
Buena Vista	9	10	16	11.67	30
Buchanan	19	3	10	10.67	31
O'Brien	6	17	9	10.67	31
Hamilton	17	5	9	10.33	33
Fayette	7	12	11	10.00	34
Washington	8	13	8	9.67	35
Hardin	15	7	6	9.33	36
Mahaska	7	7	14	9.33	36
Mills	9	11	8	9.33	36
Appanoose	14	9	3	8.67	39
Benton	7	11	8	8.67	39
Clay	5	12	9	8.67	39
Delaware	14	5	7	8.67	39
Guthrie	14	6	6	8.67	39
Lyon	15	3	8	8.67	39
Ida	11	10	4	8.33	45
Cherokee	4	7	13	8.00	46
Dickinson	6	8	10	8.00	46
Kossuth	8	5	11	8.00	46
Poweshiek	9	9	6	8.00	46
Boone	4	11	8	7.67	50

2006-2008 ALCOHOL INJURIES BY RANK & COUNTY

<u>County</u>	<u>2006</u>	<u>2007</u>	<u>2008</u>	<u>Average</u>	<u>Rank</u>
Jackson	11	6	6	7.67	50
Cedar	10	4	7	7.00	52
Fremont	13	4	4	7.00	52
Iowa	13	5	3	7.00	52
Allamakee	9	7	4	6.67	55
Monona	4	10	6	6.67	55
Union	7	3	10	6.67	55
Greene	9	6	4	6.33	58
Jefferson	6	3	10	6.33	58
Louisa	11	6	2	6.33	58
Madison	10	5	4	6.33	58
Humboldt	2	5	11	6.00	62
Sac	8	4	6	6.00	62
Chickasaw	9	4	4	5.67	64
Monroe	11	3	3	5.67	64
Palo Alto	7	4	6	5.67	64
Carroll	7	4	5	5.33	67
Page	8	1	7	5.33	67
Worth	3	11	2	5.33	69
Adair	3	0	12	5.00	70
Bremer	2	6	7	5.00	70
Davis	5	8	2	5.00	70
Calhoun	3	6	5	4.67	73
Clarke	3	8	3	4.67	73
Floyd	7	2	5	4.67	73
Jones	3	6	5	4.67	73
Butler	7	4	2	4.33	77
Franklin	5	6	2	4.33	77
Montgomery	4	4	5	4.33	77
Van Buren	4	5	4	4.33	77
Hancock	6	4	2	4.00	81
Mitchell	7	0	5	4.00	81
Wright	8	2	2	4.00	81
Cass	2	5	4	3.67	84
Emmet	4	4	3	3.67	84
Shelby	1	9	1	3.67	84
Adams	8	1	1	3.33	87
Decatur	4	2	4	3.33	87
Howard	5	3	2	3.33	87
Wayne	2	5	3	3.33	87
Winnebago	3	3	4	3.33	87
Grundy	5	1	3	3.00	92
Taylor	3	5	0	2.67	93
Audubon	0	3	4	2.33	94
Keokuk	0	3	3	2.00	95
Lucas	4	0	2	2.00	95
Ringgold	1	0	5	2.00	95
Osceola	3	0	0	1.00	98
Pocahontas	1	1	1	1.00	98

2006-2008 IOWA MAJOR TRAFFIC INJURIES

<u>2006</u>	<u>2007</u>	<u>2008</u>	<u>% of Change 2006-2008</u>
1,889	1,976	1,850	-2.1%

HIGHLIGHTS:

- Serious traffic injuries totaled 1,850 for 2008, down 39 or 2.1% from the 2006 figure of 1,889.
- Polk County averaged over 250 serious injuries per year, the most in the State.
- Seven counties averaged over 50 serious injuries per year while 15 more counties averaged 20-50 serious injuries per year.
- Seventy-seven counties averaged fewer than 20 serious injuries per year.
- According to figures from the Iowa DOT, serious traffic injuries result in nearly \$300 million in economic cost to society each year.

2006-2008 MAJOR INJURIES BY RANK & COUNTY

<u>County</u>	<u>2006</u>	<u>2007</u>	<u>2008</u>	<u>Average</u>	<u>Rank</u>
Polk	236	267	248	250.3	1
Linn	100	115	106	107.0	2
Scott	111	105	104	106.7	3
Black Hawk	65	78	82	75.0	4
Johnson	57	69	75	67.0	5
Pottawattamie	42	74	61	59.0	6
Woodbury	41	62	58	53.7	7
Dubuque	47	39	35	40.3	8
Story	47	47	27	40.3	8
Clinton	35	35	33	34.3	10
Dallas	37	29	36	34.0	11
Cerro Gordo	34	31	34	33.0	12
Wapello	30	30	37	32.3	13
Sioux	31	35	29	31.7	14
Webster	36	27	29	30.7	15
Lee	25	18	36	26.3	16
Muscatine	21	33	24	26.0	17
Henry	29	27	20	25.3	18
Plymouth	29	29	17	25.0	19
Marshall	19	28	17	21.3	20
Washington	17	18	27	20.7	21
Jasper	26	24	11	20.3	22
Warren	20	24	15	19.7	23
Winneshiek	18	18	22	19.3	24
Benton	17	20	20	19.0	25
Harrison	16	19	22	19.0	25
Marion	21	18	15	18.0	27
Boone	18	26	9	17.7	28
Buena Vista	16	18	18	17.3	29
Des Moines	10	19	23	17.3	29
Hamilton	12	15	21	16.0	31
Mahaska	13	16	18	15.7	32
Poweshiek	20	11	16	15.7	32
Buchanan	21	12	13	15.3	34
Jones	16	19	8	14.3	35
Fayette	10	14	18	14.0	36
Fremont	28	8	6	14.0	36
Union	19	8	15	14.0	36
Bremer	10	18	12	13.3	39
Mills	11	10	19	13.3	39
Clarke	9	14	16	13.0	41
Iowa	16	7	16	13.0	41
Jefferson	16	13	9	12.7	43
Cherokee	17	9	11	12.3	44
Clay	22	11	4	12.3	44
Hardin	14	13	10	12.3	44
Page	15	17	4	12.0	47
Tama	7	22	7	12.0	47
Louisa	11	10	14	11.7	49
O'Brien	13	15	7	11.7	49

2006-2008 MAJOR INJURIES BY RANK & COUNTY

<u>County</u>	<u>2006</u>	<u>2007</u>	<u>2008</u>	<u>Average</u>	<u>Rank</u>
Appanoose	11	12	11	11.3	51
Jackson	11	15	8	11.3	51
Madison	11	17	5	11.0	53
Decatur	14	10	7	10.3	54
Lucas	9	10	12	10.3	54
Crawford	7	15	8	10.0	56
Grundy	15	5	10	10.0	56
Delaware	7	14	8	9.7	58
Floyd	11	12	4	9.0	59
Greene	13	9	5	9.0	59
Guthrie	13	6	8	9.0	59
Hancock	11	5	11	9.0	59
Kossuth	8	7	12	9.0	59
Allamakee	5	13	8	8.7	64
Calhoun	6	10	10	8.7	64
Davis	4	14	6	8.0	66
Dickinson	12	3	8	7.7	67
Sac	8	6	9	7.7	67
Clayton	7	3	12	7.3	69
Cedar	6	5	10	7.0	70
Monroe	8	4	9	7.0	70
Worth	6	7	8	7.0	70
Humboldt	8	8	4	6.7	73
Adair	3	5	11	6.3	74
Lyon	5	5	9	6.3	74
Monona	5	4	10	6.3	74
Palo Alto	1	12	6	6.3	74
Wright	6	6	7	6.3	74
Keokuk	11	4	3	6.0	79
Mitchell	7	7	4	6.0	79
Butler	7	6	4	5.7	81
Emmet	9	4	4	5.7	81
Osceola	3	4	10	5.7	81
Cass	8	5	3	5.3	84
Chickasaw	9	5	2	5.3	84
Carroll	4	4	7	5.0	86
Audubon	4	8	2	4.7	87
Shelby	3	5	6	4.7	87
Franklin	1	6	6	4.3	89
Taylor	5	4	4	4.3	89
Wayne	5	6	2	4.3	89
Winnebago	5	4	4	4.3	89
Howard	5	6	1	4.0	93
Ida	5	2	4	3.7	94
Pocahontas	6	2	3	3.7	94
Van Buren	5	2	4	3.7	94
Adams	2	3	3	2.7	97
Ringgold	1	3	2	2.0	98
Montgomery	2	0	2	1.3	99

2006-2008 IOWA VEHICLE MILES TRAVELED (IN MILLIONS)

<u>2006</u>	<u>2007</u>	<u>2008</u>	<u>% of Change 2006-2008</u>
31,733	31,481	30,950	-2.5%

HIGHLIGHTS:

- Since 1990, vehicle miles traveled in Iowa have increased by more than 30%. Travel in Iowa reached 31 billion miles in the years 2006-2008.
- Polk, Linn, Scott, Pottawattamie, Johnson and Black Hawk counties each averaged more than one billion vehicle miles traveled during the past three years. Only 17 counties averaged fewer than 100 million vehicle miles traveled annually.

2006-2008 VEHICLE MILES TRAVELED (millions) BY RANK & COUNTY

<u>County</u>	<u>2006</u>	<u>2007</u>	<u>2008</u>	<u>Average</u>	<u>Rank</u>
Polk	3,998	3,972	3,989	3,986.3	1
Linn	1,707	1,693	1,676	1,692.0	2
Scott	1,584	1,548	1,497	1,543.0	3
Johnson	1,298	1,292	1,260	1,283.3	4
Pottawattamie	1,285	1,277	1,250	1,270.7	5
Black Hawk	1,180	1,166	1,143	1,163.0	6
Woodbury	874	859	852	861.7	7
Story	796	800	770	788.7	8
Dubuque	706	701	690	699.0	9
Dallas	632	629	622	627.7	10
Jasper	640	637	590	622.3	11
Cerro Gordo	556	564	542	554.0	12
Warren	549	545	550	548.0	13
Cedar	440	438	423	433.7	14
Clinton	444	426	419	429.7	15
Iowa	412	410	400	407.3	16
Poweshiek	388	383	376	382.3	17
Hamilton	389	374	367	376.7	18
Muscatine	367	365	359	363.7	19
Webster	353	361	357	357.0	20
Des Moines	326	324	318	322.7	21
Marshall	325	323	318	322.0	22
Lee	313	312	307	310.7	23
Wapello	303	307	302	304.0	24
Benton	291	291	290	290.7	25
Marion	292	291	289	290.7	25
Cass	290	289	291	290.0	27
Sioux	289	291	288	289.3	28
Harrison	280	280	274	278.0	29
Plymouth	276	278	274	276.0	30
Buchanan	268	266	264	266.0	31
Boone	264	263	260	262.3	32
Washington	260	260	256	258.7	33
Adair	260	260	248	256.0	34
Bremer	240	239	236	238.3	35
Mills	235	234	232	233.7	36
Mahaska	233	232	228	231.0	37
Franklin	213	228	209	216.7	38
Henry	216	216	213	215.0	39
Delaware	210	209	207	208.7	40
Monona	211	210	202	207.7	41
Hardin	206	205	207	206.0	42
Winneshiek	200	200	198	199.3	43
Grundy	198	198	195	197.0	44
Jones	197	197	194	196.0	45
Carroll	196	195	196	195.7	46
Fayette	189	189	187	188.3	47
Dickinson	200	183	181	188.0	48
Fremont	188	187	187	187.3	49
Clay	192	186	183	187.0	50

2006-2008 VEHICLE MILES TRAVELED (millions) BY RANK & COUNTY

<u>County</u>	<u>2006</u>	<u>2007</u>	<u>2008</u>	<u>Average</u>	<u>Rank</u>
Clayton	185	185	183	184.3	51
Floyd	184	184	181	183.0	52
Jackson	184	183	181	182.7	53
Worth	184	186	178	182.7	53
Tama	179	179	177	178.3	55
Clarke	180	179	174	177.7	56
Decatur	177	176	170	174.3	57
Kossuth	180	170	168	172.7	58
Buena Vista	173	168	166	169.0	59
Crawford	166	165	164	165.0	60
Wright	155	151	145	150.3	61
O'Brien	146	139	138	141.0	62
Jefferson	130	130	131	130.3	63
Madison	130	130	124	128.0	64
Chickasaw	127	127	126	126.7	65
Page	130	129	121	126.7	65
Hancock	132	122	121	125.0	67
Allamakee	125	125	124	124.7	68
Sac	129	123	122	124.7	68
Cherokee	121	117	116	118.0	70
Lyon	122	116	115	117.7	71
Union	117	117	112	115.3	72
Butler	114	114	113	113.7	73
Calhoun	116	113	112	113.7	73
Shelby	115	114	109	112.7	75
Keokuk	112	112	110	111.3	76
Greene	110	110	106	108.7	77
Appanoose	108	108	107	107.7	78
Humboldt	112	103	102	105.7	79
Palo Alto	102	104	102	102.7	80
Louisa	102	102	101	101.7	81
Guthrie	101	101	98	100.0	82
Pocahontas	100	100	98	99.3	83
Montgomery	96	95	93	94.7	84
Mitchell	92	92	91	91.7	85
Howard	90	90	89	89.7	86
Lucas	89	89	89	89.0	87
Monroe	88	88	87	87.7	88
Emmet	89	85	84	86.0	89
Osceola	82	84	83	83.0	90
Winnebago	83	83	82	82.7	91
Davis	81	81	80	80.7	92
Ida	84	78	77	79.7	93
Van Buren	72	72	71	71.7	94
Wayne	65	65	64	64.7	95
Audubon	58	58	58	58.0	96
Ringgold	54	54	53	53.7	97
Adams	49	49	47	48.3	98
Taylor	49	48	48	48.3	98

2006-2008 IOWA OWI REVOCATIONS

<u>2006</u>	<u>2007</u>	<u>2008</u>	<u>% of Change 2006-2008</u>
19,266	20,664	20,745	+6.8%

HIGHLIGHTS:

- Polk County has the most OWI revocations of all counties, averaging over 2,300 OWI revocations annually. Linn County follows with more than 1,500 OWI revocations annually.
- Two other counties (Johnson and Woodbury) averaged over 1,000 OWI revocations annually.
- Fifty counties averaged fewer than 100 OWI revocations annually.

2006-2008 OWI REVOCATIONS BY RANK & COUNTY

<u>County</u>	<u>2006</u>	<u>2007</u>	<u>2008</u>	<u>Average</u>	<u>Rank</u>
Polk	2,467	2,111	2,341	2,306.3	1
Linn	1,663	1,481	1,388	1,510.7	2
Johnson	896	1,383	1357	1,212.0	3
Woodbury	947	967	1170	1,028.0	4
Scott	734	775	798	769.0	5
Black Hawk	935	604	710	749.7	6
Dubuque	736	732	689	719.0	7
Story	499	549	677	575.0	8
Pottawattamie	430	486	493	469.7	9
Cerro Gordo	399	427	375	400.3	10
Clinton	377	382	396	385.0	11
Muscatine	339	378	386	367.7	12
Marshall	282	335	345	320.7	13
Wapello	280	288	326	298.0	14
Des Moines	258	316	287	287.0	15
Dallas	246	290	218	251.3	16
Lee	262	217	258	245.7	17
Boone	144	361	231	245.3	18
Webster	226	197	294	239.0	19
Warren	238	223	228	229.7	20
Jasper	221	213	232	222.0	21
Dickinson	116	267	236	206.3	22
Marion	193	247	169	203.0	23
Bremer	151	211	178	180.0	24
Mahaska	148	141	229	172.7	25
Clay	126	166	222	171.3	26
Winneshiek	113	202	152	155.7	27
Carroll	152	179	130	153.7	28
Fayette	129	146	179	151.3	29
Plymouth	136	144	165	148.3	30
Tama	147	141	155	147.7	31
Buena Vista	107	160	157	141.3	32
Sioux	124	146	146	138.7	33
Washington	122	140	151	137.7	34
Poweshiek	134	160	103	132.3	35
Benton	155	122	110	129.0	36
Hamilton	109	120	158	129.0	36
Cedar	112	145	123	126.7	38
Harrison	116	131	132	126.3	39
Iowa	122	157	99	126.0	40
Clayton	120	129	123	124.0	41
Buchanan	125	125	117	122.3	42
Crawford	106	109	146	120.3	43
Henry	123	108	129	120.0	44
Hardin	107	138	112	119.0	45
Jackson	107	99	118	108.0	46
Appanoose	107	117	95	106.3	47
Delaware	145	92	71	102.7	48
Wright	87	122	98	102.3	49
Chickasaw	107	88	103	99.3	50

2006-2008 OWI REVOCATIONS BY RANK & COUNTY

<u>County</u>	<u>2006</u>	<u>2007</u>	<u>2008</u>	<u>Average</u>	<u>Rank</u>
Cass	101	119	72	97.3	51
Jefferson	95	104	90	96.3	52
Allamakee	100	105	81	95.3	53
Louisa	93	97	87	92.3	54
Mills	93	104	80	92.3	54
Floyd	92	84	97	91.0	56
Jones	101	77	85	87.7	57
O'Brien	86	71	102	86.3	58
Franklin	61	103	90	84.7	59
Shelby	92	73	84	83.0	60
Union	93	68	61	74.0	61
Monona	61	78	78	72.3	62
Sac	72	71	71	71.3	63
Cherokee	100	61	51	70.7	64
Clarke	54	71	81	68.7	65
Worth	57	68	68	64.3	66
Mitchell	64	64	64	64.0	67
Guthrie	72	56	59	62.3	68
Page	68	45	69	60.7	69
Butler	85	50	45	60.0	70
Keokuk	72	50	57	59.7	71
Howard	68	63	47	59.3	72
Palo Alto	51	68	55	58.0	73
Montgomery	52	62	57	57.0	74
Madison	68	50	50	56.0	75
Emmet	55	57	54	55.3	76
Winnebago	40	47	78	55.0	77
Ida	61	50	51	54.0	78
Kossuth	72	42	41	51.7	79
Humboldt	61	51	36	49.3	80
Pocahontas	43	46	59	49.3	80
Calhoun	68	43	32	47.7	82
Osceola	45	52	45	47.3	83
Lyon	57	46	38	47.0	84
Hancock	56	48	35	46.3	85
Monroe	49	48	39	45.3	86
Van Buren	59	31	44	44.7	87
Audubon	41	41	46	42.7	88
Grundy	64	33	31	42.7	88
Greene	61	17	42	40.0	90
Lucas	38	36	39	37.7	91
Fremont	29	45	35	36.3	92
Adair	36	29	34	33.0	93
Davis	30	29	37	32.0	94
Wayne	36	20	31	29.0	95
Decatur	25	33	28	28.7	96
Ringgold	20	27	27	24.7	97
Taylor	25	20	3	16.0	98
Adams	19	10	15	14.7	99

2006-2008 SPECIAL USER GROUP FATALITIES/INJURIES
Motorcycle/Bicycle/ Pedestrian

	<u>Motorcycle</u>	<u>Bicycle</u>	<u>Pedestrian</u>
3-YR TOTAL FATALITIES	17	17	68
3-YR TOTAL INJURIES	3,006	1,360	1,578

HIGHLIGHTS:

- Iowa motorcycle fatalities for 2006-2008 averaged 57 annually; up 3% from the 2005-2007 average of 55.3.
- Bicycle injuries for 2006-2008 averaged 453, up 14 or 3% from the 2005-2007 average of 439.
- Thirteen Iowa counties totaled more than 100 motorcycle, bicycle and pedestrian injuries combined during 2006-2008.
- Sixty-eight counties averaged fewer than 10 bicycle/pedestrian/motorcycle injuries annually.

2006-2008 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	21	3	15	39	1
Scott	11	0	6	17	2
Pottawattamie	6	0	4	10	3
Black Hawk	6	1	2	9	4
Clayton	7	0	1	8	5
Jasper	6	0	1	7	6
Linn	5	0	2	7	6
Woodbury	4	0	3	7	6
Dubuque	4	0	1	5	9
Marshall	3	1	1	5	9
Muscatine	4	1	0	5	9
Boone	2	2	0	4	12
Cerro Gordo	3	1	0	4	12
Clay	4	0	0	4	12
Clinton	3	0	1	4	12
Delaware	4	0	0	4	12
Des Moines	2	1	1	4	12
Harrison	4	0	0	4	12
Johnson	4	0	0	4	12
Lee	4	0	0	4	12
Mills	1	0	3	4	12
Sioux	4	0	0	4	12
Webster	3	0	1	4	12
Appanoose	2	0	1	3	24
Calhoun	1	0	2	3	24
Clarke	1	0	2	3	24
Louisa	2	1	0	3	24
Marion	3	0	0	3	24
O'Brien	1	1	1	3	24
Plymouth	1	0	2	3	24
Story	2	0	1	3	24
Warren	2	0	1	3	24
Allamakee	1	1	0	2	33
Benton	1	0	1	2	33
Buchanan	0	1	1	2	33
Cass	0	1	1	2	33
Dallas	1	1	0	2	33
Fayette	1	0	1	2	33
Fremont	1	0	1	2	33
Grundy	1	0	1	2	33
Humboldt	2	0	0	2	33
Ida	2	0	0	2	33
Jefferson	1	0	1	2	33
Keokuk	2	0	0	2	33
Lucas	2	0	0	2	33
Monona	2	0	0	2	33
Montgomery	2	0	0	2	33
Wapello	0	0	2	2	33
Washington	2	0	0	2	33
Worth	1	1	0	2	33

2006-2008 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>
Adair	1	0	0	1	51
Bremer	1	0	0	1	51
Butler	1	0	0	1	51
Cedar	1	0	0	1	51
Cherokee	1	0	0	1	51
Chickasaw	1	0	0	1	51
Crawford	0	0	1	1	51
Davis	0	0	1	1	51
Decatur	1	0	0	1	51
Floyd	1	0	0	1	51
Franklin	0	0	1	1	51
Greene	1	0	0	1	51
Hamilton	1	0	0	1	51
Hardin	1	0	0	1	51
Henry	0	0	1	1	51
Iowa	0	0	1	1	51
Jackson	1	0	0	1	51
Lyon	1	0	0	1	51
Madison	1	0	0	1	51
Mahaska	1	0	0	1	51
Mitchell	1	0	0	1	51
Monroe	1	0	0	1	51
Osceola	1	0	0	1	51
Poweshiek	1	0	0	1	51
Sac	0	0	1	1	51
Shelby	1	0	0	1	51
Van Buren	1	0	0	1	51
Winnebago	0	0	1	1	51
Wright	1	0	0	1	51
Adams	0	0	0	0	80
Audubon	0	0	0	0	80
Buena Vista	0	0	0	0	80
Carroll	0	0	0	0	80
Dickinson	0	0	0	0	80
Emmet	0	0	0	0	80
Guthrie	0	0	0	0	80
Hancock	0	0	0	0	80
Howard	0	0	0	0	80
Jones	0	0	0	0	80
Kossuth	0	0	0	0	80
Page	0	0	0	0	80
Palo Alto	0	0	0	0	80
Pocahontas	0	0	0	0	80
Ringgold	0	0	0	0	80
Tama	0	0	0	0	80
Taylor	0	0	0	0	80
Union	0	0	0	0	80
Wayne	0	0	0	0	80
Winneshiek	0	0	0	0	80

2006-2008 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	412	231	340	983	1
Scott	208	115	137	460	2
Linn	202	98	93	393	3
Woodbury	147	69	102	318	4
Johnson	129	95	92	316	5
Pottawattamie	164	65	58	287	6
Black Hawk	120	84	68	272	7
Story	74	76	47	197	8
Dubuque	74	45	73	192	9
Clinton	56	35	41	132	10
Cerro Gordo	70	26	18	114	11
Des Moines	46	29	36	111	12
Webster	50	23	31	104	13
Wapello	42	21	28	91	14
Muscatine	53	13	20	86	15
Marshall	32	17	27	76	16
Warren	49	12	12	73	17
Lee	54	12	3	69	18
Jasper	38	16	11	65	19
Dallas	27	12	19	58	20
Harrison	39	6	10	55	21
Marion	23	11	19	53	22
Winneshiek	33	7	7	47	23
Clay	26	14	6	46	24
Dickinson	25	7	11	43	25
Buchanan	15	15	12	42	26
Mahaska	23	11	7	41	27
Sioux	19	7	15	41	27
Jefferson	15	9	9	33	29
Benton	19	4	8	31	30
Henry	21	3	7	31	30
Jones	25	0	4	29	32
Plymouth	19	5	5	29	32
Appanoose	14	6	8	28	34
Bremer	18	8	2	28	34
Crawford	13	3	11	27	36
Floyd	16	8	3	27	36
Hamilton	13	5	9	27	36
Mills	23	1	3	27	36
Union	19	4	4	27	36
Boone	13	10	3	26	41
Fayette	19	5	2	26	41
Tama	17	4	5	26	41
Delaware	14	2	9	25	44
Kossuth	19	0	6	25	44
Page	17	2	6	25	44
Washington	14	4	7	25	44
Monona	20	1	3	24	48
Clarke	15	4	4	23	49
Fremont	16	3	3	22	50

2006-2008 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>
Winnebago	16	0	6	22	50
Clayton	15	0	6	21	52
Iowa	15	4	2	21	52
Poweshiek	16	5	0	21	52
Emmet	13	6	1	20	55
Jackson	14	1	4	19	56
Carroll	9	3	6	18	57
Lyon	13	2	3	18	57
Hardin	8	5	4	17	59
Howard	6	6	5	17	59
Madison	13	4	0	17	59
Allamakee	12	2	2	16	62
Buena Vista	10	5	1	16	62
Calhoun	13	2	1	16	62
Louisa	12	1	3	16	62
Lucas	10	3	3	16	62
Decatur	5	0	10	15	67
Cass	9	2	3	14	68
Cedar	11	2	1	14	68
Hancock	11	2	1	14	68
Wright	7	4	3	14	68
Greene	4	5	4	13	72
Guthrie	10	3	0	13	72
Montgomery	5	3	5	13	72
Mitchell	10	2	0	12	75
Van Buren	11	1	0	12	75
Worth	11	1	0	12	75
Grundy	2	4	5	11	78
Monroe	8	1	2	11	78
Cherokee	6	2	2	10	80
Davis	2	0	8	10	80
Franklin	2	7	1	10	80
O'Brien	5	3	2	10	80
Palo Alto	8	1	1	10	80
Keokuk	7	0	1	8	85
Adair	6	0	1	7	86
Adams	5	0	2	7	86
Osceola	3	2	2	7	86
Shelby	2	1	4	7	86
Taylor	4	0	3	7	86
Humboldt	6	0	0	6	91
Ida	5	0	1	6	91
Chickasaw	4	0	1	5	93
Audubon	4	0	0	4	94
Butler	3	0	1	4	94
Ringgold	3	0	1	4	94
Sac	2	1	1	4	94
Pocahontas	1	0	1	2	98
Wayne	0	1	0	1	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.
- Nearly 45% all traffic fatalities in the State.
- Over 40% of all alcohol-related traffic fatalities over the past three years.
- Nearly 65% of all personal injuries and nearly 55% of all serious traffic injuries and alcohol-related traffic injuries in the State.
- Sixty percent (60%) of all Vehicle Miles Traveled in Iowa over the past three years.
- Nearly 65% 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.

For those reasons, the Top 22 counties will remain eligible for federal 402 highway safety programs funds during the fiscal 2011 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 406 Safety Belt Performance Grant. All law enforcement agencies in Iowa with at least one full-time officer are eligible for this program, which currently involves 54 sheriffs' offices, 130 local police departments, the Iowa State Patrol and the DOT's Motor Vehicle Enforcement Division. In total, the GTSB funding law enforcement agencies in 98 of Iowa's 99 counties.

Some growth in alcohol/impaired driving funds under the Section 410 program has allowed the GTSB to expand eligibility for this program to the Top 40 counties. These counties comprise more than 70% of all alcohol-related traffic fatalities and more than 75% of alcohol related traffic injuries and OWI revocations.

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. In addition to the Section 406 sSTEP program available to all 99 counties, the Iowa State patrol conducts GTSB funded enforcement statewide as well. Training programs offered through the Prosecuting Attorneys Training Council, the Iowa Supreme Court, the Iowa Law Enforcement Academy and Iowa State University are also 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>	<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>Motorcycle Bike/Ped Inj/Fatals</u>	<u>Overall Rank</u>
Polk	1	1	1	1	1	1	1	1	1
Scott	4	2	2	2	3	3	5	2	2
Linn	3	7	3	3	2	2	2	3	3
Pottawattamie	2	2	5	5	6	5	9	3	4
Black Hawk	6	4	4	4	4	6	6	6	5
Woodbury	8	5	6	8	7	7	4	5	6
Dubuque	11	8	8	6	8	9	7	8	7
Johnson	5	31	7	7	5	4	3	7	8
Story	18	6	9	9	8	8	8	17	9
Clinton	18	20	11	10	10	15	11	9	10
Cerro Gordo	18	28	12	12	12	12	10	10	11
Webster	10	13	14	15	15	20	19	13	12
Jasper	7	12	19	19	22	11	21	13	13
Des Moines	13	8	15	17	29	21	15	11	14
Marshall	15	13	17	16	20	22	13	13	14
Lee	18	13	21	22	16	23	17	16	16
Warren	12	40	10	13	23	13	20	21	17
Dallas	23	31	16	22	11	10	16	25	18
Muscatine	25	40	18	14	17	19	12	11	19
Wapello	31	40	13	11	13	24	14	23	20
Sioux	16	20	20	24	14	28	33	20	21
Plymouth	29	13	23	25	19	30	30	27	22
Marion	25	40	22	20	27	25	23	22	23
Boone	8	28	24	50	28	32	18	25	24
Benton	16	8	43	39	25	25	36	33	25
Hamilton	22	20	31	33	31	18	36	44	26
Clay	29	13	28	39	44	50	26	19	27
Winneshiek	31	20	34	18	24	43	27	51	27
Harrison	46	40	25	29	25	29	39	18	29
Mahaska	39	40	26	36	32	37	25	37	30
Buchanan	36	40	32	31	34	31	42	31	31
Washington	53	31	38	35	21	33	34	36	32
Henry	62	31	29	21	18	39	44	38	33
Poweshiek	13	57	33	46	32	17	35	51	34
Mills	36	31	49	36	39	36	54	24	35
Fayette	39	40	51	34	36	47	29	35	36
Clayton	23	31	45	26	69	51	41	29	37
Iowa	31	57	30	52	41	16	40	51	38
Appanoose	25	11	46	39	51	78	47	30	39
Buena Vista	39	20	41	30	29	59	32	87	40
Tama	46	40	38	27	47	55	31	69	41
Cedar	53	40	36	52	70	14	38	67	42
Clarke	31	20	50	73	41	56	65	34	42
Hardin	53	57	37	36	44	42	45	60	44
Delaware	62	57	48	39	58	40	48	27	45
Jefferson	39	57	44	58	43	63	52	32	46
Monona	53	13	57	55	74	41	62	38	47
Bremer	82	79	27	70	39	35	24	41	48
Dickinson	68	57	35	46	67	48	22	55	49

PROBLEM IDENTIFICATION COMPOSITE RANKING BY COUNTY

<u>County</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>Motorcycle Bike/Ped Inj/Fatals</u>	<u>Overall Rank</u>
O'Brien	46	40	62	31	49	62	58	54	50
Jackson	46	40	62	50	51	53	46	57	51
Crawford	79	57	46	27	56	60	43	44	52
Jones	62	40	38	73	35	45	57	63	53
Cherokee	25	57	56	46	44	70	64	78	54
Carroll	46	28	58	67	86	46	28	82	55
Louisa	36	57	64	58	49	81	54	42	55
Allamakee	62	20	76	55	64	68	53	47	57
Fremont	53	79	59	52	36	49	92	40	58
Floyd	68	57	54	73	59	52	56	44	59
Cass	68	57	59	84	84	27	51	49	60
Union	53	79	59	55	36	72	61	64	60
Grundy	39	57	53	92	56	44	88	62	62
Lyon	77	20	68	39	74	71	84	58	62
Kossuth	68	57	55	46	59	58	79	71	64
Worth	68	31	79	69	70	53	66	58	65
Wright	46	57	64	81	74	61	49	67	66
Page	91	57	42	67	47	65	69	71	67
Madison	82	57	67	58	53	64	75	60	68
Greene	68	31	69	58	59	77	90	70	69
Sac	31	79	71	62	67	68	63	89	70
Franklin	62	79	52	77	89	38	59	78	71
Ida	46	40	75	45	94	93	78	71	72
Calhoun	82	57	76	73	64	73	82	42	73
Humboldt	79	31	79	62	73	79	80	71	74
Guthrie	68	79	69	39	59	82	68	92	75
Decatur	53	79	84	87	54	57	96	65	76
Howard	53	13	86	87	93	86	72	86	77
Butler	39	57	92	77	81	73	70	89	78
Hancock	82	40	73	81	59	67	85	91	78
Adair	82	79	66	70	74	34	93	82	80
Lucas	68	57	81	95	54	87	91	47	80
Keokuk	39	79	86	95	79	76	71	65	82
Shelby	77	40	89	84	87	75	60	82	83
Chickasaw	79	79	88	64	84	65	50	88	84
Palo Alto	53	79	83	64	74	80	73	93	85
Mitchell	82	57	84	81	79	85	67	75	86
Montgomery	62	79	81	77	99	84	74	55	87
Monroe	82	79	73	64	70	88	86	77	88
Davis	68	79	78	70	66	92	94	78	89
Winnebago	93	57	94	87	89	91	77	49	90
Osceola	82	40	90	98	81	90	83	82	91
Van Buren	82	57	92	77	94	94	87	75	92
Emmet	99	79	72	84	81	89	76	81	93
Audubon	91	79	91	94	87	96	88	96	94
Pocahontas	95	79	98	98	94	83	80	98	95
Wayne	95	79	96	87	89	95	95	99	96
Taylor	95	79	95	93	89	98	98	94	97
Adams	95	79	97	87	97	98	99	94	98
Ringgold	93	79	99	95	98	97	97	96	99

IOWA'S TOP 22 PROBLEM IDENTIFICATION COUNTIES

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

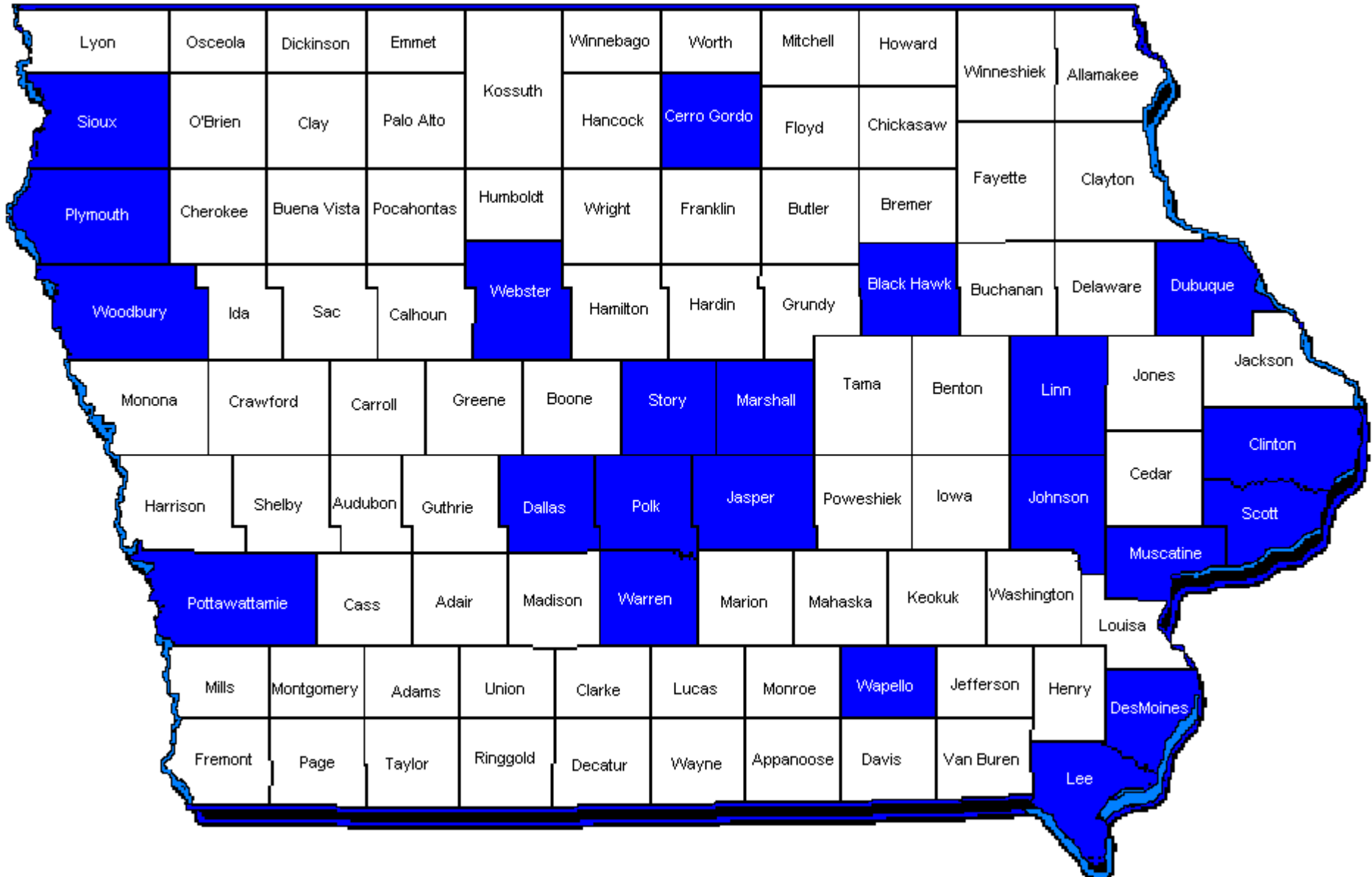
January 26, 2010

TOP 22 PROBLEM COUNTIES & CITIES

(cities with populations of 5,000 or more - 1/28/10)

<u>COUNTY</u>	<u>CITY</u>
BLACK HAWK	CEDAR FALLS WATERLOO
CERRO GORDO	CLEAR LAKE MASON CITY
CLINTON	CLINTON DE WITT
DALLAS	PERRY WAUKEE
DES MOINES	BURLINGTON
DUBUQUE	DUBUQUE
JASPER	NEWTON
JOHNSON	CORALVILLE IOWA CITY NORTH LIBERTY
LEE	FORT MADISON KEOKUK
LINN	CEDAR RAPIDS HIAWATHA MARION
MARSHALL	MARSHALLTOWN
MUSCATINE	MUSCATINE
PLYMOUTH	LE MARS
POLK	ALTOONA ANKENY CLIVE DES MOINES JOHNSTON PLEASANT HILL URBANDALE WEST DES MOINES COUNCIL BLUFFS
POTTAWATTAMIE	
SCOTT	BETTENDORF DAVENPORT
SIOUX	ORANGE CITY SIOUX CENTER
STORY	AMES NEVADA
WAPELLO	OTTUMWA
WARREN	INDIANOLA NORWALK
WEBSTER	FORT DODGE
WOODBURY	SIOUX CITY

IOWA'S TOP 22 PROBLEM COUNTIES - FFY 2011



PROBLEM ID ALCOHOL RELATED COMPOSITE RANK BY COUNTY

<u>County</u>	<u>A/R Fatals</u>	<u>A/R Injury</u>	<u>OWI Revokes</u>	<u>Overall Rank</u>
Polk	1	1	1	1
Scott	2	2	5	2
Linn	7	3	2	3
Black Hawk	4	4	6	4
Pottawattamie	2	5	9	5
Woodbury	5	8	4	6
Dubuque	8	6	7	7
Story	6	9	8	8
Des Moines	8	17	15	9
Clinton	20	10	11	10
Johnson	31	7	3	10
Marshall	13	16	13	12
Webster	13	15	19	13
Cerro Gordo	28	12	10	14
Jasper	12	19	21	15
Lee	13	22	17	15
Wapello	40	11	14	17
Winneshiek	20	18	27	17
Muscatine	40	14	12	19
Plymouth	13	25	30	20
Dallas	31	22	16	21
Warren	40	13	20	22
Sioux	20	24	33	23
Clay	13	39	26	24
Buena Vista	20	30	32	25
Benton	8	39	36	26
Marion	40	20	23	26
Hamilton	20	33	36	28
Boone	28	50	18	29
Henry	31	21	44	29
Appanoose	11	39	47	31
Clayton	31	26	41	32
Tama	40	27	31	33
Washington	31	35	34	34
Mahaska	40	36	25	35
Fayette	40	34	29	36
Harrison	40	29	39	37
Buchanan	40	31	42	38
Mills	31	36	54	39
Carroll	28	67	28	40
Dickinson	57	46	22	41
Crawford	57	27	43	42
Allamakee	20	55	53	43
O'Brien	40	31	58	44
Cedar	40	52	38	45
Monona	13	55	62	45
Jackson	40	50	46	47
Hardin	57	36	45	48
Poweshiek	57	46	35	48

PROBLEM ID ALCOHOL RELATED COMPOSITE RANK BY COUNTY

<u>County</u>	<u>A/R Fatals</u>	<u>A/R Injury</u>	<u>OWI Revokes</u>	<u>Overall Rank</u>
Lyon	20	39	84	50
Delaware	57	39	48	51
Iowa	57	52	40	52
Clarke	20	73	65	53
Ida	40	45	78	54
Worth	31	69	66	55
Cherokee	57	46	64	56
Jefferson	57	58	52	56
Louisa	57	58	54	58
Jones	40	73	57	59
Howard	13	87	72	60
Bremer	79	70	24	61
Humboldt	31	62	80	61
Greene	31	58	90	63
Kossuth	57	46	79	64
Shelby	40	84	60	65
Floyd	57	73	56	66
Guthrie	79	39	68	66
Wright	57	81	49	68
Madison	57	58	75	69
Cass	57	84	51	70
Chickasaw	79	64	50	71
Page	57	67	69	71
Union	79	55	61	73
Butler	57	77	70	74
Sac	79	62	63	74
Mitchell	57	81	67	76
Hancock	40	81	85	77
Calhoun	57	73	82	78
Franklin	79	77	59	79
Palo Alto	79	64	73	80
Osceola	40	98	83	81
Van Buren	57	77	87	81
Winnebago	57	87	77	81
Fremont	79	52	92	84
Monroe	79	64	86	85
Montgomery	79	77	74	86
Grundy	57	92	88	87
Emmet	79	84	76	88
Adair	79	70	93	89
Davis	79	70	94	90
Lucas	57	95	91	90
Keokuk	79	95	71	92
Pocahontas	79	98	80	93
Audubon	79	94	88	94
Wayne	79	87	95	94
Decatur	79	87	96	96
Adams	79	87	99	97
Taylor	79	93	98	98
Ringgold	79	95	97	99

IOWA'S TOP 40 ALCOHOL PROBLEM IDENTIFICATION COUNTIES

APPANOOSE
BENTON
BLACK HAWK
BOONE
BUCHANAN
BUENA VISTA
CARROLL
CERRO GORDO
CLAY
CLAYTON
CLINTON
DALLAS
DES MOINES
DUBUQUE
FAYETTE
HAMILTON
HARRISON
HENRY
JASPER
JOHNSON
LEE

LINN
MAHASKA
MARION
MARSHALL
MILLS
MUSCATINE
PLYMOUTH
POLK
POTTAWATTAMIE
SCOTT
SIOUX
STORY
TAMA
WAPELLO
WARREN
WASHINGTON
WEBSTER
WINNESHIEK
WOODBURY

Blue = New for 2011

February 3, 2010

IOWA'S TOP 40 ALCOHOL PROBLEM COUNTIES - FFY 2011

