

1993 - 1997 COUNTY RANKING

Killed, A-Injury, and B-Injury Combined (KAB) – Had Been Drinking Crash INJURY Frequency and Rate per Crash

Note: The first column of the following tables (titled "Overall Rank") is calculated by ranking the counties based on the average of the frequency rank and the rate rank (frequency ranking + rate ranking / 2).

Overall Rank	COUNTY	Frequency Ranking	Rate per Crash Ranking	Number of Had Been Drinking Crash Injuries	Rate per Crash	OTHER RATES		
						Rate per 1 Million VMT	Rate per 1,000 Drivers	Rate per 1,000 Population
1	Genesee	4	19	3,288	0.24	0.16	2.19	1.51
2	St. Clair	10	20	1,078	0.23	0.15	1.91	1.40
3	Cass	25	7	482	0.27	0.23	2.74	1.95
4	Monroe	11	33	1,054	0.21	0.13	2.06	1.51
5	Bay	14	31	939	0.21	0.16	2.32	1.69
6	Iosco	42	4	259	0.28	0.20	2.40	2.11
7	Allegan	19	30	752	0.22	0.15	2.22	1.54
8	Barry	28	23	453	0.23	0.24	2.41	1.72
9	Ogemaw	45	9	235	0.26	0.19	2.98	2.29
10	Chippewa	41	16	269	0.25	0.16	2.35	1.45
11	Menominee	45	17	235	0.25	0.20	2.58	1.92
12	Van Buren	20	42	662	0.21	0.17	2.55	1.78
13	Lapeer	21	44	571	0.21	0.15	1.95	1.37
14	Jackson	12	54	1,002	0.20	0.14	1.90	1.30
15	Montcalm	23	43	536	0.21	0.20	2.66	1.85
16	Saginaw	7	59	1,319	0.19	0.13	1.80	1.53
17	Alpena	52	15	216	0.25	0.16	1.85	1.40
18	Roscommon	46	21	233	0.23	0.14	2.43	2.08
19	Alcona	67	1	143	0.36	0.22	3.20	2.70
20	Ionia	29	39	435	0.21	0.14	2.28	1.45
21	Newaygo	33	38	380	0.21	0.25	2.44	1.75
22	Livingston	15	57	913	0.19	0.12	1.83	1.37
23	Kalamazoo	9	64	1,224	0.18	0.12	1.51	1.07
24	Macomb	3	70	3,313	0.17	0.13	1.18	0.88
25	Arenac	56	18	202	0.25	0.14	3.34	2.51
26	Cheboygan	50	24	220	0.22	0.14	2.39	1.93
27	Shiawassee	26	48	472	0.20	0.14	1.81	1.31
28	Berrien	13	62	968	0.19	0.11	1.64	1.20
29	Oscoda	73	3	106	0.30	0.21	3.18	2.46
30	Alger	70	6	118	0.28	0.21	3.40	2.39
31	Presque Isle	71	5	111	0.28	0.13	1.99	1.56
32	Calhoun	16	61	882	0.19	0.12	1.80	1.26
33	Emmet	49	29	227	0.22	0.18	2.07	1.66
34	Mecosta	37	41	297	0.21	0.17	2.42	1.56
35	Isabella	32	47	394	0.20	0.16	2.33	1.40
36	Machinac	66	14	145	0.25	0.10	3.24	2.64
37	Leelanau	68	12	130	0.25	0.11	1.78	1.42
38	Tuscola	30	50	409	0.20	0.17	1.94	1.43
39	Oakland	2	79	4,721	0.16	0.08	1.09	0.82
40	Washtenaw	6	75	1,330	0.17	0.09	1.30	0.91
41	Lake	69	13	120	0.25	0.19	3.30	2.47

1993 - 1997 COUNTY RANKING

KAB – Had Been Drinking Crash INJURY Frequency and Rate per Crash (Continued)

Overall Rank	COUNTY	Frequency Ranking	Rate per Crash Ranking	Number of Had Been Drinking Crash Injuries	Rate per Crash	OTHER RATES		
						Rate per 1 Million VMT	Rate per 1,000 Drivers	Rate per 1,000 Population
42	Montmorency	74	8	95	0.26	0.25	2.47	1.96
43	Wayne	1	83	8,305	0.13	0.10	1.32	0.79
44	Houghton	58	27	188	0.22	0.20	1.65	1.04
45	Ingham	8	77	1,310	0.16	0.12	1.41	0.93
46	Keweenaw	83	2	39	0.33	0.28	5.35	3.99
47	Marquette	34	51	376	0.20	0.13	1.62	1.14
48	St. Joseph	27	58	457	0.19	0.18	2.11	1.51
49	Gladwin	61	25	172	0.22	0.17	1.85	1.42
50	Kent	5	81	2,316	0.16	0.10	1.25	0.88
51	Kalkaska	59	28	477	0.22	0.21	3.17	2.38
52	Eaton	22	67	561	0.18	0.12	1.57	1.14
53	Baraga	79	11	82	0.25	0.16	2.77	1.96
54	Muskegon	17	74	847	0.17	0.14	1.53	1.03
55	Oceana	57	34	191	0.21	0.16	2.09	1.60
56	Ontonagon	81	10	75	0.26	0.12	2.27	1.76
57	Wexford	40	53	270	0.20	0.18	2.54	1.90
58	Manistee	64	32	159	0.21	0.16	1.79	1.39
59	Sanilac	47	49	232	0.20	0.13	1.48	1.10
60	Antrim	62	37	165	0.21	0.13	2.06	1.64
61	Lenawee	24	76	500	0.17	0.13	1.47	1.04
62	Ottawa	18	82	753	0.14	0.09	1.02	0.88
63	Clare	49	52	227	0.20	0.14	2.12	1.62
64	Schoolcraft	80	22	80	0.23	0.12	2.40	1.85
65	Delta	43	60	254	0.19	0.13	1.75	1.31
66	Branch	39	68	278	0.18	0.15	1.87	1.30
67	Clinton	36	72	326	0.17	0.07	1.50	1.06
68	Luce	82	26	69	0.22	0.21	3.12	2.31
69	Midland	35	73	359	0.17	0.10	1.19	0.90
70	Dickinson	63	46	161	0.21	0.15	1.56	1.19
71	Grand Traverse	31	78	403	0.16	0.12	1.47	1.14
72	Hillsdale	38	71	283	0.17	0.16	1.76	1.25
73	Crawford	73	40	106	0.21	0.09	2.29	1.57
74	Gogebic	77	36	87	0.21	0.11	1.36	0.98
75	Iron	78	35	83	0.21	0.13	1.67	1.26
76	Huron	52	66	216	0.18	0.14	1.54	1.23
77	Osceola	55	63	205	0.18	0.14	2.51	1.89
78	Mason	55	65	205	0.18	0.19	2.04	1.50
79	Charlevoix	66	55	145	0.19	0.16	1.58	1.26
80	Missaukee	75	46	92	0.21	0.17	1.89	1.37
81	Otsego	60	69	175	0.18	0.15	2.18	1.69
82	Benzie	76	56	91	0.19	0.12	1.66	1.34
83	Gratiot	53	80	213	0.16	0.09	1.51	1.07

1993 - 1997 COUNTY RANKING

Killed, A-Injury, and B-Injury Combined (KAB) – Crash INJURY Frequency and Rate per 1 Million VMT

Overall Rank	COUNTY	Frequency Ranking	Rate per 1M VMT Ranking	Number of Crash Injuries	Rate per 1 Million VMT	OTHER RATES	
						Rate per 1,000 Drivers	Rate per 1,000 Population
1	Wayne	1	25	64,853	0.78	10.32	6.20
2	Montcalm	24	4	2,606	1.00	12.94	9.01
3	Muskegon	13	17	4,995	0.83	9.03	6.08
4	Barry	31	2	1,988	1.07	10.58	7.55
5	St. Joseph	26	7	2,398	0.94	11.07	7.92
6	Newaygo	35	1	1,823	1.18	11.71	8.38
7	Macomb	3	37	19,081	0.73	6.82	5.08
8	Tuscola	30	13	2,030	0.85	9.65	7.08
9	Van Buren	20	23	3,210	0.80	12.35	8.61
10	Ingham	6	38	8,047	0.73	8.68	5.73
11	Hillsdale	37	9	1,650	0.93	10.25	7.28
12	Cass	36	12	1,782	0.86	10.13	7.20
13	Lenawee	22	27	2,998	0.78	8.83	6.21
14	Mason	46	3	1,113	1.05	11.09	8.13
15	Branch	38	14	1,560	0.84	10.52	7.31
16	Wexford	41	11	1,352	0.89	12.72	9.50
17	Bay	18	35	4,371	0.75	10.78	7.85
18	Saginaw	8	45	6,934	0.69	9.48	8.07
19	Isabella	32	24	1,923	0.79	11.38	6.82
20	Genesee	5	52	13,790	0.66	9.19	6.34
21	Mecosta	39	18	1,440	0.83	11.73	7.57
22	Lapeer	23	36	2,780	0.74	9.51	6.65
23	Jackson	12	48	5,085	0.69	9.64	6.61
24	Kent	4	58	14,799	0.64	8.01	5.61
25	Allegan	19	44	3,487	0.70	10.30	7.14
26	Emmet	49	16	1,046	0.83	9.56	7.64
27	Grand Traverse	25	40	2,481	0.72	9.06	7.01
28	Kalkaska	60	6	809	0.94	14.47	10.88
29	Houghton	58	10	858	0.90	7.53	4.77
30	Huron	43	26	1,196	0.78	8.55	6.80
31	Kalamazoo	9	61	6,631	0.62	8.17	5.81
32	Calhoun	16	55	4,688	0.64	9.57	6.68
33	Otsego	51	20	993	0.83	12.38	9.58
34	St. Clair	17	54	4,601	0.64	8.17	5.96
35	Ottawa	10	63	5,228	0.62	7.07	6.13
36	Shiawassee	27	46	2,305	0.69	8.84	6.41
37	Menominee	53	22	955	0.81	10.47	7.79
38	Monroe	14	62	4,917	0.62	9.61	7.06
39	Osceola	47	29	1,109	0.77	13.56	10.24
40	Eaton	21	56	3,108	0.64	8.70	6.34
41	Ionia	29	49	2,087	0.68	10.94	6.97
42	Oakland	2	76	29,098	0.51	6.71	5.06
43	Livingston	15	64	4,703	0.61	9.41	7.04
44	Washtenaw	7	75	7,899	0.53	7.70	5.39
45	Berrien	11	73	5,158	0.57	8.76	6.38

1993 - 1997 COUNTY RANKING

KAB – Crash INJURY Frequency and Rate per 1 Million VMT (Continued)

Overall Rank	COUNTY	Frequency Ranking	Rate per 1M VMT Ranking	Number of Crash Injuries	Rate per 1 Million VMT	OTHER RATES	
						Rate per 1,000 Drivers	Rate per 1,000 Population
46	Delta	42	42	1,349	0.71	9.29	6.97
47	Charlevoix	64	21	744	0.81	8.09	6.45
48	Montmorency	77	8	359	0.93	9.34	7.39
49	Luce	81	5	310	0.96	14.04	10.38
50	Oceana	55	31	897	0.76	9.84	7.51
51	Marquette	34	53	1,868	0.66	8.05	5.64
52	Missaukee	71	19	448	0.83	9.21	6.67
53	Gladwin	63	28	771	0.78	8.28	6.36
54	Clare	45	47	1,135	0.69	10.59	8.09
55	Midland	28	65	2,117	0.61	6.99	5.30
56	Dickinson	62	32	784	0.75	7.58	5.78
57	Iosco	54	41	912	0.71	8.46	7.43
58	Manistee	65	30	741	0.76	8.35	6.48
59	Ogemaw	56	39	895	0.72	11.36	8.74
60	Sanilac	44	51	1,141	0.66	7.29	5.43
61	Keweenaw	83	15	118	0.84	16.18	12.07
62	Lake	69	33	480	0.75	13.19	9.86
63	Alger	72	34	428	0.75	12.33	8.68
64	Alpena	57	50	876	0.67	7.51	5.69
65	Chippewa	48	60	1,091	0.64	9.51	5.90
66	Cheboygan	52	57	978	0.64	10.64	8.58
67	Gratiot	40	71	1,361	0.59	9.66	6.82
68	Clinton	33	82	1,917	0.42	8.84	6.22
69	Roscommon	50	69	997	0.60	10.40	8.92
70	Oscoda	78	43	354	0.71	10.63	8.22
71	Antrim	62	67	784	0.60	9.78	7.78
72	Arenac	59	72	824	0.58	13.60	10.23
73	Baraga	80	59	324	0.64	10.93	7.76
74	Benzie	70	70	468	0.59	8.53	6.88
75	Alcona	75	66	399	0.60	8.92	7.53
76	Iron	76	68	392	0.60	7.88	5.96
77	Gogebic	73	74	413	0.53	6.44	4.64
78	Crawford	68	80	513	0.44	11.09	7.60
79	Leelanau	67	81	517	0.42	7.08	5.64
80	Mackinac	66	83	587	0.40	13.11	10.69
81	Presque Isle	74	79	400	0.48	7.18	5.63
82	Schoolcraft	79	77	344	0.51	10.32	7.95
83	Ontonagon	82	78	292	0.49	8.82	6.86

1993 - 1997 COUNTY RANKING

Killed, A-Injury, and B-Injury Combined (KAB) – Youth (under age 21) Had Been Drinking Crash Frequency and Rate per Crash

Overall Rank	COUNTY	Frequency Ranking	Rate per Crash Ranking	Number of Youth Had Been Drinking Crashes	Rate per Crash	Rate per 1,000 Drivers
1	St Clair	9	18	157	0.14	3.26
2	Genesee	4	29	397	0.13	3.11
3	Isabella	24	14	64	0.15	4.03
4	Tuscola	22	19	70	0.14	3.39
5	Van Buren	18	26	87	0.13	3.71
6	Oceana	40	6	35	0.18	4.06
7	Monroe	11	36	128	0.12	2.77
8	Bay	14	38	115	0.11	3.31
9	Kalamazoo	8	44	163	0.11	2.39
10	Macomb	3	49	454	0.10	2.13
11	Livingston	12	41	123	0.11	2.77
12	Washtenaw	7	47	173	0.10	2.42
13	Houghton	42	15	31	0.15	2.80
14	Oakland	2	56	619	0.10	1.89
15	Arenac	53	9	23	0.17	4.43
16	Marquette	29	33	53	0.12	2.47
17	Mecosta	33	30	43	0.13	3.98
18	Saginaw	10	53	154	0.10	2.37
19	Allegan	19	45	79	0.11	2.53
20	Chippewa	45	20	29	0.14	3.02
21	Presque Isle	60	5	18	0.19	3.68
22	Gogebic	63	3	16	0.20	2.94
23	Barry	29	37	53	0.12	3.17
24	Ingham	6	61	180	0.09	2.43
25	Shiawassee	25	42	61	0.11	2.44
26	Cass	35	34	39	0.12	2.71
27	Clare	48	22	27	0.14	3.19
28	Ionia	27	43	56	0.11	2.94
29	Jackson	15	55	113	0.10	2.51
30	Sanilac	40	31	35	0.12	2.41
31	Manistee	55	17	22	0.14	3.10
32	Ogemaw	51	21	24	0.14	3.84
33	Alcona	71	2	12	0.21	4.67
34	Iosco	50	24	26	0.13	3.53
35	Leelanau	67	7	14	0.17	2.52
36	Mason	48	27	27	0.13	3.15
37	Ontonagon	74	1	11	0.24	4.00
38	Baraga	71	4	12	0.20	4.29
39	Eaton	21	54	71	0.10	2.23
40	Roscommon	53	23	23	0.13	4.00
41	Kent	5	71	308	0.08	1.91
42	Alpena	46	32	28	0.12	2.82
43	Mackinac	67	12	14	0.16	3.85
44	Alger	69	10	13	0.16	4.15
45	Berrien	16	64	97	0.09	2.10

1993 - 1997 COUNTY RANKING

KAB – Youth (under age 21) Had Been Drinking Crash Frequency and Rate per Crash (Continued)

Overall Rank	COUNTY	Frequency Ranking	Rate per Crash Ranking	Number of Youth Had Been Drinking Crashes	Rate per Crash	Rate per 1,000 Drivers
46	Lenawee	23	57	67	0.09	2.05
47	Newaygo	34	46	41	0.10	2.89
48	Ottawa	13	67	122	0.09	1.69
49	Wayne	1	79	898	0.07	1.93
50	Huron	43	40	30	0.11	2.33
51	Oscoda	76	8	10	0.17	4.46
52	Delta	38	51	36	0.10	2.29
53	Luce	79	13	9	0.15	4.64
54	Lapeer	26	66	59	0.09	2.07
55	Montmorency	76	16	10	0.15	3.81
56	Cheboygan	58	35	20	0.12	2.79
57	Keweenaw	83	11	4	0.16	8.02
58	Midland	32	62	46	0.09	1.67
59	Muskegon	17	77	92	0.08	1.89
60	Otsego	56	39	21	0.11	2.90
61	Calhoun	20	76	76	0.08	1.80
62	Montcalm	29	69	53	0.09	2.86
63	Crawford	74	25	11	0.13	3.27
64	Grand Traverse	31	68	48	0.09	2.02
65	Clinton	38	63	36	0.09	1.69
66	Osceola	55	48	22	0.10	2.84
67	Wexford	45	59	29	0.09	2.96
68	Iron	76	28	10	0.13	2.45
69	Menominee	58	50	20	0.10	2.24
70	Hillsdale	41	73	34	0.08	2.21
71	St. Joseph	36	78	37	0.08	1.87
72	Gratiot	50	65	26	0.09	1.92
73	Kalkaska	63	52	16	0.10	3.19
74	Charlevoix	67	58	14	0.09	1.77
75	Antrim	67	60	14	0.09	2.24
76	Emmet	61	70	17	0.09	1.85
77	Dickinson	64	72	15	0.08	1.58
78	Branch	60	81	18	0.06	1.36
79	Gladwin	71	75	12	0.08	1.67
80	Missaukee	79	74	9	0.08	1.92
81	Lake	81	80	5	0.06	2.04
82	Benzie	81	83	5	0.06	1.29
83	Schoolcraft	83	82	4	0.06	1.52

1993 - 1997 COUNTY RANKING

Killed, A-Injury, and B-Injury Combined (KAB) – Crash Frequency (with Contributing Circumstance = Speed) and Rate per Crash

Overall Rank	COUNTY	Frequency Ranking	Rate per Crash Ranking	Number of Speed Crashes	Rate per Crash
1	Ionia	24	11	464	0.34
2	Eaton	14	22	637	0.31
3	Livingston	7	30	913	0.30
4	Cheboygan	39	2	262	0.42
5	Ogemaw	43	7	217	0.37
6	Barry	27	26	397	0.30
7	Clare	41	15	244	0.33
8	Mecosta	37	21	278	0.32
9	Montcalm	23	35	465	0.28
10	Chippewa	42	18	229	0.32
11	Van Buren	19	41	542	0.27
12	Grand Traverse	25	36	442	0.28
13	Roscommon	45	16	207	0.32
14	Marquette	30	33	359	0.29
15	Newaygo	32	31	337	0.29
16	Washtenaw	5	58	1,226	0.23
17	Kalkaska	53	13	174	0.34
18	Leelanau	63	4	139	0.40
19	Gladwin	54	14	168	0.34
20	Tuscola	31	37	350	0.28
21	Lenawee	21	49	487	0.25
22	Otsego	46	24	202	0.31
23	Berrien	8	63	761	0.22
24	Iosco	48	23	190	0.31
25	Calhoun	11	61	716	0.23
26	Emmet	44	28	214	0.30
27	Antrim	56	17	159	0.32
28	Hillsdale	36	39	287	0.27
29	Shiawassee	28	47	386	0.26
30	Luce	73	3	90	0.42
31	Mackinac	64	12	132	0.34
32	Monroe	12	64	693	0.22
33	Montmorency	71	5	93	0.37
34	Alger	69	8	110	0.37
35	Crawford	67	10	124	0.35
36	Manistee	57	20	155	0.32
37	Lapeer	26	52	423	0.24
38	Lake	70	9	109	0.35
39	Isabella	34	46	309	0.26
40	Schoolcraft	74	6	85	0.37
41	Genesee	4	77	1,320	0.15
42	Jackson	13	68	688	0.21
43	Kent	3	78	1,450	0.14
44	Oakland	2	81	2,358	0.12
45	Wayne	1	82	5,091	0.12

1993 - 1997 COUNTY RANKING

KAB – Crash Frequency (with Contributing Circumstance = Speed) and Rate per Crash (Continued)

Overall Rank	COUNTY	Frequency Ranking	Rate per Crash Ranking	Number of Speed Crashes	Rate per Crash
46	Keweenaw	83	1	44	0.47
47	Saginaw	9	76	753	0.17
48	St. Joseph	29	56	365	0.24
49	Muskegon	15	72	610	0.18
50	Allegan	22	67	472	0.21
51	Macomb	6	83	1,225	0.09
52	Sanilac	47	42	201	0.26
53	St. Clair	18	71	560	0.19
54	Clinton	35	55	295	0.24
55	Ingham	10	80	732	0.13
56	Benzie	72	19	91	0.32
57	Branch	40	51	254	0.24
58	Arenac	60	32	151	0.29
59	Ottawa	17	75	576	0.17
60	Bay	20	73	512	0.18
61	Houghton	55	38	165	0.28
62	Cass	38	57	266	0.23
63	Kalamazoo	16	79	604	0.13
64	Midland	33	62	313	0.23
65	Osceola	51	45	181	0.26
66	Huron	50	50	184	0.25
67	Oceana	61	40	146	0.27
68	Alpena	59	44	153	0.26
69	Oscoda	78	25	71	0.31
70	Iron	76	29	79	0.30
71	Baraga	80	27	66	0.30
72	Missaukee	75	34	82	0.29
73	Menominee	58	54	154	0.24
74	Wexford	50	66	184	0.21
75	Charlevoix	68	53	112	0.24
76	Delta	52	69	176	0.19
77	Alcona	79	43	70	0.26
78	Dickinson	66	60	128	0.23
79	Presque Isle	77	48	72	0.25
80	Mason	66	70	128	0.19
81	Gratiot	62	74	145	0.17
82	Gogebic	81	60	64	0.23
83	Ontonagon	82	65	46	0.21

1993 - 1997 COUNTY RANKING

Killed, A-Injury, and B-Injury Combined (KAB) – Pedestrian Crash Frequency and Rate per Crash

Overall Rank	COUNTY	Frequency Ranking	Rate per Crash Ranking	Number of Pedestrian Crashes	Rate per Crash	OTHER RATES	
						Rate per 1 Million VMT	Rate per 1,000 Population
1	Wayne	1	1	4,307	0.10	0.05	0.41
2	Genesee	5	3	578	0.06	0.03	0.27
3	Kent	4	5	619	0.06	0.03	0.23
4	Ingham	6	4	347	0.06	0.03	0.25
5	Washtenaw	7	7	323	0.06	0.02	0.22
6	Berrien	10	6	209	0.06	0.02	0.26
7	Kalamazoo	8	8	244	0.05	0.02	0.21
8	Macomb	3	13	649	0.05	0.02	0.17
9	Oakland	2	16	968	0.05	0.02	0.17
10	Calhoun	11	11	166	0.05	0.02	0.24
11	Saginaw	9	15	222	0.05	0.02	0.26
12	Muskegon	12	14	163	0.05	0.03	0.20
13	Marquette	22	9	67	0.05	0.02	0.20
14	Houghton	30	2	44	0.07	0.05	0.24
15	St. Clair	13	19	135	0.05	0.02	0.17
16	St. Joseph	20	18	70	0.05	0.03	0.23
17	Jackson	14	25	134	0.04	0.02	0.17
18	Grand Traverse	24	20	66	0.04	0.02	0.19
19	Ottawa	15	29	133	0.04	0.02	0.16
20	Bay	16	33	107	0.04	0.02	0.19
21	Allegan	18	32	86	0.04	0.02	0.18
22	Montcalm	26	28	64	0.04	0.02	0.22
23	Wexford	35	22	36	0.04	0.02	0.25
24	Isabella	29	31	46	0.04	0.02	0.16
25	Shiawassee	27	34	57	0.04	0.02	0.16
26	Van Buren	21	46	68	0.03	0.02	0.18
27	Lenawee	24	44	66	0.03	0.02	0.14
28	Mason	45	23	27	0.04	0.03	0.20
29	Emmet	43	26	28	0.04	0.02	0.20
30	Gogebic	59	10	15	0.05	0.02	0.17
31	Ionia	29	40	46	0.03	0.02	0.15
32	Monroe	17	55	97	0.03	0.01	0.14
33	Hillsdale	35	38	36	0.03	0.02	0.16
34	Alpena	50	27	23	0.04	0.02	0.15
35	Eaton	26	51	64	0.03	0.01	0.13
36	Tuscola	32	45	43	0.03	0.02	0.15
37	Delta	40	39	31	0.03	0.02	0.16
38	Livingston	19	60	85	0.03	0.01	0.13
39	Chippewa	45	35	27	0.04	0.02	0.15
40	Ontonagon	69	12	11	0.05	0.02	0.26
41	Mecosta	41	42	30	0.03	0.02	0.16
42	Osceola	48	36	25	0.04	0.02	0.23
43	Midland	32	53	43	0.03	0.01	0.11
44	Sanilac	47	41	26	0.03	0.02	0.12
45	Baraga	71	17	10	0.05	0.02	0.24

1993 - 1997 COUNTY RANKING

KAB – Pedestrian Crash Frequency and Rate per Crash (Continued)

Overall Rank	COUNTY	Frequency Ranking	Rate per Crash Ranking	Number of Pedestrian Crashes	Rate per Crash	OTHER RATES	
						Rate per 1 Million VMT	Rate per 1,000 Population
46	Alger	66	24	12	0.04	0.02	0.24
47	Gratiot	43	47	28	0.03	0.01	0.14
48	Iron	69	21	11	0.04	0.02	0.17
49	Manistee	54	37	17	0.03	0.02	0.15
50	Newaygo	36	57	35	0.03	0.02	0.16
51	Branch	39	56	32	0.03	0.02	0.15
52	Ogemaw	52	43	20	0.03	0.02	0.20
53	Cass	37	58	33	0.03	0.02	0.13
54	Missaukee	69	30	11	0.04	0.02	0.16
55	Cheboygan	52	49	20	0.03	0.01	0.18
56	Huron	50	52	23	0.03	0.02	0.13
57	Lapeer	33	69	42	0.02	0.01	0.10
58	Clinton	39	67	32	0.03	0.01	0.10
59	Gladwin	56	50	16	0.03	0.02	0.13
60	Menominee	54	63	17	0.03	0.01	0.14
61	Mackinac	66	54	12	0.03	0.01	0.22
62	Iosco	56	64	16	0.03	0.01	0.13
63	Dickinson	59	62	15	0.03	0.01	0.11
64	Kalkaska	62	61	14	0.03	0.02	0.19
65	Barry	47	78	26	0.02	0.01	0.10
66	Oceana	62	65	14	0.03	0.01	0.12
67	Clare	56	72	16	0.02	0.01	0.11
68	Keweenaw	82	48	3	0.03	0.02	0.31
69	Presque Isle	72	59	8	0.03	0.01	0.11
70	Charlevoix	66	67	12	0.03	0.01	0.10
71	Roscommon	62	71	14	0.02	0.01	0.13
72	Antrim	66	68	12	0.02	0.01	0.12
73	Otsego	62	74	14	0.02	0.01	0.14
74	Alcona	76	70	6	0.02	0.01	0.11
75	Leelanau	74	77	7	0.02	0.01	0.08
76	Benzie	76	76	6	0.02	0.01	0.09
77	Schoolcraft	79	73	5	0.02	0.01	0.12
78	Oscoda	79	75	5	0.02	0.01	0.12
79	Crawford	76	79	6	0.02	0.01	0.09
80	Arenac	74	82	7	0.01	0.00	0.09
81	Lake	79	80	5	0.02	0.01	0.10
82	Luce	82	81	3	0.01	0.01	0.10
83	Montmorency	82	83	3	0.01	0.01	0.06

1993 - 1997 COUNTY RANKING

Killed, A-Injury, and B-Injury Combined (KAB) – Had Been Drinking Crash Frequency and Rate per Crash

OTHER RATES

Overall Rank	COUNTY	Frequency Ranking	Rate per Crash Ranking	Number of Had Been Drinking Crashes	Rate per Crash	Rate per 1 Million VMT	Rate per 1,000 Drivers	Rate per 1,000 Population
1	Genesee	4	22	2,197	0.24	0.10	1.46	1.01
2	Cass	27	9	314	0.27	0.15	1.78	1.27
3	St Clair	10	26	714	0.24	0.10	1.27	0.93
4	Iosco	41	4	180	0.30	0.14	1.67	0.47
5	Barry	26	23	318	0.24	0.17	1.69	1.21
6	Chippewa	37	13	186	0.26	0.11	1.62	1.01
7	Bay	15	36	625	0.22	0.11	1.54	1.12
8	Allegan	18	34	504	0.22	0.10	1.49	1.03
9	Monroe	12	41	678	0.22	0.09	1.32	0.97
10	Ogemaw	45	10	161	0.27	0.13	2.04	1.57
11	Jackson	11	51	690	0.21	0.09	1.31	0.90
12	Roscommon	45	17	161	0.25	0.10	1.68	1.44
13	Alcona	65	1	101	0.38	0.15	2.26	1.91
14	Menominee	47	19	160	0.25	0.14	1.75	1.30
15	Van Buren	20	47	429	0.21	0.11	1.65	1.15
16	Alpena	50	18	150	0.25	0.11	1.29	0.97
17	Montcalm	23	45	351	0.21	0.13	1.74	1.21
18	Shiawassee	25	44	323	0.21	0.10	1.24	0.90
19	Calhoun	15	55	625	0.20	0.09	1.28	0.89
20	Arenac	57	14	132	0.26	0.09	2.18	1.64
21	Ionia	29	42	289	0.21	0.09	1.52	0.97
22	Leelanau	66	5	99	0.29	0.08	1.36	1.08
23	Saginaw	8	63	869	0.19	0.09	1.19	1.01
24	Cheboygan	49	24	151	0.24	0.10	1.64	1.32
25	Lapeer	22	53	354	0.20	0.09	1.21	0.85
26	Oscoda	73	3	76	0.33	0.15	2.28	1.76
27	Kalamazoo	9	67	836	0.19	0.08	1.03	0.73
28	Livingston	16	60	602	0.20	0.08	1.20	0.90
29	Macomb	3	73	2,272	0.17	0.09	0.81	0.61
30	Newaygo	33	43	245	0.21	0.16	1.57	1.13
31	Marquette	31	46	264	0.21	0.09	1.14	0.80
32	Alger	69	8	84	0.28	0.15	2.42	1.70
33	Berrien	13	64	642	0.19	0.07	1.09	0.79
34	Tuscola	31	49	264	0.21	0.11	1.26	0.92
35	Montmorency	74	6	71	0.28	0.18	1.85	1.46
36	Oakland	2	80	3,210	0.16	0.06	0.74	0.56
37	Washtenaw	6	76	910	0.17	0.06	0.89	0.62
38	Presque Isle	73	11	76	0.26	0.09	1.36	1.07
39	Wayne	1	83	5,613	0.13	0.07	0.89	0.54
40	Clare	45	40	161	0.22	0.10	1.50	1.15
41	Ingham	7	78	894	0.16	0.08	0.96	0.64
42	Keweenaw	83	2	32	0.34	0.23	4.39	3.27
43	Kent	5	81	1,552	0.15	0.07	0.84	0.59
44	Ontonagon	79	7	61	0.28	0.10	1.84	1.43
45	St. Joseph	28	58	304	0.20	0.12	1.40	1.00

1993 - 1997 COUNTY RANKING

KAB – Had Been Drinking Crash Frequency and Rate per Crash (Continued)

Overall Rank	COUNTY	Frequency Ranking	Rate per Crash Ranking	Number of Had Been Drinking Crashes	Rate per Crash	OTHER RATES		
						Rate per 1 Million VMT	Rate per 1,000 Drivers	Rate per 1,000 Population
46	Oceana	59	28	127	0.24	0.11	1.39	1.06
47	Eaton	21	66	378	0.19	0.08	1.06	0.77
48	Lake	71	16	79	0.25	0.12	2.17	1.62
49	Gladwin	61	27	120	0.24	0.12	1.29	0.99
50	Mackinac	67	21	95	0.24	0.06	2.12	1.73
51	Mecosta	39	50	182	0.21	0.10	1.48	0.96
52	Houghton	56	35	133	0.22	0.14	1.17	0.74
53	Dickinson	60	32	125	0.22	0.12	1.21	0.92
54	Muskegon	17	75	569	0.17	0.09	1.03	0.69
55	Schoolcraft	80	12	60	0.26	0.09	1.80	1.39
56	Kalkaska	62	31	118	0.23	0.14	2.11	1.59
57	Isabella	35	59	238	0.20	0.10	1.41	0.84
58	Baraga	81	15	55	0.25	0.11	1.85	1.32
59	Iron	77	20	66	0.25	0.10	1.33	1.00
60	Lenawee	24	74	335	0.17	0.09	0.99	0.69
61	Emmet	51	48	149	0.21	0.12	1.36	1.09
62	Wexford	42	57	175	0.20	0.12	1.65	1.23
63	Crawford	70	30	83	0.23	0.07	1.80	1.23
64	Missaukee	75	25	69	0.24	0.13	1.42	1.03
65	Sanilac	48	52	156	0.20	0.09	1.00	0.74
66	Antrim	63	38	109	0.22	0.08	1.36	1.08
67	Manistee	64	37	108	0.22	0.11	1.22	0.94
68	Ottawa	19	82	503	0.15	0.06	0.68	0.59
69	Clinton	36	69	221	0.18	0.05	1.02	0.72
70	Gogebic	77	29	66	0.24	0.09	1.03	0.74
71	Midland	34	72	242	0.17	0.07	0.80	0.61
72	Hillsdale	38	70	183	0.17	0.10	1.14	0.81
73	Mason	55	54	136	0.20	0.13	1.36	0.99
74	Branch	40	71	181	0.17	0.10	1.22	0.85
75	Delta	43	68	167	0.18	0.09	1.15	0.86
76	Grand Traverse	32	79	257	0.16	0.07	0.94	0.73
77	Luce	82	33	48	0.22	0.15	2.17	1.61
78	Osceola	55	62	136	0.19	0.09	1.66	1.26
79	Benzie	78	39	63	0.22	0.08	1.15	0.93
80	Huron	53	65	139	0.19	0.09	0.99	0.79
81	Otsego	59	61	127	0.20	0.11	1.58	1.22
82	Charlevoix	68	56	92	0.20	0.10	1.00	0.80
83	Gratiot	52	77	142	0.16	0.06	1.01	0.71

1993 - 1997 COUNTY RANKING

Killed, A-Injury, and B-Injury Combined (KAB) – Crash Frequency and Rate per 1 Million VMT

Overall Rank	COUNTY	Frequency Ranking	Rate per 1M VMT Ranking	Number of KAB Crashes	Rate per 1 Million VMT	OTHER RATES	
						Rate per 1,000 Drivers	Rate per 1,000 Population
1	Wayne	1	19	44,257	0.54	7.04	4.23
2	Muskegon	13	15	3,318	0.55	6.00	4.04
3	Montcalm	24	6	1,655	0.63	8.21	5.72
4	Barry	30	2	1,305	0.70	6.95	4.96
5	Macomb	3	30	13,098	0.50	4.68	3.49
6	St. Joseph	26	9	1,532	0.60	7.07	5.06
7	Newaygo	36	1	1,143	0.74	7.34	5.26
8	Ingham	6	31	5,494	0.50	5.93	3.91
9	Van Buren	20	24	2,038	0.51	7.84	5.47
10	Hillsdale	37	11	1,046	0.59	6.50	4.62
11	Lenawee	22	27	1,944	0.51	5.72	4.03
12	Cass	36	16	1,143	0.55	6.49	4.62
13	Branch	38	14	1,039	0.56	7.01	4.87
14	Tuscola	31	21	1,269	0.53	6.03	4.42
15	Saginaw	8	45	4,532	0.45	6.20	5.27
16	Wexford	41	12	881	0.58	8.29	6.19
17	Bay	18	36	2,823	0.48	6.96	5.07
18	Mason	49	7	670	0.63	6.68	4.89
19	Kent	4	53	10,026	0.43	5.42	3.80
20	Jackson	12	47	3,354	0.45	6.36	4.36
21	Emmet	47	13	713	0.57	6.51	5.20
22	Genesee	5	55	8,985	0.43	5.98	4.13
23	Houghton	55	8	599	0.63	5.25	3.33
24	Lapeer	23	41	1,736	0.46	5.94	4.16
25	Allegan	19	46	2,260	0.45	6.67	4.63
26	Mecosta	40	25	882	0.51	7.19	4.63
27	Isabella	34	32	1,202	0.50	7.11	4.26
28	Kalamazoo	9	57	4,512	0.42	5.56	3.96
29	Grand Traverse	25	42	1,581	0.46	5.77	4.46
30	Menominee	51	17	642	0.54	7.04	5.23
31	Otsego	50	18	649	0.54	8.09	6.26
32	Calhoun	15	54	3,137	0.43	6.40	4.47
33	Kalkaska	61	10	515	0.60	9.21	6.93
34	Ottawa	10	61	3,440	0.41	4.65	4.03
35	Shiawassee	27	44	1,513	0.45	5.80	4.21
36	Delta	39	37	907	0.48	6.24	4.69
37	St. Clair	17	60	2,971	0.42	5.27	3.85
38	Dickinson	58	20	558	0.53	5.40	4.12
39	Huron	44	35	738	0.48	5.27	4.19
40	Ionia	29	50	1,347	0.44	7.06	4.50
41	Oakland	2	77	20,041	0.35	4.62	3.49
42	Eaton	21	59	2,030	0.42	5.68	4.14
43	Berrien	11	70	3,390	0.38	5.76	4.20
44	Monroe	14	67	3,147	0.40	6.15	4.52
45	Osceola	48	33	704	0.49	8.61	6.50

1993 - 1997 COUNTY RANKING

KAB – Crash Frequency and Rate per 1 Million VMT (Continued)

Overall Rank	COUNTY	Frequency Ranking	Rate per 1M VMT Ranking	Number of KAB Crashes	Rate per 1 Million VMT	OTHER RATES	
						Rate per 1,000 Drivers	Rate per 1,000 Population
46	Livingston	16	66	3,073	0.40	6.15	4.60
47	Montmorency	77	5	250	0.65	6.50	5.15
48	Washtenaw	7	76	5,318	0.36	5.18	3.63
49	Marquette	32	52	1,246	0.44	5.37	3.76
50	Luce	82	3	215	0.67	9.74	7.20
51	Keweenaw	83	4	93	0.66	12.75	9.51
52	Gladwin	62	26	501	0.51	5.38	4.13
53	Iosco	54	38	606	0.47	5.62	4.93
54	Alger	70	23	299	0.52	8.62	6.06
55	Charlevoix	65	28	462	0.51	5.03	4.00
56	Manistee	64	29	489	0.50	5.51	4.28
57	Midland	28	65	1,390	0.40	4.59	3.48
58	Clare	45	49	735	0.45	6.86	5.24
59	Missaukee	72	22	287	0.53	5.90	4.28
60	Sanilac	43	51	763	0.44	4.88	3.63
61	Ogemaw	57	39	589	0.47	7.48	5.75
62	Oceana	59	43	536	0.45	5.88	4.49
63	Lake	69	34	312	0.49	8.58	6.41
64	Alpena	56	48	594	0.45	5.09	3.86
65	Chippewa	46	58	720	0.42	6.28	3.89
66	Gratiot	42	71	861	0.37	6.11	4.32
67	Cheboygan	53	62	625	0.41	6.80	5.48
68	Clinton	33	82	1,232	0.27	5.68	4.00
69	Oscoda	78	40	232	0.46	6.96	5.38
70	Roscommon	52	68	637	0.38	6.65	5.70
71	Antrim	63	69	495	0.38	6.17	4.91
72	Arenac	60	73	516	0.36	8.52	6.41
73	Baraga	81	56	217	0.43	7.32	5.20
74	Alcona	75	64	267	0.40	5.97	5.04
75	Iron	76	63	265	0.41	5.32	4.03
76	Benzie	72	72	287	0.36	5.23	4.22
77	Crawford	67	80	358	0.31	7.74	5.30
78	Gogebic	74	75	279	0.36	4.35	3.13
79	Leelanau	68	81	344	0.28	4.71	3.75
80	Mackinac	66	83	388	0.26	8.67	7.07
81	Presque Isle	72	78	287	0.34	5.15	4.04
82	Ontonagon	81	74	217	0.36	6.55	5.10
83	Schoolcraft	79	79	230	0.34	6.90	5.31