

# CRASHES BY COUNTY FOR CSAHs & CO RDs ONLY (2006 - 2010)

County	Crashes 2006-2010 on All Route Types <sup>1</sup>							Total Crashes	Demand Vehicle Miles Traveled <sup>2</sup>	Infrastructure Total Miles <sup>3</sup>	Demographics Population <sup>4</sup>	Rates			
	Fatalities	Severity Level					Property Damage					by Vehicle Miles Traveled		by Population	
		Fatal	A	B	C	Fatalities (per 100 MVMt)						Crashes (per 1 MVMt)	Fatalities (per 100 K Pop)	Crashes (per 100 K Pop)	
1 AITKIN	5	5	7	27	35	101	175	227,055,796	507	16,202	2.2	0.8	6.2	216	
2 ANOKA	35	35	187	775	1,764	4,511	7,272	5,057,046,742	417	330,844	0.7	1.4	2.1	440	
3 BECKER	15	10	22	74	83	230	419	580,056,290	663	32,504	2.6	0.7	9.2	258	
4 BELTRAMI	6	6	25	71	126	368	596	699,593,554	716	44,442	0.9	0.9	2.7	268	
5 BENTON	5	5	23	72	130	540	770	528,506,484	453	38,451	1.0	1.5	2.6	401	
6 BIG STONE	0	0	4	10	13	36	63	82,789,014	406	5,269	0.0	0.8	0.0	239	
7 BLUE EARTH	14	13	35	125	263	827	1,263	810,804,258	728	64,013	1.7	1.6	4.4	395	
8 BROWN	5	5	9	25	67	192	298	398,988,304	336	25,893	1.3	0.8	3.9	230	
9 CARLTON	5	4	20	56	100	164	344	583,518,386	485	35,386	0.9	0.6	2.8	194	
10 CARVER	16	14	33	163	323	1,033	1,566	1,037,745,016	264	91,042	1.5	1.5	3.5	344	
11 CASS	10	9	28	51	82	238	408	600,743,044	766	28,567	1.7	0.7	7.0	286	
12 CHIPPEWA	2	1	3	16	34	59	113	147,299,768	296	12,441	1.4	0.8	3.2	182	
13 CHISAGO	15	14	35	122	231	574	976	982,201,748	367	53,887	1.5	1.0	5.6	362	
14 CLAY	10	9	7	46	75	258	395	592,204,668	739	58,999	1.7	0.7	3.4	134	
15 CLEARWATER	3	3	6	15	29	78	131	197,023,574	433	8,695	1.5	0.7	6.9	301	
16 COOK	3	3	3	16	23	67	112	183,726,642	286	5,176	1.6	0.6	11.6	433	
17 COTTONWOOD	1	1	3	26	38	81	149	236,837,678	416	11,687	0.4	0.6	1.7	255	
18 CROW WING	16	14	30	122	191	422	779	1,289,579,632	555	62,500	1.2	0.6	5.1	249	
19 DAKOTA	43	39	153	643	1,988	5,014	7,837	5,024,558,550	418	398,552	0.9	1.6	2.2	393	
20 DODGE	3	3	27	53	68	214	365	322,184,918	324	20,087	0.9	1.1	3.0	363	
21 DOUGLAS	20	17	24	77	167	568	853	715,167,508	540	36,009	2.8	1.2	11.1	474	
22 FARIBAUT	4	4	8	15	32	123	182	291,562,898	449	14,553	1.4	0.6	5.5	250	
23 FILLMORE	7	7	17	37	72	193	326	310,120,536	478	20,866	2.3	1.1	6.7	312	
24 FREEBORN	9	9	21	59	138	372	599	542,192,354	627	31,255	1.7	1.1	5.8	383	
25 GOODHUE	11	9	33	85	98	491	716	600,454,536	398	46,183	1.8	1.2	4.8	310	
26 GRANT	1	1	6	12	21	46	86	114,316,730	452	6,018	0.9	0.8	3.3	286	
27 HENNEPIN	66	60	437	2,814	7,584	18,535	29,430	10,201,325,156	563	1,152,425	0.7	2.9	1.2	511	
28 HOUSTON	2	2	16	38	56	246	358	209,221,254	265	19,027	1.0	1.7	2.1	376	
29 HUBBARD	9	8	17	55	62	137	279	376,431,726	520	20,428	2.4	0.7	8.8	273	
30 ISANTI	7	6	26	70	128	302	532	593,064,714	359	37,816	1.2	0.9	3.7	281	
31 ITASCA	11	11	23	85	103	310	532	678,275,004	1,251	45,058	1.6	0.8	4.9	236	
32 JACKSON	3	3	13	25	40	110	191	280,824,192	520	10,266	1.1	0.7	5.8	372	
33 KANABEC	0	0	10	38	76	147	271	265,856,470	421	16,239	0.0	1.0	0.0	334	
34 KANDIYOHI	7	6	31	93	193	506	829	718,569,346	645	42,239	1.0	1.2	3.3	393	
35 KITSON	2	2	2	6	2	13	25	118,624,264	466	4,552	1.7	0.2	8.8	110	
36 KOOCHICHING	1	1	3	20	23	77	124	108,234,324	439	13,311	0.9	1.2	1.5	186	
37 LAC QUI PARLE	4	4	5	14	18	50	91	160,408,622	499	7,259	2.5	0.6	11.0	251	
38 LAKE	2	2	6	17	31	102	158	278,510,650	307	10,866	0.7	0.6	3.7	291	
39 LAKE OF THE WOODS	4	4	1	3	6	23	37	59,512,992	239	4,045	6.7	0.6	19.8	183	
40 LE SUEUR	8	8	27	86	142	527	790	493,794,224	504	27,703	1.6	1.6	5.8	570	
41 LINCOLN	1	1	4	15	17	101	138	126,262,422	389	5,896	0.8	1.1	3.4	468	
42 LYON	4	4	11	32	64	126	237	287,593,174	485	25,857	1.4	0.8	3.1	183	
43 MAHNOMEN	3	2	7	8	15	30	62	108,471,704	281	5,413	2.8	0.6	11.1	229	
44 MARSHALL	4	4	4	11	16	38	73	218,287,344	826	9,439	1.8	0.3	8.5	155	
45 MARTIN	11	7	13	35	70	183	308	399,148,992	495	20,840	2.8	0.8	10.6	296	
46 MCLEOD	15	14	21	48	125	499	707	515,412,238	393	36,651	2.9	1.4	8.2	386	
47 MEEKER	5	5	17	43	43	149	257	269,607,074	273	23,300	1.9	1.0	4.3	221	
48 MILLE LACS	10	9	13	54	107	224	407	393,656,384	404	26,097	2.5	1.0	7.7	312	
49 MORRISON	11	10	32	79	114	248	483	648,469,206	723	33,198	1.7	0.7	6.6	291	
50 MOWER	4	4	26	38	89	274	431	444,170,848	410	39,163	0.9	1.0	2.0	220	
51 MURRAY	3	3	13	22	36	56	130	168,444,848	419	8,725	1.8	0.8	6.9	298	
52 NICOLLET	8	5	12	38	74	157	286	268,821,894	303	32,727	3.0	1.1	4.9	175	
53 NOBLES	7	5	9	43	55	251	363	365,132,438	450	21,378	1.9	1.0	6.6	340	
54 NORMAN	4	4	3	16	25	51	99	170,106,508	692	6,852	2.4	0.6	11.7	289	
55 OLMSTED	20	17	62	330	393	1,298	2,100	1,550,796,236	518	144,248	1.3	1.4	2.8	291	
56 OTTER TAIL	18	17	32	112	217	648	1,026	1,149,437,784	1,055	57,303	1.6	0.9	6.3	358	
57 PENNINGTON	7	6	4	19	27	37	93	214,058,328	643	13,930	3.3	0.4	10.1	134	
58 PINE	8	8	25	79	98	163	373	641,017,300	698	29,750	1.3	0.6	5.4	251	
59 PIPESTONE	2	2	8	20	37	90	157	137,335,286	250	9,596	1.5	1.1	4.2	327	
60 POLK	12	9	18	30	52	158	267	547,226,636	956	31,600	2.2	0.5	7.6	169	
61 POPE	2	2	6	20	22	73	123	163,735,594	370	10,995	1.2	0.8	3.6	224	
62 RAMSEY	30	28	201	1,079	3,390	13,212	17,910	5,005,690,492	287	508,640	0.6	3.6	1.2	704	
63 RED LAKE	4	4	2	8	10	18	42	103,220,128	361	4,089	3.9	0.4	19.6	205	
64 REDWOOD	6	6	14	31	58	127	236	353,488,036	514	16,059	1.7	0.7	7.5	294	
65 RENVILLE	13	13	20	32	67	131	263	392,480,440	712	15,730	3.3	0.7	16.5	334	
66 RICE	15	15	45	95	171	356	682	620,018,300	430	64,142	2.4	1.1	4.7	213	
67 ROCK	5	4	3	18	40	162	227	213,096,026	319	9,687	2.4	1.1	10.3	469	
68 ROSEAU	3	3	6	11	23	70	113	252,950,302	700	15,629	1.2	0.5	3.8	145	
69 ST. LOUIS	25	24	79	313	598	1,950	2,964	2,831,979,920	2,968	200,226	0.9	1.1	2.5	296	
70 SCOTT	25	22	90	286	574	1,342	2,314	2,214,161,950	320	129,928	1.1	1.1	3.9	356	
71 SHERBURNE	28	28	56	202	323	1,565	2,174	1,333,365,286	411	88,499	2.1	1.6	6.3	491	
72 SIBLEY	4	4	11	20	38	131	204	307,996,898	385	15,226	1.3	0.7	5.3	268	
73 STEARNS	29	28	87	313	732	2,158	3,318	2,741,324,498	953	150,642	1.1	1.2	3.9	441	
74 STEELE	8	8	14	66	120	347	555	498,791,986	344	36,576	1.6	1.1	4.4	303	
75 STEVENS	0	0	4	20	24	51	99	118,392,362	365	9,726	0.0	0.8	0.0	204	
76 SWIFT	6	4	11	18	8	31	72	147,456,804	461	9,783	4.1	0.5	12.3	147	
77 TODD	9	8	21	51	99	182	361	468,347,088	622	24,895	1.9	0.8	7.2	290	
78 TRAVERSE	1	1	5	3	11	17	37	67,284,448	481	3,558	1.5	0.6	5.6	208	
79 WABASHA	7	7	16	48	57	176	304	319,288,882	366	21,676	2.2	1.0	6.5	280	
80 WADENA	4	4	8	23	41	107	183	242,474,540	433	13,843	1.7	0.8	5.8	264	
81 WASECA	7	7	18	32	73	221	351	288,843,984	376	19,136	2.4	1.2	7.3	367	
82 WASHINGTON	10	9	63	352	795	2,347	3,566	2,165,351,144	282	238,136	0.5	1.7	0.8	299	
83 WATONWAN	5	5	10	21	36	134	206	267,687,948	351	11,211	1.9	0.8	8.9	368	
84 WILKIN	4	4	3	13	36	95	151	146,468,938	509	6,576	2.7	1.0	12.2	459	
85 WINONA	14	10	28	86	110	402	636	434,427,312	386	51,461	3.2	1.5	5.4	247	
86 WRIGHT	36	32	52	205	408	1,177	1,874	2,180,846,580	510	124,700	1.7	0.9	5.8	301	
87 YELLOW MEDICINE	4	4	8	14	30	77	133	194,059,976	512	10,438	2.1	0.7	7.7	255	
<b>TOTAL</b>	<b>851</b>	<b>777</b>	<b>2,601</b>	<b>10,609</b>	<b>24,223</b>	<b>69,325</b>	<b>107,535</b>	<b>69,395,618,072</b>	<b>44,910</b>	<b>5,303,925</b>					

**Notes**

- <sup>1</sup> 2006 - 2010 crash data were compiled on 8/17/2011 for all route types (Trunk Highways, County Roads, City Streets, etc.) using Transportation Information System (TIS).
- <sup>2</sup> Demand was calculated for 2006-2010.
- <sup>3</sup> Mileage was compiled on 8/17/2011 for all route types using TIS.
- <sup>4</sup> US Census Minnesota counties, 2010; <HTTP://MCD.CDC.MISSOURI.EDU/WEBREPTS/AGECOHORTS5\_2010CENSUS

## CRASHES BY COUNTY FOR CSAHs & CO RDs ONLY (2006 - 2010)

Top 13 Counties Ranked By Fatality Rate (Per 100 MVMT)																
County	Crashes 2006-2010 on All Route Types <sup>1</sup>							Demand	Infrastructure	Demographics	Rates					
	Fatalities	Severity Level				Total Crashes	Vehicle Miles Traveled <sup>2</sup>				Total Miles <sup>3</sup>	Population <sup>4</sup>	by Vehicle Miles Traveled		by Population	
		Fatal	A	B	C								Property Damage	Fatalities (per 100 MVMT)	Crashes (per 1 MVMT)	Fatalities (per 100 K Pop)
39 LAKE OF THE WOODS	4	4	1	3	6	23	37	59,512,992	239	4,045	6.7	0.6	19.8	183		
76 SWIFT	6	4	11	18	8	31	72	147,456,804	461	9,783	4.1	0.5	12.3	147		
63 RED LAKE	4	4	2	8	10	18	42	103,220,128	361	4,089	3.9	0.4	19.6	205		
65 RENVILLE	13	13	20	32	67	131	263	392,480,440	712	15,730	3.3	0.7	16.5	334		
57 PENNINGTON	7	6	4	19	27	37	93	214,058,328	643	13,930	3.3	0.4	10.1	134		
85 WINONA	14	10	28	86	110	402	636	434,427,312	386	51,461	3.2	1.5	5.4	247		
52 NICOLLET	8	5	12	38	74	157	286	268,821,894	303	32,727	3.0	1.1	4.9	175		
43 MCLEOD	15	14	21	48	125	499	707	515,412,238	393	36,651	2.9	1.4	8.2	386		
21 DOUGLAS	20	17	24	77	167	568	853	715,167,508	540	36,009	2.8	1.2	11.1	474		
44 MAHNOMEN	3	2	7	8	15	30	62	108,471,704	281	5,413	2.8	0.6	11.1	229		
46 MARTIN	11	7	13	35	70	183	308	399,148,992	495	20,840	2.8	0.8	10.6	296		
84 WILKIN	4	4	3	13	36	95	151	146,468,938	509	6,576	2.7	1.0	12.2	459		
3 BECKER	15	10	22	74	83	230	419	580,056,290	663	32,504	2.6	0.7	9.2	258		

Top 13 Counties Ranked By Crash Rate (Per 1 MVMT)																
County	Crashes 2006-2010 on All Route Types <sup>1</sup>							Demand	Infrastructure	Demographics	Rates					
	Fatalities	Severity Level				Total Crashes	Vehicle Miles Traveled <sup>2</sup>				Total Miles <sup>3</sup>	Population <sup>4</sup>	by Vehicle Miles Traveled		by Population	
		Fatal	A	B	C								Property Damage	Fatalities (per 100 MVMT)	Crashes (per 1 MVMT)	Fatalities (per 100 K Pop)
62 RAMSEY	30	28	201	1,079	3,390	13,212	17,910	5,005,690,492	287	508,640	0.6	3.6	1.2	704		
27 HENNEPIN	66	60	437	2,814	7,584	18,535	29,430	10,201,325,156	563	1,152,425	0.7	2.9	1.2	511		
28 HOUSTON	2	2	16	38	56	246	358	209,221,254	265	19,027	1.0	1.7	2.1	376		
82 WASHINGTON	10	9	63	352	795	2,347	3,566	2,165,351,144	282	238,136	0.5	1.7	0.8	299		
71 SHERBURNE	28	28	56	202	323	1,565	2,174	1,333,365,286	411	88,499	2.1	1.6	6.3	491		
40 LE SUEUR	8	8	27	86	142	527	790	493,794,224	504	27,703	1.6	1.6	5.8	570		
7 BLUE EARTH	14	13	35	125	263	827	1,263	810,804,258	728	64,013	1.7	1.6	4.4	395		
19 DAKOTA	43	39	153	643	1,988	5,014	7,837	5,024,558,550	418	398,552	0.9	1.6	2.2	393		
10 CARVER	16	14	33	163	323	1,033	1,566	1,037,745,016	264	91,042	1.5	1.5	3.5	344		
5 BENTON	5	5	23	72	130	540	770	528,506,484	453	38,451	1.0	1.5	2.6	401		
85 WINONA	14	10	28	86	110	402	636	434,427,312	386	51,461	3.2	1.5	5.4	247		
2 ANOKA	35	35	187	775	1,764	4,511	7,272	5,057,046,742	417	330,844	0.7	1.4	2.1	440		
43 MCLEOD	15	14	21	48	125	499	707	515,412,238	393	36,651	2.9	1.4	8.2	386		
55 OLMSTED	20	17	62	330	393	1,298	2,100	1,550,796,236	518	144,248	1.3	1.4	2.8	291		

Top 13 Counties Ranked By Fatality Rate (Per 100,000 Population)																
County	Crashes 2006-2010 on All Route Types <sup>1</sup>							Demand	Infrastructure	Demographics	Rates					
	Fatalities	Severity Level				Total Crashes	Vehicle Miles Traveled <sup>2</sup>				Total Miles <sup>3</sup>	Population <sup>4</sup>	by Vehicle Miles Traveled		by Population	
		Fatal	A	B	C								Property Damage	Fatalities (per 100 MVMT)	Crashes (per 1 MVMT)	Fatalities (per 100 K Pop)
39 LAKE OF THE WOODS	4	4	1	3	6	23	37	59,512,992	239	4,045	6.7	0.6	19.8	183		
63 RED LAKE	4	4	2	8	10	18	42	103,220,128	361	4,089	3.9	0.4	19.6	205		
65 RENVILLE	13	13	20	32	67	131	263	392,480,440	712	15,730	3.3	0.7	16.5	334		
76 SWIFT	6	4	11	18	8	31	72	147,456,804	461	9,783	4.1	0.5	12.3	147		
84 WILKIN	4	4	3	13	36	95	151	146,468,938	509	6,576	2.7	1.0	12.2	459		
54 NORMAN	4	4	3	16	25	51	99	170,106,508	692	6,852	2.4	0.6	11.7	289		
16 COOK	3	3	3	16	23	67	112	183,726,642	286	5,176	1.6	0.6	11.6	433		
21 DOUGLAS	20	17	24	77	167	568	853	715,167,508	540	36,009	2.8	1.2	11.1	474		
44 MAHNOMEN	3	2	7	8	15	30	62	108,471,704	281	5,413	2.8	0.6	11.1	229		
37 LAC QUI PARLE	4	4	5	14	18	50	91	160,408,622	499	7,259	2.5	0.6	11.0	251		
46 MARTIN	11	7	13	35	70	183	308	399,148,992	495	20,840	2.8	0.8	10.6	296		
67 ROCK	5	4	3	18	40	162	227	213,096,026	319	9,687	2.4	1.1	10.3	469		
57 PENNINGTON	7	6	4	19	27	37	93	214,058,328	643	13,930	3.3	0.4	10.1	134		

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71 SHERBURNE	28	28	56	202	323	1,565	2,174	1,333,365,286	411	88,499	2.1	1.6	6.3	491		
21 DOUGLAS	20	17	24	77	167	568	853	715,167,508	540	36,009	2.8	1.2	11.1	474		
67 ROCK	5	4	3	18	40	162	227	213,096,026	319	9,687	2.4	1.1	10.3	469		
41 LINCOLN	1	1	4	15	17	101	138	126,262,422	389	5,896	0.8	1.1	3.4	468		
84 WILKIN	4	4	3	13	36	95	151	146,468,938	509	6,576	2.7	1.0	12.2	459		
73 STEARNS	29	28	87	313	732	2,158	3,318	2,741,324,498	953	150,642	1.1	1.2	3.9	441		
2 ANOKA	35	35	187	775	1,764	4,511	7,272	5,057,046,742	417	330,844	0.7	1.4	2.1	440		
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5 BENTON	5	5	23	72	130	540	770	528,506,484	453	38,451	1.0	1.5	2.6	401		
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**Notes**

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<sup>2</sup> Demand was calculated for 2006-2010.

<sup>3</sup> Mileage was compiled on 8/17/2011 for all route types using TIS.

<sup>4</sup> US Census Minnesota counties, 2010; <[HTTP://MCDC.MISSOURI.EDU/WEBREPTS/AGECOHORTS5\\_2010CENSUS/MINNESOTA.HTML](http://MCDC.MISSOURI.EDU/WEBREPTS/AGECOHORTS5_2010CENSUS/MINNESOTA.HTML)>

<sup>5</sup> Median is the middle of a distribution: half the numbers are above the median and half are below the median.

<sup>6</sup> Standard deviation tells you how tightly the data are clustered around the sample mean.

**Ranges for green, yellow, and red coloring were developed as follows:**

- green = all values at or below median
- yellow = values above the median and the median + 1 standard deviation
- red = all values above the median + 1 standard deviation

2006-2010 Statewide Rates - All Route Types				
Measure	by Vehicle Miles Traveled		by Population	
	Fatalities (per 100 MVMT)	Crashes (per 1 MVMT)	Fatalities (per 100K Pop)	Crashes (per 100K Pop)
Mean	1.7	1.0	5.9	301
Median	1.6	0.8	5.4	291
Standard Deviation	1.0	0.5	3.8	105