

Section E: Chemical Health Tables

County-Level Chemical Health Indicators

Why county-level chemical health indicators?

Chemical health is the behaviors, decisions, and environments around the use of alcohol, tobacco and other drugs. A chemical health indicator measures a condition or behavior that is a precursor to and/or outcome of chemical use. This section focuses on alcohol and tobacco because they are, by far, the drugs of choice in Minnesota and they contribute to many public health problems. This section provides information that can be used to plan effective chemical health promotion strategies and policies.

The data in this section are state and county-level chemical health data. Data for more local geographic levels are not consistently collected or available across the state. Local public health staff and others can work with community organizations (law enforcement, education, faith communities, businesses and others) to see if data are collected in a way that could be used for planning and evaluation.

Why look at a package of indicators?

One indicator cannot capture the whole issue. A package includes several indicators, which, when used together, provide a better picture of an issue. In addition, gathering other data from local sources and using qualitative data from focus groups and community opinion surveys will enhance the use of this package.

What indicators are in the package?

The package focuses on the following areas: impaired driving incidents (DWI), Not a Drop violations and motor vehicle crashes, injuries and fatalities. Previous years' data can be found on the Minnesota Planning website at www.mnplan.state.mn.us/datanetweb/health.html

Additional Chemical Health Indicators

Adults who report drinking and driving see the **Morbidity and Utilization Table 7a (page D-29)** in the 2002 Minnesota County Health Tables.

The Minnesota Coordinated School Health website, www.mnschoolhealth.com/resources.html?ac=data, contains health and related topics by state and county from the 2001 Minnesota Student Survey. The following is a list of tables in the Minnesota Student Survey that are relevant to chemical health.

2001 Minnesota Student Survey

- Table 5: Student use of alcohol or drugs is a problem at this school.
- Table 6: Been offered, sold or given illegal drugs on school property?
- Table 12: Family substance abuse
- Table 15: Received treatment for an alcohol or other drug problem?
- Table 20: Sources of information about alcohol and other drugs?
- Table 27: Annual and daily tobacco use, frequent binge drinking and any alcohol or other drug use.
- Table 28: Various questions about cigarette use.
- Table 29: Cigar and smokeless tobacco use
- Table 30: Access to tobacco
- Table 31: Various questions about alcohol use including binge drinking.
- Table 32: Access to alcohol
- Table 33: Drinking/other drug use and driving/riding
- Table 34: Marijuana, inhalants and prescription drugs
- Table 35: Amphetamines, methamphetamine, cocaine and ecstasy
- Table 36: Hallucinogens, opiates and tranquilizers
- Table 37: Access to other drugs
- Table 38: Substance use patterns
- Table 39: Reasons for substance use
- Table 40: Reasons for substance non-use
- Table 41A & B: Consequences of substance use

Chemical Health Table 1: Minnesota Alcohol-Related Motor Vehicle Crashes by State and County, 2000-2002

	2000			2001			2002			2000-2002 Percent Average Alcohol Related Crashes
	Total Crashes	Alcohol Related Crashes		Total Crashes	Alcohol Related Crashes		Total Crashes	Alcohol Related Crashes		
	Number	Number	Percent	Number	Number	Percent	Number	Number	Percent	
State of Minnesota	103,590	5,750	5.6	98,984	5,384	5.4	94,969	5,652	6.0	5.6
Aitkin	327	31	9.5	314	26	8.3	305	23	7.5	8.5
Anoka	4,954	303	6.1	4,597	285	6.2	4,511	295	6.5	6.3
Becker	368	45	12.2	365	38	10.4	381	55	14.4	12.4
Beltrami	847	70	8.3	753	44	5.8	787	56	7.1	7.1
Benton	619	43	6.9	658	39	5.9	721	56	7.8	6.9
Big Stone	86	4	4.7	95	10	10.5	81	4	4.9	6.9
Blue Earth	1,452	68	4.7	1,423	61	4.3	1,351	75	5.6	4.8
Brown	482	23	4.8	481	23	4.8	421	18	4.3	4.6
Carlton	461	36	7.8	385	28	7.3	321	32	10.0	8.2
Carver	1,202	73	6.1	1,231	70	5.7	1,211	71	5.9	5.9
Cass	483	68	14.1	432	56	13.0	431	64	14.8	14.0
Chippewa	176	14	8.0	182	15	8.2	163	16	9.8	8.6
Chisago	878	61	6.9	823	48	5.8	834	53	6.4	6.4
Clay	918	39	4.2	905	48	5.3	847	55	6.5	5.3
Clearwater	121	9	7.4	86	6	7.0	85	8	9.4	7.9
Cook	149	10	6.7	119	11	9.2	134	15	11.2	9.0
Cottonwood	159	16	10.1	169	9	5.3	151	12	7.9	7.7
Crow Wing	1,245	77	6.2	1,222	90	7.4	1,152	80	6.9	6.8
Dakota	6,026	313	5.2	5,795	272	4.7	5,717	301	5.3	5.1
Dodge	304	19	6.3	275	15	5.5	238	14	5.9	5.9
Douglas	907	52	5.7	1,019	48	4.7	822	36	4.4	4.9
Faribault	171	12	7.0	231	19	8.2	143	12	8.4	7.9
Fillmore	325	25	7.7	301	21	7.0	285	23	8.1	7.6
Freeborn	842	44	5.2	822	33	4.0	712	51	7.2	5.4
Goodhue	1,106	62	5.6	955	63	6.6	1,008	53	5.3	5.8
Grant	107	9	8.4	116	7	6.0	104	11	10.6	8.3
Hennepin	30,819	1,288	4.2	28,515	1,243	4.4	26,764	1,239	4.6	4.4
Houston	328	27	8.2	290	26	9.0	330	31	9.4	8.9
Hubbard	275	26	9.5	232	16	6.9	274	37	13.5	10.1
Isanti	596	36	6.0	634	33	5.2	581	36	6.2	5.8
Itasca	728	74	10.2	652	64	9.8	671	65	9.7	9.9
Jackson	202	7	3.5	196	12	6.1	177	14	7.9	5.7
Kanabec	260	24	9.2	232	17	7.3	242	18	7.4	8.0
Kandiyohi	760	39	5.1	776	33	4.3	821	48	5.8	5.1
Kittson	72	5	6.9	79	2	2.5	96	4	4.2	4.5
Koochiching	169	20	11.8	172	20	11.6	143	7	4.9	9.7
Lac Qui Parle	55	6	10.9	67	2	3.0	80	5	6.3	6.4
Lake	242	15	6.2	191	15	7.9	212	17	8.0	7.3
Lake of the Woods	64	11	17.2	35	4	11.4	62	11	17.7	16.1
Le Sueur	505	41	8.1	442	37	8.4	451	33	7.3	7.9
Lincoln	114	4	3.5	101	3	3.0	112	8	7.1	4.6
Lyon	426	22	5.2	408	22	5.4	394	19	4.8	5.1
McLeod	622	31	5.0	677	30	4.4	603	32	5.3	4.9
Mahnomen	73	17	23.3	71	12	16.9	95	17	17.9	19.2
Marshall	84	12	14.3	90	11	12.2	89	17	19.1	15.2
Martin	332	31	9.3	382	20	5.2	355	18	5.1	6.5
Meeker	302	15	5.0	367	18	4.9	331	28	8.5	6.1
Mille Lacs	417	33	7.9	434	26	6.0	416	30	7.2	7.0

	2000			2001			2002			2000-2002 Percent Average Alcohol Related Crashes
	Total Crashes	Alcohol Related Crashes		Total Crashes	Alcohol Related Crashes		Total Crashes	Alcohol Related Crashes		
	Number	Number	Percent	Number	Number	Percent	Number	Number	Percent	
State of Minnesota	103,590	5,750	5.6	98,984	5,384	5.4	94,969	5,652	6.0	5.6
Morrison	500	55	11.0	490	46	9.4	505	60	11.9	10.8
Mower	757	45	5.9	767	45	5.9	732	47	6.4	6.1
Murray	134	7	5.2	140	7	5.0	109	7	6.4	5.5
Nicollet	501	24	4.8	592	28	4.7	480	22	4.6	4.7
Nobles	399	20	5.0	412	15	3.6	348	18	5.2	4.6
Norman	93	10	10.8	94	7	7.4	90	9	10.0	9.4
Olmsted	2,484	112	4.5	2,340	97	4.1	2,262	103	4.6	4.4
Otter Tail	962	69	7.2	1,015	89	8.8	910	76	8.4	8.1
Pennington	219	15	6.8	170	14	8.2	166	11	6.6	7.2
Pine	538	65	12.1	515	40	7.8	492	44	8.9	9.6
Pipestone	120	10	8.3	115	3	2.6	103	4	3.9	5.0
Polk	438	48	11.0	446	35	7.8	440	41	9.3	9.4
Pope	165	13	7.9	148	15	10.1	122	15	12.3	9.9
Ramsey	14,894	697	4.7	14,066	681	4.8	13,379	684	5.1	4.9
Red Lake	50	7	14.0	48	5	10.4	64	7	10.9	11.7
Redwood	199	19	9.5	243	15	6.2	206	27	13.1	9.4
Renville	220	19	8.6	263	18	6.8	237	14	5.9	7.1
Rice	1,194	74	6.2	1,141	79	6.9	1,180	75	6.4	6.5
Rock	236	15	6.4	257	9	3.5	213	14	6.6	5.4
Roseau	164	17	10.4	235	21	8.9	214	16	7.5	8.8
St. Louis	2,812	260	9.2	2,512	199	7.9	2,507	237	9.5	8.9
Scott	1,568	83	5.3	1,620	122	7.5	1,586	126	7.9	6.9
Sherburne	1,180	62	5.3	1,242	66	5.3	1,369	85	6.2	5.6
Sibley	236	21	8.9	214	10	4.7	186	18	9.7	7.7
Stearns	2,541	164	6.5	2,370	161	6.8	2,346	144	6.1	6.5
Steele	788	42	5.3	800	28	3.5	777	35	4.5	4.4
Stevens	117	7	6.0	120	6	5.0	100	6	6.0	5.6
Swift	97	5	5.2	119	8	6.7	80	6	7.5	6.4
Todd	418	32	7.7	398	29	7.3	368	26	7.1	7.3
Traverse	37	3	8.1	43	4	9.3	22	5	22.7	11.8
Wabasha	347	24	6.9	322	23	7.1	315	21	6.7	6.9
Wadena	216	16	7.4	210	9	4.3	201	16	8.0	6.5
Waseca	315	14	4.4	325	25	7.7	288	20	6.9	6.4
Washington	3,346	173	5.2	3,181	165	5.2	3,246	177	5.5	5.3
Watonwan	166	5	3.0	192	8	4.2	154	13	8.4	5.1
Wilkin	149	10	6.7	140	14	10.0	163	14	8.6	8.4
Winona	1,201	69	5.7	1,034	65	6.3	1,022	59	5.8	5.9
Wright	1,464	100	6.8	1,654	107	6.5	1,562	112	7.2	6.8
Yellow Medicine	165	9	5.5	159	11	6.9	146	12	8.2	6.8

Source: Minnesota Department of Public Safety

A **crash** is considered alcohol-related if the investigating officer suspects alcohol-involvement for any driver, pedestrian or bicyclist involved in the crash. Crashes are by county of occurrence.

2000-2002 average: The average is determined by adding up all the events that occurred in the three years and then dividing that sum by three.

**Chemical Health Table 2: Minnesota Alcohol-Related Motor Vehicle Injuries
by State and County, 2000-2002**

	2000			2001			2002			Percent Average Alcohol Related Injuries
	Total Injuries	Alcohol Related Injuries		Total Injuries	Alcohol Related Injuries		Total Injuries	Alcohol Related Injuries		
	Number	Number	Percent	Number	Number	Percent	Number	Number	Percent	
State of Minnesota	44,740	4,402	9.8	42,223	4,034	9.69	40,677	4,221	10.4	9.9
Aitkin	159	29	18.2	104	16	15.4	115	14	12.2	15.6
Anoka	2,611	236	9.0	2,323	221	9.5	2,243	238	10.6	9.7
Becker	235	51	21.7	222	35	15.8	265	51	19.2	19.0
Beltrami	359	79	22.0	307	47	15.3	413	63	15.3	17.5
Benton	296	38	12.8	330	23	7.0	376	48	12.8	10.9
Big Stone	26	2	7.7	47	10	21.3	26	2	7.7	14.1
Blue Earth	570	46	8.1	506	38	7.5	482	45	9.3	8.3
Brown	235	24	10.2	170	10	5.9	209	12	5.7	7.5
Carlton	232	35	15.1	189	13	6.9	160	32	20.0	13.8
Carver	520	40	7.7	566	76	13.4	550	52	9.5	10.3
Cass	323	86	26.6	268	66	24.6	272	79	29.0	26.8
Chippewa	116	15	12.9	99	13	13.1	92	18	19.6	15.0
Chisago	429	41	9.6	405	46	11.4	433	63	14.5	11.8
Clay	356	29	8.1	360	47	13.1	336	28	8.3	9.9
Clearwater	50	10	20.0	42	4	9.5	48	15	31.3	20.7
Cook	76	10	13.2	45	7	15.6	61	11	18.0	15.4
Cottonwood	78	9	11.5	65	9	13.8	66	13	19.7	14.8
Crow Wing	641	68	10.6	635	87	13.7	562	62	11.0	11.8
Dakota	2,552	209	8.2	2,533	172	6.8	2,431	206	8.5	7.8
Dodge	132	10	7.6	150	14	9.3	101	9	8.9	8.6
Douglas	351	38	10.8	389	38	9.8	278	28	10.1	10.2
Faribault	95	9	9.5	117	12	10.3	83	11	13.3	10.8
Fillmore	136	14	10.3	141	22	15.6	145	20	13.8	13.3
Freeborn	336	33	9.8	267	30	11.2	305	37	12.1	11.0
Goodhue	459	36	7.8	451	48	10.6	421	31	7.4	8.6
Grant	45	6	13.3	47	6	12.8	57	11	19.3	15.4
Hennepin	12,267	864	7.0	10,879	784	7.2	10,167	817	8.0	7.4
Houston	128	22	17.2	109	25	22.9	123	25	20.3	20.0
Hubbard	150	22	14.7	124	17	13.7	184	31	16.8	15.3
Isanti	275	33	12.0	302	25	8.3	305	31	10.2	10.1
Itasca	331	40	12.1	352	58	16.5	300	44	14.7	14.4
Jackson	110	8	7.3	90	14	15.6	96	16	16.7	12.8
Kanabec	158	20	12.7	118	13	11.0	149	24	16.1	13.4
Kandiyohi	369	22	6.0	417	32	7.7	471	38	8.1	7.3
Kittson	24	10	41.7	15	2	13.3	22	4	18.2	26.2
Koochiching	116	13	11.2	110	20	18.2	81	6	7.4	12.7
Lac Qui Parle	32	5	15.6	24	1	4.2	42	4	9.5	10.2
Lake	117	15	12.8	105	19	18.1	84	8	9.5	13.7
Lake of the Woods	24	11	45.8	12	1	8.3	20	11	55.0	41.1
Le Sueur	242	37	15.3	208	31	14.9	198	21	10.6	13.7
Lincoln	28	0	0.0	33	2	6.1	55	8	14.5	8.6
Lyon	206	24	11.7	183	12	6.6	173	10	5.8	8.2
McLeod	285	19	6.7	292	23	7.9	289	30	10.4	8.3
Mahnomen	61	30	49.2	43	14	32.6	58	18	31.0	38.3
Marshall	50	10	20.0	39	11	28.2	46	15	32.6	26.7
Martin	163	27	16.6	178	19	10.7	164	12	7.3	11.5
Meeker	156	7	4.5	216	14	6.5	172	31	18.0	9.6
Mille Lacs	264	36	13.6	294	40	13.6	232	28	12.1	13.2
Morrison	275	47	17.1	247	26	10.5	299	45	15.1	14.4

	2000			2001			2002			Percent Average Alcohol Related Injuries
	Total Injuries	Alcohol Related Injuries		Total Injuries	Alcohol Related Injuries		Total Injuries	Alcohol Related Injuries		
	Number	Number	Percent	Number	Number	Percent	Number	Number	Percent	
State of Minnesota	44,740	4,402	9.8	42,223	4,034	9.69	40,677	4,221	10.4	9.9
Mower	274	26	9.5	301	36	12.0	305	35	11.5	11.0
Murray	56	2	3.6	75	5	6.7	40	4	10.0	6.4
Nicollet	182	13	7.1	231	19	8.2	157	15	9.6	8.2
Nobles	179	12	6.7	154	10	6.5	118	10	8.5	7.1
Norman	36	11	30.6	33	5	15.2	54	6	11.1	17.9
Olmsted	1,171	91	7.8	1,222	89	7.3	1,181	89	7.5	7.5
Otter Tail	416	54	13.0	483	88	18.2	452	61	13.5	15.0
Pennington	136	12	8.8	110	13	11.8	97	8	8.2	9.6
Pine	332	81	24.4	245	36	14.7	293	41	14.0	18.2
Pipestone	57	5	8.8	64	6	9.4	58	5	8.6	8.9
Polk	202	39	19.3	190	23	12.1	190	26	13.7	15.1
Pope	82	14	17.1	49	8	16.3	46	9	19.6	17.5
Ramsey	5,218	461	8.8	4,938	438	8.9	4,519	419	9.3	9.0
Red Lake	18	6	33.3	12	4	33.3	18	4	22.2	29.2
Redwood	119	20	16.8	137	16	11.7	114	27	23.7	17.0
Renville	142	16	11.3	130	6	4.6	127	7	5.5	7.3
Rice	623	76	12.2	531	58	10.9	569	72	12.7	12.0
Rock	75	12	16.0	76	6	7.9	63	7	11.1	11.7
Roseau	79	17	21.5	110	17	15.5	108	12	11.1	15.5
St. Louis	1,503	219	14.6	1,389	169	12.2	1,453	192	13.2	13.3
Scott	824	93	11.3	750	89	11.9	812	103	12.7	11.9
Sherburne	517	48	9.3	626	67	10.7	639	56	8.8	9.6
Sibley	95	14	14.7	101	4	4.0	116	21	18.1	12.5
Stearns	1,348	145	10.8	1,232	98	8.0	1,243	117	9.4	9.4
Steele	257	30	11.7	221	22	10.0	242	21	8.7	10.1
Stevens	48	4	8.3	61	4	6.6	57	7	12.3	9.0
Swift	44	5	11.4	74	3	4.1	41	3	7.3	6.9
Todd	181	23	12.7	175	21	12.0	147	18	12.2	12.3
Traverse	11	2	18.2	23	4	17.4	7	2	28.6	19.5
Wabasha	166	19	11.4	154	23	14.9	146	19	13.0	13.1
Wadena	99	16	16.2	101	8	7.9	113	11	9.7	11.2
Waseca	173	25	14.5	159	16	10.1	155	13	8.4	11.1
Washington	1,436	138	9.6	1,400	144	10.3	1,391	147	10.6	10.1
Watonwan	47	3	6.4	70	4	5.7	66	13	19.7	10.9
Wilkin	58	5	8.6	74	12	16.2	72	11	15.3	13.7
Winona	458	37	8.1	418	45	10.8	342	34	9.9	9.5
Wright	743	74	10.0	824	85	10.3	781	87	11.1	10.5
Yellow Medicine	86	9	10.5	90	14	15.6	66	11	16.7	14.0

Source: Minnesota Department of Public Safety

An **injury** is considered alcohol-related if the investigating officer suspects alcohol-involvement for any driver, pedestrian or bicyclist involved in the crash. Injuries are by county of occurrence.

2000-2002 Average: The average is determined by adding up all the events that occurred in the three years and then dividing that sum by three.

Chemical Health Table 3: Minnesota Alcohol-Related Motor Vehicle Fatalities by State and County, 2000-2002

	2000			2001			2002			2000-2002 Percent Average Alcohol Related Fatalities
	Total Fatalities	Alcohol Related Fatalities		Total Fatalities	Alcohol Related Fatalities		Total Fatalities	Alcohol Related Fatalities		
	Number	Number	Percent	Number	Number	Percent	Number	Number	Percent	
State of Minnesota	625	245	39.2	568	211	37.1	657	239	36.4	37.6
Aitkin	5	3	60.0	5	1	20.0	5	1	20.0	33.3
Anoka	23	9	39.1	26	8	30.8	24	8	33.3	34.2
Becker	11	5	45.5	2	2	100.0	6	5	83.3	63.2
Beltrami	8	2	25.0	1	0	0.0	5	1	20.0	21.4
Benton	8	3	37.5	9	2	22.2	13	4	30.8	30.0
Big Stone	1	1	100.0	1	1	100.0	1	0	0.0	66.7
Blue Earth	7	1	14.3	3	1	33.3	5	1	20.0	20.0
Brown	5	3	60.0	0	0	0.0	3	0	0.0	37.5
Carlton	6	1	16.7	3	1	33.3	11	4	36.4	30.0
Carver	11	6	54.5	14	10	71.4	14	3	21.4	48.7
Cass	18	10	55.6	14	10	71.4	19	10	52.6	58.8
Chippewa	1	0	0.0	0	0	0.0	5	4	80.0	66.7
Chisago	9	2	22.2	2	0	0.0	11	0	0.0	9.1
Clay	8	2	25.0	9	3	33.3	13	7	53.8	40.0
Clearwater	3	2	66.7	4	3	75.0	4	1	25.0	54.5
Cook	3	2	66.7	1	0	0.0	2	1	50.0	50.0
Cottonwood	1	1	100.0	2	1	50.0	0	0		66.7
Crow Wing	17	8	47.1	12	7	58.3	8	6	75.0	56.8
Dakota	35	9	25.7	30	14	46.7	22	6	27.3	33.3
Dodge	4	3	75.0	5	1	20.0	3	1	33.3	41.7
Douglas	6	1	16.7	4	0	0.0	1	0	0.0	9.1
Faribault	2	2	100.0	2	2	100.0	3	0	0.0	57.1
Fillmore	4	2	50.0	1	0	0.0	2	1	50.0	42.9
Freeborn	5	2	40.0	6	2	33.3	8	3	37.5	36.8
Goodhue	7	3	42.9	12	3	25.0	7	1	14.3	26.9
Grant	2	0	0.0	1	1	100.0	4	2	50.0	42.9
Hennepin	51	24	47.1	67	18	26.9	61	17	27.9	33.0
Houston	2	1	50.0	3	1	33.3	4	0	0.0	22.2
Hubbard	3	0	0.0	10	4	40.0	8	5	62.5	42.9
Isanti	4	1	25.0	4	0	0.0	9	4	44.4	29.4
Itasca	11	6	54.5	10	7	70.0	5	2	40.0	57.7
Jackson	3	1	33.3	1	0	0.0	3	0	0.0	14.3
Kanabec	7	4	57.1	5	1	20.0	8	4	50.0	45.0
Kandiyohi	7	2	28.6	6	0	0.0	9	0	0.0	9.1
Kittson	1	0	0.0	1	0	0.0	3	2	66.7	40.0
Koochiching	1	0	0.0	4	2	50.0	0	0		40.0
Lac Qui Parle	1	0	0.0	1	0	0.0	1	0	0.0	0.0
Lake	5	2	40.0	1	0	0.0	3	1	33.3	33.3
Lake of the Woods	1	1	100.0	1	0	0.0	4	2	50.0	50.0
Le Sueur	4	2	50.0	10	4	40.0	6	2	33.3	40.0
Lincoln	3	1	33.3	1	0	0.0	3	2	66.7	42.9
Lyon	3	0	0.0	5	1	20.0	1	0	0.0	11.1
McLeod	3	1	33.3	2	0	0.0	7	0	0.0	8.3
Mahnomen	6	5	83.3	1	1	100.0	2	1	50.0	77.8

	2000			2001			2002			2000-2002 Percent Average Alcohol Related Fatalities
	Total Fatalities	Alcohol Related Fatalities		Total Fatalities	Alcohol Related Fatalities		Total Fatalities	Alcohol Related Fatalities		
	Number	Number	Percent	Number	Number	Percent	Number	Number	Percent	
State of Minnesota	625	245	39.2	568	211	37.1	657	239	36.4	37.6
Marshall	2	1	50.0	3	3	100.0	3	1	33.3	62.5
Martin	2	1	50.0	6	1	16.7	3	0	0.0	18.2
Meeker	7	1	14.3	3	2	66.7	5	3	60.0	40.0
Mille Lacs	3	1	33.3	6	2	33.3	7	2	28.6	31.3
Morrison	13	6	46.2	7	1	14.3	15	11	73.3	51.4
Mower	7	1	14.3	2	1	50.0	7	2	28.6	25.0
Murray	1	1	100.0	1	1	100.0	2	1	50.0	75.0
Nicollet	1	0	0.0	7	1	14.3	0	0		12.5
Nobles	3	3	100.0	6	1	16.7	4	1	25.0	38.5
Norman	2	0	0.0	2	0	0.0	4	2	50.0	25.0
Olmsted	25	7	28.0	12	3	25.0	15	8	53.3	34.6
Otter Tail	18	9	50.0	14	8	57.1	11	3	27.3	46.5
Pennington	5	3	60.0	1	0	0.0	4	0	0.0	30.0
Pine	4	4	100.0	7	1	14.3	9	5	55.6	50.0
Pipestone	3	3	100.0	1	0	0.0	3	2	66.7	71.4
Polk	3	2	66.7	4	2	50.0	6	1	16.7	38.5
Pope	0	0	0.0	3	2	66.7	4	2	50.0	57.1
Ramsey	33	9	27.3	27	13	48.1	36	20	55.6	43.8
Red Lake	1	0	0.0	0	0	0.0	3	3	100.0	75.0
Redwood	3	0	0.0	3	1	33.3	0	0		16.7
Renville	11	2	18.2	1	1	100.0	5	1	20.0	23.5
Rice	20	11	55.0	13	5	38.5	14	3	21.4	40.4
Rock	4	4	100.0	2	0	0.0	1	1	100.0	71.4
Roseau	6	3	50.0	6	2	33.3	3	2	66.7	46.7
St. Louis	26	16	61.5	27	12	44.4	32	12	37.5	47.1
Scott	11	2	18.2	15	8	53.3	19	8	42.1	40.0
Sherburne	4	1	25.0	10	1	10.0	15	5	33.3	24.1
Sibley	9	0	0.0	1	0	0.0	0	0		0.0
Stearns	17	4	23.5	19	9	47.4	16	4	25.0	32.7
Steele	4	2	50.0	2	0	0.0	3	1	33.3	33.3
Stevens	0	0	0.0	0	0	0.0	3	1	33.3	33.3
Swift	1	0	0.0	3	2	66.7	2	1	50.0	50.0
Todd	6	1	16.7	5	3	60.0	1	1	100.0	41.7
Traverse	0	0	0.0	1	1	100.0	3	0	0.0	25.0
Wabasha	4	3	75.0	5	0	0.0	5	1	20.0	28.6
Wadena	3	1	33.3	5	1	20.0	2	1	50.0	30.0
Waseca	2	1	50.0	2	0	0.0	4	1	25.0	25.0
Washington	16	2	12.5	13	5	38.5	16	3	18.8	22.2
Watonwan	0	0	0.0	1	1	100.0	2	0	0.0	33.3
Wilkin	1	0	0.0	3	0	0.0	3	1	33.3	14.3
Winona	6	1	16.7	8	2	25.0	11	6	54.5	36.0
Wright	8	4	50.0	8	3	37.5	17	5	29.4	36.4
Yellow Medicine	4	1	25.0	1	0	0.0	3	2	66.7	37.5

Source: Minnesota Department of Public Safety

A **fatality** is considered alcohol-related if the investigating officer suspects alcohol-involvement for any driver, pedestrian or bicyclist involved in the crash. Fatalities are by county of occurrence.

2000-2002 Average: The average is determined by adding up all the events that occurred in the three years and then dividing that sum by three

Chemical Table 4: Minnesota Driving While Impaired Violations - Number & Rate per 10,000 Population by State and County of Occurrence, 1998-2002

	1998		1999		2000		2001		2002		1998-2002
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Rate
State of Minnesota*	32,172	68.1	34,096	71.4	34,971	71.1	33,305	67.0	33,032	65.8	68.6
Aitkin	188	132.8	173	121.0	219	143.1	229	148.6	245	158.1	141.2
Anoka	1,659	56.8	2,060	68.9	2,173	72.9	1,855	60.7	1,702	54.9	62.8
Becker	349	118.8	400	134.4	540	180.0	415	135.9	461	149.7	143.9
Beltrami	336	86.8	332	84.7	381	96.1	398	98.5	446	108.7	95.1
Benton	174	51.0	261	74.9	265	77.4	246	69.5	275	75.7	69.8
Big Stone	23	40.7	16	**	15	**	31	54.0	40	70.5	43.9
Blue Earth	502	93.4	453	84.1	551	98.5	595	106.4	599	105.6	97.8
Brown	104	38.5	148	55.0	168	62.4	135	50.5	149	55.9	52.4
Carlton	263	85.3	238	75.6	270	85.3	293	91.3	307	94.2	86.4
Carver	312	48.2	280	41.8	256	36.5	303	41.3	335	44.3	42.3
Cass	220	83.1	263	97.3	250	92.1	232	83.9	243	87.3	88.7
Chippewa	46	35.2	71	54.5	68	52.0	79	61.0	99	76.6	55.8
Chisago	318	77.8	332	78.5	311	75.7	362	83.3	297	66.6	76.3
Clay	552	107.0	530	102.5	607	118.5	537	104.1	561	108.0	108.0
Clearwater	132	159.3	146	179.2	100	118.7	86	102.3	73	86.9	128.9
Cook	64	133.6	70	146.7	73	141.3	72	139.3	64	123.2	136.7
Cottonwood	41	34.0	58	48.7	53	43.6	39	32.6	61	50.7	41.9
Crow Wing	520	100.6	460	87.4	520	94.4	465	82.6	414	72.8	87.3
Dakota	2,636	77.0	2,529	72.4	2,632	74.0	2,751	75.6	2,763	74.9	74.8
Dodge	79	45.9	87	50.0	120	67.7	169	92.7	149	80.3	67.8
Douglas	184	59.3	216	69.1	254	77.4	249	74.6	230	68.6	69.9
Faribault	107	65.9	106	65.2	108	66.7	96	60.0	103	64.7	64.5
Fillmore	123	59.2	121	58.5	142	67.2	143	67.1	144	67.2	63.9
Freeborn	293	92.8	300	95.2	285	87.5	299	92.6	280	87.2	91.0
Goodhue	232	53.8	301	69.4	348	78.9	345	77.3	294	65.7	69.1
Grant	29	46.9	29	47.7	27	42.9	22	35.3	32	51.2	44.8
Hennepin	7,129	67.3	7,286	68.5	6,843	61.3	6,429	57.7	6,656	59.3	62.7
Houston	103	53.5	172	88.3	179	90.8	207	103.8	162	81.6	83.8
Hubbard	113	66.7	155	91.0	154	83.8	118	64.0	141	76.5	76.3
Isanti	177	58.8	260	84.2	194	62.0	168	51.3	160	47.3	60.4
Itasca	319	72.7	348	78.8	367	83.4	288	65.4	268	60.7	72.2
Jackson	48	41.6	59	51.9	70	62.1	62	55.6	47	41.7	50.5
Kanabec	84	59.3	105	72.8	170	113.4	109	71.0	102	66.0	76.6
Kandiyohi	225	54.8	265	64.9	273	66.3	272	66.2	282	69.1	64.2
Kittson	33	62.0	32	61.8	21	39.7	11	**	11	*	41.6
Koochiching	126	81.1	122	81.9	106	73.8	83	58.6	126	90.1	77.2
Lac Qui Parle	10	**	25	32.0	33	40.9	18	**	33	41.6	29.9
Lake	48	45.4	56	52.0	66	59.7	41	37.0	49	44.2	47.6
Lake of the Woods	27	59.2	51	110.4	30	66.3	30	67.5	26	59.3	72.8
Le Sueur	108	42.7	139	54.6	174	68.4	142	55.2	155	59.6	56.1
Lincoln	36	55.7	21	32.7	11	**	10	**	13	*	28.5
Lyon	158	64.9	213	87.8	185	72.8	231	91.6	173	68.9	77.2
McLeod	267	78.5	285	82.5	265	75.9	272	77.0	256	72.3	77.2
Mahnomen	136	267.9	150	294.6	120	231.2	119	228.2	127	246.6	253.5
Marshall	33	32.0	30	29.7	32	31.5	34	33.9	36	36.3	32.7
Martin	130	59.1	127	58.3	149	68.3	132	61.3	148	69.7	63.3
Meeker	159	73.2	168	77.2	131	57.9	89	39.0	113	49.4	59.0
Mille Lacs	254	120.7	305	142.9	409	183.2	347	150.6	297	125.7	144.7
Morrison	212	69.4	208	68.1	248	78.2	220	68.3	195	60.3	68.8
Mower	303	81.8	387	104.2	376	97.4	357	92.4	343	88.4	92.8
Murray	67	70.4	42	44.1	30	32.7	35	38.9	41	45.5	46.5
Nicollet	176	59.5	200	68.3	264	88.7	304	101.0	349	115.3	86.8

	1998		1999		2000		2001		2002		1998-2002
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Rate
State of Minnesota*	32,172	68.1	34,096	71.4	34,971	71.1	33,305	67.0	33,032	65.8	68.6
Nobles	142	73.5	150	78.5	185	88.8	150	72.6	181	88.5	80.5
Norman	41	54.4	45	59.9	25	33.6	26	35.3	49	67.0	50.0
Olmsted	668	57.2	824	69.2	849	68.3	815	64.5	794	61.6	64.2
Otter Tail	264	48.1	345	62.1	321	56.2	339	58.7	321	55.3	56.1
Pennington	98	72.3	102	75.2	116	85.4	115	85.5	117	86.6	81.0
Pine	244	102.0	195	79.2	249	93.9	281	103.7	228	83.4	92.4
Pipestone	89	88.2	59	59.0	74	74.8	71	72.0	46	47.1	68.3
Polk	340	109.8	324	105.2	315	100.4	309	99.2	295	94.8	101.9
Pope	44	40.4	83	76.2	80	71.2	93	82.9	78	69.7	68.2
Ramsey	2,794	57.5	2,620	53.9	2,864	56.0	2,830	55.6	2,657	52.0	55.0
Red Lake	22	51.5	36	85.7	36	83.7	45	104.8	41	95.1	84.2
Redwood	81	49.1	84	51.2	77	45.8	69	41.6	80	49.2	47.3
Renville	106	62.6	115	68.4	87	50.7	85	50.1	98	57.5	57.8
Rice	429	79.3	460	83.7	532	93.9	447	77.5	413	70.5	80.9
Rock	31	31.8	38	39.5	45	46.3	24	24.7	41	41.9	36.9
Roseau	99	61.4	88	54.7	129	79.0	109	67.4	128	78.9	68.3
St. Louis	1,437	74.3	1,638	84.7	1,661	82.8	1,457	73.0	1,445	72.3	77.4
Scott	593	75.0	757	91.2	699	78.1	740	75.4	661	63.8	76.1
Sherburne	419	69.4	442	69.8	470	73.0	368	53.6	393	55.0	63.7
Sibley	116	79.6	122	82.6	109	71.0	133	86.5	120	78.0	79.5
Stearns	756	59.0	767	59.0	1,026	77.0	875	65.1	763	56.2	63.3
Steele	213	67.1	277	86.4	248	73.6	216	63.3	175	50.9	68.0
Stevens	28	27.6	29	29.1	40	39.8	31	31.5	36	36.4	32.9
Swift	83	76.8	59	52.0	48	40.1	54	46.4	44	37.9	50.2
Todd	184	76.6	149	61.5	159	65.1	142	57.8	149	60.9	64.3
Traverse	27	63.6	17	**	24	58.1	34	85.0	33	83.5	65.9
Wabasha	159	75.9	201	95.1	215	99.5	149	68.6	167	76.2	83.0
Wadena	83	63.1	87	65.7	82	59.8	88	64.5	72	53.0	61.2
Waseca	105	57.8	148	79.7	115	58.9	127	65.1	122	62.8	64.8
Washington	1,475	75.1	1,449	71.5	1,336	66.4	1,376	66.3	1,389	66.1	69.0
Watsonwan	87	75.9	66	57.2	52	43.8	94	79.8	88	75.4	66.3
Wilkin	29	39.7	69	94.7	66	92.5	80	113.7	71	101.9	88.1
Winona	325	67.6	402	84.1	384	76.8	330	66.5	403	81.6	75.3
Wright	503	59.1	560	63.7	522	58.0	542	57.2	580	59.1	59.4
Yellow Medicine	91	79.7	98	86.6	95	85.7	87	79.9	79	73.1	81.1

Source: Minnesota Department of Public Safety

33,032 65.8 68.6

*Includes unknown.

**A rate was not calculated if the number of events was less than 20.

Driving While Impaired (DWI) Violations: The number of drivers who were arrested and found guilty of violating one of the driving while impaired laws. Driving while impaired includes alcohol and other drugs.

Number: The number of driving while DWI violations that occurred **WITHIN** that county/state each year.

Rate: The number of DWI violations per 10,000 population in the county/state.

Chemical Health Table 5: Minnesota Driving While Impaired Violations - Number & Rate per 10,000 population by State and County of Residence, 1998-2002

	1998		1999		2000		2001		2002		1998-2002
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Rate
State of Minnesota*	32,172	68.1	34,096	71.4	34,971	71.1	33,305	67.0	31,388	62.5	68.0
Aitkin	125	88.3	122	85.4	136	88.9	133	86.3	135	87.1	87.2
Anoka	1,880	64.3	2,275	76.1	2,286	76.7	1,967	64.3	1,809	58.4	67.9
Becker	313	106.5	339	113.9	402	134.0	325	106.4	348	113.0	114.8
Beltrami	345	89.1	319	81.4	372	93.8	374	92.6	406	99.0	91.2
Benton	205	60.1	226	64.9	289	84.4	231	65.2	224	61.7	67.2
Big Stone	19	**	20	35.9	19	**	23	40.1	36	63.4	41.1
Blue Earth	385	71.6	402	74.6	426	76.2	464	83.0	481	84.8	78.1
Brown	119	44.0	161	59.8	169	62.8	140	52.4	163	61.1	56.0
Carlton	199	64.6	211	67.0	229	72.3	235	73.3	243	74.6	70.4
Carver	380	58.8	369	55.1	339	48.3	365	49.7	407	53.8	53.0
Cass	212	80.1	258	95.4	237	87.3	246	89.0	241	86.6	87.7
Chippewa	61	46.7	79	60.6	83	63.4	72	55.6	94	72.7	59.8
Chisago	276	67.6	291	68.8	303	73.7	310	71.3	295	66.2	69.5
Clay	336	65.1	316	61.1	336	65.6	311	60.3	321	61.8	62.8
Clearwater	114	137.6	111	136.3	82	97.4	81	96.3	78	92.9	111.8
Cook	48	100.2	39	81.7	35	67.7	48	92.8	27	52.0	78.5
Cottonwood	43	35.7	66	55.4	59	48.5	50	41.8	58	48.2	45.9
Crow Wing	418	80.9	380	72.2	418	75.9	399	70.8	319	56.1	70.9
Dakota	2,331	68.1	2,410	69.0	2,332	65.5	2,395	65.8	2,431	65.9	66.8
Dodge	106	61.6	127	73.0	140	79.0	173	94.9	158	85.2	79.0
Douglas	160	51.5	194	62.0	213	64.9	199	59.6	209	62.4	60.2
Faribault	112	68.9	107	65.9	119	73.5	97	60.7	109	68.4	67.5
Fillmore	110	52.9	115	55.6	135	63.9	126	59.2	111	51.8	56.7
Freeborn	234	74.1	244	77.5	242	74.3	233	72.1	220	68.6	73.3
Goodhue	226	52.4	304	70.1	306	69.3	313	70.1	294	65.7	65.6
Grant	36	58.3	37	60.9	37	58.8	30	48.1	29	46.4	54.4
Hennepin	6,944	65.5	7,159	67.3	6,994	62.7	6,717	60.2	6,853	61.1	63.3
Houston	90	46.7	118	60.5	129	65.4	144	72.2	131	66.0	62.3
Hubbard	111	65.5	118	69.3	147	80.0	104	56.4	122	66.2	67.5
Isanti	215	71.4	228	73.8	222	71.0	206	62.9	208	61.5	67.9
Itasca	305	69.5	353	79.9	351	79.8	284	64.5	264	59.8	70.7
Jackson	43	37.3	41	36.0	60	53.2	56	50.2	52	46.1	44.5
Kanabec	85	60.0	90	62.4	136	90.7	108	70.4	99	64.1	69.6
Kandiyohi	242	58.9	269	65.9	266	64.6	250	60.8	263	64.4	62.9
Kittson	25	47.0	30	58.0	21	39.7	12	**	18	*	40.8
Koochiching	108	69.5	121	81.2	110	76.6	82	57.9	105	75.1	72.1
Lac Qui Parle	25	31.2	28	35.8	40	49.6	34	42.9	34	42.9	40.5
Lake	50	47.3	57	52.9	62	56.1	48	43.3	60	54.1	50.8
Lake of the Woods	25	54.8	30	64.9	27	59.7	28	63.0	26	59.3	60.4
Le Sueur	156	61.6	198	77.8	206	81.0	189	73.5	186	71.5	73.1
Lincoln	29	44.9	20	31.1	20	31.1	15	**	14	*	30.7
Lyon	156	64.1	175	72.1	147	57.8	183	72.5	144	57.3	64.7
McLeod	204	60.0	239	69.2	256	73.4	240	67.9	214	60.4	66.2
Mahnomen	82	161.5	108	212.1	95	183.0	88	168.7	80	155.3	176.1
Marshall	55	53.3	57	56.5	53	52.2	55	54.9	61	61.6	55.6
Martin	126	57.3	140	64.2	151	69.3	110	51.1	140	65.9	61.6
Meeker	120	55.2	138	63.4	121	53.4	101	44.2	125	54.6	54.1
Mille Lacs	186	88.4	208	97.4	271	121.4	230	99.8	189	80.0	97.3
Morrison	211	69.1	193	63.2	205	64.6	204	63.3	173	53.5	62.7
Mower	270	72.9	334	89.9	333	86.3	343	88.8	318	82.0	84.0
Murray	45	47.3	42	44.1	31	33.8	39	43.3	37	41.1	42.0

	1998		1999		2000		2001		2002		1998-2002
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Rate
State of Minnesota*	32,172	68.1	34,096	71.4	34,971	71.1	33,305	67.0	31,388	62.5	68.0
Nicollet	167	56.4	153	52.3	187	62.8	224	74.4	239	79.0	65.1
Nobles	111	57.5	137	71.7	151	72.5	128	62.0	147	71.9	67.2
Norman	42	55.7	51	67.8	37	49.7	39	53.0	55	75.2	60.3
Olmsted	670	57.4	767	64.4	851	68.5	794	62.9	830	64.4	63.6
Otter Tail	256	46.6	357	64.2	362	63.3	319	55.2	338	58.2	57.6
Pennington	91	67.1	85	62.7	108	79.5	94	69.9	113	83.6	72.6
Pine	190	79.4	173	70.3	223	84.1	230	84.9	187	68.4	77.5
Pipestone	58	57.5	46	46.0	53	53.6	54	54.7	40	41.0	50.6
Polk	246	79.5	232	75.4	241	76.8	238	76.4	207	66.5	74.9
Pope	52	47.8	58	53.3	75	66.7	80	71.3	63	56.3	59.2
Ramsey	3,254	67.0	2,939	60.4	3,154	61.7	3,080	60.6	3,021	59.2	61.7
Red Lake	23	53.9	31	73.8	26	60.5	33	76.8	23	53.3	63.6
Redwood	88	53.4	85	51.8	72	42.8	87	52.4	90	55.3	51.1
Renville	110	65.0	130	77.3	117	68.2	106	62.5	113	66.3	67.8
Rice	403	74.5	423	76.9	486	85.8	441	76.5	381	65.0	75.7
Rock	26	26.7	23	23.9	34	35.0	24	24.7	30	30.6	28.2
Roseau	87	54.0	106	65.9	115	70.4	99	61.2	117	72.1	64.7
St. Louis	1,413	73.0	1,525	78.8	1,521	75.8	1,364	68.4	1,342	67.1	72.6
Scott	506	64.0	617	74.3	593	66.3	624	63.6	562	54.2	64.0
Sherburne	358	59.3	392	61.9	433	67.2	384	56.0	415	58.1	60.4
Sibley	114	78.2	130	88.0	103	67.1	126	81.9	105	68.3	76.6
Stearns	735	57.4	789	60.7	985	74.0	843	62.7	794	58.4	62.7
Steele	209	65.9	300	93.6	270	80.2	229	67.1	203	59.0	73.0
Stevens	26	25.7	28	28.1	33	32.8	31	31.5	32	32.4	30.1
Swift	77	71.3	59	52.0	64	53.5	52	44.7	49	42.2	52.5
Todd	154	64.1	144	59.4	170	69.6	163	66.3	151	61.7	64.2
Traverse	18	**	15	**	17	**	22	55.0	16	*	42.9
Wabasha	124	59.2	170	80.4	169	78.2	136	62.6	136	62.1	68.5
Wadena	88	66.9	76	57.4	78	56.9	86	63.0	79	58.2	60.5
Waseca	105	57.8	130	70.0	112	57.4	139	71.3	124	63.8	64.1
Washington	1,030	52.4	1,049	51.8	1,121	55.7	1,138	54.8	1,133	53.9	53.7
Watsonwan	94	82.0	76	65.8	61	51.4	96	81.5	81	69.4	69.9
Wilkin	23	31.5	43	59.0	33	46.2	45	64.0	34	48.8	49.8
Winona	261	54.3	314	65.7	297	59.4	255	51.4	283	57.3	57.6
Wright	574	67.4	609	69.3	604	67.1	591	62.3	620	63.2	65.8
Yellow Medicine	56	49.1	77	68.1	77	69.5	67	61.6	73	67.6	63.1

Source: Minnesota Department of Public Safety

*Includes unknown.

**A rate was not calculated if the number of events was less than 20.

Driving While Impaired (DWI) Violations: The number of drivers who were arrested and found guilty of violating one of the driving while impaired laws. Driving while impaired includes alcohol and other drugs.

Number: The number of driving while impaired violations by county of residence.

Rate: The number of DWI violations per 10,000 population in the county/state.

Chemical Table 6: Minnesota "Not a Drop" Violations - Number & Rate per 10,000 population by State and County of Occurrence, 1998-2002

	1998		1999		2000		2001		2002		1998-2002
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Rate
State of Minnesota	3,045	6.4	3,116	6.5	3,451	7.0	3,097	6.2	3,070	6.1	6.5
Aitkin	13	*	11	*	10	*	13	*	22	14.2	9.2
Anoka	135	4.6	215	7.2	218	7.3	213	7.0	180	5.8	6.4
Becker	65	22.1	33	11.1	53	17.7	65	21.3	66	21.4	18.7
Beltrami	35	9.0	14	*	26	6.6	32	7.9	27	6.6	6.7
Benton	7	*	17	*	24	7.0	20	5.6	20	5.5	5.0
Big Stone	12	*	11	*	8	*	15	*	10	*	19.7
Blue Earth	93	17.3	58	10.8	115	20.6	97	17.4	100	17.6	16.8
Brown	35	12.9	27	10.0	36	13.4	48	18.0	37	13.9	13.6
Carlton	32	10.4	23	7.3	19	*	14	*	7	*	6.0
Carver	36	5.6	30	4.5	43	6.1	34	4.6	40	5.3	5.2
Cass	11	*	8	*	6	*	11	*	9	*	3.3
Chippewa	5	*	8	*	14	*	17	*	21	16.2	10.0
Chisago	28	6.9	35	8.3	18	*	25	5.8	41	9.2	6.9
Clay	84	16.3	99	19.1	80	15.6	100	19.4	77	14.8	17.0
Clearwater	14	*	11	*	12	*	8	*	14	*	14.2
Cook	4	*	6	*	5	*	5	*	5	*	10.0
Cottonwood	3	*	8	*	11	*	8	*	5	*	5.8
Crow Wing	71	13.7	25	4.8	23	4.2	32	5.7	33	5.8	6.7
Dakota	140	4.1	157	4.5	189	5.3	168	4.6	177	4.8	4.7
Dodge	19	*	21	12.1	23	13.0	12	*	17	*	10.3
Douglas	41	13.2	48	15.3	26	7.9	36	10.8	47	14.0	12.2
Faribault	24	14.8	17	*	20	12.4	11	*	15	*	10.8
Fillmore	37	17.8	41	19.8	33	15.6	32	15.0	20	9.3	15.5
Freeborn	32	10.1	32	10.2	25	7.7	26	8.0	36	11.2	9.4
Goodhue	23	5.3	46	10.6	44	10.0	46	10.3	44	9.8	9.2
Grant	5	*	3	*	5	*	5	*	4	*	7.1
Hennepin	222	2.1	260	2.4	316	2.8	296	2.7	372	3.3	2.7
Houston	21	10.9	19	*	28	14.2	30	15.0	19	*	11.9
Hubbard	3	*	2	*	15	*	3	*	12	*	3.9
Isanti	18	*	17	*	18	*	17	*	10	*	5.0
Itasca	30	6.8	42	9.5	34	7.7	30	6.8	37	8.4	7.9
Jackson	8	*	14	*	12	*	14	*	6	*	9.5
Kanabec	13	*	18	*	18	*	11	*	11	*	9.5
Kandiyohi	36	8.8	55	13.5	56	13.6	38	9.2	38	9.3	10.9
Kittson	6	*	5	*	4	*	4	*	0	*	*
Koochiching	18	*	11	*	18	*	9	*	12	*	9.3
Lac Qui Parle	8	*	6	*	4	*	2	*	6	*	6.5
Lake	2	*	2	*	4	*	7	*	1	*	*
Lake of the Woods	3	*	2	*	3	*	1	*	1	*	*
Le Sueur	17	*	15	*	15	*	19	*	19	*	6.6
Lincoln	7	*	10	*	0	0.0	3	*	2	*	6.9
Lyon	29	11.9	44	18.1	57	22.4	37	14.7	35	13.9	16.2
McLeod	37	10.9	36	10.4	55	15.8	39	11.0	21	5.9	10.8
Mahnomen	5	*	5	*	3	*	4	*	0	*	*
Marshall	0	*	5	*	4	*	4	*	3	*	*
Martin	20	9.1	13	*	24	11.0	26	12.1	23	10.8	9.8
Meeker	19	*	25	11.5	22	9.7	13	*	23	10.1	9.1
Mille Lacs	20	9.5	19	*	38	17.0	18	*	16	*	10.0
Morrison	31	10.1	29	9.5	24	7.6	29	9.0	26	8.0	8.8
Mower	33	8.9	29	7.8	33	8.5	21	5.4	21	5.4	7.2
Murray	13	*	10	*	1	*	10	*	4	*	8.2

	1998		1999		2000		2001		2002		1998-2002
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Rate
State of Minnesota	3,045	6.4	3,116	6.5	3,451	7.0	3,097	6.2	3,070	6.1	6.5
Nicollet	34	11.5	33	11.3	32	10.7	28	9.3	43	14.2	11.4
Nobles	30	15.5	30	15.7	39	18.7	24	11.6	16	*	13.9
Norman	12	*	25	33.3	16	*	32	43.5	10	*	25.6
Olmsted	97	8.3	84	7.1	112	9.0	98	7.8	80	6.2	7.7
Otter Tail	70	12.7	87	15.7	85	14.9	53	9.2	57	9.8	12.4
Pennington	17	*	11	*	12	*	9	*	5	*	8.0
Pine	27	11.3	23	9.3	25	9.4	19	*	23	8.4	9.0
Pipestone	8	*	13	*	10	*	10	*	3	*	8.9
Polk	70	22.6	53	17.2	71	22.6	39	12.5	56	18.0	18.6
Pope	6	*	9	*	6	*	10	*	13	*	7.9
Ramsey	127	2.6	108	2.2	139	2.7	144	2.8	131	2.6	2.6
Red Lake	13	*	19	*	22	51.2	12	*	4	*	32.7
Redwood	7	*	11	*	16	*	15	*	17	*	8.0
Renville	14	*	11	*	10	*	7	*	11	*	6.2
Rice	39	7.2	52	9.5	61	10.8	48	8.3	36	6.1	8.4
Rock	9	*	10	*	7	*	5	*	8	*	8.0
Roseau	15	*	6	*	11	*	17	*	13	*	7.7
St. Louis	107	5.5	127	6.6	137	6.8	127	6.4	131	6.6	6.4
Scott	37	4.7	71	8.6	79	8.8	71	7.2	67	6.5	7.2
Sherburne	55	9.1	55	8.7	63	9.8	40	5.8	51	7.1	8.0
Sibley	32	22.0	21	14.2	22	14.3	16	*	20	13.0	14.7
Stearns	157	12.3	163	12.5	162	12.2	131	9.7	133	9.8	11.3
Steele	32	10.1	27	8.4	32	9.5	23	6.7	20	5.8	8.1
Stevens	13	*	14	*	10	*	7	*	5	*	9.8
Swift	6	*	12	*	6	*	8	*	10	*	7.3
Todd	48	20.0	26	10.7	23	9.4	37	15.1	37	15.1	14.0
Traverse	9	*	5	*	9	*	6	*	1	*	14.6
Wabasha	39	18.6	30	14.2	40	18.5	18	*	31	14.2	14.7
Wadena	17	*	20	15.1	21	15.3	14	*	10	*	12.2
Waseca	18	*	25	13.5	25	12.8	21	10.8	18	*	11.2
Washington	108	5.5	100	4.9	85	4.2	85	4.1	69	3.3	4.4
Watonwan	17	*	11	*	24	20.2	22	18.7	15	*	15.3
Wilkin	17	*	15	*	25	35.0	13	*	10	*	22.4
Winona	39	8.1	51	10.7	57	11.4	49	9.9	48	9.7	10.0
Wright	57	6.7	46	5.2	55	6.1	43	4.5	57	5.8	5.7
Yellow Medicine	19	*	15	*	10	*	18	*	19	*	14.6

Source: Minnesota Department of Public Safety

*A rate was not calculated if the number of events was less than 20.

“Not a Drop” Violation: A person under the age of 21 found to be driving with any level of alcohol concentration (e.g., .01 percent or higher) shall have his or her license revoked by the Commissioner of Public Safety.

County Number: The number of Not a Drop violations that in occurred in the county/state for each year.

Rate: The number of Not a Drop violations per 10,000 population in the county/state.

1997-2001 average: The middle or typical value over 5 years.

Notes about the Chemical Health Indicators

IMPAIRED DRIVING INCIDENTS

Minnesota Motor Vehicle Crash Facts

This category includes data about motor vehicle crashes and violations related to alcohol. The violations' indicators includes violations for both failing and also refusing to take (implied consent law) a test for blood alcohol content. A "not-a-drop" violation refers to a violation of Minnesota Statute 169.1218, which provides that a person under the age of 21 found to be driving with any level of alcohol concentration (e.g., .01 or .02 percent and higher) shall have his or her license revoked by the Commissioner of Public Safety.

These indicators include both local law enforcement and State Patrol reports.

Source:

Minnesota Department of Public Safety, 651/296-9489.

Limitations:

Under-reporting

Law enforcement officers at a crash or arrest site may not realize and thus not report that alcohol or other drugs were involved.

Lack of Standard Reporting

The number of reports of alcohol-related crashes or driving while impaired violations are affected by the inconsistency of enforcement of the laws by local law enforcement officials. One community may be very strict in enforcement, or receive specific funds for specific enforcement, while another community may be more lenient.