

IOWA

PROBLEM IDENTIFICATION



FOR FEDERAL 402 & 410
STATE AND COMMUNITY
HIGHWAY SAFETY PROGRAMS

FFY 2012



Governor's Traffic Safety Bureau
Iowa Department of Public Safety
January, 2011

PROBLEM IDENTIFICATION

Introduction

Each year, traffic crashes in the United States result in nearly 300,000 deaths and serious injuries. Traffic crashes have a major financial impact to the nation. It is currently estimated that traffic crashes cost the nation \$230 billion in 2009 and are 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.

Iowa has been successful in reducing highway fatalities since that time. In 1966, 904 persons were killed in Iowa traffic mishaps. For 2010, the 389 fatalities occurred, a reduction of 57% from the 1966 figures. The current five-year (2004-2008) fatality average for Iowa is 426. Between 2008 and 2009, vehicle miles traveled increased 1.10% from 30,957 to 31,297 (in millions). In 2009, 3,454,688 vehicles were registered in Iowa.

Alcohol-related fatalities in Iowa totaled 93 in 2009. Twenty-five percent of all 2009 Iowa traffic deaths were alcohol-related. Iowa's current statewide safety belt use rate of 93% ranks Iowa among the top ten states in the nation. Despite the fact that Iowa figures compare favorably or above national averages for alcohol-related fatalities and safety belt use, efforts continue through our traffic safety partnerships to improve those figures.

Iowa continues to focus in improving restraint use and reducing impaired driving and other serious traffic violations. To continue a successful traffic program, a crucial component is to identify the scope, magnitude and characteristics of the highway safety problem through crash data analysis. 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 the 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.

Through statewide partnerships we will continue to work to decrease the fatality rate in Iowa. It is critical to keep utilizing education, enforcement, engineering and EMS to provide for a safer Iowa. Legislative initiatives, 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 crashes in the 99 counties throughout the state of Iowa.

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 and 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 the 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 2007 through 2009 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 and 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 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 traffic 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 agencies in Iowa's top 40 alcohol problem related counties. Section 410 funds are offered to sheriffs' offices and agencies in communities with a population of 5,000 or more. 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 safety 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. 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 Department of Transportation and can be accessed at their website www.dot.state.ia.us/mvd/ods/index.htm. Additional driver behavior related crash data is also available at this site. Location based data can be found at www.ctre.iastate.edu/itsds.

2007 - 2009 IOWA TRAFFIC FATALITIES & FATAL CRASHES

	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>% of Change 2007 - 2009</u>
TOTAL FATALITIES	445	413	371	-16.63%
TOTAL FATAL CRASHES	393	368	338	-14.00%

HIGHLIGHTS:

- ✦ Polk County has the highest number of traffic fatalities in Iowa averaging over 29 deaths per year for 2007 - 2009.
- ✦ Pottawattamie, Linn, Scott, Johnson and Woodbury counties all averaged more than 10 fatalities for 2007 - 2009.
- ✦ Twenty-five Iowa counties averaged 5 or more traffic fatalities per year during 2007 - 2009.
- ✦ Twenty-three Iowa counties averaged fewer than 2 traffic fatalities per year during 2007 - 2009.

2007-2009 FATALITIES BY RANK & COUNTY

<u>County</u>	<u>Population*</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>Average</u>	<u>Rank</u>
Polk	374,601	32	34	23	29.7	1
Pottawattamie	87,704	13	25	12	16.7	2
Linn	191,701	16	12	15	14.3	3
Scott	158,668	18	9	14	13.7	4
Johnson	111,006	12	14	11	12.3	5
Woodbury	103,877	9	13	10	10.7	6
Black Hawk	128,012	10	13	5	9.3	7
Webster	40,235	16	7	5	9.3	7
Jasper	37,213	8	13	6	9.0	9
Clinton	50,149	11	3	9	7.7	10
Dubuque	89,143	9	7	7	7.7	10
Boone	26,224	13	5	4	7.3	12
Story	79,981	12	0	9	7.0	13
Cerro Gordo	46,447	8	5	7	6.7	14
Poweshiek	18,815	5	12	3	6.7	14
Plymouth	24,849	12	2	5	6.3	16
Sioux	31,589	8	4	7	6.3	16
Marshall	39,311	4	9	5	6.0	18
Warren	40,671	5	8	5	6.0	18
Des Moines	42,351	5	8	4	5.7	20
Benton	25,308	2	7	7	5.3	21
Clayton	18,678	5	7	4	5.3	21
Dallas	40,750	9	2	4	5.0	23
Hamilton	16,438	5	6	4	5.0	23
Muscatine	41,722	2	11	2	5.0	23
Lee	38,052	5	4	5	4.7	26
Allamakee	14,675	1	3	9	4.3	27
Jackson	20,296	5	2	6	4.3	27
Tama	18,103	8	1	4	4.3	27
Washington	20,670	5	3	5	4.3	27
Winneshiek	21,310	6	2	5	4.3	27
Buchanan	21,093	3	7	2	4.0	32
Hardin	18,812	4	2	6	4.0	32
Jefferson	16,181	5	0	7	4.0	32
Sac	11,529	8	2	2	4.0	32
Buena Vista	20,411	3	4	4	3.7	36
Clay	17,372	7	2	2	3.7	36
Iowa	15,671	7	3	1	3.7	36
Louisa	12,183	4	4	3	3.7	36
Appanoose	13,721	4	3	3	3.3	40
Butler	15,305	2	5	3	3.3	40
Carroll	21,421	6	1	3	3.3	40
Crawford	16,942	1	2	7	3.3	40
Marion	32,052	2	5	3	3.3	40
Mills	14,547	4	2	4	3.3	40
Monona	10,020	2	4	4	3.3	40
Adair	8,243	0	3	6	3.0	47
Davis	8,541	5	2	2	3.0	47
Fayette	22,008	5	2	2	3.0	47
Fremont	8,010	1	4	4	3.0	47

2007-2009 FATALITIES BY RANK & COUNTY

<u>County</u>	<u>Population*</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>Average</u>	<u>Rank</u>
Greene	10,366	0	4	5	3.0	47
Henry	20,336	3	4	2	3.0	47
Ida	7,837	2	7	0	3.0	47
Mahaska	22,335	2	4	3	3.0	47
Wapello	36,051	5	3	1	3.0	47
Clarke	9,133	2	5	1	2.7	56
Delaware	18,404	1	2	5	2.7	56
Franklin	10,704	1	5	2	2.7	56
Grundy	12,369	5	1	2	2.7	56
Hancock	12,100	1	2	5	2.7	56
Harrison	15,666	2	4	2	2.7	56
Jones	20,221	1	4	3	2.7	56
Lucas	9,422	3	3	2	2.7	56
Shelby	13,173	1	5	2	2.7	56
Union	12,309	4	3	1	2.7	56
Cass	14,684	3	2	2	2.3	66
Cedar	18,187	3	3	1	2.3	66
Cherokee	13,035	3	2	2	2.3	68
Keokuk	11,400	5	2	0	2.3	69
O'Brien	15,102	2	3	2	2.3	69
Palo Alto	10,147	4	3	0	2.3	69
Wright	14,334	6	0	1	2.3	69
Bremer	23,325	3	1	2	2.0	73
Monroe	8,016	2	2	2	2.0	73
Montgomery	11,771	1	5	0	2.0	73
Van Buren	7,809	1	2	3	2.0	73
Calhoun	11,115	1	1	3	1.7	77
Guthrie	11,353	1	2	2	1.7	77
Humboldt	10,381	1	2	2	1.7	77
Kossuth	17,163	0	3	2	1.7	77
Page	16,976	1	1	3	1.7	77
Worth	7,909	3	1	1	1.7	77
Chickasaw	13,095	1	0	3	1.3	83
Decatur	8,689	2	1	1	1.3	83
Dickinson	16,424	1	3	0	1.3	83
Floyd	16,900	1	2	1	1.3	83
Howard	9,932	3	1	0	1.3	83
Madison	14,019	2	1	1	1.3	83
Mitchell	10,874	2	2	0	1.3	83
Osceola	7,003	1	1	2	1.3	83
Ringgold	5,469	1	0	3	1.3	83
Winnebago	11,723	2	0	2	1.3	83
Adams	4,482	0	1	2	1.0	93
Audubon	6,830	2	1	0	1.0	93
Lyon	11,763	2	0	1	1.0	93
Taylor	6,958	0	1	1	0.7	96
Emmet	11,027	0	0	1	0.3	97
Pocahontas	8,662	0	0	0	0.0	98
Wayne	6,730	0	0	0	0.0	98

* 2000 Census

2007 - 2009 IOWA ALCOHOL TRAFFIC FATALITIES

	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>% of Change 2007 - 2009</u>
NO. OF ALCOHOL-RELATED FATALITIES	111	80	93	-16.22%
% OF ALL FATALITIES	24.94%	19.37%	25.06%	0.48%

HIGHLIGHTS:

- ✦ The three-year average for alcohol-related fatalities (2007-2009) in Iowa is 94.67, a decrease of 4.05% from 2006 - 2008 average of 98.66.
- ✦ Polk County has the most alcohol-related fatalities averaging 7.3 alcohol-related fatalities per year. Scott and Pottawattamie county have the next highest numbers with a three-year average of 5.3 and 5.0 respectively.
- ✦ Only four counties averaged four or more alcohol-related fatalities per year with two additional counties averaging three or more fatalities per year.
- ✦ Ninety-three Iowa counties averaged less than three alcohol-related fatalities per year.
- ✦ Fifteen Iowa counties had no alcohol-related fatalities in the 2007 through 2009 period.

2007-2009 ALCOHOL FATALITIES BY RANK & COUNTY

<u>County</u>	<u>Population*</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>Average</u>	<u>Rank</u>
Polk	374,601	11	5	6	7.3	1
Scott	158,668	8	4	4	5.3	2
Pottawattamie	87,704	7	6	2	5.0	3
Woodbury	103,877	4	4	5	4.3	4
Black Hawk	128,012	6	1	4	3.7	5
Linn	191,701	3	3	4	3.3	6
Jasper	37,213	0	6	2	2.7	7
Story	79,981	7	0	1	2.7	7
Buena Vista	20,411	3	0	3	2.0	9
Marshall	39,311	0	4	2	2.0	9
Plymouth	24,849	4	1	1	2.0	9
Benton	25,308	0	4	1	1.7	12
Clinton	50,149	3	0	2	1.7	12
Johnson	111,006	0	2	3	1.7	12
Jones	20,221	0	2	3	1.7	12
Winneshiek	21,310	4	0	1	1.7	12
Allamakee	14,675	1	1	2	1.3	17
Appanoose	13,721	2	2	0	1.3	17
Buchanan	21,093	1	1	2	1.3	17
Clayton	18,678	0	2	2	1.3	17
Dubuque	89,143	2	2	0	1.3	17
Jackson	20,296	2	0	2	1.3	17
Monona	10,020	2	1	1	1.3	17
Webster	40,235	3	1	0	1.3	17
Carroll	21,421	2	0	1	1.0	25
Cerro Gordo	46,447	1	0	2	1.0	25
Dallas	40,750	2	0	1	1.0	25
Hancock	12,100	1	0	2	1.0	25
Henry	20,336	2	1	0	1.0	25
Humboldt	10,381	1	1	1	1.0	25
Lee	38,052	2	0	1	1.0	25
Louisa	12,183	1	0	2	1.0	25
Mills	14,547	2	0	1	1.0	25
Muscatine	41,722	0	2	1	1.0	25
Shelby	13,173	1	1	1	1.0	25
Sioux	31,589	1	1	1	1.0	25
Tama	18,103	2	0	1	1.0	25
Washington	20,670	0	2	1	1.0	25
Worth	7,909	2	0	1	1.0	25
Clarke	9,133	0	2	0	0.7	40
Crawford	16,942	0	1	1	0.7	40
Davis	8,541	0	0	2	0.7	40
Des Moines	42,351	0	2	0	0.7	40
Fayette	22,008	1	0	1	0.7	40
Greene	10,366	0	1	1	0.7	40
Grundy	12,369	1	0	1	0.7	40
Hamilton	16,438	1	1	0	0.7	40
Jefferson	16,181	1	0	1	0.7	40
Kossuth	17,163	0	1	1	0.7	40
Lyon	11,763	2	0	0	0.7	40

2007-2009 ALCOHOL FATALITIES BY RANK & COUNTY

<u>County</u>	<u>Population*</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>Average</u>	<u>Rank</u>
Madison	14,019	0	1	1	0.7	40
Marion	32,052	1	1	0	0.7	40
Sac	11,529	0	0	2	0.7	40
Warren	40,671	0	1	1	0.7	40
Wright	14,334	1	0	1	0.7	40
Adair	8,243	0	0	1	0.3	56
Adams	4,482	0	0	1	0.3	56
Boone	26,224	0	0	1	0.3	56
Butler	15,305	1	0	0	0.3	56
Calhoun	11,115	0	0	1	0.3	56
Cass	14,684	0	0	1	0.3	56
Cedar	18,187	1	0	0	0.3	56
Cherokee	13,035	0	1	0	0.3	56
Clay	17,372	0	1	0	0.3	56
Delaware	18,404	0	0	1	0.3	56
Floyd	16,900	0	1	0	0.3	56
Franklin	10,704	0	0	1	0.3	56
Fremont	8,010	0	0	1	0.3	56
Guthrie	11,353	0	0	1	0.3	56
Hardin	18,812	0	0	1	0.3	56
Harrison	15,666	1	0	0	0.3	56
Howard	9,932	1	0	0	0.3	56
Ida	7,837	0	1	0	0.3	56
Iowa	15,671	1	0	0	0.3	56
Lucas	9,422	0	1	0	0.3	56
Mahaska	22,335	1	0	0	0.3	56
Mitchell	10,874	0	1	0	0.3	56
O'Brien	15,102	1	0	0	0.3	56
Osceola	7,003	1	0	0	0.3	56
Page	16,976	1	0	0	0.3	56
Poweshiek	18,815	0	1	0	0.3	56
Van Buren	7,809	0	1	0	0.3	56
Wapello	36,051	0	1	0	0.3	56
Winnebago	11,723	1	0	0	0.3	56
Audubon	6,830	0	0	0	0.0	85
Bremer	23,325	0	0	0	0.0	85
Chickasaw	13,095	0	0	0	0.0	85
Decatur	8,689	0	0	0	0.0	85
Dickinson	16,424	0	0	0	0.0	85
Emmet	11,027	0	0	0	0.0	85
Keokuk	11,400	0	0	0	0.0	85
Monroe	8,016	0	0	0	0.0	85
Montgomery	11,771	0	0	0	0.0	85
Palo Alto	10,147	0	0	0	0.0	85
Pocahontas	8,662	0	0	0	0.0	85
Ringgold	5,469	0	0	0	0.0	85
Taylor	6,958	0	0	0	0.0	85
Union	12,309	0	0	0	0.0	85
Wayne	6,730	0	0	0	0.0	85

* 2000 Census

2007-2009 IOWA TRAFFIC INJURIES

<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>% of Change 2007 - 2009</u>
26,478	22,204	19,981	-24.54%

HIGHLIGHTS:

- ✦ Overall, traffic injuries decreased from 2007 to 2009, falling by nearly 6,500 or 24.5%.
- ✦ Polk County has the most traffic injuries, averaging over 3,650 per year.
- ✦ Polk, Scott, Linn and Black Hawk counties each averaged 1,000 or more injuries per year while Pottawattamie, Woodbury and Johnson counties averaged 850 or more traffic injuries annually during the 2007 - 2009 time period.
- ✦ On an average day, more than 60 Iowans are injured in traffic crashes on our state's streets and highways.
- ✦ Seventy-one Iowa counties averaged 150 or less injuries per year.

2007-2009 TOTAL INJURIES BY RANK & COUNTY

<u>County</u>	<u>Population*</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>Average</u>	<u>Rank</u>
Polk	374,601	4,255	3,539	3180	3,658	1
Scott	158,668	1,808	1,695	1605	1,703	2
Linn	191,701	1,388	1,433	1356	1,392	3
Black Hawk	128,012	1,116	1,054	853	1,008	4
Pottawattamie	87,704	1,053	998	896	982	5
Woodbury	103,877	988	867	864	906	6
Johnson	111,006	949	865	744	853	7
Dubuque	89,143	834	659	593	695	8
Story	79,981	675	529	475	560	9
Clinton	50,149	580	396	368	448	10
Warren	40,671	634	346	303	428	11
Cerro Gordo	46,447	471	429	353	418	12
Wapello	36,051	376	376	278	343	13
Webster	40,235	418	309	283	337	14
Des Moines	42,351	430	291	260	327	15
Dallas	40,750	366	290	294	317	16
Marshall	39,311	369	264	197	277	17
Sioux	31,589	284	274	227	262	18
Muscatine	41,722	296	269	184	250	19
Marion	32,052	284	227	230	247	20
Jasper	37,213	295	251	183	243	21
Lee	38,052	333	193	181	236	22
Harrison	15,666	216	167	156	180	23
Boone	26,224	227	144	167	179	24
Plymouth	24,849	204	164	151	173	25
Bremer	23,325	244	120	121	162	26
Hamilton	16,438	155	165	146	155	27
Mahaska	22,335	157	172	131	153	28
Henry	20,336	232	91	128	150	29
Clay	17,372	175	123	150	149	30
Poweshiek	18,815	149	143	149	147	31
Iowa	15,671	203	143	83	143	32
Washington	20,670	167	143	119	143	32
Buchanan	21,093	157	143	114	138	34
Benton	25,308	137	130	145	137	35
Cedar	18,187	199	127	83	136	36
Hardin	18,812	178	106	121	135	37
Winneshiek	21,310	140	138	127	135	37
Dickinson	16,424	162	118	115	132	39
Tama	18,103	171	137	85	131	40
Jones	20,221	196	107	87	130	41
Jefferson	16,181	123	143	121	129	42
Buena Vista	20,411	164	120	94	126	43
Clayton	18,678	149	127	99	125	44
Delaware	18,404	150	125	88	121	45
Crawford	16,942	136	112	98	115	46
Grundy	12,369	127	112	98	112	47
Appanoose	13,721	127	118	86	110	48
Mills	14,547	107	110	111	109	49
Page	16,976	160	107	61	109	49

2007-2009 TOTAL INJURIES BY RANK & COUNTY

<u>County</u>	<u>Population*</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>Average</u>	<u>Rank</u>
Franklin	10,704	153	90	84	109	49
Carroll	21,421	82	102	135	106	52
Kossuth	17,163	110	102	107	106	52
Fayette	22,008	120	115	82	106	52
Floyd	16,900	124	92	98	105	55
Cass	14,684	126	73	101	100	56
Clarke	9,133	125	103	71	100	56
O'Brien	15,102	96	97	101	98	58
Monona	10,020	115	95	65	92	59
Fremont	8,010	91	78	90	86	60
Adair	8,243	104	70	78	84	61
Jackson	20,296	91	73	88	84	61
Louisa	12,183	127	63	59	83	63
Cherokee	13,035	92	86	58	79	64
Wright	14,334	96	74	61	77	65
Union	12,309	85	83	60	76	66
Greene	10,366	89	60	66	72	67
Calhoun	11,115	63	75	70	69	68
Emmet	11,027	73	68	64	68	69
Sac	11,529	71	67	58	65	70
Hancock	12,100	73	50	72	65	70
Madison	14,019	86	52	56	65	70
Lyon	11,763	64	75	54	64	73
Ida	7,837	67	63	62	64	73
Monroe	8,016	69	56	61	62	75
Guthrie	11,353	71	71	43	62	75
Palo Alto	10,147	43	82	59	61	77
Allamakee	14,675	66	55	60	60	78
Shelby	13,173	54	59	66	60	78
Davis	8,541	81	41	49	57	80
Chickasaw	13,095	41	47	82	57	80
Worth	7,909	66	63	35	55	82
Howard	9,932	71	38	53	54	83
Montgomery	11,771	52	55	53	53	84
Humboldt	10,381	65	47	46	53	84
Lucas	9,422	51	47	41	46	86
Keokuk	11,400	64	33	40	46	86
Mitchell	10,874	41	54	38	44	88
Decatur	8,689	66	36	30	44	88
Osceola	7,003	34	55	39	43	90
Audubon	6,830	48	29	29	35	91
Wayne	6,730	39	36	31	35	91
Butler	15,305	38	38	20	32	93
Van Buren	7,809	37	35	22	31	94
Winnebago	11,723	31	28	30	30	95
Taylor	6,958	40	25	16	27	96
Adams	4,482	35	27	16	26	97
Pocahontas	8,662	22	21	29	24	98
Ringgold	5,469	16	11	12	13	99

*2000 Census

2007-2009 IOWA ALCOHOL TRAFFIC INJURIES

<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>% of Change 2007 - 2009</u>
1,555	1,529	1,432	-7.91%

HIGHLIGHTS:

- ✦ Alcohol-related injuries declined from 2007 to 2009, falling 7.91%.
- ✦ Three Iowa counties averaged 100 or more alcohol-related injuries per year.
- ✦ Eight counties averaged 50 or more alcohol-related injuries per year.
- ✦ Eighty-three counties averaged fewer than 20 alcohol-related injuries per year.

2007-2009 ALCOHOL INJURIES BY RANK & COUNTY

<u>County</u>	<u>Population*</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>Average</u>	<u>Rank</u>
Polk	374,601	201	202	198	200.33	1
Scott	158,668	117	113	99	109.67	2
Linn	191,701	110	99	106	105.00	3
Black Hawk	128,012	75	69	63	69.00	4
Pottawattamie	87,704	66	65	62	64.33	5
Johnson	111,006	62	68	61	63.67	6
Dubuque	89,143	58	70	53	60.33	7
Woodbury	103,877	72	37	69	59.33	8
Story	79,981	46	26	22	31.33	9
Clinton	50,149	29	42	22	31.00	10
Cerro Gordo	46,447	24	29	24	25.67	11
Wapello	36,051	40	17	18	25.00	12
Muscatine	41,722	32	26	15	24.33	13
Marshall	39,311	17	36	15	22.67	14
Warren	40,671	19	21	23	21.00	15
Webster	40,235	14	27	20	20.33	16
Dallas	40,750	24	8	24	18.67	17
Des Moines	42,351	12	24	20	18.67	18
Winneshiek	21,310	25	18	13	18.67	18
Henry	20,336	27	13	13	17.67	20
Lee	38,052	14	18	18	16.67	21
Jasper	37,213	16	18	10	14.67	22
Marion	32,052	14	15	10	13.00	23
O'Brien	15,102	17	9	12	12.67	24
Clayton	18,678	9	21	7	12.33	25
Buena Vista	20,411	10	16	10	12.00	26
Clay	17,372	12	9	15	12.00	26
Harrison	15,666	9	15	12	12.00	26
Plymouth	24,849	11	13	11	11.67	29
Sioux	31,589	10	16	9	11.67	29
Boone	26,224	11	8	15	11.33	31
Crawford	16,942	12	8	14	11.33	31
Fayette	22,008	12	11	11	11.33	31
Hardin	18,812	7	6	20	11.00	34
Washington	20,670	13	8	10	10.33	35
Mills	14,547	11	8	9	9.33	36
Carroll	21,421	4	5	18	9.00	37
Dickinson	16,424	8	10	8	8.67	38
Kossuth	17,163	5	11	10	8.67	38
Benton	25,308	11	8	6	8.33	40
Mahaska	22,335	7	14	4	8.33	40
Cherokee	13,035	7	13	3	7.67	42
Hamilton	16,438	5	9	9	7.67	42
Ida	7,837	10	4	8	7.33	44
Appanoose	13,721	9	3	9	7.00	45
Greene	10,366	6	4	10	6.67	46
Humboldt	10,381	5	11	4	6.67	46
Jefferson	16,181	3	10	7	6.67	46
Monona	10,020	10	6	4	6.67	46
Poweshiek	18,815	9	6	5	6.67	46
Sac	11,529	4	6	10	6.67	46
Howard	9,932	3	2	14	6.33	52

2007-2009 ALCOHOL INJURIES BY RANK & COUNTY

<u>County</u>	<u>Population*</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>Average</u>	<u>Rank</u>
Tama	18,103	8	6	5	6.33	52
Bremer	23,325	6	7	5	6.00	54
Buchanan	21,093	3	10	5	6.00	54
Union	12,309	3	10	5	6.00	54
Allamakee	14,675	7	4	6	5.67	57
Emmet	11,027	4	3	10	5.67	57
Louisa	12,183	6	2	9	5.67	57
Adair	8,243	0	12	4	5.33	60
Calhoun	11,115	6	5	5	5.33	60
Delaware	18,404	5	7	4	5.33	60
Jackson	20,296	6	6	4	5.33	60
Cass	14,684	5	4	6	5.00	64
Franklin	10,704	6	2	7	5.00	64
Grundy	12,369	1	3	11	5.00	64
Madison	14,019	5	4	6	5.00	64
Worth	7,909	11	2	2	5.00	64
Guthrie	11,353	6	6	2	4.67	69
Jones	20,221	6	5	3	4.67	69
Shelby	13,173	9	1	4	4.67	69
Cedar	18,187	4	7	2	4.33	72
Clarke	9,133	8	3	2	4.33	72
Fremont	8,010	4	4	5	4.33	72
Lyon	11,763	3	8	2	4.33	72
Van Buren	7,809	5	4	4	4.33	72
Wright	14,334	2	2	9	4.33	72
Chickasaw	13,095	4	4	4	4.00	78
Montgomery	11,771	4	5	3	4.00	78
Page	16,976	1	7	4	4.00	78
Palo Alto	10,147	4	6	2	4.00	78
Audubon	6,830	3	4	4	3.67	82
Keokuk	11,400	3	3	5	3.67	82
Davis	8,541	8	2	0	3.33	84
Hancock	12,100	4	2	4	3.33	84
Wayne	6,730	5	3	2	3.33	84
Winnebago	11,723	3	4	2	3.00	87
Floyd	16,900	2	5	1	2.67	88
Iowa	15,671	5	3	0	2.67	88
Monroe	8,016	3	3	2	2.67	88
Butler	15,305	4	2	1	2.33	91
Decatur	8,689	2	4	1	2.33	91
Taylor	6,958	5	0	2	2.33	91
Mitchell	10,874	0	5	1	2.00	94
Ringgold	5,469	0	5	1	2.00	94
Adams	4,482	1	1	2	1.33	96
Pocahontas	8,662	1	1	1	1.00	97
Lucas	9,422	0	2	0	0.67	98
Osceola	7,003	0	0	1	0.33	99

*2000 Census

2007-2009 IOWA MAJOR TRAFFIC INJURIES

<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>% of Change 2007 - 2009</u>
1,976	1,850	1,618	-24.54%

HIGHLIGHTS:

- ✦ Serious traffic injuries total 1,618 for 2009, down 232 or 12.54% from the 2008 figure of 1,850.
- ✦ Polk County averaged over 235 serious injuries per year during the 2007 - 2009 time period.
- ✦ Seven counties averaged over 60 serious injuries per year while 15 more counties averaged 20-35 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.

2007-2009 MAJOR INJURIES BY RANK & COUNTY

<u>County</u>	<u>Population*</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>Average</u>	<u>Rank</u>
Polk	374,601	267	248	199	238.0	1
Scott	158,668	105	104	96	101.7	2
Linn	191,701	115	106	70	97.0	3
Black Hawk	128,012	78	82	56	72.0	4
Johnson	111,006	69	75	60	68.0	5
Pottawattamie	87,704	74	61	55	63.3	6
Woodbury	103,877	62	58	61	60.3	7
Dubuque	89,143	39	35	31	35.0	8
Dallas	40,750	29	36	35	33.3	9
Story	79,981	47	27	24	32.7	10
Clinton	50,149	35	33	29	32.3	11
Wapello	36,051	30	37	26	31.0	12
Sioux	31,589	35	29	27	30.3	13
Webster	40,235	27	29	32	29.3	14
Cerro Gordo	46,447	31	34	17	27.3	15
Muscatine	41,722	33	24	21	26.0	16
Lee	38,052	18	36	19	24.3	17
Washington	20,670	18	27	23	22.7	18
Plymouth	24,849	29	17	20	22.0	19
Henry	20,336	27	20	18	21.7	20
Winneshiek	21,310	18	22	24	21.3	21
Warren	40,671	24	15	22	20.3	22
Harrison	15,666	19	22	17	19.3	23
Marshall	39,311	28	17	11	18.7	24
Boone	26,224	26	9	19	18.0	25
Jasper	37,213	24	11	19	18.0	25
Benton	25,308	20	20	13	17.7	27
Des Moines	42,351	19	23	11	17.7	27
Mahaska	22,335	16	18	17	17.0	29
Buena Vista	20,411	18	18	13	16.3	30
Fayette	22,008	14	18	16	16.0	31
Hamilton	16,438	15	21	12	16.0	31
Marion	32,052	18	15	14	15.7	33
Mills	14,547	10	19	14	14.3	34
Poweshiek	18,815	11	16	14	13.7	35
Bremer	23,325	18	12	8	12.7	36
Clarke	9,133	14	16	8	12.7	36
Jefferson	16,181	13	9	16	12.7	36
Hardin	18,812	13	10	13	12.0	39
Tama	18,103	22	7	7	12.0	39
Buchanan	21,093	12	13	9	11.3	41
Clay	17,372	11	4	18	11.0	42
Fremont	8,010	8	6	19	11.0	42
Jackson	20,296	15	8	10	11.0	42
Kossuth	17,163	7	12	14	11.0	42
Louisa	12,183	10	14	9	11.0	42
Lucas	9,422	10	12	11	11.0	42
Allamakee	14,675	13	8	11	10.7	48
Crawford	16,942	15	8	9	10.7	48
Delaware	18,404	14	8	10	10.7	48
Madison	14,019	17	5	10	10.7	48

2007-2009 MAJOR INJURIES BY RANK & COUNTY

<u>County</u>	<u>Population*</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>Average</u>	<u>Rank</u>
Appanoose	13,721	12	11	8	10.3	52
Iowa	15,671	7	16	8	10.3	52
Jones	20,221	19	8	4	10.3	52
Page	16,976	17	4	10	10.3	52
O'Brien	15,102	15	7	8	10.0	56
Calhoun	11,115	10	10	9	9.7	57
Union	12,309	8	15	5	9.3	58
Adair	8,243	5	11	10	8.7	59
Decatur	8,689	10	7	9	8.7	59
Hancock	12,100	5	11	10	8.7	59
Davis	8,541	14	6	5	8.3	62
Floyd	16,900	12	4	9	8.3	62
Greene	10,366	9	5	10	8.0	64
Palo Alto	10,147	12	6	5	7.7	65
Cedar	18,187	5	10	7	7.3	66
Cherokee	13,035	9	11	2	7.3	66
Clayton	18,678	3	12	7	7.3	66
Guthrie	11,353	6	8	8	7.3	66
Worth	7,909	7	8	7	7.3	66
Dickinson	16,424	3	8	10	7.0	71
Grundy	12,369	5	10	6	7.0	71
Sac	11,529	6	9	6	7.0	71
Carroll	21,421	4	7	9	6.7	74
Chickasaw	13,095	5	2	13	6.7	74
Franklin	10,704	6	6	8	6.7	74
Monroe	8,016	4	9	7	6.7	74
Osceola	7,003	4	10	5	6.3	78
Monona	10,020	4	10	4	6.0	79
Wright	14,334	6	7	5	6.0	79
Cass	14,684	5	3	8	5.3	81
Lyon	11,763	5	9	2	5.3	81
Shelby	13,173	5	6	5	5.3	81
Audubon	6,830	8	2	5	5.0	84
Humboldt	10,381	8	4	3	5.0	84
Emmet	11,027	4	4	5	4.3	86
Howard	9,932	6	1	6	4.3	86
Wayne	6,730	6	2	5	4.3	86
Butler	15,305	6	4	2	4.0	89
Mitchell	10,874	7	4	1	4.0	89
Ida	7,837	2	4	5	3.7	91
Keokuk	11,400	4	3	4	3.7	91
Adams	4,482	3	3	4	3.3	93
Pocahontas	8,662	2	3	5	3.3	93
Winnebago	11,723	4	4	2	3.3	93
Taylor	6,958	4	4	1	3.0	96
Ringgold	5,469	3	2	1	2.0	97
Van Buren	7,809	2	4	0	2.0	97
Montgomery	11,771	0	2	3	1.7	99

*2000 Census

2007-2009 IOWA VEHICLE MILES TRAVELED (IN MILLIONS)

<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>% of Change 2007 - 2009</u>
31,476	30,957	31,297	-0.57%

HIGHLIGHTS:

- ✦ Polk, Linn, Scott, Johnson, Pottawattamie and Black Hawk counties each averaged more than one billion vehicle miles traveled during the past three years.
- ✦ Only 18 counties averaged fewer than 100 million vehicle miles traveled annually.

2007-2009 VEHICLE MILES TRAVELED (millions) BY RANK & COUNTY

<u>County</u>	<u>Population*</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>Average</u>	<u>Rank</u>
Polk	374,601	3,972	3,989	3,993	3,984.7	1
Linn	191,701	1,693	1,676	1,774	1,714.3	2
Scott	158,668	1,548	1,497	1,496	1,513.7	3
Johnson	111,006	1,292	1,260	1,258	1,270.0	4
Pottawattamie	87,704	1,277	1,250	1,257	1,261.3	5
Black Hawk	128,012	1,166	1,143	1,170	1,159.7	6
Woodbury	103,877	859	852	853	854.7	7
Story	79,981	800	770	775	781.7	8
Dubuque	89,143	701	690	730	707.0	9
Dallas	40,750	629	622	629	626.7	10
Jasper	37,213	637	590	596	607.7	11
Cerro Gordo	46,447	564	542	552	552.7	12
Warren	40,671	545	550	556	550.3	13
Cedar	18,187	438	423	428	429.7	14
Clinton	50,149	426	419	419	421.3	15
Iowa	15,671	410	400	405	405.0	16
Poweshiek	18,815	383	376	380	379.7	17
Hamilton	16,438	374	367	369	370.0	18
Muscatine	41,722	365	359	362	362.0	19
Webster	40,235	361	357	357	358.3	20
Des Moines	42,351	324	318	319	320.3	21
Marshall	39,311	323	318	319	320.0	22
Lee	38,052	312	307	310	309.7	23
Wapello	36,051	307	302	298	302.3	24
Cass	14,684	289	291	295	291.7	25
Benton	25,308	291	290	291	290.7	26
Marion	32,052	291	289	291	290.3	27
Sioux	31,589	291	288	290	289.7	28
Harrison	15,666	280	274	277	277.0	29
Plymouth	24,849	278	274	277	276.3	30
Buchanan	21,093	266	264	265	265.0	31
Boone	26,224	263	260	261	261.3	32
Washington	20,670	260	256	260	258.7	33
Adair	8,243	260	248	250	252.7	34
Bremer	23,325	239	236	248	241.0	35
Mills	14,547	234	232	234	233.3	36
Mahaska	22,335	232	228	231	230.3	37
Franklin	10,704	228	209	211	216.0	38
Henry	20,336	216	213	214	214.3	39
Delaware	18,404	209	207	211	209.0	40
Hardin	18,812	205	207	214	208.7	41
Monona	10,020	210	202	204	205.3	42
Winneshiek	21,310	200	198	201	199.7	43
Grundy	12,369	198	195	199	197.3	44
Jones	20,221	197	194	200	197.0	45
Carroll	21,421	195	196	196	195.7	46
Fremont	8,010	187	187	189	187.7	47
Floyd	16,900	184	181	196	187.0	48
Fayette	22,008	189	187	180	185.3	49
Clay	17,372	186	183	184	184.3	50
Worth	7,909	186	178	187	183.7	51
Clayton	18,678	185	183	179	182.3	52
Dickinson	16,424	183	181	183	182.3	52

2007-2009 VEHICLE MILES TRAVELED (millions) BY RANK & COUNTY

<u>County</u>	<u>Population*</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>Average</u>	<u>Rank</u>
Jackson	20,296	183	181	179	181.0	54
Clarke	9,133	179	174	176	176.3	55
Tama	18,103	179	177	166	174.0	56
Decatur	8,689	176	170	172	172.7	57
Kossuth	17,163	170	168	169	169.0	58
Buena Vista	20,411	168	166	167	167.0	59
Crawford	16,942	165	164	165	164.7	60
Wright	14,334	151	145	146	147.3	61
O'Brien	15,102	139	138	139	138.7	62
Jefferson	16,181	130	131	131	130.7	63
Chickasaw	13,095	127	126	133	128.7	64
Madison	14,019	130	124	125	126.3	65
Page	16,976	129	121	121	123.7	66
Allamakee	14,675	125	124	121	123.3	67
Sac	11,529	123	122	123	122.7	68
Hancock	12,100	122	121	121	121.3	69
Butler	15,305	114	113	122	116.3	70
Cherokee	13,035	117	116	116	116.3	70
Lyon	11,763	116	115	115	115.3	72
Union	12,309	117	112	112	113.7	73
Calhoun	11,115	113	112	112	112.3	74
Keokuk	11,400	112	110	111	111.0	75
Shelby	13,173	114	109	109	110.7	76
Appanoose	13,721	108	107	107	107.3	77
Greene	10,366	110	106	106	107.3	77
Palo Alto	10,147	104	102	103	103.0	79
Humboldt	10,381	103	102	101	102.0	80
Louisa	12,183	102	101	101	101.3	81
Guthrie	11,353	101	98	98	99.0	82
Pocahontas	8,662	100	98	99	99.0	82
Montgomery	11,771	95	93	93	93.7	84
Mitchell	10,874	92	91	92	91.7	85
Howard	9,932	90	89	95	91.3	86
Lucas	9,422	89	89	90	89.3	87
Monroe	8,016	88	87	88	87.7	88
Emmet	11,027	85	84	85	84.7	89
Osceola	7,003	84	83	84	83.7	90
Winnebago	11,723	83	82	82	82.3	91
Davis	8,541	81	80	80	80.3	92
Ida	7,837	78	77	78	77.7	93
Van Buren	7,809	72	71	71	71.3	94
Wayne	6,730	65	64	65	64.7	95
Audubon	6,830	58	58	58	58.0	96
Ringgold	5,469	54	53	52	53.0	97
Taylor	6,958	48	48	48	48.0	98
Adams	4,482	49	47	47	47.7	99

*2000 Census

2007-2009 IOWA OWI REVOCATIONS

<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>% of Change 2007 - 2009</u>
20664*	20745*	19984*	-3.29%

* Totals include non-resident revocations.

HIGHLIGHTS:

- ✦ Polk County had the most OWI revocations of all counties, averaging over 2,100 OWI revocations annually. Both Linn and Johnson counties follow with both averaging more than 1,100 OWI revocations annually.
- ✦ Fifty-six counties averaged fewer than 100 OWI revocations annually.

2007 - 2009 OWI REVOCATIONS BY RANK & COUNTY

<u>County</u>	<u>Population*</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>Average</u>	<u>Rank</u>
Polk	374,601	2,111	2,341	1,952	2,134.7	1
Linn	191,701	1,481	1,388	1,121	1,330.0	2
Johnson	111,006	1,383	1357	679	1,139.7	3
Woodbury	103,877	967	1170	815	984.0	4
Scott	158,668	775	798	479	684.0	5
Dubuque	89,143	732	689	364	595.0	6
Black Hawk	128,012	604	710	381	565.0	7
Story	79,981	549	677	385	537.0	8
Pottawattamie	87,704	486	493	335	438.0	9
Cerro Gordo	46,447	427	375	289	363.7	10
Clinton	50,149	382	396	195	324.3	11
Muscatine	41,722	378	386	180	314.7	12
Marshall	39,311	335	345	223	301.0	13
Wapello	36,051	288	326	223	279.0	14
Webster	40,235	197	294	300	263.7	15
Des Moines	42,351	316	287	150	251.0	16
Boone	26,224	361	231	109	233.7	17
Dallas	40,750	290	218	149	219.0	18
Dickinson	16,424	267	236	127	210.0	19
Lee	38,052	217	258	141	205.3	20
Jasper	37,213	213	232	143	196.0	21
Warren	40,671	223	228	105	185.3	22
Marion	32,052	247	169	120	178.7	23
Mahaska	22,335	141	229	156	175.3	24
Clay	17,372	166	222	124	170.7	25
Bremer	23,325	211	178	106	165.0	26
Fayette	22,008	146	179	100	141.7	27
Plymouth	24,849	144	165	112	140.3	28
Buena Vista	20,411	160	157	89	135.3	29
Carroll	21,421	179	130	90	133.0	30
Winneshiek	21,310	202	152	43	132.3	31
Sioux	31,589	146	146	98	130.0	32
Tama	18,103	141	155	88	128.0	33
Washington	20,670	140	151	85	125.3	34
Crawford	16,942	109	146	112	122.3	35
Harrison	15,666	131	132	93	118.7	36
Hamilton	16,438	120	158	77	118.3	37
Hardin	18,812	138	112	95	115.0	38
Cedar	18,187	145	123	74	114.0	39
Poweshiek	18,815	160	103	77	113.3	40
Iowa	15,671	157	99	80	112.0	41
Benton	25,308	122	110	93	108.3	42
Clayton	18,678	129	123	73	108.3	42
Henry	20,336	108	129	82	106.3	44
Buchanan	21,093	125	117	73	105.0	45
Appanoose	13,721	117	95	77	96.3	46
Wright	14,334	122	98	63	94.3	47
Jackson	20,296	99	118	64	93.7	48
Chickasaw	13,095	88	103	66	85.7	49
Jefferson	16,181	104	90	60	84.7	50

2007 - 2009 OWI REVOCATIONS BY RANK & COUNTY

<u>County</u>	<u>Population*</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>Average</u>	<u>Rank</u>
Mills	14,547	104	80	67	83.7	51
Franklin	10,704	103	90	56	83.0	52
Louisa	12,183	97	87	63	82.3	53
Cass	14,684	119	72	54	81.7	54
Allamakee	14,675	105	81	58	81.3	55
O'Brien	15,102	71	102	60	77.7	56
Floyd	16,900	84	97	51	77.3	57
Clarke	9,133	71	81	76	76.0	58
Jones	20,221	77	85	61	74.3	59
Delaware	18,404	92	71	57	73.3	60
Winnebago	11,723	47	78	86	70.3	61
Shelby	13,173	73	84	44	67.0	62
Monona	10,020	78	78	44	66.7	63
Keokuk	11,400	50	57	73	60.0	64
Worth	7,909	68	68	39	58.3	65
Page	16,976	45	69	60	58.0	66
Sac	11,529	71	71	32	58.0	66
Emmet	11,027	57	54	56	55.7	68
Palo Alto	10,147	68	55	43	55.3	69
Montgomery	11,771	62	57	45	54.7	70
Cherokee	13,035	61	51	48	53.3	71
Mitchell	10,874	64	64	32	53.3	71
Union	12,309	68	61	29	52.7	73
Guthrie	11,353	56	59	33	49.3	74
Pocahontas	8,662	46	59	42	49.0	75
Howard	9,932	63	47	30	46.7	76
Madison	14,019	50	50	39	46.3	77
Butler	15,305	50	45	38	44.3	78
Osceola	7,003	52	45	32	43.0	79
Ida	7,837	50	51	27	42.7	80
Audubon	6,830	41	46	31	39.3	81
Monroe	8,016	48	39	31	39.3	81
Lucas	9,422	36	39	42	39.0	83
Lyon	11,763	46	38	33	39.0	83
Hancock	12,100	48	35	32	38.3	85
Kossuth	17,163	42	41	29	37.3	86
Humboldt	10,381	51	36	24	37.0	87
Fremont	8,010	45	35	26	35.3	88
Grundy	12,369	33	31	42	35.3	88
Calhoun	11,115	43	32	28	34.3	90
Davis	8,541	29	37	28	31.3	91
Greene	10,366	17	42	35	31.3	91
Van Buren	7,809	31	44	18	31.0	93
Decatur	8,689	33	28	23	28.0	94
Adair	8,243	29	34	19	27.3	95
Wayne	6,730	20	31	31	27.3	95
Ringgold	5,469	27	27	20	24.7	97
Adams	4,482	10	15	13	12.7	98
Taylor	6,958	20	3	9	10.7	99

*2000 Census

2007-2009 SPECIAL USERS GROUP FATALITIES/INJURIES
Motorcycle/Bicycle/Pedestrian

	<u>Motorcycle</u>	<u>Bicycle</u>	<u>Pedestrian</u>
3-YR TOTAL FATALITIES	164	14	65
3-YR TOTAL INJURIES	3,018	1,309	1,564

HIGHLIGHTS:

- ✦ Iowa motorcycle fatalities for 2007-2009 averaged 54.7 annually, a decrease of 4.21% from the 2006 - 2008 average of 57.
- ✦ Bicycle injuries for 2007-2009 averaged 436, a decrease of 3.75% from the 2006-2008 average of 453.
- ✦ Eleven Iowa counties totaled more than 100 motorcycle, bicycle and pedestrian injuries combined during 2007-2009.

2007-2009 SPECIAL USER GROUP FATALITIES BY RANK & COUNTY

Motorcycle/Bicycle/Pedestrian

<u>County</u>	<u>Population*</u>	<u>Motorcycle</u>	<u>Bicycle</u>	<u>Pedestrian</u>	<u>Total Fatalities</u>	<u>Rank</u>
Polk	374,601	18	2	13	33	1
Scott	158,668	13	0	2	15	2
Pottawattamie	87,704	10	0	4	14	3
Black Hawk	128,012	5	1	2	8	4
Clayton	18,678	7	0	1	8	4
Woodbury	103,877	2	0	5	7	6
Dubuque	89,143	3	0	3	6	7
Webster	40,235	4	0	2	6	7
Benton	25,308	4	0	1	5	9
Clay	17,372	4	1	0	5	9
Linn	191,701	5	0	0	5	9
Muscatine	41,722	4	1	0	5	9
Boone	26,224	2	1	1	4	13
Cerro Gordo	46,447	2	1	1	4	13
Des Moines	42,351	2	1	1	4	13
Harrison	15,666	4	0	0	4	13
Jasper	37,213	4	0	0	4	13
Jefferson	16,181	1	0	3	4	13
Johnson	111,006	4	0	0	4	13
Lee	38,052	4	0	0	4	13
Mills	14,547	1	0	3	4	13
Winneshiek	21,310	3	0	1	4	13
Adair	8,243	3	0	0	3	23
Buchanan	21,093	1	1	1	3	23
Clinton	50,149	3	0	0	3	23
Plymouth	24,849	1	0	2	3	23
Story	79,981	1	0	2	3	23
Worth	7,909	2	1	0	3	23
Allamakee	14,675	1	0	1	2	29
Appanoose	13,721	1	0	1	2	29
Calhoun	11,115	1	0	1	2	29
Cass	14,684	0	1	1	2	29
Chickasaw	13,095	1	0	1	2	29
Clarke	9,133	0	0	2	2	29
Delaware	18,404	1	0	1	2	29
Fremont	8,010	1	0	1	2	29
Grundy	12,369	1	0	1	2	29
Ida	7,837	2	0	0	2	29
Louisa	12,183	1	1	0	2	29
Lucas	9,422	2	0	0	2	29
Madison	14,019	2	0	0	2	29
Marshall	39,311	2	0	0	2	29
Montgomery	11,771	2	0	0	2	29
O'Brien	15,102	1	1	0	2	29
Osceola	7,003	2	0	0	2	29
Sioux	31,589	2	0	0	2	29
Warren	40,671	1	1	0	2	29
Washington	20,670	2	0	0	2	29
Winnebago	11,723	1	0	1	2	29
Bremer	23,325	1	0	0	1	50

2007-2009 SPECIAL USER GROUP FATALITIES BY RANK & COUNTY

Motorcycle/Bicycle/Pedestrian

<u>County</u>	<u>Population*</u>	<u>Motorcycle</u>	<u>Bicycle</u>	<u>Pedestrian</u>	<u>Total Fatalities</u>	<u>Rank</u>
Buena Vista	20,411	0	0	1	1	50
Butler	15,305	1	0	0	1	50
Cedar	18,187	1	0	0	1	50
Cherokee	13,035	1	0	0	1	50
Crawford	16,942	0	0	1	1	50
Dallas	40,750	1	0	0	1	50
Davis	8,541	0	0	1	1	50
Decatur	8,689	1	0	0	1	50
Fayette	22,008	1	0	0	1	50
Franklin	10,704	0	0	1	1	50
Greene	10,366	1	0	0	1	50
Hancock	12,100	1	0	0	1	50
Hardin	18,812	1	0	0	1	50
Iowa	15,671	0	0	1	1	50
Jackson	20,296	1	0	0	1	50
Keokuk	11,400	1	0	0	1	50
Marion	32,052	1	0	0	1	50
Mitchell	10,874	1	0	0	1	50
Monona	10,020	0	0	1	1	50
Monroe	8,016	1	0	0	1	50
Page	16,976	1	0	0	1	50
Poweshiek	18,815	1	0	0	1	50
Shelby	13,173	1	0	0	1	50
Van Buren	7,809	1	0	0	1	50
Wapello	36,051	1	0	0	1	50
Adams	4,482	0	0	0	0	76
Audubon	6,830	0	0	0	0	76
Carroll	21,421	0	0	0	0	76
Dickinson	16,424	0	0	0	0	76
Emmet	11,027	0	0	0	0	76
Floyd	16,900	0	0	0	0	76
Guthrie	11,353	0	0	0	0	76
Hamilton	16,438	0	0	0	0	76
Henry	20,336	0	0	0	0	76
Howard	9,932	0	0	0	0	76
Humboldt	10,381	0	0	0	0	76
Jones	20,221	0	0	0	0	76
Kossuth	17,163	0	0	0	0	76
Lyon	11,763	0	0	0	0	76
Mahaska	22,335	0	0	0	0	76
Palo Alto	10,147	0	0	0	0	76
Pocahontas	8,662	0	0	0	0	76
Ringgold	5,469	0	0	0	0	76
Sac	11,529	0	0	0	0	76
Tama	18,103	0	0	0	0	76
Taylor	6,958	0	0	0	0	76
Union	12,309	0	0	0	0	76
Wayne	6,730	0	0	0	0	76
Wright	14,334	0	0	0	0	76

*2000 Census

2007-2009 SPECIAL USER GROUP INJURIES BY RANK & COUNTY
Motorcycle/Bicycle/Pedestrian

<u>County</u>	<u>Population*</u>	<u>Motorcycle</u>	<u>Bicycle</u>	<u>Pedestrian</u>	<u>Total Injuries</u>	<u>Rank</u>
Polk	374,601	389	227	331	947	1
Scott	158,668	222	141	146	509	2
Linn	191,701	213	91	97	401	3
Johnson	111,006	124	97	95	316	4
Pottawattamie	87,704	183	57	71	311	5
Woodbury	103,877	155	68	85	308	6
Black Hawk	128,012	128	76	75	279	7
Dubuque	89,143	73	39	86	198	8
Story	79,981	75	68	40	183	9
Clinton	50,149	67	24	35	126	10
Cerro Gordo	46,447	58	30	17	105	11
Des Moines	42,351	46	25	28	99	12
Webster	40,235	52	21	25	98	13
Wapello	36,051	34	22	29	85	14
Muscatine	41,722	46	18	20	84	15
Dallas	40,750	28	17	23	68	16
Lee	38,052	47	13	7	67	17
Marshall	39,311	28	18	20	66	18
Jasper	37,213	38	11	13	62	19
Harrison	15,666	47	6	8	61	20
Warren	40,671	45	5	11	61	20
Marion	32,052	28	14	18	60	22
Jefferson	16,181	17	16	6	39	23
Winneshiek	21,310	27	6	6	39	23
Plymouth	24,849	29	4	5	38	25
Clay	17,372	21	10	6	37	26
Buchanan	21,093	15	13	8	36	27
Mahaska	22,335	19	8	8	35	28
Hamilton	16,438	16	7	11	34	29
Sioux	31,589	16	6	12	34	29
Kossuth	17,163	27	1	5	33	31
Fayette	22,008	24	7	1	32	32
Henry	20,336	20	2	8	30	33
Benton	25,308	17	4	8	29	34
Dickinson	16,424	19	7	2	28	35
Jones	20,221	26	0	2	28	35
Boone	26,224	18	5	4	27	37
Iowa	15,671	19	5	3	27	37
Page	16,976	18	2	7	27	37
Clarke	9,133	16	1	8	25	40
Crawford	16,942	10	3	12	25	40
Floyd	16,900	15	6	4	25	40
Mills	14,547	20	1	4	25	40
Washington	20,670	16	5	4	25	40
Bremer	23,325	17	6	1	24	45
Delaware	18,404	12	2	9	23	46
Fremont	8,010	19	3	1	23	46
Carroll	21,421	12	4	6	22	48
Union	12,309	12	3	7	22	48
Appanoose	13,721	10	4	7	21	50

2007-2009 SPECIAL USER GROUP INJURIES BY RANK & COUNTY
Motorcycle/Bicycle/Pedestrian

<u>County</u>	<u>Population*</u>	<u>Motorcycle</u>	<u>Bicycle</u>	<u>Pedestrian</u>	<u>Total Injuries</u>	<u>Rank</u>
Tama	18,103	15	2	4	21	50
Howard	9,932	10	5	5	20	52
Jackson	20,296	14	0	6	20	52
Monona	10,020	18	1	1	20	52
Poweshiek	18,815	11	7	2	20	52
Lucas	9,422	14	3	2	19	56
Madison	14,019	14	4	1	19	56
Buena Vista	20,411	12	2	4	18	58
Decatur	8,689	8	0	10	18	58
Cedar	18,187	13	3	1	17	60
Clayton	18,678	12	0	5	17	60
Winnebago	11,723	13	0	4	17	60
Cass	14,684	11	1	4	16	63
Davis	8,541	4	0	12	16	63
Wright	14,334	5	6	5	16	63
Emmet	11,027	11	4	0	15	66
Calhoun	11,115	10	3	1	14	67
Guthrie	11,353	12	1	1	14	67
Greene	10,366	6	3	4	13	69
Grundy	12,369	4	5	4	13	69
Hardin	18,812	5	4	4	13	69
Lyon	11,763	9	1	3	13	69
Montgomery	11,771	5	2	6	13	69
Worth	7,909	10	1	2	13	69
Hancock	12,100	11	1	0	12	75
O'Brien	15,102	8	2	2	12	75
Allamakee	14,675	9	1	1	11	77
Louisa	12,183	9	0	2	11	77
Mitchell	10,874	9	2	0	11	77
Palo Alto	10,147	9	1	1	11	77
Shelby	13,173	6	2	3	11	77
Cherokee	13,035	7	2	1	10	82
Franklin	10,704	2	6	2	10	82
Osceola	7,003	5	2	3	10	82
Monroe	8,016	7	0	2	9	85
Adams	4,482	6	0	2	8	86
Humboldt	10,381	7	0	1	8	86
Adair	8,243	5	0	2	7	88
Ida	7,837	6	1	0	7	88
Audubon	6,830	6	0	0	6	90
Taylor	6,958	5	0	1	6	90
Van Buren	7,809	5	1	0	6	90
Chickasaw	13,095	4	0	0	4	93
Keokuk	11,400	4	0	0	4	93
Sac	11,529	2	1	1	4	93
Butler	15,305	2	0	1	3	96
Ringgold	5,469	2	0	1	3	96
Wayne	6,730	2	0	1	3	96
Pocahontas	8,662	1	0	1	2	99

*2000 Census

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:

- Approximately 67% of Iowa's total population.
- Nearly 46% all traffic fatalities in the State.
- Over 55% of all alcohol-related traffic fatalities over the past three years.
- Sixty (60%) of all serious traffic injuries over the past three years.
- Fifty-nine percent (59%) of all Vehicle Miles Traveled in Iowa in 2009.
- Forty-four percent (44%) of the OWI revocations that occurred in Iowa in 2009.
- Fifty-six percent (56%) 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 2012 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, safety 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 federal highway safety funds to support special enforcement initiatives. All law enforcement agencies in Iowa with at least one full-time officer are eligible to apply for Iowa's special traffic enforcement program sSTEP, which currently involves sheriffs' offices, local police departments, the Iowa State Patrol and the DOT's Motor Vehicle Enforcement Division. GTSB funding is represented in law enforcement agencies in 98 of Iowa's 99 counties.

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 sSTEP program

available to all 99 counties, the Iowa State Patrol conducts GTSB funded enforcement efforts 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 of partnerships contributing to the State's highway safety initiatives. 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.

Iowa has also seen a positive impact through the utilization of Multi-Disciplinary Safety Teams (MDSTs). The viewpoints, expertise and knowledge of the traffic safety professionals provides for a unity in regard to traffic safety problems and strategies. We continue to encourage the development of new MDSTs in Iowa.

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>Population*</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	374,601	1	1	1	1	1	1	1	1	1
Scott	158,668	4	2	2	2	2	3	5	2	2
Linn	191,701	3	6	3	3	3	2	2	3	3
Pottawattamie	87,704	2	3	5	5	6	5	9	3	4
Black Hawk	128,012	7	5	4	4	4	6	7	6	5
Woodbury	103,877	6	4	6	8	7	7	4	5	6
Dubuque	89,143	10	17	8	7	8	9	6	8	7
Johnson	111,006	5	12	7	6	5	4	3	7	8
Story	79,981	13	7	9	9	10	8	8	17	9
Clinton	50,149	10	12	10	10	11	15	11	9	10
Cerro Gordo	46,447	14	25	12	11	15	12	10	10	11
Webster	40,235	7	17	14	16	14	20	15	13	12
Jasper	37,213	9	7	21	22	25	11	21	13	13
Des Moines	42,351	20	40	15	18	27	21	16	11	14
Marshall	39,311	18	9	17	14	24	22	13	13	14
Lee	38,052	26	25	22	21	17	23	20	16	16
Warren	40,671	18	40	11	15	22	13	22	21	17
Dallas	40,750	23	25	16	17	9	10	18	25	18
Muscatine	41,722	23	25	19	13	16	19	12	11	19
Wapello	36,051	47	56	13	12	12	24	14	23	20
Sioux	31,589	16	25	18	29	13	28	32	20	21
Plymouth	24,849	16	9	25	29	19	30	28	27	22
Marion	32,052	40	40	20	23	33	27	23	22	23
Boone	26,224	12	56	24	31	25	32	17	25	24
Benton	25,308	21	12	35	40	27	26	42	33	25
Hamilton	16,438	23	40	27	42	31	18	37	44	26
Clay	17,372	36	56	30	26	42	50	25	19	27
Winneshiek	21,310	27	12	37	18	21	43	31	51	27
Harrison	15,666	56	56	23	26	23	29	36	18	29
Mahaska	22,335	47	56	28	40	29	37	24	37	30
Buchanan	21,093	32	17	34	54	41	31	45	31	31
Washington	20,670	27	25	32	35	18	33	34	36	32
Henry	20,336	47	25	29	20	20	39	44	38	33
Poweshiek	18,815	14	56	31	46	35	17	40	51	34
Mills	14,547	40	25	49	36	34	36	51	24	35
Fayette	22,008	47	40	52	31	31	49	27	35	36
Clayton	18,678	21	17	44	25	66	52	42	29	37
Iowa	15,671	36	56	32	88	52	16	41	51	38
Appanoose	13,721	40	17	48	45	52	77	46	30	39
Buena Vista	20,411	36	9	43	26	30	59	29	87	40
Tama	18,103	27	25	40	52	39	56	33	69	41
Cedar	18,187	66	56	36	72	66	14	39	67	42
Clarke	9,133	56	40	56	72	36	55	58	34	42
Hardin	18,812	32	56	37	34	39	41	38	60	44
Delaware	18,404	56	56	45	60	48	40	60	27	45
Jefferson	16,181	32	40	42	46	36	63	50	32	46
Monona	10,020	40	17	59	46	79	42	63	38	47
Bremer	23,325	73	85	26	54	36	35	26	41	48
Dickinson	16,424	83	85	39	38	71	52	19	55	49

PROBLEM IDENTIFICATION COMPOSITE RANKING BY COUNTY

<u>County</u>	<u>Population*</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	15,102	69	56	58	24	56	62	56	54	50
Jackson	20,296	27	17	61	60	42	54	48	57	51
Crawford	16,942	40	40	46	31	48	60	35	44	52
Jones	20,221	56	12	41	69	52	45	59	63	53
Cherokee	13,035	68	56	64	42	66	70	71	78	54
Carroll	21,421	40	25	52	37	74	46	30	82	55
Louisa	12,183	36	25	63	57	42	81	53	42	55
Allamakee	14,675	27	17	78	57	48	67	55	47	57
Fremont	8,010	47	56	60	72	42	47	88	40	58
Floyd	16,900	83	56	55	88	62	48	57	44	59
Cass	14,684	66	56	56	64	81	25	54	49	60
Union	12,309	56	85	66	54	58	73	73	64	60
Grundy	12,369	56	40	47	64	71	44	88	62	62
Lyon	11,763	93	40	73	72	81	72	83	58	62
Kossuth	17,163	77	40	52	38	42	58	86	71	64
Worth	7,909	77	25	82	64	66	51	65	58	65
Wright	14,334	69	40	65	72	79	61	47	67	66
Page	16,976	77	56	49	78	52	66	66	71	67
Madison	14,019	83	40	70	64	48	65	77	60	68
Greene	10,366	47	40	67	46	64	77	91	70	69
Sac	11,529	32	40	70	46	71	68	66	89	70
Franklin	10,704	56	56	49	64	74	38	52	78	71
Ida	7,837	47	56	73	44	91	93	80	71	72
Calhoun	11,115	77	56	68	60	57	74	90	42	73
Humboldt	10,381	77	25	84	46	84	80	87	71	74
Guthrie	11,353	77	56	75	69	66	82	74	92	75
Decatur	8,689	83	85	88	91	59	57	94	65	76
Howard	9,932	83	56	83	52	86	86	76	86	77
Butler	15,305	40	56	93	91	89	70	78	89	78
Hancock	12,100	56	25	70	84	59	69	85	91	78
Adair	8,243	47	56	61	60	59	34	95	82	80
Lucas	9,422	56	56	86	98	42	87	83	47	80
Keokuk	11,400	69	85	86	82	91	75	64	65	82
Shelby	13,173	56	25	78	69	81	76	62	82	83
Chickasaw	13,095	83	85	80	78	74	64	49	88	84
Palo Alto	10,147	69	85	77	78	65	79	69	93	85
Mitchell	10,874	83	56	88	94	89	85	71	75	86
Montgomery	11,771	73	85	84	78	99	84	70	55	87
Monroe	8,016	73	85	75	88	74	88	81	77	88
Davis	8,541	47	40	80	84	62	92	91	78	89
Winnebago	11,723	83	56	95	87	93	91	61	49	90
Osceola	7,003	83	56	90	99	78	90	79	82	91
Van Buren	7,809	73	56	94	72	97	94	93	75	92
Emmet	11,027	97	85	69	57	86	89	68	81	93
Audubon	6,830	93	85	91	82	84	96	81	96	94
Pocahontas	8,662	98	85	98	97	93	82	75	98	95
Wayne	6,730	98	85	91	84	86	95	95	99	96
Taylor	6,958	96	85	96	91	96	98	99	94	97
Adams	4,482	93	56	97	96	93	99	98	94	98
Ringgold	5,469	83	85	99	94	97	97	97	96	99

*2000 Census

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

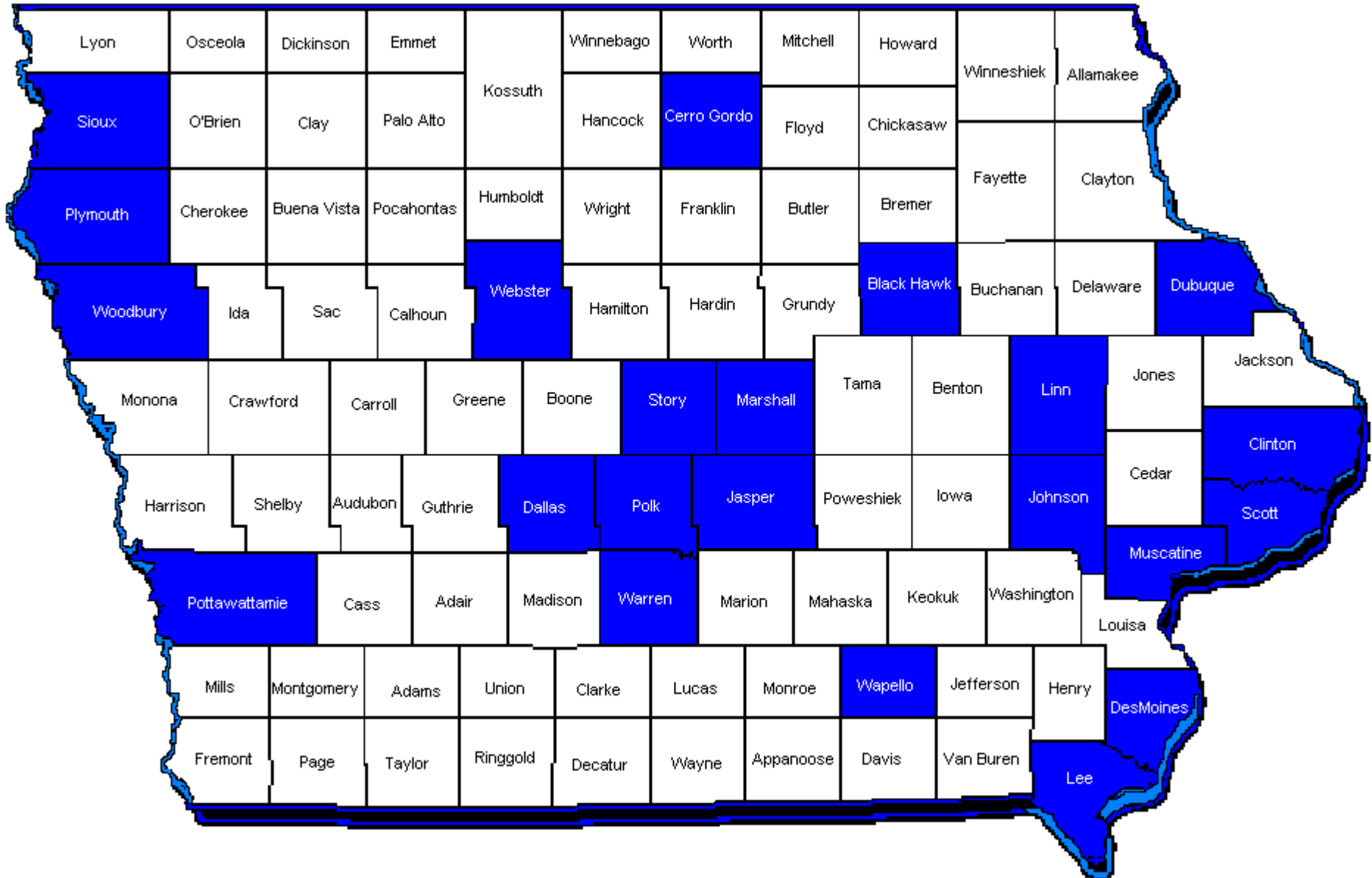
January 19, 2011

TOP 22 PROBLEM COUNTIES & CITIES

(cities with populations of 5,000 or more - 1/11/11)

<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 2012



PROBLEM ID ALCOHOL RELATED COMPOSITE RANK BY COUNTY

<u>County</u>	<u>Population*</u>	<u>A/R Fatals</u>	<u>A/R Injury</u>	<u>OWI Revokes</u>	<u>Overall Rank</u>
Polk	374,601	1	1	1	1
Scott	158,668	2	2	5	2
Linn	191,701	6	3	2	3
Black Hawk	128,012	5	4	7	4
Pottawattamie	87,704	3	5	9	5
Woodbury	103,877	4	8	4	6
Dubuque	89,143	17	7	6	7
Story	79,981	7	9	8	8
Des Moines	42,351	40	18	16	9
Clinton	50,149	12	10	11	10
Johnson	111,006	12	6	3	10
Marshall	39,311	9	14	13	12
Webster	40,235	17	16	15	13
Cerro Gordo	46,447	25	11	10	14
Jasper	37,213	7	22	21	15
Lee	38,052	25	21	20	15
Wapello	36,051	56	12	14	17
Winneshiek	21,310	12	18	31	17
Muscatine	41,722	25	13	12	19
Plymouth	24,849	9	29	28	20
Dallas	40,750	25	17	18	21
Warren	40,671	40	15	22	22
Sioux	31,589	25	29	32	23
Clay	17,372	56	26	25	24
Buena Vista	20,411	9	26	29	25
Benton	25,308	12	40	42	26
Marion	32,052	40	23	23	26
Hamilton	16,438	40	42	37	28
Boone	26,224	56	31	17	29
Henry	20,336	25	20	44	29
Appanoose	13,721	17	45	46	31
Clayton	18,678	17	25	42	32
Tama	18,103	25	52	33	33
Washington	20,670	25	35	34	34
Mahaska	22,335	56	40	24	35
Fayette	22,008	40	31	27	36
Harrison	15,666	56	26	36	37
Buchanan	21,093	17	54	45	38
Mills	14,547	25	36	51	39
Carroll	21,421	25	37	30	40
Dickinson	16,424	85	38	19	41
Crawford	16,942	40	31	35	42
Allamakee	14,675	17	57	55	43
O'Brien	15,102	56	24	56	44
Cedar	18,187	56	72	39	45
Monona	10,020	17	46	63	45
Jackson	20,296	17	60	48	47
Hardin	18,812	56	34	38	48
Poweshiek	18,815	56	46	40	48

PROBLEM ID ALCOHOL RELATED COMPOSITE RANK BY COUNTY

<u>County</u>	<u>Population*</u>	<u>A/R Fatals</u>	<u>A/R Injury</u>	<u>OWI Revokes</u>	<u>Overall Rank</u>
Lyon	11,763	40	72	83	50
Delaware	18,404	56	60	60	51
Iowa	15,671	56	88	41	52
Clarke	9,133	40	72	58	53
Ida	7,837	56	44	80	54
Worth	7,909	25	64	65	55
Cherokee	13,035	56	42	71	56
Jefferson	16,181	40	46	50	56
Louisa	12,183	25	57	53	58
Jones	20,221	12	69	59	59
Howard	9,932	56	52	76	60
Bremer	23,325	85	54	26	61
Humboldt	10,381	25	46	87	61
Greene	10,366	40	46	91	63
Kossuth	17,163	40	38	86	64
Shelby	13,173	25	69	62	65
Floyd	16,900	56	88	57	66
Guthrie	11,353	56	69	74	66
Wright	14,334	40	72	47	68
Madison	14,019	40	64	77	69
Cass	14,684	56	64	54	70
Chickasaw	13,095	85	78	49	71
Page	16,976	56	78	66	71
Union	12,309	85	54	73	73
Butler	15,305	56	91	78	74
Sac	11,529	40	46	66	74
Mitchell	10,874	56	94	71	76
Hancock	12,100	25	84	85	77
Calhoun	11,115	56	60	90	78
Franklin	10,704	56	64	52	79
Palo Alto	10,147	85	78	69	80
Osceola	7,003	56	99	79	81
Van Buren	7,809	56	72	93	81
Winnebago	11,723	56	87	61	81
Fremont	8,010	56	72	88	84
Monroe	8,016	85	88	81	85
Montgomery	11,771	85	78	70	86
Grundy	12,369	40	64	88	87
Emmet	11,027	85	57	68	88
Adair	8,243	56	60	95	89
Davis	8,541	40	84	91	90
Lucas	9,422	56	98	83	90
Keokuk	11,400	85	82	64	92
Pocahontas	8,662	85	97	75	93
Audubon	6,830	85	82	81	94
Wayne	6,730	85	84	95	94
Decatur	8,689	85	91	94	96
Adams	4,482	56	96	98	97
Taylor	6,958	85	91	99	98
Ringgold	5,469	85	94	97	99

*2000 Census

IOWA'S TOP 40 ALCOHOL PROBLEM IDENTIFICATION COUNTIES

APPANOOSE	LEE
BENTON	LINN
BLACK HAWK	MAHASKA
BOONE	MARION
BUCHANAN	MARSHALL
BUENA VISTA	MILLS
CARROLL	MUSCATINE
CERRO GORDO	PLYMOUTH
CLAY	POLK
CLAYTON	POTTAWATTAMIE
CLINTON	SCOTT
DALLAS	SIOUX
DES MOINES	STORY
DUBUQUE	TAMA
FAYETTE	WAPELLO
HAMILTON	WARREN
HARRISON	WASHINGTON
HENRY	WEBSTER
JASPER	WINNESHIEK
JOHNSON	WOODBURY

January 19, 2011

IOWA'S TOP 40 ALCOHOL PROBLEM COUNTIES - FFY 2012

