

1998 Minnesota County Health Tables

Data from 1997

1997 Minnesota County Health Data

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Introduction

The Minnesota County Health Tables (MCHT) replaced the County Health Profiles (CHP) in 2001. The County Health Profiles for 1996, 1998 and 2000 are still available on the Minnesota Planning website, <http://www.lmic.state.mn.us/datanetweb/health.html>

Users of the Minnesota County Health Tables must be aware that all data are subject to potential error. Sources of these errors include under-registration, informant or respondent errors, sampling errors, and data processing errors. Every effort has been made to minimize these errors. However, the most dangerous error remains that of the inaccurate interpretation of data that has been provided.

The user should review the definitions of terms used in the Minnesota County Health Tables. The data included in this publication are from the most recently available year(s). In an area of small population the presence or absence of a relatively rare health event should not be used to confirm or deny a specific public health problem.

Section Descriptions and Notes

Section A: Demographics Tables

This section includes selected demographic statistics from various sources, including the U.S. Census Bureau, Minnesota State Demographer's Office, and the Minnesota Departments of Human Services, Economic Security and Education.

Section B: Natality Tables

This section includes various birth statistics collected from Minnesota birth certificates which are filed with the Office of the State Registrar, Minnesota Department of Health.

All birth data in this section are by county of residence.

Section C: Mortality Tables

This section includes various death statistics collected from Minnesota death certificates which are filed with the Office of the State Registrar, Minnesota Department of Health. Mortality data in this publication are classified using the International Classification of Diseases, version 10 (ICD-10). Version 10 has been used since 1999. From 1979-1998, ICD-9 was used for coding deaths. The ICD-10 differs from ICD-9 in a number of respects although the overall content is similar. The change from ICD-9 to ICD-10 should be taken in consideration when comparing 1999 and newer mortality data to previous years. For more information on ICD-10, please refer to the Centers for Disease Control and Prevention website, <http://www.cdc.gov/nchs/about/major/dvs/icd10des.htm>

All death data in this section are by county of residence.

Section D: Morbidity and Service Utilization Tables

Included in this section are surveillance data on cancer, sexually transmitted diseases, traumatic brain injuries, survey data on behavioral risk factors and utilization data. The Minnesota Student Survey results are not included in this section but can be found on the Center for Health Statistics Website: <http://www.health.state.mn.us/divs/chs/mss/>

Section E: Chemical Health

The Chemical Health section focuses on alcohol use. Data in this section include percent of fatalities in which alcohol use was involved and driving while intoxicated. Unless specified these data are by county of occurrence. Adult chemical health use data from the Behavioral Risk Factor Surveillance System are in Section D. Youth chemical use data from the Minnesota Student Survey are located on the Center for Health Statistics website: <http://www.health.state.mn.us/divs/chs/mss/>

Section F: Environmental Health Tables

The Environmental Health Section includes county-specific summary data from the following Environmental Health programs: blood lead; foodborne/waterborne disease outbreaks; hazardous substance emergency events surveillance; and radioactivity and radiation. This section contains a description of the health hazard; the most current data available, generally summarized by county and state; and any limitations or biases to be considered before using the data.

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Demographics Table 1: Minnesota Population Estimates by Age and Sex, 1997

State of Minnesota, 1997

Age Group	Number	
	Male	Female
00-04	161,297	154,447
05-09	176,808	168,186
10-14	187,987	178,874
15-17	115,244	107,842
18-19	68,408	66,491
20-24	147,496	144,231
25-29	154,044	153,431
30-34	182,917	180,973
35-39	212,669	206,116
40-44	195,141	191,460
45-49	164,059	164,321
50-54	128,099	130,299
55-59	98,883	101,528
60-64	80,952	85,602
65-69	72,341	82,307
70-74	62,698	76,656
75-79	49,019	68,301
80-84	32,356	54,924
85&up	22,176	56,966
Total	2,312,594	2,372,955
Total Male/Female	4,685,549	

Aitkin County, 1997

Age Group	Aitkin	
	Male	Female
00-04	334	310
05-09	486	448
10-14	509	496
15-17	333	295
18-19	150	124
20-24	162	171
25-29	240	248
30-34	375	374
35-39	473	470
40-44	522	474
45-49	486	498
50-54	449	515
55-59	407	414
60-64	438	423
65-69	461	454
70-74	443	456
75-79	315	313
80-84	206	235
85&up	88	273
Total	6,877	6,991
Total Male/Female	13,868	

Anoka County, 1997

Age Group	Anoka	
	Male	Female
00-04	10,987	10,676
05-09	12,121	11,461
10-14	13,034	12,441
15-17	8,141	7,529
18-19	4,308	3,949
20-24	8,695	8,398
25-29	10,444	10,433
30-34	12,712	12,169
35-39	13,981	13,548
40-44	13,560	13,608
45-49	11,729	11,292
50-54	8,443	8,452
55-59	5,860	5,485
60-64	3,730	3,615
65-69	2,607	2,930
70-74	1,872	2,274
75-79	1,218	1,712
80-84	668	1,215
85&up	298	1,078
Total	144,408	142,265
Total Male/Female	286,673	

Becker County, 1997

Age Group	Becker	
	Male	Female
00-04	915	907
05-09	1,183	1,131
10-14	1,336	1,248
15-17	867	773
18-19	372	306
20-24	606	553
25-29	715	686
30-34	910	928
35-39	1,217	1,101
40-44	1,134	1,108
45-49	1,023	910
50-54	844	908
55-59	713	739
60-64	641	645
65-69	594	634
70-74	521	624
75-79	444	533
80-84	314	471
85&up	226	460
Total	14,575	14,665
Total Male/Female	29,240	

Source: U.S. Census Bureau: 1997 Census Estimates, www.census.gov

Demographics Table 1: Minnesota Population Estimates by Age and Sex, 1997

Beltrami County, 1997

Age Group	Beltrami	
	Male	Female
00-04	1,442	1,314
05-09	1,733	1,562
10-14	1,804	1,695
15-17	1,039	1,058
18-19	762	832
20-24	1,689	1,498
25-29	1,056	1,082
30-34	1,235	1,327
35-39	1,564	1,540
40-44	1,480	1,416
45-49	1,156	1,138
50-54	934	941
55-59	808	772
60-64	628	676
65-69	579	614
70-74	462	603
75-79	405	526
80-84	297	466
85&up	196	380
Total	19,269	19,440
Total Male/Female	38,709	

Benton County, 1997

Age Group	Benton	
	Male	Female
00-04	1,329	1,233
05-09	1,458	1,410
10-14	1,461	1,443
15-17	851	805
18-19	445	478
20-24	1,321	1,346
25-29	1,245	1,278
30-34	1,321	1,235
35-39	1,419	1,324
40-44	1,234	1,183
45-49	984	1,032
50-54	801	726
55-59	623	650
60-64	496	473
65-69	451	524
70-74	414	506
75-79	331	421
80-84	266	428
85&up	220	506
Total	16,670	17,001
Total Male/Female	33,671	

Big Stone County, 1997

Age Group	Big Stone	
	Male	Female
00-04	171	173
05-09	196	208
10-14	231	192
15-17	125	151
18-19	49	54
20-24	87	74
25-29	105	105
30-34	150	150
35-39	205	182
40-44	195	188
45-49	147	182
50-54	187	187
55-59	152	172
60-64	148	140
65-69	159	162
70-74	131	143
75-79	107	172
80-84	87	148
85&up	82	192
Total	2,714	2,975
Total Male/Female	5,689	

Blue Earth County, 1997

Age Group	Blue Earth	
	Male	Female
00-04	1,560	1,447
05-09	1,811	1,644
10-14	2,003	1,821
15-17	1,112	1,043
18-19	1,650	1,852
20-24	4,191	3,565
25-29	1,758	1,443
30-34	1,683	1,696
35-39	2,050	1,969
40-44	1,845	1,752
45-49	1,472	1,516
50-54	1,245	1,297
55-59	996	1,018
60-64	873	896
65-69	773	917
70-74	718	933
75-79	545	827
80-84	364	711
85&up	260	781
Total	26,909	27,128
Total Male/Female	54,037	

Source: U.S. Census Bureau: 1997 Census Estimates, www.census.gov

Demographics Table 1: Minnesota Population Estimates by Age and Sex, 1997

Brown County, 1997

Age Group	Brown	
	Male	Female
00-04	843	841
05-09	1,036	1,022
10-14	1,139	1,020
15-17	688	632
18-19	385	450
20-24	702	785
25-29	709	681
30-34	880	917
35-39	1,087	988
40-44	941	936
45-49	865	869
50-54	738	734
55-59	631	706
60-64	563	587
65-69	525	586
70-74	520	644
75-79	406	632
80-84	310	501
85&up	229	494
Total	13,197	14,025
Total Male/Female	27,222	

Carlton County, 1997

Age Group	Carlton	
	Male	Female
00-04	933	869
05-09	1,136	1,120
10-14	1,380	1,334
15-17	897	806
18-19	413	302
20-24	709	620
25-29	817	747
30-34	1,050	1,048
35-39	1,299	1,299
40-44	1,258	1,126
45-49	1,100	1,062
50-54	878	894
55-59	770	794
60-64	652	656
65-69	594	720
70-74	540	629
75-79	438	546
80-84	277	415
85&up	193	368
Total	15,334	15,355
Total Male/Female	30,689	

Carver County, 1997

Age Group	Carver	
	Male	Female
00-04	2,775	2,453
05-09	2,630	2,542
10-14	2,756	2,599
15-17	1,690	1,452
18-19	788	733
20-24	1,681	1,674
25-29	2,327	2,296
30-34	2,926	2,742
35-39	3,148	3,025
40-44	2,756	2,643
45-49	2,272	2,263
50-54	1,720	1,608
55-59	1,299	1,205
60-64	921	898
65-69	754	753
70-74	527	711
75-79	438	635
80-84	281	530
85&up	217	530
Total	31,906	31,292
Total Male/Female	63,198	

Cass County, 1997

Age Group	Cass	
	Male	Female
00-04	795	723
05-09	996	947
10-14	1,146	1,060
15-17	641	608
18-19	267	237
20-24	426	406
25-29	543	580
30-34	739	716
35-39	960	925
40-44	975	894
45-49	866	898
50-54	810	820
55-59	745	724
60-64	731	733
65-69	692	664
70-74	631	625
75-79	502	506
80-84	300	392
85&up	209	314
Total	12,974	12,772
Total Male/Female	25,746	

Source: U.S. Census Bureau: 1997 Census Estimates, www.census.gov

Demographics Table 1: Minnesota Population Estimates by Age and Sex, 1997

Chippewa County, 1997

Age Group	Chippewa	
	Male	Female
00-04	364	378
05-09	493	480
10-14	554	533
15-17	321	322
18-19	138	120
20-24	222	216
25-29	288	306
30-34	394	372
35-39	520	498
40-44	488	464
45-49	444	413
50-54	353	364
55-59	281	331
60-64	283	322
65-69	323	347
70-74	254	331
75-79	264	300
80-84	173	289
85&up	148	328
Total	6,305	6,714
Total Male/Female	13,019	

Chisago County, 1997

Age Group	Chisago	
	Male	Female
00-04	1,387	1,365
05-09	1,702	1,578
10-14	1,990	1,790
15-17	1,157	1,017
18-19	533	470
20-24	862	815
25-29	1,109	1,098
30-34	1,413	1,452
35-39	1,848	1,706
40-44	1,709	1,606
45-49	1,536	1,415
50-54	1,148	1,045
55-59	829	785
60-64	656	645
65-69	598	654
70-74	584	569
75-79	439	578
80-84	302	422
85&up	199	428
Total	20,001	19,438
Total Male/Female	39,439	

Clay County, 1997

Age Group	Clay	
	Male	Female
00-04	1,673	1,570
05-09	1,870	1,758
10-14	2,012	1,867
15-17	1,243	1,119
18-19	1,371	1,863
20-24	2,684	2,982
25-29	1,305	1,366
30-34	1,627	1,720
35-39	2,112	2,081
40-44	1,778	1,736
45-49	1,537	1,521
50-54	1,279	1,372
55-59	1,047	1,109
60-64	935	970
65-69	800	799
70-74	685	841
75-79	547	726
80-84	360	608
85&up	265	678
Total	25,130	26,686
Total Male/Female	51,816	

Clearwater County, 1997

Age Group	Clearwater	
	Male	Female
00-04	236	250
05-09	327	287
10-14	380	378
15-17	263	217
18-19	122	80
20-24	155	124
25-29	165	165
30-34	222	248
35-39	288	289
40-44	328	270
45-49	277	276
50-54	246	278
55-59	191	191
60-64	187	157
65-69	164	174
70-74	173	181
75-79	171	169
80-84	137	147
85&up	122	166
Total	4,154	4,047
Total Male/Female	8,201	

Source: U.S. Census Bureau: 1997 Census Estimates, www.census.gov

Demographics Table 1: Minnesota Population Estimates by Age and Sex, 1997

Cook County, 1997

Age Group	Cook	
	Male	Female
00-04	134	135
05-09	149	154
10-14	184	142
15-17	101	118
18-19	46	35
20-24	60	82
25-29	114	92
30-34	163	172
35-39	234	249
40-44	251	205
45-49	195	181
50-54	156	142
55-59	126	122
60-64	127	105
65-69	103	105
70-74	98	113
75-79	57	102
80-84	45	65
85&up	26	52
Total	2,369	2,371
Total Male/Female	4,740	

Cottonwood County, 1997

Age Group	Cottonwood	
	Male	Female
00-04	338	336
05-09	405	359
10-14	551	485
15-17	326	333
18-19	135	117
20-24	212	198
25-29	255	241
30-34	347	335
35-39	439	425
40-44	442	414
45-49	416	411
50-54	359	361
55-59	305	327
60-64	295	296
65-69	271	341
70-74	278	340
75-79	243	320
80-84	201	312
85&up	158	330
Total	5,976	6,281
Total Male/Female	12,257	

Crow Wing County, 1997

Age Group	Crow Wing	
	Male	Female
00-04	1,576	1,545
05-09	1,866	1,831
10-14	2,073	2,118
15-17	1,298	1,236
18-19	678	647
20-24	1,164	1,078
25-29	1,156	1,285
30-34	1,594	1,591
35-39	2,047	2,014
40-44	1,941	1,932
45-49	1,712	1,773
50-54	1,455	1,545
55-59	1,274	1,363
60-64	1,202	1,260
65-69	1,171	1,290
70-74	1,006	1,189
75-79	862	1,036
80-84	516	733
85&up	332	716
Total	24,923	26,182
Total Male/Female	51,105	

Dakota County, 1997

Age Group	Dakota	
	Male	Female
00-04	13,870	13,184
05-09	13,907	13,391
10-14	14,239	13,676
15-17	8,412	8,133
18-19	4,218	3,910
20-24	9,588	10,209
25-29	12,916	13,407
30-34	15,450	15,470
35-39	16,641	16,851
40-44	15,820	15,898
45-49	13,004	12,973
50-54	8,995	8,736
55-59	6,241	5,848
60-64	4,165	4,248
65-69	3,087	3,557
70-74	2,454	2,984
75-79	1,721	2,471
80-84	1,000	1,727
85&up	572	1,612
Total	166,300	168,285
Total Male/Female	334,585	

Source: U.S. Census Bureau: 1997 Census Estimates, www.census.gov

Demographics Table 1: Minnesota Population Estimates by Age and Sex, 1997

Dodge County, 1997

Age Group	Dodge	
	Male	Female
00-04	630	626
05-09	766	739
10-14	828	745
15-17	443	478
18-19	218	211
20-24	382	399
25-29	493	486
30-34	628	634
35-39	770	698
40-44	624	593
45-49	597	558
50-54	446	480
55-59	321	342
60-64	288	277
65-69	265	315
70-74	291	277
75-79	198	238
80-84	154	204
85&up	111	249
Total	8,453	8,549
Total Male/Female	17,002	

Douglas County, 1997

Age Group	Douglas	
	Male	Female
00-04	932	916
05-09	1,130	1,128
10-14	1,309	1,294
15-17	789	710
18-19	511	420
20-24	780	632
25-29	696	711
30-34	978	999
35-39	1,221	1,154
40-44	1,115	1,081
45-49	1,088	1,001
50-54	853	853
55-59	679	766
60-64	642	716
65-69	670	696
70-74	632	720
75-79	535	642
80-84	347	518
85&up	282	581
Total	15,189	15,538
Total Male/Female	30,727	

Faribault County, 1997

Age Group	Faribault	
	Male	Female
00-04	439	431
05-09	620	563
10-14	697	691
15-17	448	372
18-19	164	143
20-24	288	248
25-29	316	315
30-34	499	508
35-39	621	549
40-44	565	577
45-49	544	552
50-54	472	497
55-59	431	478
60-64	395	429
65-69	365	436
70-74	356	472
75-79	304	478
80-84	227	376
85&up	174	392
Total	7,925	8,507
Total Male/Female	16,432	

Fillmore County, 1997

Age Group	Fillmore	
	Male	Female
00-04	614	634
05-09	808	738
10-14	908	810
15-17	594	519
18-19	276	217
20-24	443	361
25-29	432	445
30-34	625	634
35-39	795	738
40-44	718	695
45-49	664	668
50-54	562	548
55-59	498	542
60-64	461	483
65-69	474	510
70-74	456	537
75-79	398	436
80-84	282	410
85&up	253	503
Total	10,261	10,428
Total Male/Female	20,689	

Source: U.S. Census Bureau: 1997 Census Estimates, www.census.gov

Demographics Table 1: Minnesota Population Estimates by Age and Sex, 1997

Freeborn County, 1997

Age Group	Freeborn	
	Male	Female
00-04	961	887
05-09	1,091	1,047
10-14	1,216	1,234
15-17	817	716
18-19	399	321
20-24	682	655
25-29	777	756
30-34	1,001	947
35-39	1,264	1,138
40-44	1,214	1,196
45-49	1,119	1,085
50-54	1,012	1,044
55-59	781	886
60-64	703	729
65-69	748	824
70-74	645	724
75-79	505	709
80-84	343	568
85&up	215	603
Total	15,493	16,069
Total Male/Female	31,562	

Goodhue County, 1997

Age Group	Goodhue	
	Male	Female
00-04	1,382	1,318
05-09	1,727	1,608
10-14	1,796	1,729
15-17	1,142	1,003
18-19	493	460
20-24	939	896
25-29	1,232	1,171
30-34	1,507	1,451
35-39	1,851	1,750
40-44	1,748	1,680
45-49	1,465	1,412
50-54	1,241	1,207
55-59	949	936
60-64	819	878
65-69	744	839
70-74	704	836
75-79	562	852
80-84	461	726
85&up	334	858
Total	21,096	21,610
Total Male/Female	42,706	

Grant County, 1997

Age Group	Grant	
	Male	Female
00-04	164	167
05-09	218	224
10-14	248	227
15-17	160	132
18-19	54	45
20-24	86	77
25-29	132	116
30-34	171	170
35-39	217	188
40-44	207	219
45-49	184	201
50-54	203	178
55-59	155	183
60-64	160	163
65-69	155	166
70-74	167	174
75-79	132	208
80-84	89	149
85&up	88	164
Total	2,990	3,151
Total Male/Female	6,141	

Hennepin County, 1997

Age Group	Hennepin	
	Male	Female
00-04	35,122	33,913
05-09	34,663	33,311
10-14	33,897	32,902
15-17	21,017	19,951
18-19	13,856	13,589
20-24	36,876	37,847
25-29	42,929	42,922
30-34	46,966	46,284
35-39	51,553	51,124
40-44	46,208	46,656
45-49	36,869	37,975
50-54	27,697	29,427
55-59	21,039	22,503
60-64	17,308	19,275
65-69	15,439	18,254
70-74	12,145	16,333
75-79	8,781	14,023
80-84	5,666	11,898
85&up	3,959	13,001
Total	511,990	541,188
Total Male/Female	1,053,178	

Source: U.S. Census Bureau: 1997 Census Estimates, www.census.gov

Demographics Table 1: Minnesota Population Estimates by Age and Sex, 1997

Houston County, 1997

Age Group	Houston	
	Male	Female
00-04	664	638
05-09	762	692
10-14	904	753
15-17	486	503
18-19	223	209
20-24	407	376
25-29	489	486
30-34	700	680
35-39	873	782
40-44	750	746
45-49	615	581
50-54	522	532
55-59	468	459
60-64	405	424
65-69	381	406
70-74	320	395
75-79	283	351
80-84	212	254
85&up	135	362
Total	9,599	9,629
Total Male/Female	19,228	

Hubbard County, 1997

Age Group	Hubbard	
	Male	Female
00-04	484	475
05-09	601	588
10-14	711	732
15-17	447	434
18-19	171	170
20-24	267	253
25-29	336	328
30-34	524	531
35-39	630	644
40-44	687	595
45-49	568	662
50-54	570	565
55-59	476	475
60-64	414	437
65-69	435	427
70-74	361	341
75-79	287	342
80-84	202	233
85&up	126	229
Total	8,297	8,461
Total Male/Female	16,758	

Isanti County, 1997

Age Group	Isanti	
	Male	Female
00-04	1,016	994
05-09	1,288	1,198
10-14	1,505	1,370
15-17	876	887
18-19	408	393
20-24	653	572
25-29	786	833
30-34	1,087	1,053
35-39	1,380	1,317
40-44	1,259	1,229
45-49	1,132	1,162
50-54	933	850
55-59	604	577
60-64	471	411
65-69	396	424
70-74	317	404
75-79	300	399
80-84	219	354
85&up	180	320
Total	14,810	14,747
Total Male/Female	29,557	

Itasca County, 1997

Age Group	Itasca	
	Male	Female
00-04	1,268	1,125
05-09	1,600	1,598
10-14	2,088	1,853
15-17	1,330	1,260
18-19	547	519
20-24	818	785
25-29	840	944
30-34	1,329	1,375
35-39	1,968	1,898
40-44	1,822	1,738
45-49	1,598	1,613
50-54	1,300	1,281
55-59	1,082	1,167
60-64	991	944
65-69	918	1,019
70-74	856	932
75-79	718	831
80-84	389	544
85&up	220	447
Total	21,682	21,873
Total Male/Female	43,555	

Source: U.S. Census Bureau: 1997 Census Estimates, www.census.gov

Demographics Table 1: Minnesota Population Estimates by Age and Sex, 1997

Jackson County, 1997

Age Group	Jackson	
	Male	Female
00-04	373	321
05-09	433	427
10-14	512	451
15-17	295	294
18-19	152	107
20-24	237	203
25-29	273	250
30-34	396	370
35-39	474	408
40-44	403	413
45-49	345	341
50-54	328	348
55-59	299	317
60-64	268	306
65-69	274	283
70-74	264	297
75-79	205	248
80-84	155	237
85&up	121	272
Total	5,807	5,893
Total Male/Female	11,700	

Kanabec County, 1997

Age Group	Kanabec	
	Male	Female
00-04	444	476
05-09	600	562
10-14	669	608
15-17	391	429
18-19	186	150
20-24	295	261
25-29	352	370
30-34	471	465
35-39	571	557
40-44	553	483
45-49	463	510
50-54	426	425
55-59	335	318
60-64	292	287
65-69	260	267
70-74	282	288
75-79	212	239
80-84	128	163
85&up	90	164
Total	7,020	7,022
Total Male/Female	14,042	

Kandiyohi County, 1997

Age Group	Kandiyohi	
	Male	Female
00-04	1,450	1,349
05-09	1,675	1,578
10-14	1,756	1,719
15-17	1,103	1,020
18-19	782	652
20-24	1,104	1,021
25-29	1,031	1,077
30-34	1,414	1,491
35-39	1,783	1,658
40-44	1,542	1,462
45-49	1,361	1,339
50-54	1,068	1,139
55-59	812	902
60-64	810	786
65-69	685	838
70-74	723	819
75-79	548	699
80-84	396	573
85&up	299	626
Total	20,342	20,748
Total Male/Female	41,090	

Kittson County, 1997

Age Group	Kittson	
	Male	Female
00-04	158	159
05-09	178	195
10-14	218	197
15-17	124	123
18-19	58	49
20-24	90	72
25-29	109	110
30-34	154	164
35-39	240	197
40-44	205	180
45-49	190	168
50-54	161	153
55-59	116	134
60-64	117	151
65-69	127	138
70-74	143	145
75-79	124	125
80-84	78	110
85&up	69	129
Total	2,659	2,699
Total Male/Female	5,358	

Source: U.S. Census Bureau: 1997 Census Estimates, www.census.gov

Demographics Table 1: Minnesota Population Estimates by Age and Sex, 1997

Koochiching County, 1997

Age Group	Koochiching	
	Male	Female
00-04	415	411
05-09	518	478
10-14	626	608
15-17	470	381
18-19	249	202
20-24	405	323
25-29	443	359
30-34	593	513
35-39	762	597
40-44	688	561
45-49	629	533
50-54	505	524
55-59	418	415
60-64	343	375
65-69	313	335
70-74	281	312
75-79	234	275
80-84	132	196
85&up	97	163
Total	8,121	7,561
Total Male/Female	15,682	

Lac Qui Parle County, 1997

Age Group	Lac Qui Parle	
	Male	Female
00-04	226	226
05-09	282	268
10-14	354	320
15-17	209	201
18-19	67	62
20-24	103	89
25-29	158	153
30-34	261	233
35-39	327	273
40-44	273	259
45-49	259	275
50-54	232	223
55-59	220	199
60-64	212	233
65-69	212	235
70-74	208	225
75-79	171	207
80-84	138	181
85&up	117	210
Total	4,029	4,072
Total Male/Female	8,101	

Lake County, 1997

Age Group	Lake	
	Male	Female
00-04	275	263
05-09	328	325
10-14	404	404
15-17	302	244
18-19	113	104
20-24	158	166
25-29	234	224
30-34	335	332
35-39	464	429
40-44	418	389
45-49	393	375
50-54	383	375
55-59	367	389
60-64	347	324
65-69	279	257
70-74	236	238
75-79	166	215
80-84	106	168
85&up	59	128
Total	5,367	5,349
Total Male/Female	10,716	

Lake of the Woods County, 1997

Age Group	Lake of the Woods	
	Male	Female
00-04	149	172
05-09	172	169
10-14	167	167
15-17	116	106
18-19	44	40
20-24	82	89
25-29	136	104
30-34	158	150
35-39	207	192
40-44	170	135
45-49	157	176
50-54	154	135
55-59	112	123
60-64	83	95
65-69	113	104
70-74	109	97
75-79	82	77
80-84	51	57
85&up	29	60
Total	2,291	2,248
Total Male/Female	4,539	

Source: U.S. Census Bureau: 1997 Census Estimates, www.census.gov

Demographics Table 1: Minnesota Population Estimates by Age and Sex, 1997

Le Sueur County, 1997

Age Group	Le Sueur	
	Male	Female
00-04	813	817
05-09	1,022	969
10-14	1,116	1,133
15-17	701	643
18-19	326	266
20-24	601	507
25-29	688	649
30-34	845	778
35-39	1,021	955
40-44	1,003	953
45-49	865	868
50-54	751	697
55-59	574	565
60-64	470	526
65-69	457	488
70-74	431	510
75-79	334	431
80-84	244	349
85&up	175	344
Total	12,437	12,448
Total Male/Female	24,885	

Lincoln County, 1997

Age Group	Lincoln	
	Male	Female
00-04	138	145
05-09	229	227
10-14	286	286
15-17	170	181
18-19	71	55
20-24	100	79
25-29	126	116
30-34	159	137
35-39	230	222
40-44	209	189
45-49	205	205
50-54	197	223
55-59	177	172
60-64	173	158
65-69	173	207
70-74	184	195
75-79	166	190
80-84	133	148
85&up	88	203
Total	3,214	3,338
Total Male/Female	6,552	

Lyon County, 1997

Age Group	Lyon	
	Male	Female
00-04	758	750
05-09	971	919
10-14	1,095	969
15-17	667	570
18-19	426	485
20-24	911	806
25-29	635	651
30-34	769	851
35-39	1,023	932
40-44	857	828
45-49	764	745
50-54	654	625
55-59	464	529
60-64	461	459
65-69	425	509
70-74	437	530
75-79	351	478
80-84	254	356
85&up	184	420
Total	12,106	12,412
Total Male/Female	24,518	

McLeod County, 1997

Age Group	McLeod	
	Male	Female
00-04	1,243	1,107
05-09	1,272	1,269
10-14	1,486	1,443
15-17	929	843
18-19	456	398
20-24	937	746
25-29	1,020	968
30-34	1,149	1,126
35-39	1,387	1,365
40-44	1,358	1,265
45-49	1,129	1,167
50-54	934	927
55-59	729	698
60-64	597	661
65-69	571	675
70-74	538	641
75-79	460	598
80-84	338	510
85&up	224	524
Total	16,757	16,931
Total Male/Female	33,688	

Source: U.S. Census Bureau: 1997 Census Estimates, www.census.gov

Demographics Table 1: Minnesota Population Estimates by Age and Sex, 1997

Mahnomen County, 1997

Age Group	Mahnomen	
	Male	Female
00-04	143	136
05-09	229	204
10-14	286	265
15-17	166	168
18-19	63	55
20-24	73	88
25-29	115	109
30-34	146	143
35-39	173	160
40-44	169	163
45-49	175	180
50-54	152	149
55-59	129	116
60-64	117	112
65-69	107	131
70-74	109	97
75-79	101	102
80-84	68	80
85&up	40	70
Total	2,561	2,528
Total Male/Female	5,089	

Marshall County, 1997

Age Group	Marshall	
	Male	Female
00-04	283	288
05-09	385	365
10-14	551	482
15-17	331	304
18-19	119	99
20-24	180	152
25-29	234	206
30-34	326	303
35-39	432	399
40-44	391	354
45-49	370	346
50-54	334	315
55-59	245	279
60-64	261	242
65-69	255	246
70-74	249	238
75-79	176	204
80-84	132	180
85&up	100	169
Total	5,354	5,171
Total Male/Female	10,525	

Martin County, 1997

Age Group	Martin	
	Male	Female
00-04	688	619
05-09	833	744
10-14	921	884
15-17	566	545
18-19	244	205
20-24	387	336
25-29	479	500
30-34	736	757
35-39	938	876
40-44	846	792
45-49	765	745
50-54	617	664
55-59	532	543
60-64	463	536
65-69	492	563
70-74	456	569
75-79	414	541
80-84	323	443
85&up	178	503
Total	10,878	11,365
Total Male/Female	22,243	

Meeker County, 1997

Age Group	Meeker	
	Male	Female
00-04	711	674
05-09	845	861
10-14	981	949
15-17	600	585
18-19	245	220
20-24	438	389
25-29	498	521
30-34	701	629
35-39	897	850
40-44	789	750
45-49	708	734
50-54	642	598
55-59	508	543
60-64	475	468
65-69	472	482
70-74	410	484
75-79	326	449
80-84	250	334
85&up	170	336
Total	10,666	10,856
Total Male/Female	21,522	

Source: U.S. Census Bureau: 1997 Census Estimates, www.census.gov

Demographics Table 1: Minnesota Population Estimates by Age and Sex, 1997

Mille Lacs County, 1997

Age Group	Mille Lacs	
	Male	Female
00-04	692	635
05-09	828	799
10-14	1,004	883
15-17	554	539
18-19	255	217
20-24	440	410
25-29	505	543
30-34	616	632
35-39	805	800
40-44	776	699
45-49	656	737
50-54	609	610
55-59	473	472
60-64	454	488
65-69	422	419
70-74	394	435
75-79	346	452
80-84	230	352
85&up	156	333
Total	10,215	10,455
Total Male/Female	20,670	

Morrison County, 1997

Age Group	Morrison	
	Male	Female
00-04	1,059	989
05-09	1,387	1,237
10-14	1,526	1,464
15-17	926	818
18-19	407	329
20-24	706	621
25-29	771	756
30-34	987	987
35-39	1,257	1,144
40-44	1,078	994
45-49	939	954
50-54	782	830
55-59	726	724
60-64	616	668
65-69	611	657
70-74	564	622
75-79	436	553
80-84	311	432
85&up	225	408
Total	15,314	15,187
Total Male/Female	30,501	

Mower County, 1997

Age Group	Mower	
	Male	Female
00-04	1,068	1,015
05-09	1,357	1,197
10-14	1,511	1,396
15-17	944	860
18-19	508	431
20-24	753	751
25-29	869	896
30-34	1,155	1,091
35-39	1,414	1,322
40-44	1,303	1,249
45-49	1,151	1,190
50-54	1,043	1,103
55-59	959	1,092
60-64	944	998
65-69	924	1,027
70-74	812	1,014
75-79	675	939
80-84	444	723
85&up	275	729
Total	18,109	19,023
Total Male/Female	37,132	

Murray County, 1997

Age Group	Murray	
	Male	Female
00-04	267	251
05-09	329	335
10-14	436	416
15-17	272	221
18-19	104	92
20-24	174	139
25-29	186	195
30-34	251	256
35-39	396	336
40-44	351	308
45-49	313	288
50-54	262	287
55-59	272	300
60-64	239	271
65-69	235	264
70-74	269	247
75-79	200	231
80-84	112	168
85&up	76	178
Total	4,744	4,783
Total Male/Female	9,527	

Source: U.S. Census Bureau: 1997 Census Estimates, www.census.gov

Demographics Table 1: Minnesota Population Estimates by Age and Sex, 1997

Nicollet County, 1997

Age Group	Nicollet	
	Male	Female
00-04	963	928
05-09	1,090	1,036
10-14	1,240	1,207
15-17	680	671
18-19	735	785
20-24	1,420	1,414
25-29	863	817
30-34	1,009	1,045
35-39	1,366	1,251
40-44	1,290	1,119
45-49	911	965
50-54	787	774
55-59	632	640
60-64	478	497
65-69	409	464
70-74	387	402
75-79	307	419
80-84	210	342
85&up	135	347
Total	14,912	15,123
Total Male/Female	30,035	

Nobles County, 1997

Age Group	Nobles	
	Male	Female
00-04	590	573
05-09	723	672
10-14	843	763
15-17	495	497
18-19	302	239
20-24	508	413
25-29	508	466
30-34	668	605
35-39	766	722
40-44	665	666
45-49	642	653
50-54	571	555
55-59	488	571
60-64	445	459
65-69	403	456
70-74	386	486
75-79	347	459
80-84	214	345
85&up	161	405
Total	9,725	10,005
Total Male/Female	19,730	

Norman County, 1997

Age Group	Norman	
	Male	Female
00-04	205	194
05-09	290	250
10-14	314	364
15-17	220	200
18-19	84	56
20-24	117	96
25-29	170	153
30-34	203	228
35-39	310	253
40-44	254	240
45-49	254	231
50-54	229	236
55-59	215	231
60-64	196	187
65-69	207	182
70-74	178	204
75-79	162	190
80-84	152	175
85&up	94	193
Total	3,854	3,863
Total Male/Female	7,717	

Olmsted County, 1997

Age Group	Olmsted	
	Male	Female
00-04	4,350	4,229
05-09	4,569	4,218
10-14	4,553	4,236
15-17	2,628	2,593
18-19	1,495	1,581
20-24	3,071	3,414
25-29	4,063	4,290
30-34	5,008	5,063
35-39	5,331	5,241
40-44	4,615	4,799
45-49	4,292	4,372
50-54	3,393	3,427
55-59	2,417	2,343
60-64	1,671	1,804
65-69	1,421	1,648
70-74	1,158	1,501
75-79	866	1,395
80-84	577	1,221
85&up	421	1,345
Total	55,899	58,720
Total Male/Female	114,619	

Source: U.S. Census Bureau: 1997 Census Estimates, www.census.gov

Demographics Table 1: Minnesota Population Estimates by Age and Sex, 1997

Otter Tail County, 1997

Age Group	Otter Tail	
	Male	Female
00-04	1,678	1,485
05-09	1,965	1,906
10-14	2,271	2,108
15-17	1,317	1,306
18-19	665	583
20-24	1,061	956
25-29	1,275	1,073
30-34	1,662	1,652
35-39	2,181	2,021
40-44	1,977	1,909
45-49	1,792	1,797
50-54	1,638	1,672
55-59	1,488	1,491
60-64	1,321	1,369
65-69	1,249	1,319
70-74	1,212	1,322
75-79	999	1,249
80-84	700	972
85&up	529	1,052
Total	26,980	27,242
Total Male/Female	54,222	

Pennington County, 1997

Age Group	Pennington	
	Male	Female
00-04	410	384
05-09	448	455
10-14	607	536
15-17	379	369
18-19	291	195
20-24	457	311
25-29	334	323
30-34	422	417
35-39	539	488
40-44	527	542
45-49	477	444
50-54	360	376
55-59	287	312
60-64	237	292
65-69	239	268
70-74	240	294
75-79	221	270
80-84	154	250
85&up	129	263
Total	6,758	6,789
Total Male/Female	13,547	

Pine County, 1997

Age Group	Pine	
	Male	Female
00-04	713	655
05-09	899	892
10-14	1,147	1,002
15-17	716	618
18-19	310	234
20-24	500	407
25-29	744	525
30-34	855	770
35-39	1,047	828
40-44	899	722
45-49	787	786
50-54	700	715
55-59	606	607
60-64	572	534
65-69	514	541
70-74	447	465
75-79	354	411
80-84	252	326
85&up	162	312
Total	12,224	11,350
Total Male/Female	23,574	

Pipestone County, 1997

Age Group	Pipestone	
	Male	Female
00-04	352	291
05-09	381	386
10-14	433	409
15-17	245	291
18-19	136	116
20-24	194	185
25-29	242	234
30-34	308	288
35-39	347	345
40-44	320	332
45-49	307	263
50-54	251	301
55-59	231	266
60-64	219	254
65-69	248	286
70-74	235	266
75-79	176	252
80-84	139	203
85&up	95	256
Total	4,859	5,224
Total Male/Female	10,083	

Source: U.S. Census Bureau: 1997 Census Estimates, www.census.gov

Demographics Table 1: Minnesota Population Estimates by Age and Sex, 1997

Polk County, 1997

Age Group	Polk	
	Male	Female
00-04	1,046	975
05-09	1,307	1,224
10-14	1,440	1,284
15-17	859	750
18-19	512	476
20-24	757	731
25-29	782	778
30-34	1,017	959
35-39	1,279	1,211
40-44	1,210	1,079
45-49	1,020	994
50-54	851	969
55-59	748	746
60-64	678	656
65-69	647	716
70-74	624	725
75-79	523	684
80-84	372	572
85&up	277	613
Total	15,949	16,142
Total Male/Female	32,091	

Pope County, 1997

Age Group	Pope	
	Male	Female
00-04	338	291
05-09	415	419
10-14	457	456
15-17	284	262
18-19	89	88
20-24	179	148
25-29	210	223
30-34	314	305
35-39	428	370
40-44	388	364
45-49	372	335
50-54	289	331
55-59	267	298
60-64	270	271
65-69	296	292
70-74	285	306
75-79	230	299
80-84	163	220
85&up	125	225
Total	5,399	5,503
Total Male/Female	10,902	

Ramsey County, 1997

Age Group	Ramsey	
	Male	Female
00-04	17,929	17,199
05-09	17,444	16,276
10-14	16,719	16,093
15-17	10,208	9,594
18-19	6,877	7,576
20-24	17,783	19,224
25-29	18,497	18,495
30-34	19,556	19,988
35-39	21,574	21,648
40-44	19,094	19,683
45-49	15,436	16,401
50-54	11,938	12,973
55-59	9,501	10,462
60-64	7,918	9,117
65-69	6,958	9,052
70-74	5,912	8,171
75-79	4,423	7,413
80-84	2,840	5,944
85&up	1,943	6,495
Total	232,550	251,804
Total Male/Female	484,354	

Red Lake County, 1997

Age Group	Red Lake	
	Male	Female
00-04	134	130
05-09	180	179
10-14	182	194
15-17	143	122
18-19	56	37
20-24	77	57
25-29	102	102
30-34	138	134
35-39	178	145
40-44	163	149
45-49	146	131
50-54	133	113
55-59	106	101
60-64	94	100
65-69	94	101
70-74	98	109
75-79	85	96
80-84	60	69
85&up	43	63
Total	2,212	2,132
Total Male/Female	4,344	

Source: U.S. Census Bureau: 1997 Census Estimates, www.census.gov

Demographics Table 1: Minnesota Population Estimates by Age and Sex, 1997

Redwood County, 1997

Age Group	Redwood	
	Male	Female
00-04	526	515
05-09	656	588
10-14	703	687
15-17	446	456
18-19	156	144
20-24	333	269
25-29	376	388
30-34	534	450
35-39	599	576
40-44	566	555
45-49	561	548
50-54	489	477
55-59	401	411
60-64	363	385
65-69	385	419
70-74	412	453
75-79	319	382
80-84	215	351
85&up	171	391
Total	8,211	8,445
Total Male/Female	16,656	

Renville County, 1997

Age Group	Renville	
	Male	Female
00-04	500	539
05-09	696	613
10-14	748	714
15-17	449	395
18-19	181	156
20-24	320	258
25-29	360	372
30-34	575	526
35-39	689	584
40-44	570	533
45-49	524	525
50-54	469	463
55-59	453	501
60-64	408	404
65-69	386	432
70-74	397	460
75-79	337	400
80-84	247	339
85&up	174	369
Total	8,483	8,583
Total Male/Female	17,066	

Rice County, 1997

Age Group	Rice	
	Male	Female
00-04	1,684	1,544
05-09	1,962	1,859
10-14	2,133	2,062
15-17	1,278	1,316
18-19	1,502	1,569
20-24	2,646	2,398
25-29	1,645	1,389
30-34	1,900	1,794
35-39	2,177	2,110
40-44	2,002	1,935
45-49	1,774	1,749
50-54	1,465	1,430
55-59	1,085	1,111
60-64	820	853
65-69	689	862
70-74	718	850
75-79	557	713
80-84	365	644
85&up	300	700
Total	26,702	26,888
Total Male/Female	53,590	

Rock County, 1997

Age Group	Rock	
	Male	Female
00-04	301	268
05-09	378	379
10-14	452	430
15-17	290	255
18-19	120	97
20-24	158	168
25-29	227	206
30-34	285	294
35-39	379	356
40-44	369	346
45-49	334	300
50-54	257	282
55-59	220	261
60-64	221	253
65-69	236	273
70-74	221	254
75-79	186	220
80-84	109	205
85&up	88	211
Total	4,831	5,058
Total Male/Female	9,889	

Source: U.S. Census Bureau: 1997 Census Estimates, www.census.gov

Demographics Table 1: Minnesota Population Estimates by Age and Sex, 1997

Roseau County, 1997

Age Group	Roseau	
	Male	Female
00-04	678	643
05-09	689	654
10-14	749	714
15-17	475	408
18-19	165	157
20-24	515	419
25-29	589	531
30-34	626	543
35-39	664	612
40-44	586	519
45-49	541	512
50-54	446	420
55-59	326	302
60-64	271	292
65-69	284	273
70-74	282	269
75-79	232	271
80-84	166	207
85&up	101	171
Total	8,385	7,917
Total Male/Female	16,302	

St. Louis County, 1997

Age Group	St. Louis	
	Male	Female
00-04	5,208	5,018
05-09	6,535	6,116
10-14	7,727	7,164
15-17	4,856	4,577
18-19	2,932	2,624
20-24	5,730	5,354
25-29	4,585	4,679
30-34	6,352	6,477
35-39	8,842	8,577
40-44	8,337	7,579
45-49	6,730	6,641
50-54	5,433	5,636
55-59	4,460	4,789
60-64	4,199	4,517
65-69	3,964	4,585
70-74	3,668	4,700
75-79	3,120	4,431
80-84	1,745	3,214
85&up	1,011	2,877
Total	95,434	99,555
Total Male/Female	194,989	

Scott County, 1997

Age Group	Scott	
	Male	Female
00-04	3,253	2,983
05-09	3,322	3,192
10-14	3,387	3,218
15-17	2,159	1,879
18-19	1,023	891
20-24	2,162	1,933
25-29	2,718	2,801
30-34	3,666	3,372
35-39	3,810	3,541
40-44	3,387	3,293
45-49	2,992	2,759
50-54	2,176	1,973
55-59	1,437	1,290
60-64	945	945
65-69	816	794
70-74	609	739
75-79	455	642
80-84	312	490
85&up	190	524
Total	38,819	37,259
Total Male/Female	76,078	

Sherburne County, 1997

Age Group	Sherburne	
	Male	Female
00-04	2,232	2,148
05-09	2,635	2,440
10-14	2,869	2,658
15-17	1,706	1,640
18-19	939	831
20-24	2,507	1,873
25-29	1,920	1,892
30-34	2,275	2,312
35-39	2,806	2,618
40-44	2,625	2,481
45-49	2,167	2,010
50-54	1,563	1,341
55-59	1,019	874
60-64	700	716
65-69	582	592
70-74	468	545
75-79	332	464
80-84	222	337
85&up	145	383
Total	29,712	28,155
Total Male/Female	57,867	

Source: U.S. Census Bureau: 1997 Census Estimates, www.census.gov

Demographics Table 1: Minnesota Population Estimates by Age and Sex, 1997

Sibley County, 1997

Age Group	Sibley	
	Male	Female
00-04	474	453
05-09	530	512
10-14	676	652
15-17	423	342
18-19	178	149
20-24	284	269
25-29	373	354
30-34	457	429
35-39	595	501
40-44	511	478
45-49	467	467
50-54	442	463
55-59	382	409
60-64	347	332
65-69	272	293
70-74	313	376
75-79	269	299
80-84	191	231
85&up	117	265
Total	7,301	7,274
Total Male/Female	14,575	

Stearns County, 1997

Age Group	Stearns	
	Male	Female
00-04	4,354	4,106
05-09	5,158	4,817
10-14	5,594	5,214
15-17	3,443	3,204
18-19	3,119	3,353
20-24	6,981	6,130
25-29	4,068	3,841
30-34	4,362	4,292
35-39	5,081	4,922
40-44	4,612	4,317
45-49	3,645	3,715
50-54	3,033	3,086
55-59	2,572	2,506
60-64	2,055	2,160
65-69	1,847	1,989
70-74	1,584	1,816
75-79	1,298	1,597
80-84	822	1,186
85&up	530	1,131
Total	64,158	63,382
Total Male/Female	127,540	

Steele County, 1997

Age Group	Steele	
	Male	Female
00-04	1,072	1,085
05-09	1,212	1,225
10-14	1,351	1,379
15-17	886	754
18-19	417	380
20-24	818	768
25-29	968	912
30-34	1,110	1,080
35-39	1,431	1,328
40-44	1,213	1,169
45-49	1,030	1,035
50-54	887	944
55-59	667	673
60-64	582	666
65-69	530	606
70-74	500	596
75-79	430	531
80-84	255	415
85&up	186	440
Total	15,545	15,986
Total Male/Female	31,531	

Stevens County, 1997

Age Group	Stevens	
	Male	Female
00-04	262	261
05-09	336	309
10-14	381	382
15-17	237	192
18-19	358	445
20-24	588	583
25-29	196	171
30-34	268	273
35-39	358	386
40-44	312	281
45-49	271	257
50-54	239	226
55-59	212	253
60-64	203	223
65-69	184	209
70-74	186	229
75-79	164	184
80-84	101	146
85&up	85	187
Total	4,941	5,197
Total Male/Female	10,138	

Source: U.S. Census Bureau: 1997 Census Estimates, www.census.gov
1998 Minnesota County Health Tables

Demographics Table 1: Minnesota Population Estimates by Age and Sex, 1997

Swift County, 1997

Age Group	Swift	
	Male	Female
00-04	283	263
05-09	387	330
10-14	473	458
15-17	300	246
18-19	233	74
20-24	258	157
25-29	241	219
30-34	485	310
35-39	461	325
40-44	355	363
45-49	348	322
50-54	300	295
55-59	246	270
60-64	228	267
65-69	267	314
70-74	261	289
75-79	225	261
80-84	166	223
85&up	106	217
Total	5,623	5,203
Total Male/Female	10,826	

Todd County, 1997

Age Group	Todd	
	Male	Female
00-04	655	740
05-09	977	1,009
10-14	1,204	1,152
15-17	745	687
18-19	359	247
20-24	510	387
25-29	515	498
30-34	719	708
35-39	998	887
40-44	849	782
45-49	828	795
50-54	673	691
55-59	591	601
60-64	546	492
65-69	483	575
70-74	486	499
75-79	404	461
80-84	272	392
85&up	205	345
Total	12,019	11,948
Total Male/Female	23,967	

Traverse County, 1997

Age Group	Traverse	
	Male	Female
00-04	137	101
05-09	148	163
10-14	171	179
15-17	105	96
18-19	30	30
20-24	51	51
25-29	90	87
30-34	127	101
35-39	149	126
40-44	119	131
45-49	125	134
50-54	112	136
55-59	130	154
60-64	114	114
65-69	120	121
70-74	108	129
75-79	110	120
80-84	84	118
85&up	54	104
Total	2,084	2,195
Total Male/Female	4,279	

Wabasha County, 1997

Age Group	Wabasha	
	Male	Female
00-04	674	691
05-09	830	806
10-14	960	851
15-17	511	524
18-19	251	226
20-24	495	410
25-29	538	527
30-34	664	707
35-39	900	778
40-44	823	818
45-49	684	704
50-54	664	604
55-59	460	440
60-64	415	431
65-69	426	422
70-74	418	428
75-79	280	384
80-84	228	323
85&up	151	302
Total	10,372	10,376
Total Male/Female	20,748	

Source: U.S. Census Bureau: 1997 Census Estimates, www.census.gov

Demographics Table 1: Minnesota Population Estimates by Age and Sex, 1997

Wadena County, 1997

Age Group	Wadena	
	Male	Female
00-04	413	376
05-09	477	486
10-14	552	578
15-17	355	332
18-19	170	154
20-24	290	238
25-29	272	285
30-34	387	376
35-39	465	470
40-44	443	385
45-49	448	468
50-54	412	383
55-59	296	325
60-64	300	304
65-69	266	333
70-74	282	315
75-79	238	300
80-84	178	237
85&up	127	239
Total	6,371	6,584
Total Male/Female	12,955	

Waseca County, 1997

Age Group	Waseca	
	Male	Female
00-04	623	539
05-09	696	699
10-14	839	820
15-17	525	440
18-19	241	199
20-24	497	405
25-29	489	442
30-34	620	623
35-39	813	754
40-44	763	695
45-49	573	554
50-54	453	459
55-59	350	396
60-64	332	399
65-69	371	396
70-74	333	356
75-79	265	329
80-84	173	290
85&up	126	291
Total	9,082	9,086
Total Male/Female	18,168	

Washington County, 1997

Age Group	Washington	
	Male	Female
00-04	6,909	6,749
05-09	8,143	7,801
10-14	8,766	8,277
15-17	5,560	5,172
18-19	2,600	2,240
20-24	4,784	4,563
25-29	5,763	5,949
30-34	7,738	7,987
35-39	9,682	9,585
40-44	10,054	9,881
45-49	8,552	8,159
50-54	5,980	5,573
55-59	3,961	3,728
60-64	2,681	2,471
65-69	1,919	2,104
70-74	1,354	1,613
75-79	929	1,365
80-84	593	1,007
85&up	373	983
Total	96,341	95,207
Total Male/Female	191,548	

Watonwan County, 1997

Age Group	Watonwan	
	Male	Female
00-04	387	371
05-09	458	465
10-14	505	490
15-17	306	254
18-19	127	123
20-24	252	231
25-29	296	264
30-34	400	374
35-39	502	379
40-44	384	376
45-49	401	366
50-54	316	362
55-59	311	320
60-64	252	297
65-69	253	280
70-74	220	272
75-79	192	261
80-84	143	233
85&up	98	221
Total	5,803	5,939
Total Male/Female	11,742	

Source: U.S. Census Bureau: 1997 Census Estimates, www.census.gov

Demographics Table 1: Minnesota Population Estimates by Age and Sex, 1997

Wilkin County, 1997

Age Group	Wilkin	
	Male	Female
00-04	239	237
05-09	281	272
10-14	328	306
15-17	203	165
18-19	85	76
20-24	198	126
25-29	178	189
30-34	267	232
35-39	322	265
40-44	249	253
45-49	204	244
50-54	201	206
55-59	194	200
60-64	184	157
65-69	148	157
70-74	124	177
75-79	125	150
80-84	85	164
85&up	61	115
Total	3,676	3,691
Total Male/Female	7,367	

Winona County, 1997

Age Group	Winona	
	Male	Female
00-04	1,391	1,362
05-09	1,672	1,565
10-14	1,811	1,736
15-17	1,132	1,044
18-19	1,327	1,732
20-24	2,565	2,476
25-29	1,334	1,235
30-34	1,485	1,496
35-39	1,927	1,836
40-44	1,771	1,673
45-49	1,455	1,420
50-54	1,235	1,189
55-59	971	948
60-64	778	901
65-69	790	856
70-74	688	828
75-79	651	844
80-84	436	705
85&up	296	701
Total	23,715	24,547
Total Male/Female	48,262	

Wright County, 1997

Age Group	Wright	
	Male	Female
00-04	3,290	3,180
05-09	3,828	3,657
10-14	4,104	3,921
15-17	2,474	2,255
18-19	1,159	1,042
20-24	2,208	2,090
25-29	2,686	2,661
30-34	3,273	3,074
35-39	3,724	3,587
40-44	3,541	3,368
45-49	3,080	2,932
50-54	2,299	2,114
55-59	1,621	1,497
60-64	1,158	1,114
65-69	1,061	1,153
70-74	965	1,028
75-79	774	983
80-84	520	772
85&up	340	623
Total	42,105	41,051
Total Male/Female	83,156	

Yellow Medicine County, 1997

Age Group	Yellow Medicine	
	Male	Female
00-04	353	305
05-09	439	421
10-14	504	458
15-17	316	249
18-19	159	112
20-24	211	176
25-29	240	251
30-34	354	353
35-39	473	354
40-44	342	361
45-49	388	364
50-54	330	367
55-59	284	302
60-64	281	314
65-69	274	278
70-74	279	340
75-79	251	285
80-84	177	247
85&up	138	243
Total	5,793	5,780
Total Male/Female	11,573	

Source: U.S. Census Bureau: 1997 Census Estimates, www.census.gov

**Demographics Table 2: Minnesota Population Estimates by Race and Hispanicity
By State and County, 1997**

	Race					Ethnicity
	Total	White	Black/ African American	Amer. Indian/ Alaskan Native	Asian/ Pacific Islander	Hispanic/ Latino (any race)
State of Minnesota	4,685,549	4,377,363	133,143	57,130	117,913	80,707
Aitkin	13,868	13,560	22	237	49	56
Anoka	286,673	276,922	2,204	2,404	5,143	3,842
Becker	29,240	26,961	27	2,098	154	172
Beltrami	38,709	31,411	147	6,857	294	236
Benton	33,671	33,163	105	161	242	280
Big Stone	5,689	5,643	5	24	17	28
Blue Earth	54,037	52,414	317	135	1,171	700
Brown	27,222	26,997	19	29	177	228
Carlton	30,689	28,957	157	1,451	124	190
Carver	63,198	61,957	202	183	856	495
Cass	25,746	22,621	65	2,964	96	163
Chippewa	13,019	12,909	8	44	58	126
Chisago	39,439	38,978	117	169	175	257
Clay	51,816	50,268	241	670	637	1,752
Clearwater	8,201	7,524	3	659	15	20
Cook	4,740	4,324	8	367	41	23
Cottonwood	12,257	12,116	14	10	117	80
Crow Wing	51,105	50,153	159	543	250	307
Dakota	334,585	319,142	5,853	1,172	8,418	7,106
Dodge	17,002	16,845	21	42	94	264
Douglas	30,727	30,433	20	114	160	134
Faribault	16,432	16,301	13	37	81	438
Fillmore	20,689	20,548	10	60	71	98
Freeborn	31,562	31,299	14	70	179	1,472
Goodhue	42,706	41,993	129	313	271	270
Grant	6,141	6,089	3	32	17	10
Hennepin	1,053,178	910,112	83,345	15,857	43,864	20,025
Houston	19,228	19,058	39	56	75	57
Hubbard	16,758	16,385	8	335	30	65
Isanti	29,557	29,069	106	192	190	206
Itasca	43,555	41,819	60	1,535	141	216
Jackson	11,700	11,442	2	15	241	159
Kanabec	14,042	13,855	35	76	76	97
Kandiyohi	41,090	40,551	140	209	190	2,058
Kittson	5,358	5,338	0	9	11	52
Koochiching	15,682	15,104	51	459	68	239
Lac Qui Parle	8,101	8,041	14	12	34	26
Lake	10,716	10,622	4	65	25	47
Lake of the Woods	4,539	4,493	2	25	19	43
Le Sueur	24,885	24,668	25	86	106	202
Lincoln	6,552	6,529	3	11	9	34
Lyon	24,518	24,200	84	77	157	307
McLeod	33,688	33,345	60	69	214	434
Mahnomen	5,089	3,817	1	1,265	6	36
Marshall	10,525	10,455	3	49	18	148
Martin	22,243	22,082	11	36	114	186
Meeker	21,522	21,307	39	39	137	353
Mille Lacs	20,670	19,831	45	735	59	142
Morrison	30,501	30,293	52	88	68	151
Mower	37,132	36,535	93	79	425	355
Murray	9,527	9,499	0	4	24	27

**Demographics Table 2: Minnesota Population Estimates by Race and Hispanicity
By State and County, 1997**

	Race					Ethnicity
	Total	White	Black/ African American	Amer. Indian/ Alaskan Native	Asian/ Pacific Islander	Hispanic/ Latino (any race)
State of Minnesota	4,685,549	4,377,363	133,143	57,130	117,913	80,707
Nicollet	30,035	29,535	109	63	328	319
Nobles	19,730	19,015	56	94	565	350
Norman	7,717	7,618	4	76	19	90
Olmsted	114,619	108,005	1,148	337	5,129	1,475
Otter Tail	54,222	53,608	52	266	296	346
Pennington	13,547	13,351	15	109	72	158
Pine	23,574	22,626	381	433	134	486
Pipestone	10,083	9,823	6	150	104	57
Polk	32,091	31,431	96	435	129	1,605
Pope	10,902	10,853	6	25	18	11
Ramsey	484,354	413,712	30,784	4,903	34,955	19,406
Red Lake	4,344	4,326	3	12	3	58
Redwood	16,656	16,286	32	299	39	123
Renville	17,066	16,930	7	65	64	293
Rice	53,590	52,179	370	162	879	817
Rock	9,889	9,812	15	35	27	37
Roseau	16,302	15,945	20	172	165	54
St. Louis	194,989	188,194	1,403	3,855	1,537	1,298
Scott	76,078	74,056	469	513	1,040	776
Sherburne	57,867	56,783	372	287	425	506
Sibley	14,575	14,481	6	30	58	188
Stearns	127,540	125,309	583	343	1,305	824
Steele	31,531	31,173	66	53	239	803
Stevens	10,138	9,862	67	49	160	60
Swift	10,826	10,689	36	57	44	105
Todd	23,967	23,825	12	57	73	78
Traverse	4,279	4,132	0	125	22	8
Wabasha	20,748	20,547	15	49	137	119
Wadena	12,955	12,827	11	67	50	69
Waseca	18,168	17,963	37	62	106	179
Washington	191,548	184,995	2,435	925	3,193	3,585
Watonwan	11,742	11,615	12	40	75	838
Wilkin	7,367	7,276	8	46	37	55
Winona	48,262	47,106	259	141	756	487
Wright	83,156	82,160	138	366	492	513
Yellow Medicine	11,573	11,337	5	201	30	119

Source: US Census

**Demographics Table 3: Selected Minnesota Population Statistics
By State and County, 1997**

	Population 65+ years		Elderly Dependency Ratio	Total Age Dependency Ratio	Children Ages 0-19	Child Age Dependency Ratio	Females Ages 15-44
	Number	Percent					
State of Minnesota	577,744	12.3	18.8	52.1	1,385,584	33.4	1,050,544
Aitkin	3,244	23.4	40.3	72.5	3,485	32.1	2,156
Anoka	15,872	5.5	7.9	43.3	94,647	35.3	69,634
Becker	4,821	16.5	27.2	65.2	9,038	38.0	5,455
Beltrami	4,528	11.7	18.4	57.2	13,241	38.8	8,753
Benton	4,067	12.1	19.1	58.3	10,913	39.2	7,649
Big Stone	1,383	24.3	44.1	81.5	1,550	37.4	904
Blue Earth	6,829	12.6	18.5	46.4	15,943	27.9	13,320
Brown	4,847	17.8	29.4	65.2	8,056	35.8	5,389
Carlton	4,720	15.4	24.6	59.9	9,190	35.3	5,948
Carver	5,376	8.5	12.8	50.2	20,418	37.5	14,565
Cass	4,835	18.8	31.7	68.9	7,420	37.2	4,366
Chippewa	2,757	21.2	37.0	74.5	3,703	37.6	2,298
Chisago	4,773	12.1	19.2	58.7	12,989	39.5	8,164
Clay	6,309	12.2	18.2	49.1	16,346	30.9	12,867
Clearwater	1,604	19.6	33.8	73.1	2,540	39.2	1,393
Cook	766	16.2	24.9	54.1	1,198	29.2	953
Cottonwood	2,794	22.8	40.0	75.4	3,385	35.4	2,063
Crow Wing	8,851	17.3	28.3	63.6	14,868	35.2	9,783
Dakota	21,185	6.3	9.2	44.8	106,940	35.6	83,878
Dodge	2,302	13.5	22.2	64.0	5,684	41.8	3,499
Douglas	5,623	18.3	30.6	67.0	9,139	36.5	5,707
Faribault	3,580	21.8	38.0	74.6	4,568	36.6	2,712
Fillmore	4,259	20.6	35.7	73.6	6,118	37.9	3,609
Freeborn	5,884	18.6	30.6	64.0	8,689	33.4	5,729
Goodhue	6,916	16.2	26.4	62.8	12,658	36.4	8,411
Grant	1,492	24.3	43.9	80.6	1,639	36.7	947
Hennepin	119,499	11.3	16.4	44.3	272,221	27.9	258,373
Houston	3,099	16.1	26.5	64.1	5,834	37.7	3,782
Hubbard	2,983	17.8	29.3	64.6	4,813	35.3	2,955
Isanti	3,313	11.2	17.6	56.6	9,935	39.1	6,284
Itasca	6,874	15.8	25.3	60.4	13,188	35.1	8,519
Jackson	2,356	20.1	34.5	71.4	3,365	36.9	2,045
Kanabec	2,093	14.9	24.4	63.5	4,515	39.1	2,715
Kandiyohi	6,206	15.1	24.5	62.0	13,084	37.6	8,381
Kittson	1,188	22.2	38.8	74.8	1,459	36.1	895
Koochiching	2,338	14.9	22.7	52.4	4,358	29.7	2,936
Lac Qui Parle	1,904	23.5	42.1	79.2	2,215	37.1	1,270
Lake	1,852	17.3	27.0	56.1	2,762	29.1	1,888
Lake of the Woods	779	17.2	28.2	64.2	1,302	36.0	816
Le Sueur	3,763	15.1	24.7	63.2	7,806	38.5	4,751
Lincoln	1,687	25.7	47.5	84.4	1,788	36.9	979
Lyon	3,944	16.1	26.1	62.2	7,610	36.1	5,123
McLeod	5,079	15.1	24.4	62.0	10,466	37.6	6,711
Mahnomen	905	17.8	31.0	74.2	1,715	43.2	886
Marshall	1,949	18.5	31.3	69.2	3,207	37.8	1,817
Martin	4,482	20.2	34.3	70.2	6,249	35.9	4,011
Meeker	3,713	17.3	29.0	68.3	6,671	39.3	3,944
Mille Lacs	3,539	17.1	28.8	68.2	6,406	39.4	3,840
Morrison	4,819	15.8	26.7	69.3	10,142	42.5	5,649
Mower	7,562	20.4	34.3	68.6	10,287	34.3	6,600
Murray	1,980	20.8	35.9	72.8	2,723	36.9	1,547
Nicollet	3,422	11.4	17.0	49.1	9,335	32.1	7,102

**Demographics Table 3: Selected Minnesota Population Statistics
By State and County, 1997**

	Population 65+ years		Elderly Dependency Ratio	Total Age Dependency Ratio	Children Ages 0-19	Child Age Dependency Ratio	Females Ages 15-44
	Number	Percent					
State of Minnesota	577,744	12.3	18.8	52.1	1,385,584	33.4	1,050,544
Nobles	3,662	18.6	30.8	65.7	5,697	35.0	3,608
Norman	1,737	22.5	39.8	76.9	2,177	37.1	1,226
Olmsted	11,553	10.1	15.0	49.0	34,452	34.0	26,981
Otter Tail	10,603	19.6	32.9	68.4	15,284	35.4	9,500
Pennington	2,328	17.2	27.8	61.7	4,074	33.9	2,645
Pine	3,784	16.1	26.1	62.8	7,186	36.7	4,104
Pipestone	2,156	21.4	38.0	77.7	3,040	39.7	1,791
Polk	5,753	17.9	30.2	68.4	9,873	38.2	5,984
Pope	2,441	22.4	40.1	79.2	3,099	39.0	1,760
Ramsey	59,151	12.2	18.3	49.7	135,915	31.4	116,208
Red Lake	818	18.8	32.4	71.9	1,357	39.5	746
Redwood	3,498	21.0	36.9	75.6	4,877	38.8	2,838
Renville	3,541	20.7	36.4	75.7	4,991	39.2	2,824
Rice	6,398	11.9	17.8	49.1	16,909	31.3	12,511
Rock	2,003	20.3	35.3	74.2	2,970	38.9	1,722
Roseau	2,256	13.8	22.7	64.4	5,332	41.6	3,189
St. Louis	33,315	17.1	26.9	57.4	52,757	30.5	39,867
Scott	5,571	7.3	10.9	48.7	25,307	37.8	17,710
Sherburne	4,070	7.0	10.5	49.1	20,098	38.6	13,647
Sibley	2,626	18.0	30.4	68.5	4,389	38.1	2,522
Stearns	13,800	10.8	16.3	50.9	42,362	34.6	30,059
Steele	4,489	14.2	22.8	59.9	9,761	37.1	6,391
Stevens	1,675	16.5	25.6	55.2	3,163	29.6	2,331
Swift	2,329	21.5	37.0	71.8	3,047	34.8	1,694
Todd	4,122	17.2	29.2	69.9	7,775	40.7	4,196
Traverse	1,068	25.0	46.2	85.1	1,160	38.9	622
Wabasha	3,362	16.2	26.7	65.0	6,324	38.3	3,990
Wadena	2,515	19.4	33.3	71.4	3,893	38.1	2,240
Waseca	2,930	16.1	26.6	64.8	5,621	38.3	3,558
Washington	12,240	6.4	9.2	44.4	62,217	35.2	45,377
Watonwan	2,173	18.5	31.5	70.3	3,486	38.8	2,001
Wilkin	1,306	17.7	29.7	67.5	2,192	37.8	1,306
Winona	6,795	14.1	21.3	51.1	14,772	29.9	11,492
Wright	8,219	9.9	15.5	57.0	28,910	41.5	18,077
Yellow Medicine	2,512	21.7	38.2	75.9	3,316	37.7	1,856

Source: U.S. Census Bureau: Census Estimates, www.census.gov

Elderly Age Dependency Ratio: The number of persons aged 65 or over per 100 persons in the population aged 15 through 64 years.

Percent Elderly: The percent of total population comprised of persons aged 65 and over.

Total Age Dependency Ratio: The number of children under 15 years of age plus the number of persons aged 65 and over per 100 persons in the population aged 15 through 64 years.

Child Age Dependency Ratio: The number of children under 15 years of age per 100 persons in the population aged 15 through 64 years.

**Demographics Table 4: Selected Minnesota Demographics
By State and County, 1997**

	Population	Land Area in Square Miles	Population per Square Mile	Number of Households	Percent Change in Number of Households 1996-1997
State of Minnesota	4,685,549	79,617	58.9	1,809,628	1.3
Aitkin	13,868	1,819	7.6	5,873	2.2
Anoka	286,673	424	676.1	98,570	2.3
Becker	29,240	1,311	22.3	11,253	1.2
Beltrami	38,709	2,505	15.5	13,312	2.0
Benton	33,671	408	82.5	12,632	1.5
Big Stone	5,689	497	11.4	2,355	0.2
Blue Earth	54,037	752	71.9	20,329	0.7
Brown	27,222	611	44.6	10,775	0.7
Carlton	30,689	860	35.7	11,627	0.9
Carver	63,198	357	177.0	21,723	3.8
Cass	25,746	2,018	12.8	9,582	2.2
Chippewa	13,019	583	22.3	5,305	0.6
Chisago	39,439	418	94.4	13,599	4.8
Clay	51,816	1,045	49.6	19,025	0.8
Clearwater	8,201	995	8.2	3,209	0.3
Cook	4,740	1,451	3.3	1,912	3.0
Cottonwood	12,257	640	19.2	5,144	0.3
Crow Wing	51,105	997	51.3	19,968	2.2
Dakota	334,585	570	587.0	120,715	2.4
Dodge	17,002	440	38.6	6,119	1.4
Douglas	30,727	634	48.5	12,249	1.6
Faribault	16,432	714	23.0	6,747	-0.2
Fillmore	20,689	861	24.0	8,071	0.6
Freeborn	31,562	708	44.6	13,062	-0.6
Goodhue	42,706	759	56.3	16,435	1.0
Grant	6,141	547	11.2	2,484	0.0
Hennepin	1,053,178	557	1,890.8	441,474	0.6
Houston	19,228	558	34.5	7,290	0.8
Hubbard	16,758	923	18.2	6,637	1.9
Isanti	29,557	439	67.3	10,346	2.3
Itasca	43,555	2,665	16.3	16,655	1.5
Jackson	11,700	702	16.7	4,660	0.3
Kanabec	14,042	525	26.7	5,300	1.9
Kandiyohi	41,090	796	51.6	15,788	0.9
Kittson	5,358	1,097	4.9	2,231	0.0
Koochiching	15,682	3,102	5.1	6,139	-0.3
Lac Qui Parle	8,101	765	10.6	3,465	-0.3
Lake	10,716	2,099	5.1	4,419	1.9
Lake of the Woods	4,539	1,297	3.5	1,765	1.8
Le Sueur	24,885	449	55.4	9,219	1.1
Lincoln	6,552	537	12.2	2,685	-0.6
Lyon	24,518	714	34.3	9,641	0.7
McLeod	33,688	492	68.5	12,966	1.2
Mahnomen	5,089	556	9.2	1,939	0.2
Marshall	10,525	1,772	5.9	4,175	0.1
Martin	22,243	709	31.4	9,265	0.3
Meeker	21,522	609	35.3	8,116	1.3
Mille Lacs	20,670	575	35.9	7,770	2.6
Morrison	30,501	1,125	27.1	11,256	1.1
Mower	37,132	712	52.2	15,369	0.1
Murray	9,527	705	13.5	3,819	0.3
Nicollet	30,035	452	66.4	10,449	1.3

**Demographics Table 4: Selected Minnesota Demographics
By State and County, 1997**

	Population	Land Area in Square Miles	Population per Square Mile	Number of Households	Percent Change in Number of Households 1996-1997
State of Minnesota	4,685,549	79,617	58.9	1,809,628	1.3
Nobles	19,730	716	27.6	8,091	0.4
Norman	7,717	876	8.8	3,123	-0.1
Olmsted	114,619	653	175.5	44,891	1.7
Otter Tail	54,222	1,980	27.4	21,307	1.5
Pennington	13,547	617	22.0	5,441	1.0
Pine	23,574	1,411	16.7	8,718	1.5
Pipestone	10,083	466	21.6	4,113	0.3
Polk	32,091	1,971	16.3	12,333	0.2
Pope	10,902	670	16.3	4,316	0.7
Ramsey	484,354	156	3,104.8	198,370	0.4
Red Lake	4,344	432	10.1	1,752	1.1
Redwood	16,656	880	18.9	6,706	0.2
Renville	17,066	983	17.4	6,835	0.1
Rice	53,590	498	107.6	18,222	1.8
Rock	9,889	483	20.5	3,886	0.8
Roseau	16,302	1,663	9.8	6,037	1.1
St. Louis	194,989	6,226	31.3	80,979	0.6
Scott	76,078	357	213.1	25,650	5.1
Sherburne	57,867	437	132.4	18,727	5.8
Sibley	14,575	589	24.7	5,580	0.9
Stearns	127,540	1,345	94.8	44,861	2.1
Steele	31,531	430	73.3	12,289	1.5
Stevens	10,138	562	18.0	3,941	1.2
Swift	10,826	744	14.6	4,338	1.1
Todd	23,967	942	25.4	9,022	0.8
Traverse	4,279	574	7.5	1,774	-0.6
Wabasha	20,748	525	39.5	7,808	1.1
Wadena	12,955	536	24.2	5,173	0.4
Waseca	18,168	423	43.0	6,949	0.6
Washington	191,548	392	488.6	65,136	3.2
Watonwan	11,742	435	27.0	4,622	0.2
Wilkin	7,367	752	9.8	2,822	0.3
Winona	48,262	626	77.1	18,048	0.8
Wright	83,156	661	125.8	28,171	3.5
Yellow Medicine	11,573	758	15.3	4,684	0.4

Sources: Population - U.S. Census Bureau: 2007 Census Estimates, www.census.gov; Number of Households - Minnesota State Demographer

Number of Households: The number of occupied houses, apartments, or other separate living quarters, in which the occupants live and eat separately from other persons in the building and to which they have direct access from outside the building or through a common hall.

Demographics Table 5: Selected Minnesota Socioeconomic Statistics by State and County

	Total Income per Capita, 1996	Unemployed Annual Average, 1997		Food Stamp Utilization - Avg Monthly 1997	WIC Participants - Unduplicated 1997	Percent - All Ages in Poverty 1997
		Number	Percent			
State of Minnesota	\$25,699	85,547	3.3	105,308	164,023	8.9
Aitkin	\$17,032	510	8.3	517	711	14.9
Anoka	\$22,951	4,482	2.6	4,062	8,496	5.3
Becker	\$18,161	986	7.4	971	1,630	14.6
Beltrami	\$17,025	1,196	6.2	1,898	2,981	18.9
Benton	\$18,762	826	4.3	644	1,471	8.5
Big Stone	\$19,216	105	3.8	146	334	13.7
Blue Earth	\$22,293	868	2.7	931	1,586	10.5
Brown	\$22,076	696	4.6	358	859	7.4
Carlton	\$18,435	937	6.2	760	1,369	10.3
Carver	\$27,838	763	2.1	332	798	3.7
Cass	\$17,083	855	7.4	723	1,670	15.3
Chippewa	\$22,581	304	4.3	212	685	9.7
Chisago	\$20,519	799	4.1	472	1,196	6.1
Clay	\$18,407	858	2.9	1,555	2,315	12.5
Clearwater	\$15,643	518	13.2	347	399	19.1
Cook	\$22,347	136	4.7	63	186	7.7
Cottonwood	\$21,210	282	4.7	236	532	11.0
Crow Wing	\$19,776	1,538	5.8	1,369	2,533	11.8
Dakota	\$27,488	4,037	2.0	3,286	7,106	4.6
Dodge	\$20,760	372	4.3	225	569	6.9
Douglas	\$20,137	614	3.8	542	1,329	9.4
Faribault	\$21,446	352	4.3	319	487	10.5
Fillmore	\$19,101	370	3.8	362	565	10.6
Freeborn	\$20,047	568	3.5	709	1,062	10.3
Goodhue	\$23,486	737	3.2	426	1,077	6.8
Grant	\$23,120	147	5.2	139	263	12.0
Hennepin	\$34,574	15,323	2.4	32,321	32,814	9.4
Houston	\$21,030	323	3.0	272	564	8.0
Hubbard	\$16,919	536	6.6	460	803	13.9
Isanti	\$19,761	616	4.1	433	1,115	7.3
Itasca	\$17,530	1,681	8.6	1,087	1,857	12.3
Jackson	\$20,650	207	3.5	157	369	9.5
Kanabec	\$16,365	551	7.7	302	610	12.5
Kandiyohi	\$21,640	723	3.4	980	2,264	11.2
Kittson	\$20,317	141	6.0	100	292	12.2
Koochiching	\$18,595	471	7.1	408	509	11.7
Lac Qui Parle	\$20,572	137	3.6	107	307	9.3
Lake	\$18,780	294	5.2	154	294	8.1
Lake of the Woods	\$18,768	110	4.4	48	199	9.1
Le Sueur	\$20,848	555	4.1	329	835	7.2
Lincoln	\$17,558	134	4.4	102	249	12.0
Lyon	\$22,791	474	3.2	426	1,112	9.2
McLeod	\$23,117	671	3.2	327	1,163	6.3
Mahnomen	\$16,568	230	9.6	232	474	20.5
Marshall	\$19,296	522	11.1	179	430	11.6
Martin	\$22,085	403	3.6	506	807	10.4
Meeker	\$19,252	503	5.3	322	992	8.6
Mille Lacs	\$17,903	680	7.5	566	1,165	12.6
Morrison	\$16,426	1,081	7.3	718	1,466	13.3
Mower	\$23,399	512	2.7	924	1,415	10.1
Murray	\$20,196	217	5.0	129	242	9.8
Nicollet	\$21,650	426	2.4	360	674	7.4

Demographics Table 5: Selected Minnesota Socioeconomic Statistics by State and County

	Total Income per Capita, 1996	Unemployed Annual Average, 1997		Food Stamp Utilization - Avg Monthly 1997	WIC Participants - Unduplicated 1997	Percent - All Ages in Poverty 1997
		Number	Percent			
State of Minnesota	\$25,699	85,547	3.3	105,308	164,023	8.9
Nobles	\$21,881	392	3.9	433	999	10.9
Norman	\$20,175	271	7.5	184	317	13.9
Olmsted	\$26,478	1,439	2.2	1,998	3,215	7.0
Otter Tail	\$19,271	1,387	5.0	1,024	1,924	11.4
Pennington	\$20,209	432	5.5	300	893	11.2
Pine	\$16,354	845	7.6	651	1,025	13.3
Pipestone	\$20,052	170	3.3	190	412	10.9
Polk	\$19,309	930	5.7	1,156	1,703	14.3
Pope	\$18,301	203	3.7	176	469	10.8
Ramsey	\$29,170	7,321	2.6	17,887	25,424	11.5
Red Lake	\$15,798	204	10.5	112	230	12.1
Redwood	\$22,210	283	3.2	222	681	9.1
Renville	\$22,383	361	4.4	294	909	10.9
Rice	\$20,314	937	3.3	693	1,783	7.9
Rock	\$21,706	122	2.5	104	256	7.9
Roseau	\$20,462	488	5.3	146	887	7.7
St. Louis	\$21,687	4,976	4.9	6,810	6,640	11.7
Scott	\$25,146	1,080	2.5	568	940	3.9
Sherburne	\$19,466	1,031	3.4	575	1,582	5.6
Sibley	\$20,025	309	4.6	157	716	9.1
Stearns	\$19,813	2,967	4.1	1,929	3,516	8.5
Steele	\$24,191	583	3.1	444	1,149	7.3
Stevens	\$21,504	161	2.9	191	291	9.8
Swift	\$21,277	227	4.0	247	649	12.3
Todd	\$15,391	667	7.0	680	1,283	15.0
Traverse	\$25,166	82	4.6	124	212	13.8
Wabasha	\$20,780	397	3.3	255	539	7.5
Wadena	\$16,837	381	5.9	445	804	16.2
Waseca	\$20,847	297	3.1	290	610	8.5
Washington	\$26,706	2,280	2.1	1,326	2,832	4.0
Watonwan	\$20,478	196	3.4	201	900	10.3
Wilkin	\$22,545	99	2.5	149	349	11.4
Winona	\$21,108	884	3.2	763	1,514	10.1
Wright	\$22,142	1,526	3.4	874	2,323	5.9
Yellow Medicine	\$21,440	242	4.6	159	518	9.7

Sources: Total Per Capita Income - MN State Demographer; Unemployment Annual Average - Minnesota Department of Economic Security; Food Stamps - Minnesota Department of Human Services; WIC - Minnesota Department of Health All Ages in Poverty - US Census, Small Area Income and Poverty Estimates (SAIPE)

Total Per Capital Income: These data were from the Minnesota State Demographer

Food Stamps: A Federal program which supplements the food-purchasing ability of low-income households through the distribution of coupons which can be used to purchase food for human consumption.

WIC Participants - Unduplicated Counts: The total number of pregnant, post-partum and nursing women, infants and children less than 5 years of age who received WIC vouchers. County level data are determined by combining unduplicated participants of all clinics within a county's boundaries. State total does not equal the sum of the counties because participants may move counties during the year.

Demographics Table 6: Aid to Families with Dependant Children -Medical Assistance (AFDC-MA) and General Assistance Medical Care (GAMC) Average Monthly Enrollment By State and County, 1997

	Number Enrolled in AFDC-MA by Age Group						Females 15-49 Years Enrolled in GAMC
	Under 1 Year	1-5 Years	6-14 Years	15-19 Years	15-19 Years Females	20-49 Years Females	
State of Minnesota	7,655	42,932	60,714	16,842	9,636	45,232	10,943
Aitkin	12	122	215	65	34	155	89
Anoka	288	1,920	2,307	635	378	2,147	448
Becker	61	300	562	163	96	385	147
Beltrami	169	932	1,501	408	235	984	260
Benton	43	230	265	80	53	267	82
Big Stone	5	31	32	14	10	39	22
Blue Earth	58	307	416	131	88	369	128
Brown	20	102	127	48	19	101	54
Carlton	49	241	398	88	56	297	87
Carver	23	141	171	55	35	163	43
Cass	52	317	618	177	102	356	122
Chippewa	7	64	89	18	10	72	18
Chisago	44	216	317	82	47	255	69
Clay	117	632	868	242	148	716	173
Clearwater	18	95	171	62	32	114	35
Cook	2	13	20	7	5	20	21
Cottonwood	11	64	80	37	15	65	36
Crow Wing	86	449	645	184	113	534	152
Dakota	252	1,636	2,036	519	302	1,911	291
Dodge	17	78	123	30	17	93	21
Douglas	30	169	178	54	37	190	71
Faribault	16	88	135	41	22	107	34
Fillmore	8	73	114	41	24	101	62
Freeborn	50	269	327	108	65	301	56
Goodhue	34	140	187	72	49	184	65
Grant	7	30	58	18	9	45	20
Hennepin	2,568	13,646	19,176	5,220	2,983	13,607	2,852
Houston	12	75	124	30	14	108	35
Hubbard	33	135	212	64	30	173	65
Isanti	39	189	213	60	33	213	62
Itasca	69	361	661	173	99	460	204
Jackson	11	55	94	29	17	63	20
Kanabec	20	111	173	49	27	129	37
Kandiyohi	65	371	478	177	100	382	114
Kittson	5	19	38	11	4	30	7
Koochiching	15	109	173	62	29	141	52
Lac Qui Parle	4	10	36	9	3	24	21
Lake	10	54	85	22	11	70	31
Lake of the Woods	3	12	11	7	3	12	10
Le Sueur	21	126	168	34	26	131	42
Lincoln	3	17	44	10	8	28	10
Lyon	19	158	191	62	30	166	42
McLeod	27	123	161	43	33	134	35
Mahnomen	27	125	189	50	30	115	22
Marshall	10	47	79	20	12	55	14
Martin	38	183	213	77	46	202	60
Meeker	14	81	109	39	20	97	41
Mille Lacs	37	262	364	99	53	280	66
Morrison	55	255	404	123	62	314	85
Mower	52	277	363	103	61	329	130

Demographics Table 6: Aid to Families with Dependant Children -Medical Assistance (AFDC-MA) and General Assistance Medical Care (GAMC) Average Monthly Enrollment By State and County, 1997

	Number Enrolled in AFDC-MA by Age Group						Females 15-49 Years Enrolled in GAMC
	Under 1 Year	1-5 Years	6-14 Years	15-19 Years	15-19 Years Females	20-49 Years Females	
State of Minnesota	7,655	42,932	60,714	16,842	9,636	45,232	10,943
Murray	3	18	24	6	2	26	17
Nicollet	27	139	154	55	34	180	49
Nobles	29	149	205	59	30	146	58
Norman	9	60	83	16	11	52	22
Olmsted	144	743	1,215	389	207	890	265
Otter Tail	46	271	404	124	79	325	142
Pennington	20	97	103	37	21	110	32
Pine	40	257	364	95	46	282	62
Pipestone	5	52	73	24	17	59	23
Polk	75	380	581	187	89	446	129
Pope	11	52	86	25	15	68	23
Ramsey	1,582	9,295	13,277	3,504	1,940	8,347	1,289
Red Lake	3	24	46	7	7	33	15
Redwood	15	61	98	29	19	68	23
Renville	18	98	141	49	29	98	39
Rice	52	289	351	80	48	303	78
Rock	3	33	46	8	7	33	13
Roseau	8	50	59	19	11	52	15
St. Louis	303	1,895	2,840	852	490	2,400	878
Scott	37	253	328	81	47	292	56
Sherburne	60	307	381	122	78	367	59
Sibley	13	72	88	25	16	66	25
Stearns	113	634	861	206	122	741	286
Steele	39	193	272	63	37	192	59
Stevens	1	32	47	14	8	44	25
Swift	10	51	78	23	10	65	19
Todd	38	208	346	117	74	272	71
Traverse	7	34	57	19	11	46	16
Wabasha	14	77	104	23	13	96	29
Wadena	26	118	189	59	36	148	68
Waseca	20	105	137	47	26	123	30
Washington	106	628	854	213	141	749	99
Watonwan	10	76	99	41	24	62	32
Wilkin	9	54	82	27	16	58	11
Winona	51	282	359	102	53	283	92
Wright	60	344	491	118	72	426	108
Yellow Medicine	8	40	70	20	13	51	19

Source: Minnesota Department of Human Services

AFDC-MA: Medical Assistance eligibility based on receipt of cash assistance from AFDC. Counts include both fee-for-service and HMO enrollees.

GAMC (General Assistance Medical Care): Most enrollees are eligible on a medical-only basis; fewer than one-third are eligible based on receipt of cash assistance from General Assistance. Counts include both fee-for-service and HMO enrollees.

**Demographics Table 7:
Minnesota Medical Assistance and MinnesotaCare Programs, Average Monthly Enrollment
By State and County, 1997**

	Number Enrolled in Medical Assistance					Number Enrolled in Minnesota Care				
	Under 1 Year	1-5 Years	6-14 Years	15-19 Years	20-49 Years Females	Under 1 Year	1-5 Years	6-14 Years	15-19 Years	20-49 Years Females
State of Minnesota	12,557	30,777	33,323	15,408	35,120	1,069	7,934	24,012	12,366	20,841
Aitkin	61	206	242	95	176	7	55	178	132	168
Anoka	817	1,756	1,644	726	1,733	50	414	1,120	521	1,008
Becker	145	371	445	174	295	15	83	352	228	291
Beltrami	185	423	544	242	468	14	112	350	190	330
Benton	113	287	293	101	275	8	60	153	70	139
Big Stone	26	76	55	33	55	3	29	111	60	65
Blue Earth	158	364	406	184	446	10	69	237	132	191
Brown	82	211	194	91	181	1	26	127	68	95
Carlton	84	272	313	133	281	5	55	191	104	199
Carver	101	230	196	92	203	9	80	193	65	165
Cass	88	272	357	155	241	14	100	351	171	314
Chippewa	63	148	142	66	109	4	36	112	64	85
Chisago	93	248	289	97	220	11	93	295	145	229
Clay	159	448	555	241	511	13	76	254	121	218
Clearwater	24	106	144	43	74	2	32	136	71	109
Cook	10	35	14	12	24	3	13	29	10	34
Cottonwood	48	125	148	59	116	6	36	101	46	70
Crow Wing	220	538	571	212	507	18	163	536	263	443
Dakota	533	1,183	1,242	521	1,375	47	388	978	436	925
Dodge	56	132	115	53	91	4	27	91	43	62
Douglas	99	257	275	112	239	11	88	320	178	242
Faribault	51	148	153	81	143	5	29	123	61	90
Fillmore	74	192	217	79	152	4	46	152	86	127
Freeborn	83	243	292	130	264	6	50	189	109	174
Goodhue	93	229	227	97	251	8	45	170	85	153
Grant	26	64	70	28	47	1	16	72	51	64
Hennepin	2,293	5,241	6,077	3,350	8,374	180	1,241	3,174	1,460	3,107
Houston	39	131	150	62	113	4	21	106	60	74
Hubbard	54	192	235	95	161	7	75	264	155	210
Isanti	91	240	249	93	215	9	87	264	118	218
Itasca	160	487	609	246	492	21	114	429	258	487
Jackson	40	83	94	52	78	2	28	61	50	59
Kanabec	55	140	202	68	162	7	39	124	81	101
Kandiyohi	214	500	472	203	402	17	126	381	214	279
Kittson	18	43	34	19	35	0	9	37	21	23
Koochiching	38	111	119	70	122	7	57	123	74	141
Lac Qui Parle	39	88	112	35	76	2	24	89	59	67
Lake	26	70	88	40	86	6	27	79	39	88
Lake of the Woods	14	36	59	18	29	3	23	55	29	57
Le Sueur	70	198	206	93	164	2	37	111	54	80
Lincoln	28	54	56	28	59	3	26	82	52	58
Lyon	128	264	217	111	231	4	51	156	109	136
McLeod	104	208	191	87	213	9	46	127	57	111
Mahnomen	29	95	74	41	61	2	10	33	28	28
Marshall	38	91	92	46	71	5	19	132	68	86
Martin	73	195	253	86	185	10	42	136	75	116
Meeker	78	202	180	82	162	9	58	202	102	127
Mille Lacs	93	168	192	101	189	6	59	199	111	175
Morrison	111	291	286	121	266	17	121	461	240	322
Mower	150	387	418	201	418	3	57	199	110	198

**Demographics Table 7:
Minnesota Medical Assistance and MinnesotaCare Programs, Average Monthly Enrollment
By State and County, 1997**

	Number Enrolled in Medical Assistance					Number Enrolled in Minnesota Care				
	Under 1 Year	1-5 Years	6-14 Years	15-19 Years	20-49 Years Females	Under 1 Year	1-5 Years	6-14 Years	15-19 Years	20-49 Years Females
State of Minnesota	12,557	30,777	33,323	15,408	35,120	1,069	7,934	24,012	12,366	20,841
Murray	32	85	81	22	50	4	19	73	44	63
Nicollet	71	190	171	74	161	2	31	90	49	76
Nobles	104	261	214	89	197	3	37	133	67	86
Norman	24	75	110	43	54	2	23	95	65	80
Olmsted	338	763	666	359	803	18	119	406	189	363
Otter Tail	212	568	517	207	474	25	161	671	390	493
Pennington	50	126	126	58	111	3	28	103	92	97
Pine	79	200	269	116	217	10	79	235	134	197
Pipestone	40	98	113	51	82	4	37	94	52	65
Polk	107	317	378	205	322	14	102	277	145	244
Pope	32	92	143	41	79	2	33	147	85	95
Ramsey	1,231	3,164	3,637	1,747	4,472	131	838	2,012	937	1,867
Red Lake	15	49	50	24	38	2	12	83	51	58
Redwood	64	156	165	54	134	3	37	168	74	108
Renville	79	218	206	99	128	4	50	162	83	106
Rice	167	370	381	158	360	7	61	208	113	176
Rock	24	69	84	26	67	1	16	74	46	48
Roseau	56	136	117	49	89	3	27	89	67	61
St. Louis	549	1,449	1,666	866	2,216	50	338	1,055	609	1,173
Scott	132	268	278	113	280	7	89	237	87	200
Sherburne	129	284	264	133	261	18	110	279	112	233
Sibley	58	103	118	53	87	2	15	76	42	53
Stearns	307	797	804	354	879	23	185	514	285	466
Steele	111	269	261	119	227	3	38	132	51	105
Stevens	33	50	52	26	63	2	18	74	42	57
Swift	65	119	97	34	99	7	52	151	78	97
Todd	92	233	265	105	201	9	94	308	215	218
Traverse	20	56	49	24	34	1	14	62	36	32
Wabasha	44	128	140	70	131	3	26	102	48	76
Wadena	67	186	181	99	169	10	70	185	141	169
Waseca	73	138	130	61	111	5	21	69	49	71
Washington	201	496	602	245	637	28	226	616	234	492
Watonwan	97	180	163	66	122	3	17	89	44	49
Wilkin	20	59	61	33	57	2	11	63	26	45
Winona	129	346	340	127	343	7	59	230	119	186
Wright	187	498	509	221	434	33	190	564	261	416
Yellow Medicine	43	100	107	37	84	2	29	140	68	82

Source: Minnesota Department of Human Services

Medical Assistance: This category excludes AFDC-MA enrollees. Enrollees over age 21 may be eligible as parents or based on disability. Those eligible as disabled may be SSI recipients. Counts include both fee-for-service and HMO enrollees and non-citizen Medical Assistance recipients.

MinnesotaCare: MinnesotaCare children and pregnant women are Medicaid eligible under a waiver. MinnesotaCare coverage is provided under HMO arrangements.

**Demographics Table 8: Selected Education Statistics by State and County
1997-98 School Year, October 1, 1997**

	School Enrollment	Students who Receive Special Education	
		Number	Percent
State of Minnesota	933,439	106,898	11.5
Aitkin	2,564	265	10.3
Anoka	67,455	7,387	11.0
Becker	5,319	784	14.7
Beltrami	8,823	1,106	12.5
Benton	5,746	701	12.2
Big Stone	1,297	180	13.9
Blue Earth	11,671	1,340	11.5
Brown	6,656	483	7.3
Carlton	6,879	780	11.3
Carver	12,819	1,432	11.2
Cass	5,072	791	15.6
Chippewa	2,655	358	13.5
Chisago	8,049	840	10.4
Clay	9,932	1,469	14.8
Clearwater	1,827	217	11.9
Cook	748	81	10.8
Cottonwood	2,247	333	14.8
Crow Wing	10,629	1,166	11.0
Dakota	75,671	9,143	12.1
Dodge	4,170	465	11.2
Douglas	6,190	736	11.9
Faribault	3,174	451	14.2
Fillmore	3,687	447	12.1
Freeborn	5,279	700	13.3
Goodhue	9,585	1,145	11.9
Grant	1,577	195	12.4
Hennepin	173,898	18,791	10.8
Houston	4,042	367	9.1
Hubbard	2,775	417	15.0
Isanti	6,013	486	8.1
Itasca	8,688	1,155	13.3
Jackson	2,050	241	11.8
Kanabec	2,853	254	8.9
Kandiyohi	6,988	789	11.3
Kittson	1,214	145	11.9
Koochiching	2,575	333	12.9
Lac Qui Parle	2,323	310	13.3
Lake	2,282	289	12.7
Lake of the Woods	901	85	9.4
Le Sueur	5,833	809	13.9
Lincoln	1,147	145	12.6
Lyon	5,614	641	11.4
McLeod	7,092	611	8.6
Mahnomen	1,772	289	16.3
Marshall	1,924	230	12.0
Martin	4,660	567	12.2
Meeker	6,646	789	11.9
Mille Lacs	6,835	731	10.7
Morrison	6,629	864	13.0

**Demographics Table 8: Selected Education Statistics by State and County
1997-98 School Year, October 1, 1997**

	School Enrollment	Students who Receive Special Education	
		Number	Percent
State of Minnesota	933,439	106,898	11.5
Mower	6,640	889	13.4
Murray	1,662	180	10.8
Nicollet	2,724	384	14.1
Nobles	4,104	440	10.7
Norman	1,470	147	10.0
Olmsted	23,931	2,333	9.7
Otter Tail	9,773	1,275	13.0
Pennington	2,654	417	15.7
Pine	4,137	478	11.6
Pipestone	2,523	270	10.7
Polk	6,606	774	11.7
Pope	2,053	265	12.9
Ramsey	102,287	10,950	10.7
Red Lake	981	100	10.2
Redwood	4,085	559	13.7
Renville	2,957	331	11.2
Rice	9,697	1,390	14.3
Rock	1,801	198	11.0
Roseau	3,929	592	15.1
St. Louis	34,551	4,360	12.6
Scott	14,285	1,498	10.5
Sherburne	13,156	1,394	10.6
Sibley	2,829	228	8.1
Stearns	29,917	3,534	11.8
Steele	6,976	775	11.1
Stevens	1,766	251	14.2
Swift	1,916	260	13.6
Todd	5,441	716	13.2
Traverse	626	115	18.4
Wabasha	4,436	543	12.2
Wadena	3,508	469	13.4
Waseca	4,547	686	15.1
Washington	36,835	3,775	10.2
Watsonwan	2,453	289	11.8
Wilkin	1,630	210	12.8
Winona	8,473	928	11.0
Wright	19,199	2,174	11.3
Yellow Medicine	2,406	388	16.1

Source: Minnesota Department of Children, Families and Learning

Students Receiving Special Education Services: Unduplicated counts of children age 0-20 years receiving special education services provided by the public school system.

Section B: Natality

Tables

Table 1: Selected Natality and Mortality

Table 2: Prematurity and Low Birth Weight, Singletons

Table 3: Infant Mortality

Table 4: Prenatal Care

Table 5: Cesarean Births

Table 6: Fertility and Family Planning

Table 7: Teen Birth and Pregnancy Rates

Table 8: Socio-Demographic Factors

Tables 9: Race and Ethnicity of Mother

**Natality Table 1: Selected Minnesota Natality Statistics
By State and County, 1997**

	Number of Births	Fertility Rate	Birth Rate	Number of Deaths	Death Rate	Natural Rate of Increase
State of Minnesota	64,491	61.2	13.8	36,879	7.9	5.9
Aitkin	151	70.0	10.9	202	14.6	-3.7
Anoka	4,234	60.7	14.8	1,213	4.2	10.5
Becker	391	71.7	13.4	319	10.9	2.5
Beltrami	560	64.0	14.5	324	8.4	6.1
Benton	484	63.3	14.4	293	8.7	5.7
Big Stone	60	66.4	10.5	92	16.2	-5.6
Blue Earth	580	43.5	10.7	412	7.6	3.1
Brown	290	53.6	10.7	277	10.2	0.5
Carlton	350	58.8	11.4	290	9.4	2.0
Carver	1,029	70.5	16.3	347	5.5	10.8
Cass	259	59.1	10.1	291	11.3	-1.2
Chippewa	160	69.2	12.3	166	12.8	-0.5
Chisago	599	72.9	15.2	273	6.9	8.3
Clay	619	48.0	11.9	376	7.3	4.7
Clearwater	95	68.2	11.6	104	12.7	-1.1
Cook	43	45.1	9.1	30	6.3	2.7
Cottonwood	144	69.8	11.7	166	13.5	-1.8
Crow Wing	581	59.4	11.4	483	9.5	1.9
Dakota	5,126	61.0	15.3	1,549	4.6	10.7
Dodge	248	70.9	14.6	128	7.5	7.1
Douglas	339	59.4	11.0	319	10.4	0.7
Faribault	160	59.0	9.7	229	13.9	-4.2
Fillmore	230	63.7	11.1	238	11.5	-0.4
Freeborn	344	59.9	10.9	382	12.1	-1.2
Goodhue	504	59.8	11.8	416	9.7	2.1
Grant	61	63.4	9.9	105	17.1	-7.2
Hennepin	15,459	59.6	14.7	8,018	7.6	7.1
Houston	205	54.2	10.7	154	8.0	2.7
Hubbard	175	59.2	10.4	172	10.3	0.2
Isanti	339	53.9	11.5	227	7.7	3.8
Itasca	451	52.9	10.4	419	9.6	0.7
Jackson	117	56.2	10.0	150	12.8	-2.8
Kanabec	151	55.2	10.8	136	9.7	1.1
Kandiyohi	552	65.9	13.4	367	8.9	4.5
Kittson	62	69.3	11.6	75	14.0	-2.4
Koochiching	148	50.1	9.4	150	9.6	-0.1
Lac Qui Parle	94	74.0	11.6	128	15.8	-4.2
Lake	115	60.9	10.7	121	11.3	-0.6
Lake of the Woods	33	40.4	7.3	36	7.9	-0.7
Le Sueur	318	66.9	12.8	190	7.6	5.1
Lincoln	61	62.3	9.3	93	14.2	-4.9
Lyon	341	66.4	13.9	227	9.3	4.6
McLeod	509	75.8	15.1	293	8.7	6.4
Mahnomen	75	83.5	14.7	56	11.0	3.7

**Nativity Table 1: Selected Minnesota Natality Statistics
By State and County, 1997**

	Number of Births	Fertility Rate	Birth Rate	Number of Deaths	Death Rate	Natural Rate of Increase
State of Minnesota	64,491	61.2	13.8	36,879	7.9	5.9
Marshall	112	61.6	10.6	123	11.7	-1.0
Martin	239	59.3	10.7	247	11.1	-0.4
Meeker	265	67.2	12.3	230	10.7	1.6
Mille Lacs	250	65.1	12.1	238	11.5	0.6
Morrison	408	72.2	13.4	315	10.3	3.0
Mower	430	65.2	11.6	423	11.4	0.2
Murray	104	67.2	10.9	100	10.5	0.4
Nicollet	333	46.7	11.1	171	5.7	5.4
Nobles	298	82.3	15.1	198	10.0	5.1
Norman	83	67.7	10.8	110	14.3	-3.5
Olmsted	1,783	65.9	15.6	694	6.1	9.5
Otter Tail	589	62.0	10.9	594	11.0	-0.1
Pennington	168	63.5	12.4	119	8.8	3.6
Pine	262	63.4	11.1	217	9.2	1.9
Pipestone	113	63.1	11.2	112	11.1	0.1
Polk	392	65.5	12.2	413	12.9	-0.7
Pope	120	68.2	11.0	169	15.5	-4.5
Ramsey	7,435	63.7	15.4	4,085	8.4	6.9
Red Lake	36	48.3	8.3	60	13.8	-5.5
Redwood	207	72.9	12.4	215	12.9	-0.5
Renville	203	71.9	11.9	202	11.8	0.1
Rice	692	55.1	12.9	419	7.8	5.1
Rock	117	67.9	11.8	106	10.7	1.1
Roseau	272	85.3	16.7	146	9.0	7.7
St. Louis	2,003	50.1	10.3	2,186	11.2	-0.9
Scott	1,342	75.6	17.6	336	4.4	13.2
Sherburne	958	70.1	16.6	339	5.9	10.7
Sibley	217	86.0	14.9	154	10.6	4.3
Stearns	1,624	54.0	12.7	715	5.6	7.1
Steele	419	65.4	13.3	252	8.0	5.3
Stevens	104	44.6	10.3	93	9.2	1.1
Swift	140	82.6	12.9	140	12.9	0.0
Todd	287	68.4	12.0	241	10.1	1.9
Traverse	54	86.8	12.6	66	15.4	-2.8
Wabasha	225	56.1	10.8	219	10.6	0.3
Wadena	156	69.2	12.0	148	11.4	0.6
Waseca	249	70.0	13.7	167	9.2	4.5
Washington	2,686	59.2	14.0	851	4.4	9.6
Watowan	185	91.0	15.8	129	11.0	4.8
Wilkin	107	81.9	14.5	79	10.7	3.8
Winona	585	50.9	12.1	404	8.4	3.8
Wright	1,258	69.4	15.1	467	5.6	9.5
Yellow Medicine	134	72.2	11.6	146	12.6	-1.0

Source: Minnesota Department of Health, Center for Health Statistics and the US Census.

Fertility Rate: The number of live births per 1,000 women in the population of age 15 - 44 years.

Birth Rate: The number of live births per 1,000 population.

Death Rate: The number of deaths per 1,000 population

Natural Rate of Increase: The percent change in the population due to the difference in the birth rate and death rate.

**Nativity Table 2: Prematurity and Low Birth Weight of Singleton Births in Minnesota
By State and County, 1997**

	Preterm Births		Low Birth Weight		Percent Very Low Birth Weight 1995-1997	Percent Small for Gestational Age
	Number	Percent	Number	Percent		
State of Minnesota	4,135	7.3	2,766	4.4	0.8	3.2
Aitkin	10	7.5	9	6.4	0.7	4.5
Anoka	251	6.6	171	4.2	0.7	2.9
Becker	32	9.3	21	5.5	0.9	3.5
Beltrami	39	8.6	30	5.5	1.1	2.6
Benton	29	6.2	17	3.6	0.6	3.9
Big Stone	5	8.6	2	3.3	0.0	3.4
Blue Earth	38	7.1	17	3.0	0.8	3.2
Brown	19	6.9	12	4.3	1.2	3.3
Carlton	22	6.9	14	4.2	1.0	3.7
Carver	67	7.1	38	3.8	0.7	2.3
Cass	18	8.2	11	4.4	0.5	5.0
Chippewa	6	3.9	5	3.2	1.4	5.2
Chisago	42	8.0	29	5.0	0.4	4.4
Clay	45	7.7	25	4.2	0.9	3.6
Clearwater	9	11.3	8	8.4	1.0	1.3
Cook	2	4.7	0	0.0	0.0	0.0
Cottonwood	11	8.0	7	5.0	0.5	1.5
Crow Wing	40	7.1	25	4.4	0.3	2.9
Dakota	305	6.8	199	4.0	0.7	2.9
Dodge	13	6.2	7	2.9	0.3	3.3
Douglas	20	6.2	8	2.5	0.9	1.9
Faribault	16	11.2	7	4.5	0.4	2.1
Fillmore	10	5.7	9	4.1	0.1	2.3
Freeborn	23	7.5	15	4.5	0.6	2.9
Goodhue	27	6.3	21	4.3	1.0	4.2
Grant	1	1.7	2	3.4	0.5	3.5
Hennepin	1,000	7.7	748	5.0	1.0	3.3
Houston	8	4.0	5	2.5	0.5	1.5
Hubbard	10	7.4	6	3.5	0.8	3.7
Isanti	24	7.5	16	4.8	0.9	3.4
Itasca	16	4.2	14	3.2	0.6	2.7
Jackson	11	10.0	4	3.5	0.0	3.6
Kanabec	9	6.4	8	5.4	0.7	2.9
Kandiyohi	32	6.3	24	4.6	0.8	3.4
Kittson	3	5.7	3	5.2	0.6	9.6
Koochiching	9	10.6	6	4.2	0.5	4.7
Lac Qui Parle	5	5.7	2	2.3	0.4	1.2
Lake	4	3.6	4	3.5	0.7	4.6
Lake of the Woods	1	3.4	0	0.0	0.0	0.0
Le Sueur	26	9.8	14	4.6	0.7	4.5
Lincoln	2	3.5	3	4.9	1.4	3.5
Lyon	30	10.0	16	4.8	0.5	1.7
McLeod	26	5.4	12	2.5	1.2	1.9
Mahnomen	4	6.0	1	1.4	0.4	3.0
Marshall	8	7.7	2	1.9	0.9	2.9
Martin	21	9.3	16	6.8	0.7	4.8
Meeker	23	9.7	11	4.3	0.4	2.1
Mille Lacs	18	7.7	12	4.9	1.3	3.4
Morrison	26	6.6	15	3.8	0.6	3.6
Mower	27	6.9	22	5.4	0.7	5.6
Murray	8	8.8	3	3.2	0.0	3.3

**Nativity Table 2: Prematurity and Low Birth Weight of Singleton Births in Minnesota
By State and County, 1997**

	Preterm Births		Low Birth Weight		Percent Very Low Birth Weight 1995-1997	Percent Small for Gestational Age
	Number	Percent	Number	Percent		
State of Minnesota	4,135	7.3	2,766	4.4	0.8	3.2
Nicollet	21	7.0	15	4.6	0.7	3.0
Nobles	25	9.0	12	4.0	0.2	4.3
Norman	5	6.8	2	2.6	0.0	1.4
Olmsted	115	7.6	76	4.5	0.7	3.1
Otter Tail	48	8.9	24	4.1	0.7	1.5
Pennington	15	9.5	7	4.4	1.6	4.5
Pine	15	6.3	8	3.2	0.3	3.8
Pipestone	8	7.4	3	2.7	0.9	2.8
Polk	35	9.7	16	4.2	0.6	2.8
Pope	7	6.0	3	2.6	0.0	1.7
Ramsey	442	7.2	354	4.9	0.9	4.2
Red Lake	1	2.9	0	0.0	0.8	2.9
Redwood	12	5.9	5	2.4	0.5	1.0
Renville	25	13.2	10	5.1	1.2	4.2
Rice	55	8.4	35	5.2	0.7	3.4
Rock	9	8.5	1	0.9	0.6	0.9
Roseau	14	5.3	11	4.1	0.8	4.2
St. Louis	151	8.3	92	4.7	0.9	3.3
Scott	92	7.9	41	3.2	0.6	2.0
Sherburne	62	7.0	37	4.0	0.6	2.6
Sibley	16	7.9	8	3.8	0.9	2.5
Stearns	105	6.8	75	4.7	0.9	3.2
Steele	28	7.3	25	6.1	0.8	3.2
Stevens	5	5.1	1	1.0	0.7	2.0
Swift	6	4.6	6	4.3	0.3	4.6
Todd	16	6.0	8	2.9	0.8	2.3
Traverse	2	3.8	0	0.0	1.4	1.9
Wabasha	11	5.9	10	4.6	0.6	2.1
Wadena	6	4.3	6	4.2	0.7	2.9
Waseca	15	6.6	11	4.5	1.0	2.2
Washington	173	7.3	112	4.3	0.6	2.9
Watsonwan	9	5.4	3	1.7	0.4	1.2
Wilkin	7	7.1	7	6.8	0.4	3.1
Winona	35	8.4	24	4.3	0.4	2.9
Wright	84	7.6	44	3.6	0.6	2.7
Yellow Medicine	9	7.3	2	1.5	1.1	1.6

Source: Minnesota Department of Health, Center for Health Statistics.

Preterm Births: Live births of babies who are less than 37 weeks gestation at birth.

Low Birth Weight Births: Live births who are less than 2500 grams at birth.

Very Low Birth Weight Births: Live births who are born weighing less than 1500 grams.

**Nativity Table 3: Minnesota Infant Mortality by State and County,
By State and County, 1993-1997**

	Number of Infant Deaths 1997	Infant Mortality Rate 1993-1997	Neonatal Mortality 1993-1997	Post-neonatal Mortality Rate 1993-1997	Fetal Death Rate 1993-1997	Perinatal Death Rate 1993-1997
State of Minnesota	383	6.6	4.1	2.5	5.5	7.5
Aitkin	1	*	*	*	*	*
Anoka	25	6.4	3.6	2.8	5.2	6.7
Becker	1	*	*	*	*	*
Beltrami	7	11.1	*	*	11.7	15.4
Benton	4	*	*	*	*	*
Big Stone	0	*	*	*	*	*
Blue Earth	6	10.4	8.1	*	*	10.0
Brown	3	*	*	*	*	*
Carlton	2	*	*	*	*	*
Carver	5	4.4	*	*	*	4.8
Cass	1	*	*	*	*	*
Chippewa	2	*	*	*	*	*
Chisago	5	*	*	*	*	*
Clay	5	*	*	*	*	*
Clearwater	0	*	*	*	*	*
Cook	0	*	*	*	*	*
Cottonwood	1	*	*	*	*	*
Crow Wing	3	7.7	*	*	*	7.0
Dakota	23	4.8	3.3	1.5	5.8	7.0
Dodge	1	*	*	*	*	*
Douglas	1	*	*	*	*	*
Faribault	2	*	*	*	*	*
Fillmore	2	*	*	*	*	*
Freeborn	1	*	*	*	*	*
Goodhue	6	10.7	*	*	*	12.2
Grant	0	*	*	*	*	*
Hennepin	115	8.3	5.3	3.0	6.3	8.9
Houston	1	*	*	*	*	*
Hubbard	0	*	*	*	*	*
Isanti	5	*	*	*	*	*
Itasca	1	*	*	*	*	10.3
Jackson	0	*	*	*	*	*
Kanabec	2	*	*	*	*	*
Kandiyohi	2	10.4	*	*	*	8.1
Kittson	0	*	*	*	*	*
Koochiching	1	*	*	*	*	*
Lac Qui Parle	0	*	*	*	*	*
Lake	0	*	*	*	*	*
Lake of the Woods	0	*	*	*	*	*
Le Sueur	0	*	*	*	*	*
Lincoln	0	*	*	*	*	*
Lyon	1	*	*	*	*	*
McLeod	3	*	*	*	*	*
Mahnomen	2	*	*	*	*	*
Marshall	2	*	*	*	*	*
Martin	0	*	*	*	*	*
Meeker	2	*	*	*	*	*
Mille Lacs	2	*	*	*	*	*
Morrison	2	*	*	*	*	*

**Nativity Table 3: Minnesota Infant Mortality by State and County,
By State and County, 1993-1997**

	Number of Infant Deaths 1997	Infant Mortality Rate 1993-1997	Neonatal Mortality 1993-1997	Post-neonatal Mortality Rate 1993-1997	Fetal Death Rate 1993-1997	Perinatal Death Rate 1993-1997
State of Minnesota	383	6.6	4.1	2.5	5.5	7.5
Mower	4	*	*	*	*	10.1
Murray	0	*	*	*	*	*
Nicollet	2	*	*	*	*	*
Nobles	3	*	*	*	*	*
Norman	0	*	*	*	*	*
Olmsted	9	5.4	3.1	2.3	4.4	6.2
Otter Tail	0	*	*	*	*	7.1
Pennington	1	*	*	*	*	*
Pine	2	*	*	*	*	*
Pipestone	0	*	*	*	*	*
Polk	3	*	*	*	*	*
Pope	0	*	*	*	*	*
Ramsey	49	7.2	4.6	2.6	5.3	7.5
Red Lake	0	*	*	*	*	*
Redwood	1	*	*	*	*	*
Renville	0	*	*	*	*	*
Rice	2	*	*	*	*	7.6
Rock	2	*	*	*	*	*
Roseau	2	*	*	*	*	*
St. Louis	6	6.5	4.1	2.3	5.6	8.3
Scott	3	5.1	3.7	*	5.4	7.4
Sherburne	5	5.0	*	*	*	6.9
Sibley	2	*	*	*	*	*
Stearns	8	5.9	4.1	*	4.0	6.7
Steele	2	*	*	*	*	*
Stevens	1	*	*	*	*	*
Swift	0	*	*	*	*	*
Todd	0	*	*	*	*	*
Traverse	0	*	*	*	*	*
Wabasha	3	*	*	*	*	*
Wadena	0	*	*	*	*	*
Waseca	0	*	*	*	*	*
Washington	7	4.3	3.2	*	3.9	5.5
Watsonwan	0	*	*	*	*	*
Wilkin	3	*	*	*	*	*
Winona	6	*	*	*	*	*
Wright	7	5.2	*	*	5.2	6.5
Yellow Medicine	1	*	*	*	*	*

Source: Minnesota Department of Health, Center for Health Statistics

*Rate not calculated for less than 20 events

Infant Mortality Rate: Number of infant deaths under one year of age per 1,000 live births.

Neonatal Death Rate: Number of infants dying under 28 days of age per 1,000 live births.

Postneonatal Mortality Rate: The number of infant deaths aged 28 days to one year per 1,000 live births.

Fetal Mortality Rate: The number of fetal deaths (deaths prior to the complete expulsion or extraction of a product of conception from its mother, irrespective of the duration of pregnancy, only fetal deaths of 20 weeks or more are reported) per 1,000 live births plus fetal deaths.

Perinatal Mortality Rate: The number of fetal deaths of 20 weeks or greater plus the number of deaths to infants 0-6 days per 1000 live births plus fetal deaths of 20 weeks or greater.

**Nativity Table 4: Prenatal Care in Minnesota
By State and County, 1997**

	Percent of Prenatal Care Received in 1st Trimester	Percent Adequacy of Prenatal Care, GINDEX		
		Adequate or Better	Intermediate	Inadequate or None
State of Minnesota	84.1	77.1	18.8	4.1
Aitkin	88.7	81.3	14.9	3.7
Anoka	84.3	76.9	20.1	3.0
Becker	80.7	74.8	20.5	4.7
Beltrami	70.8	53.3	34.2	12.5
Benton	88.4	87.8	10.9	1.3
Big Stone	80.0	81.0	15.5	3.4
Blue Earth	91.0	87.4	11.3	1.4
Brown	78.8	74.1	22.4	3.5
Carlton	86.7	77.5	20.6	1.9
Carver	90.0	84.3	13.4	2.3
Cass	76.3	62.1	28.3	9.6
Chippewa	85.4	73.0	23.7	3.3
Chisago	86.1	79.1	17.8	3.1
Clay	79.9	71.0	24.0	5.0
Clearwater	78.5	58.8	36.3	5.0
Cook	78.6	78.6	19.0	2.4
Cottonwood	87.7	87.2	10.5	2.3
Crow Wing	87.3	81.6	15.9	2.5
Dakota	87.9	73.5	23.2	3.3
Dodge	84.8	80.4	15.6	4.0
Douglas	90.5	88.9	10.5	0.6
Faribault	86.4	79.6	17.6	2.8
Fillmore	88.1	79.1	16.0	4.9
Freeborn	80.1	68.5	25.2	6.3
Goodhue	84.5	82.2	14.2	3.6
Grant	86.7	73.7	22.8	3.5
Hennepin	82.5	78.4	16.5	5.1
Houston	88.3	86.3	11.7	2.0
Hubbard	70.7	45.8	50.4	3.8
Isanti	77.9	69.5	26.7	3.8
Itasca	88.1	73.5	21.8	4.7
Jackson	84.2	83.0	16.0	0.9
Kanabec	81.0	74.5	17.5	8.0
Kandiyohi	83.7	78.5	17.1	4.4
Kittson	81.7	61.5	34.6	3.8
Koochiching	89.2	78.3	19.3	2.4
Lac Qui Parle	83.9	74.7	23.0	2.3
Lake	82.1	74.1	20.4	5.6
Lake of the Woods	87.1	69.0	24.1	6.9
Le Sueur	81.8	76.8	19.2	4.0
Lincoln	86.4	78.9	17.5	3.5
Lyon	79.2	57.8	37.2	5.1
McLeod	85.5	80.5	16.3	3.2
Mahnomen	78.4	71.2	21.2	7.6
Marshall	74.3	63.4	32.7	4.0
Martin	82.8	81.7	16.5	1.8
Meeker	83.3	71.9	22.6	5.5
Mille Lacs	84.3	75.1	20.1	4.8
Morrison	88.6	83.8	14.1	2.1
Mower	82.3	69.3	27.6	3.1
Murray	82.5	78.9	20.0	1.1
Nicollet	90.5	87.5	11.1	1.4

**Nativity Table 4: Prenatal Care in Minnesota
By State and County, 1997**

	Percent of Prenatal Care Received in 1st Trimester	Percent Adequacy of Prenatal Care, GINDEX		
		Adequate or Better	Intermediate	Inadequate or None
State of Minnesota	84.1	77.1	18.8	4.1
Nobles	80.6	83.3	13.5	3.3
Norman	86.6	68.5	26.0	5.5
Olmsted	86.8	77.7	17.8	4.5
Otter Tail	80.9	73.0	21.4	5.6
Pennington	75.9	57.7	37.2	5.1
Pine	74.3	68.4	24.9	6.8
Pipestone	90.1	83.5	10.7	5.8
Polk	73.1	53.6	41.1	5.3
Pope	87.5	82.1	13.7	4.3
Ramsey	78.0	72.2	21.6	6.2
Red Lake	66.7	37.1	57.1	5.7
Redwood	87.9	78.6	18.4	3.1
Renville	87.1	75.3	20.4	4.3
Rice	82.1	76.7	19.6	3.7
Rock	86.5	87.4	10.7	1.9
Roseau	83.7	79.8	18.3	1.9
St. Louis	86.9	77.4	18.7	3.9
Scott	87.9	70.5	25.4	4.1
Sherburne	89.4	84.1	14.5	1.4
Sibley	78.9	72.1	23.9	4.1
Stearns	89.9	88.7	10.1	1.3
Steele	84.6	82.5	13.5	4.0
Stevens	78.8	67.7	26.3	6.1
Swift	86.2	77.9	20.6	1.5
Todd	76.8	68.2	25.4	6.4
Traverse	79.2	78.8	19.2	1.9
Wabasha	83.9	78.0	18.6	3.4
Wadena	82.1	69.3	24.8	5.8
Waseca	89.7	86.5	9.9	3.6
Washington	91.2	85.9	12.4	1.7
Watonwan	71.6	62.3	29.0	8.6
Wilkin	90.2	74.0	22.9	3.1
Winona	89.5	85.6	11.9	2.5
Wright	89.3	84.4	13.1	2.5
Yellow Medicine	87.1	69.7	28.7	1.6

Source: Minnesota Department of Health, Center for Health Statistics

GINDEX: A prenatal care index determined by combining measures of the month or trimester prenatal care began, the number of prenatal visits, and the gestational age of the infant/fetus at the time of birth. The GINDEX includes gestational age over 36 weeks, and number of prenatal visits greater than nine to impute adequacy of prenatal care.

Adequate or Better: Prenatal care started in the 1st trimester *and* the woman had an adequate number of visits.

Intermediate: Prenatal care started in the 1st or 2nd trimester *and* the woman had an intermediate range of visits.

Inadequate or None: No prenatal care or the prenatal care started in the 3rd trimester *or* the woman had an inadequate range of visits, regardless of when prenatal care began.

**Natality Table 5: Cesarean Births in Minnesota
By State and County, 1997**

	Cesarean Births - Percent	First Time Cesarean Births - Percent	Repeat Cesarean - Percent
State of Minnesota	16.5	10.8	65.5
Aitkin	27.2	18.5	68.4
Anoka	17.1	11.1	69.0
Becker	19.4	12.0	85.3
Beltrami	16.8	10.7	69.4
Benton	14.3	10.7	43.6
Big Stone	38.3	26.7	87.5
Blue Earth	20.3	13.8	61.3
Brown	25.9	11.7	85.4
Carlton	18.0	12.9	58.1
Carver	13.4	8.3	54.6
Cass	15.8	7.3	75.9
Chippewa	20.0	11.3	82.4
Chisago	17.2	10.7	70.9
Clay	17.0	11.6	61.1
Clearwater	15.8	4.2	100.0
Cook	11.6	7.0	33.3
Cottonwood	27.1	16.7	88.2
Crow Wing	18.1	10.8	66.7
Dakota	15.7	9.9	65.2
Dodge	14.1	7.7	59.3
Douglas	20.1	13.9	55.3
Faribault	13.8	6.3	63.2
Fillmore	12.6	7.0	56.5
Freeborn	16.3	9.6	79.3
Goodhue	18.3	12.1	66.0
Grant	18.0	16.4	20.0
Hennepin	14.3	10.2	59.8
Houston	13.2	8.8	69.2
Hubbard	30.9	17.7	82.1
Isanti	18.0	11.8	53.8
Itasca	19.1	10.4	70.9
Jackson	22.2	13.7	90.9
Kanabec	21.2	10.6	84.2
Kandiyohi	18.3	12.0	70.0
Kittson	24.2	12.9	77.8
Koochiching	33.1	20.9	85.7
Lac Qui Parle	26.6	11.7	100.0
Lake	22.6	18.3	50.0
Lake of the Woods	30.3	18.2	80.0
Le Sueur	21.4	11.6	79.5
Lincoln	31.1	18.0	88.9
Lyon	22.0	14.7	80.6
McLeod	19.6	14.3	60.0
Mahnomen	25.3	16.0	70.0
Marshall	36.6	17.9	80.8
Martin	19.7	12.1	66.7
Meeker	20.8	11.3	83.3
Mille Lacs	19.2	12.4	68.0
Morrison	19.6	9.8	67.8
Mower	21.2	14.2	57.7
Murray	23.1	15.4	53.3

**Natality Table 5: Cesarean Births in Minnesota
By State and County, 1997**

	Cesarean Births - Percent	First Time Cesarean Births - Percent	Repeat Cesarean - Percent
State of Minnesota	16.5	10.8	65.5
Nicollet	19.2	10.2	69.8
Nobles	19.1	10.7	69.4
Norman	18.1	15.7	40.0
Olmsted	14.9	10.4	56.7
Otter Tail	19.7	11.7	72.3
Pennington	30.4	17.9	75.0
Pine	17.2	9.5	71.4
Pipestone	22.1	13.3	58.8
Polk	20.7	12.0	82.9
Pope	26.7	15.0	77.8
Ramsey	13.1	9.4	57.5
Red Lake	36.1	19.4	85.7
Redwood	22.7	13.0	76.9
Renville	21.2	9.9	85.2
Rice	20.8	12.1	66.7
Rock	17.9	10.3	64.3
Roseau	27.9	15.8	78.6
St. Louis	21.8	13.8	68.7
Scott	15.4	10.3	70.4
Sherburne	14.0	7.7	67.4
Sibley	20.7	11.1	72.4
Stearns	17.4	11.1	62.6
Steele	18.6	12.4	78.8
Stevens	18.3	14.4	40.0
Swift	21.4	11.4	87.5
Todd	20.9	11.1	68.3
Traverse	22.2	11.1	75.0
Wabasha	17.3	9.8	77.3
Wadena	17.9	10.9	64.7
Waseca	20.9	12.9	71.4
Washington	14.6	10.1	57.8
Watsonwan	21.6	14.6	86.7
Wilkin	18.7	10.3	69.2
Winona	14.7	10.1	61.4
Wright	18.0	11.1	74.1
Yellow Medicine	22.4	10.4	88.9

Source: Minnesota Department of Health, Center for Health Statistics

**Nativity Table 6: Fertility and Family Planning in Minnesota
By State and County, 1997**

	Pregnancies		Abortions		Percent of Women with 4 or More Births	Percent of Women with Live Births w/in 1 Year
	Number	Rate	Number	Rate		
State of Minnesota	77,850	73.8	12,997	12.2	4.5	3.9
Aitkin	177	81.6	25	11.1	7.9	3.4
Anoka	5,221	74.7	970	13.7	3.5	3.7
Becker	402	73.7	11	**	7.7	4.5
Beltrami	625	71.2	61	6.9	8.4	4.9
Benton	595	77.8	110	14.4	3.7	2.1
Big Stone	61	67.5	0	0.0	5.3	0.0
Blue Earth	737	55.2	151	11.3	3.1	3.7
Brown	315	58.3	22	4.1	6.3	3.9
Carlton	417	69.9	64	10.6	5.4	3.3
Carver	1,170	80.2	139	9.5	2.4	2.8
Cass	289	66.0	30	6.9	6.3	6.0
Chippewa	190	81.8	29	12.2	2.5	3.2
Chisago	694	84.4	93	11.3	4.6	2.7
Clay	636	49.4	17	**	4.8	4.1
Clearwater	97	69.6	*	**	7.4	1.9
Cook	46	48.3	*	**	2.6	0.0
Cottonwood	149	71.7	*	**	5.6	2.3
Crow Wing	676	69.1	90	9.2	3.5	4.0
Dakota	6,161	73.1	1,003	11.7	2.5	3.5
Dodge	263	75.2	12	**	5.3	3.9
Douglas	359	62.9	19	**	1.2	3.7
Faribault	170	62.3	9	**	5.8	3.7
Fillmore	244	67.3	12	**	6.7	5.4
Freeborn	397	68.9	49	8.6	3.5	3.3
Goodhue	565	67.1	58	6.9	4.4	3.2
Grant	63	65.5	*	**	6.6	2.9
Hennepin	20,675	79.5	5,110	19.5	4.4	4.7
Houston	217	57.4	12	**	1.5	1.7
Hubbard	181	61.3	*	**	2.4	2.8
Isanti	379	60.3	40	6.4	2.9	3.5
Itasca	515	60.3	59	6.8	4.2	2.9
Jackson	123	59.2	*	**	2.6	2.9
Kanabec	178	64.8	24	8.5	5.3	6.0
Kandiyohi	605	72.1	47	5.5	4.2	4.2
Kittson	63	70.4	*	**	4.8	5.3
Koochiching	171	57.6	22	7.2	2.0	2.7
Lac Qui Parle	97	76.4	*	**	3.2	7.8
Lake	137	72.6	22	11.7	4.3	1.7
Lake of the Woods	35	42.9	*	**	9.4	5.9
Le Sueur	363	76.4	44	9.3	5.7	6.7
Lincoln	62	63.3	*	**	3.3	0.0
Lyon	355	69.1	9	**	5.0	2.0
McLeod	558	83.1	44	6.6	4.2	4.1
Mahnomen	77	85.8	*	**	9.3	4.3
Marshall	113	62.2	*	**	5.4	2.4
Martin	257	63.6	18	**	4.2	2.6
Meeker	297	75.3	31	7.9	6.8	4.9
Mille Lacs	276	71.9	26	6.8	6.9	2.0
Morrison	424	75.1	15	**	5.9	2.6
Mower	468	70.9	38	5.8	3.5	4.9
Murray	107	69.2	0	0.0	1.9	6.7

**Nativity Table 6: Fertility and Family Planning in Minnesota
By State and County, 1997**

	Pregnancies		Abortions		Percent of Women with 4 or More Births	Percent of Women with Live Births w/in 1 Year
	Number	Rate	Number	Rate		
State of Minnesota	77,850	73.8	12,997	12.2	4.5	3.9
Nicollet	356	50.0	21	3.0	2.7	2.6
Nobles	302	83.4	*	**	4.7	2.1
Norman	83	67.7	0	0.0	6.0	5.4
Olmsted	1,982	73.2	192	7.0	4.0	4.7
Otter Tail	606	63.7	14	**	5.7	1.6
Pennington	170	64.3	0	0.0	2.4	7.9
Pine	299	72.1	36	8.5	5.8	1.8
Pipestone	115	64.2	*	**	1.8	0.0
Polk	399	66.7	7	**	5.4	3.7
Pope	127	72.2	6	**	5.8	4.3
Ramsey	9,848	84.1	2,379	20.1	7.7	4.4
Red Lake	38	50.9	*	**	2.8	0.0
Redwood	224	78.9	16	**	4.9	0.7
Renville	216	76.1	11	**	3.5	2.8
Rice	750	59.7	57	4.6	3.9	3.7
Rock	119	69.1	*	**	0.9	3.9
Roseau	274	85.9	*	**	1.8	2.8
St. Louis	2,456	61.3	443	11.0	3.8	3.7
Scott	1,537	86.6	190	10.7	2.7	4.8
Sherburne	1,055	77.2	93	6.7	2.0	3.3
Sibley	228	90.0	11	**	5.2	3.1
Stearns	1,816	60.2	184	6.0	4.2	2.6
Steele	457	71.4	34	5.3	4.8	2.2
Stevens	110	47.2	6	**	1.0	4.8
Swift	148	87.4	8	**	4.4	1.1
Todd	303	72.2	13	**	6.0	2.6
Traverse	55	88.4	0	0.0	3.7	0.0
Wabasha	242	60.4	14	**	1.4	3.4
Wadena	157	69.6	0	0.0	8.0	7.0
Waseca	280	78.7	30	8.4	5.3	2.7
Washington	3,165	69.4	463	9.9	2.8	3.3
Watonwan	195	96.0	10	**	3.8	3.4
Wilkin	108	82.7	*	**	6.6	3.1
Winona	644	56.0	56	4.9	4.7	2.3
Wright	1,394	76.8	127	6.9	7.5	3.8
Yellow Medicine	136	73.3	*	**	4.5	2.4

Source: Minnesota Department of Health, Center for Health Statistics

*Rate not calculated for less than 20 events

**Number not reported if number of events is less than 6.

Pregnancy Rate: The number of pregnancies per 1,000 women in the population of age 15 through 44 years.

Abortion Rate: The number of abortions per 1,000 women in the population of age 15 through 44 years.

Four or More Births: Births to women with four or more previous live births

**Natality Table 7: Minnesota Teen Birth and Pregnancy Rates
By State and County, 1995-1997**

	Teen Birth Rates			Teen Pregnancy Rates		
	15-17 Years	18-19 Years	15-19 Years	15-17 Years	18-19 Years	15-19 Years
State of Minnesota	18.5	54.2	32.1	27.2	77.1	46.2
Aitkin	*	82.6	32.5	20.0	102.6	44.1
Anoka	14.7	53.2	27.8	25.7	84.9	45.9
Becker	16.8	104.3	41.4	18.2	106.6	43.0
Beltrami	29.4	63.9	44.5	32.6	72.7	50.2
Benton	12.0	66.3	32.0	17.6	81.7	41.2
Big Stone	*	*	*	13.3	97.4	34.7
Blue Earth	13.7	20.1	17.8	22.1	33.3	29.3
Brown	*	38.4	20.8	12.9	44.1	25.3
Carlton	12.0	78.5	29.8	18.0	100.7	40.1
Carver	11.2	45.3	22.5	19.2	64.4	34.2
Cass	29.2	122.0	55.0	36.6	147.3	67.4
Chippewa	*	77.6	29.3	19.0	114.9	44.7
Chisago	18.7	71.8	35.3	28.8	99.2	50.8
Clay	24.9	23.7	24.1	25.2	25.0	25.0
Clearwater	*	115.9	42.5	18.8	128.8	48.3
Cook	*	*	*	20.8	102.0	39.1
Cottonwood	*	96.8	35.5	14.2	105.6	37.8
Crow Wing	17.4	84.8	40.4	25.9	104.4	52.6
Dakota	12.2	48.4	23.8	21.5	80.3	40.4
Dodge	17.3	53.4	28.2	20.9	68.4	35.2
Douglas	*	56.0	25.4	11.1	64.3	30.7
Faribault	19.2	97.3	40.5	27.4	107.1	49.2
Fillmore	*	60.8	26.0	14.4	70.4	30.7
Freeborn	15.5	83.9	36.3	22.6	100.0	46.1
Goodhue	10.6	74.1	30.3	15.8	89.4	38.6
Grant	*	*	*	13.0	116.3	39.0
Hennepin	26.6	55.6	38.4	41.9	95.4	63.6
Houston	*	50.3	20.3	8.9	51.9	21.3
Hubbard	16.8	101.1	40.0	19.2	101.1	41.8
Isanti	14.1	62.3	28.7	18.5	79.5	37.0
Itasca	11.6	84.8	32.6	16.2	96.2	39.2
Jackson	*	*	24.7	13.9	71.7	29.0
Kanabec	*	118.9	39.5	21.8	123.5	47.9
Kandiyohi	20.7	70.2	39.7	25.4	82.0	47.1
Kittson	*	*	*	19.2	69.9	33.5
Koochiching	*	43.5	24.9	21.2	56.9	33.5
Lac Qui Parle	*	*	*	6.7	83.8	24.5
Lake	*	73.8	29.7	16.9	107.4	43.6
Lake of the Woods	*	*	*	22.7	67.2	35.0
Le Sueur	16.0	70.2	31.6	21.9	87.4	40.8
Lincoln	*	*	*	12.9	80.2	28.4
Lyon	17.3	53.1	34.0	17.9	56.5	35.9
McLeod	15.5	87.5	38.2	20.4	107.9	48.0
Mahnomen	*	144.7	59.8	34.5	144.7	61.3
Marshall	*	104.9	35.6	13.4	108.4	36.4
Martin	16.7	68.6	30.7	19.2	73.6	33.9
Meeker	12.9	85.7	32.6	18.2	107.9	42.5
Mille Lacs	28.5	106.4	50.5	31.7	117.8	56.1
Morrison	14.7	85.1	34.6	18.9	88.3	38.5
Mower	14.7	72.6	33.7	17.4	85.5	39.8
Murray	*	*	*	10.7	49.1	21.8
Nicollet	*	21.1	15.6	14.9	31.6	23.9

**Nativity Table 7: Minnesota Teen Birth and Pregnancy Rates
By State and County, 1995-1997**

	Teen Birth Rates			Teen Pregnancy Rates		
	15-17 Years	18-19 Years	15-19 Years	15-17 Years	18-19 Years	15-19 Years
State of Minnesota	18.5	54.2	32.1	27.2	77.1	46.2
Nobles	25.1	121.4	55.8	27.1	121.4	57.2
Norman	*	153.4	38.7	11.9	153.4	42.7
Olmsted	14.3	47.7	26.8	19.6	60.6	34.9
Otter Tail	11.3	73.5	30.2	12.6	75.3	31.7
Pennington	*	69.9	34.8	17.6	75.3	37.2
Pine	16.0	106.2	40.1	21.0	119.9	47.4
Pipestone	*	*	18.4	11.7	47.1	21.8
Polk	14.9	62.5	33.0	17.1	64.0	34.9
Pope	*	*	*	11.6	54.9	22.4
Ramsey	35.1	68.9	49.9	49.8	101.2	72.3
Red Lake	*	*	*	0.0	149.5	34.3
Redwood	*	83.5	28.8	14.1	97.9	33.9
Renville	18.9	98.4	41.0	25.8	114.1	50.3
Rice	15.0	27.8	22.0	20.0	38.4	30.0
Rock	*	*	30.1	18.7	64.3	31.1
Roseau	18.5	154.0	55.6	20.2	158.5	58.0
St. Louis	17.4	46.4	28.8	25.4	67.4	41.8
Scott	13.3	36.3	20.6	19.9	63.6	33.8
Sherburne	10.3	56.3	25.5	15.9	69.5	33.7
Sibley	*	82.0	37.7	19.9	93.7	41.9
Stearns	11.7	23.1	17.6	16.9	34.3	25.8
Steele	20.0	68.0	36.1	25.4	76.1	42.5
Stevens	*	*	*	14.1	9.2	10.6
Swift	*	98.6	34.2	18.0	108.0	38.5
Todd	11.9	108.5	37.0	16.9	109.9	41.1
Traverse	*	*	*	7.2	127.9	35.6
Wabasha	*	46.2	19.3	11.8	55.5	24.8
Wadena	*	109.6	42.7	15.3	109.6	44.8
Waseca	17.1	73.7	34.5	24.9	89.5	44.7
Washington	9.3	37.7	17.8	19.0	65.8	33.0
Watonwan	43.4	142.9	75.4	50.1	157.1	84.6
Wilkin	*	*	28.5	16.5	64.2	31.3
Winona	18.6	16.5	17.3	22.2	22.0	22.1
Wright	13.5	51.4	25.3	18.4	74.2	35.7
Yellow Medicine	*	108.4	43.6	16.4	108.4	44.6

Source: Minnesota Department of Health, Center for Health Statistics and the US Census.

*Rate not calculated for less than 20 events

Teen Birth Rate: The number of live births to a specific age group per 1,000 female population of the specific age group.

Teen Pregnancy Rate: The number of pregnancies to a specific age group per 1,000 female population of the specific age group.

**Nativity Table 8: Socio-Demographic Factors Related to Birth Outcomes in Minnesota
By State and County, 1997**

	Percent - Births to Unmarried Mothers	Percent - No Father on Birth Certificate	Percent - Mothers Smoked during Pregnancy	Percent - Maternal Education Status		
				Low	Medium	High
State of Minnesota	25.2	8.9	12.9	8.7	33.0	58.4
Aitkin	29.8	5.8	23.1	8.7	51.0	40.3
Anoka	22.0	5.4	14.1	6.1	34.6	59.3
Becker	34.0	10.7	26.6	11.3	48.8	39.8
Beltrami	50.5	12.1	14.8	15.6	33.6	50.8
Benton	23.8	3.9	17.4	5.8	42.4	51.8
Big Stone	30.0	10.0	13.8	15.0	51.7	33.3
Blue Earth	24.0	5.1	15.6	4.9	25.0	70.1
Brown	20.0	5.5	8.9	6.9	41.5	51.6
Carlton	29.1	6.7	25.5	7.2	37.8	55.0
Carver	12.5	3.7	6.4	4.1	29.6	66.3
Cass	47.1	11.2	29.3	13.0	48.8	38.2
Chippewa	23.8	6.1	15.3	5.1	48.1	46.8
Chisago	22.2	5.5	16.1	6.8	42.3	50.9
Clay	30.2	11.8	19.4	12.7	24.7	62.6
Clearwater	40.0	13.0	18.6	15.1	31.2	53.8
Cook	30.2	11.1	18.6	4.7	41.9	53.5
Cottonwood	25.7	9.0	14.9	11.2	51.0	37.8
Crow Wing	33.2	7.4	28.6	9.7	44.7	45.6
Dakota	17.6	5.1	8.1	3.8	24.6	71.6
Dodge	22.2	3.6	18.0	8.2	31.6	60.2
Douglas	21.8	5.2	21.1	5.6	55.5	38.9
Faribault	22.5	5.0	17.0	7.5	40.3	52.2
Fillmore	17.0	6.9	11.6	9.8	44.4	45.9
Freeborn	31.4	9.0	13.3	10.8	51.9	37.3
Goodhue	25.4	5.3	16.9	8.6	43.4	48.0
Grant	13.1	10.0	18.6	3.3	34.4	62.3
Hennepin	27.8	13.1	10.0	10.4	27.6	62.0
Houston	22.0	12.8	8.8	3.9	27.0	69.1
Hubbard	36.0	11.8	27.0	12.3	33.3	54.4
Isanti	33.0	5.9	25.1	9.8	43.8	46.4
Itasca	31.9	10.4	23.0	5.7	38.4	55.9
Jackson	26.5	8.9	9.4	10.3	37.9	51.7
Kanabec	35.1	9.3	32.0	14.9	49.3	35.8
Kandiyohi	27.0	9.2	12.9	15.6	32.0	52.4
Kittson	19.4	10.0	10.0	11.3	22.6	66.1
Koochiching	26.4	6.1	6.9	6.1	37.8	56.1
Lac Qui Parle	20.2	9.6	14.0	4.3	51.1	44.7
Lake	24.3	6.0	19.1	7.0	39.5	53.5
Lake of the Woods	27.3	5.9	4.2	9.7	61.3	29.0
Le Sueur	20.1	6.0	15.3	8.6	34.4	57.0
Lincoln	23.0	4.9	20.3	5.0	38.3	56.7
Lyon	24.0	5.6	12.8	11.0	23.7	65.3
McLeod	22.4	6.5	10.7	8.9	51.8	39.3
Mahnomen	60.0	21.7	41.7	16.0	38.7	45.3
Marshall	19.6	3.9	13.5	8.9	34.8	56.3
Martin	23.8	3.5	18.1	6.8	50.4	42.8
Meeker	18.9	7.2	17.5	10.2	50.2	39.6
Mille Lacs	32.4	6.7	20.5	11.3	49.2	39.5
Morrison	27.0	5.4	23.8	8.6	59.1	32.4

**Nativity Table 8: Socio-Demographic Factors Related to Birth Outcomes in Minnesota
By State and County, 1997**

	Percent - Births to Unmarried Mothers	Percent - No Father on Birth Certificate	Percent - Mothers Smoked during Pregnancy	Percent - Maternal Education Status		
				Low	Medium	High
State of Minnesota	25.2	8.9	12.9	8.7	33.0	58.4
Mower	30.0	9.8	21.3	8.5	60.8	30.8
Murray	18.3	1.9	5.8	2.9	28.8	68.3
Nicollet	20.7	10.0	12.3	3.6	26.4	70.0
Nobles	33.9	11.1	5.7	29.2	31.2	39.6
Norman	18.1	4.9	19.5	8.4	26.5	65.1
Olmsted	19.2	5.9	9.5	7.7	21.5	70.8
Otter Tail	24.1	6.1	19.7	11.8	31.5	56.7
Pennington	37.5	7.8	23.8	13.1	32.7	54.2
Pine	33.6	9.7	24.3	11.8	49.6	38.5
Pipestone	20.4	7.1	15.9	8.8	48.7	42.5
Polk	25.0	7.7	16.8	9.2	29.0	61.8
Pope	19.2	6.6	16.7	9.2	35.8	55.0
Ramsey	32.5	14.8	11.4	13.5	29.9	56.6
Red Lake	27.8	6.1	19.4	2.8	30.6	66.7
Redwood	26.1	8.2	15.4	11.1	47.8	41.1
Renville	17.7	5.9	16.4	13.3	37.9	48.8
Rice	24.1	6.2	14.2	14.0	39.5	46.5
Rock	18.8	4.3	5.2	6.0	43.1	50.9
Roseau	24.3	4.9	14.4	6.3	52.2	41.5
St. Louis	31.8	11.1	22.4	8.1	36.1	55.8
Scott	13.0	4.9	6.5	3.7	33.9	62.4
Sherburne	19.3	3.7	10.4	5.4	36.5	58.1
Sibley	21.7	4.6	12.1	11.7	54.9	33.3
Stearns	20.4	5.7	13.9	5.4	40.6	54.0
Steele	24.8	6.7	18.2	10.2	44.6	45.1
Stevens	16.3	5.8	6.7	2.9	24.0	73.1
Swift	20.0	6.4	18.0	3.6	34.3	62.1
Todd	25.4	3.8	19.7	7.8	61.8	30.4
Traverse	27.8	5.8	20.8	3.7	46.3	50.0
Wabasha	17.8	5.8	9.7	3.7	38.0	58.3
Wadena	29.5	13.7	17.9	9.1	53.9	37.0
Waseca	22.9	6.8	16.6	5.2	39.5	55.2
Washington	15.2	5.2	8.9	3.2	25.6	71.2
Watonwan	30.8	8.1	13.7	25.4	41.6	33.0
Wilkin	25.2	8.2	13.1	6.5	27.1	66.4
Winona	20.0	7.2	11.5	4.9	33.8	61.3
Wright	19.3	4.2	11.6	4.7	40.1	55.1
Yellow Medicine	19.4	6.0	16.5	5.3	40.2	54.5

Source: Minnesota Department of Health, Center for Health Statistics.

Maternal Educational Status (Low, Medium, High): A calculation of the percentage of mothers who have reached an educational status based on age of mother and number of school years completed.

**Nativity Table 9: Race and Ethnicity of Mother in Minnesota
By State and County, 1997**

	Race of Mother - Percent					Ethnicity of Mother - Percent	
	White	African American	American Indian	Asian	Unknown / Other	Hispanic (any race)	Not Hispanic
State of Minnesota	84.3	5.0	1.7	4.4	0.6	3.9	96.1
Aitkin	94.0	0.7	4.0	0.7	0.0	0.7	99.3
Anoka	94.3	1.4	0.5	2.2	0.4	1.2	98.8
Becker	85.4	0.0	13.6	0.5	0.3	0.3	99.7
Beltrami	64.5	0.2	33.6	0.4	0.9	0.5	99.5
Benton	97.5	0.4	0.0	1.2	0.2	0.6	99.4
Big Stone	98.3	0.0	1.7	0.0	0.0	0.0	100.0
Blue Earth	93.8	1.0	0.3	2.2	0.3	2.2	97.8
Brown	89.7	0.3	0.0	1.0	0.3	8.6	91.4
Carlton	88.0	0.0	11.1	0.3	0.0	0.6	99.4
Carver	92.6	0.3	0.2	2.0	0.4	4.5	95.5
Cass	73.0	0.4	24.3	0.8	1.5	0.0	100.0
Chippewa	95.6	0.0	0.6	0.6	0.0	3.1	96.9
Chisago	97.8	0.2	0.2	1.0	0.7	0.2	99.8
Clay	94.8	0.3	3.6	1.3	0.0	0.0	100.0
Clearwater	82.1	0.0	12.6	2.1	3.2	0.0	100.0
Cook	90.7	0.0	7.0	0.0	0.0	2.3	97.7
Cottonwood	91.7	0.7	0.0	2.1	0.0	5.6	94.4
Crow Wing	97.1	0.3	1.4	0.3	0.0	0.9	99.1
Dakota	91.3	1.9	0.4	3.1	0.4	3.0	97.0
Dodge	95.6	0.4	0.0	0.8	0.0	3.2	96.8
Douglas	98.2	0.3	0.3	0.6	0.0	0.6	99.4
Faribault	94.4	0.0	0.0	0.0	0.6	5.0	95.0
Fillmore	89.6	0.0	0.0	0.4	8.7	1.3	98.7
Freeborn	89.0	0.6	0.0	0.0	0.0	10.5	89.5
Goodhue	94.8	0.8	1.8	0.6	0.4	1.6	98.4
Grant	98.4	0.0	0.0	0.0	0.0	1.6	98.4
Hennepin	72.1	13.5	2.0	6.2	1.3	4.9	95.1
Houston	98.5	0.5	0.5	0.0	0.0	0.5	99.5
Hubbard	94.3	0.6	2.9	0.0	1.7	0.6	99.4
Isanti	98.8	0.0	0.3	0.3	0.0	0.6	99.4
Itasca	91.8	0.7	5.8	0.7	0.9	0.2	99.8
Jackson	92.3	0.0	0.0	0.9	0.0	6.8	93.2
Kanabec	99.3	0.0	0.0	0.0	0.0	0.7	99.3
Kandiyohi	80.4	0.5	0.2	0.7	0.2	17.9	82.1
Kittson	96.8	0.0	0.0	1.6	0.0	1.6	98.4
Koochiching	100.0	0.0	0.0	0.0	0.0	0.0	100.0
Lac Qui Parle	100.0	0.0	0.0	0.0	0.0	0.0	100.0
Lake	97.4	0.9	0.9	0.9	0.0	0.0	100.0
Lake of the Woods	93.9	0.0	0.0	0.0	6.1	0.0	100.0
Le Sueur	88.1	0.3	0.6	0.6	0.0	10.4	89.6
Lincoln	98.4	0.0	0.0	0.0	1.6	0.0	100.0
Lyon	85.6	0.9	0.0	4.4	0.3	8.8	91.2
McLeod	89.2	0.0	0.2	0.8	0.6	9.2	90.8
Mahnomen	53.3	0.0	45.3	0.0	0.0	1.3	98.7
Marshall	95.5	0.0	0.9	0.9	0.0	2.7	97.3
Martin	97.5	0.0	0.0	0.0	0.0	2.5	97.5
Meeker	97.0	0.0	0.0	0.4	0.0	2.6	97.4
Mille Lacs	90.4	0.0	8.0	0.8	0.0	0.8	99.2
Morrison	97.8	0.5	0.0	0.7	0.0	1.0	99.0
Mower	93.0	0.2	0.0	2.6	0.5	3.7	96.3
Murray	99.0	0.0	0.0	1.0	0.0	0.0	100.0

**Nativity Table 9: Race and Ethnicity of Mother in Minnesota
By State and County, 1997**

	Race of Mother - Percent					Ethnicity of Mother - Percent	
	White	African American	American Indian	Asian	Unknown / Other	Hispanic (any race)	Not Hispanic
State of Minnesota	84.3	5.0	1.7	4.4	0.6	3.9	96.1
Nicollet	97.0	0.3	0.0	1.2	0.0	1.5	98.5
Nobles	63.4	3.7	0.3	8.4	0.7	23.5	76.5
Norman	95.2	0.0	2.4	0.0	1.2	1.2	98.8
Olmsted	87.4	3.3	0.2	6.2	0.0	3.0	97.0
Otter Tail	93.7	0.5	0.8	1.0	0.3	3.6	96.4
Pennington	92.3	0.0	2.4	1.2	0.0	4.2	95.8
Pine	93.9	0.0	4.2	0.0	0.0	1.9	98.1
Pipestone	98.2	0.0	0.9	0.9	0.0	0.0	100.0
Polk	92.3	0.0	3.1	0.3	0.5	3.8	96.2
Pope	98.3	0.0	0.0	0.8	0.0	0.8	99.2
Ramsey	65.3	10.5	0.9	15.7	0.9	6.7	93.3
Red Lake	97.2	0.0	0.0	2.8	0.0	0.0	100.0
Redwood	92.3	0.0	5.3	0.0	0.0	2.4	97.6
Renville	86.2	0.0	1.0	0.0	0.0	12.8	87.2
Rice	85.7	0.9	0.0	1.0	0.0	12.4	87.6
Rock	93.2	0.0	0.0	2.6	0.9	3.4	96.6
Roseau	96.7	0.0	1.5	1.8	0.0	0.0	100.0
St. Louis	93.3	1.1	3.6	1.1	0.2	0.6	99.4
Scott	94.0	0.4	1.0	1.6	0.1	2.9	97.1
Sherburne	98.1	0.4	0.3	0.6	0.1	0.4	99.6
Sibley	85.3	0.0	0.9	0.5	0.9	12.4	87.6
Stearns	95.7	1.1	0.4	1.1	0.2	1.4	98.6
Steele	88.8	2.6	0.2	1.9	0.0	6.4	93.6
Stevens	93.3	1.0	1.9	1.9	1.0	1.0	99.0
Swift	97.1	0.0	1.4	0.7	0.0	0.7	99.3
Todd	94.8	0.0	0.3	0.7	1.0	3.1	96.9
Traverse	88.9	0.0	11.1	0.0	0.0	0.0	100.0
Wabasha	93.3	0.4	0.0	0.9	0.9	4.4	95.6
Wadena	96.8	0.6	0.0	1.3	0.0	1.3	98.7
Waseca	94.8	0.0	0.4	1.2	0.0	3.6	96.4
Washington	93.4	1.6	0.2	2.7	0.3	1.7	98.3
Watonwan	64.3	0.0	0.0	1.1	0.5	34.1	65.9
Wilkin	96.3	0.9	0.9	0.0	0.0	1.9	98.1
Winona	93.0	0.7	0.0	3.1	1.5	1.7	98.3
Wright	97.9	0.0	0.4	0.4	0.3	1.0	99.0
Yellow Medicine	92.5	0.0	3.0	2.2	0.0	2.2	97.8

Source: Minnesota Department of Health, Center for Health Statistics

Section C: Mortality

Tables

Table 1: Leading Causes of Death

Table 2: Years of Potential Life Lost

Table 3a: Unintentional Injuries, Suicides and Homicides

Table 3b: Fall and Motor Vehicle Deaths

Table 4: Number of Cases of Cancer Deaths by Major Site & Sex

**Mortality Table 1: Minnesota Leading Causes of Death*
in Minnesota by State and County, 1997**

	Heart Disease	Cancer	Stroke	Unintent. Injury	COPD	Pneum./Influenza	Diabetes	Nephritis	Alz. Disease
State of Minnesota	9,513	8,734	2,976	1,666	1,627	1,311	1,049	483	468
Aitkin	64	48	19	9	9	6	6	4	0
Anoka	277	342	78	67	67	32	36	15	14
Becker	96	66	27	18	9	12	9	4	13
Beltrami	91	59	31	20	9	10	13	0	1
Benton	102	52	21	13	9	9	8	3	6
Big Stone	41	21	10	2	1	2	2	1	0
Blue Earth	96	94	50	16	15	9	17	4	9
Brown	95	70	16	6	14	4	6	6	2
Carlton	82	51	22	16	15	11	6	1	7
Carver	81	90	21	25	12	13	16	2	6
Cass	68	72	29	14	13	17	8	2	4
Chippewa	47	37	13	9	7	5	7	1	0
Chisago	70	55	15	12	10	7	11	4	0
Clay	113	82	41	18	17	14	12	2	1
Clearwater	33	25	7	4	5	2	2	1	0
Cook	8	6	3	1	0	0	1	0	0
Cottonwood	56	36	17	7	5	7	4	3	1
Crow Wing	147	125	42	24	24	13	13	5	11
Dakota	352	444	116	72	75	32	39	15	15
Dodge	30	26	11	8	5	9	4	1	3
Douglas	102	69	32	12	9	8	6	4	11
Faribault	52	54	18	5	9	17	6	4	6
Fillmore	74	49	17	11	11	4	10	4	4
Freeborn	92	81	36	12	16	6	11	3	5
Goodhue	115	77	44	12	20	20	11	10	3
Grant	27	18	13	2	4	1	2	2	6
Hennepin	1,744	1,896	588	387	367	308	215	96	96
Houston	37	46	15	3	4	6	3	2	0
Hubbard	53	41	18	7	10	8	6	1	1
Isanti	53	45	25	15	6	7	7	4	1
Itasca	116	107	23	13	21	15	21	6	1
Jackson	38	32	11	6	13	5	3	5	0
Kanabec	28	37	9	9	6	4	7	2	1
Kandiyohi	98	75	37	10	10	20	9	8	6
Kittson	25	22	5	4	2	3	1	0	0
Koochiching	50	20	14	8	6	5	7	3	4
Lac Qui Parle	35	37	7	7	2	3	3	1	0
Lake	27	31	12	3	12	7	3	0	2
Lake of the Woods	6	8	3	4	2	2	1	0	2
Le Sueur	60	50	11	10	4	5	6	3	1
Lincoln	21	27	12	4	2	2	2	2	3
Lyon	76	40	29	17	8	4	6	4	6
McLeod	92	57	33	13	6	13	9	3	5
Mahnomen	16	14	4	2	1	2	3	0	2
Marshall	44	27	9	3	4	2	6	1	0
Martin	86	60	18	6	7	6	15	1	4
Meeker	67	52	26	10	16	16	2	4	3

**Mortality Table 1: Minnesota Leading Causes of Death*
in Minnesota by State and County, 1997**

	Heart Disease	Cancer	Stroke	Unintent. Injury	COPD	Pneum./Influenza	Diabetes	Nephritis	Alz. Disease
State of Minnesota	9,513	8,734	2,976	1,666	1,627	1,311	1,049	483	468
Mille Lacs	52	67	16	11	12	8	7	4	1
Morrison	95	69	32	18	12	13	6	5	2
Mower	140	106	31	14	16	12	15	10	4
Murray	37	19	13	5	3	2	5	2	0
Nicollet	55	29	16	4	6	1	4	0	5
Nobles	65	46	20	7	4	7	6	0	1
Norman	43	17	11	7	4	2	3	1	0
Olmsted	164	199	52	40	30	16	11	9	6
Otter Tail	173	140	41	20	23	25	17	6	6
Pennington	44	21	12	3	4	3	2	2	0
Pine	57	58	21	9	13	9	5	3	4
Pipestone	25	31	14	2	6	1	0	3	4
Polk	111	88	38	19	21	14	17	4	13
Pope	64	33	12	7	6	12	0	2	3
Ramsey	981	962	331	146	215	175	99	77	34
Red Lake	19	11	6	1	2	7	1	1	2
Redwood	63	47	19	7	11	23	6	5	1
Renville	57	45	24	11	7	5	5	3	1
Rice	88	94	32	24	22	14	13	4	5
Rock	37	29	9	2	2	2	1	0	3
Roseau	42	38	9	11	4	4	6	2	1
St. Louis	589	502	168	83	118	75	70	26	41
Scott	78	78	28	29	11	20	9	3	2
Sherburne	87	78	36	19	18	9	3	4	7
Sibley	32	36	7	10	4	5	7	0	1
Stearns	192	190	62	35	27	26	17	12	6
Steele	83	52	17	9	5	9	11	2	2
Stevens	23	16	6	6	1	5	3	1	4
Swift	42	42	8	9	8	3	2	1	1
Todd	50	52	18	8	9	8	9	2	2
Traverse	23	20	0	3	1	1	3	3	2
Wabasha	63	53	20	8	7	7	5	2	3
Wadena	46	36	11	5	6	5	8	2	3
Waseca	44	35	11	11	8	5	6	3	0
Washington	198	230	62	31	37	22	48	13	18
Watonwan	36	40	17	5	4	0	5	1	1
Wilkin	26	16	3	5	3	5	0	2	0
Winona	132	95	38	17	16	11	5	3	6
Wright	125	107	34	42	15	16	4	10	5
Yellow Medicine	49	34	13	5	7	11	4	3	2

Source: Minnesota Department of Health, Center for Health Statistics and the US Census.

ICD-9 Definitions on Page C-13

*Order of deaths is by the leading causes for the State of Minnesota

COPD - Chronic Obstructive Pulmonary Disease

Alz. Disease - Alzheimer's Disease

**Mortality Table 1: Minnesota Leading Causes of Death*
in Minnesota by State and County, 1997**

	Suicide	Cirr- hosis	Athero- sclerosis	Cong. Anom.	Septi- cemia	Peri. Cond.	Homicide	AIDS/H IV	SIDS
State of Minnesota	422	287	245	201	197	137	132	67	52
Aitkin	1	3	1	0	0	0	0	0	1
Anoka	26	15	11	19	5	10	3	4	2
Becker	0	0	1	0	2	0	1	0	0
Beltrami	11	0	1	1	2	4	1	0	1
Benton	3	1	1	2	2	0	1	0	2
Big Stone	1	0	0	0	0	0	0	0	0
Blue Earth	6	4	1	2	4	1	0	1	0
Brown	2	1	0	3	2	0	0	0	1
Carlton	3	0	18	1	3	0	1	0	1
Carver	3	3	0	6	3	0	1	0	0
Cass	7	4	3	0	2	1	0	0	0
Chippewa	1	1	3	0	0	0	0	0	1
Chisago	4	3	1	2	3	1	0	1	1
Clay	4	5	3	0	2	1	1	0	1
Clearwater	1	2	1	0	0	0	0	0	0
Cook	0	0	0	0	0	0	0	0	0
Cottonwood	0	0	0	1	3	0	0	0	0
Crow Wing	8	4	2	3	1	0	1	1	0
Dakota	29	12	8	11	5	10	3	1	3
Dodge	1	0	0	0	1	0	0	0	1
Douglas	4	2	2	1	3	0	0	0	0
Faribault	0	1	1	1	4	0	0	0	1
Fillmore	0	1	8	2	0	1	0	0	0
Freeborn	2	5	16	1	3	1	0	1	0
Goodhue	3	2	4	2	5	1	0	0	2
Grant	2	0	0	0	0	0	0	0	0
Hennepin	94	66	44	55	36	47	65	36	11
Houston	0	0	1	0	3	1	0	0	0
Hubbard	1	0	0	0	1	0	3	0	0
Isanti	1	2	2	0	4	3	0	0	0
Itasca	2	5	8	1	0	0	3	0	1
Jackson	2	0	2	0	0	0	1	0	0
Kanabec	0	0	0	1	0	1	0	0	0
Kandiyohi	4	1	2	3	1	0	1	1	0
Kittson	0	1	0	0	0	0	0	0	0
Koochiching	2	1	1	0	0	1	0	0	0
Lac Qui Parle	0	1	0	0	3	0	0	0	0
Lake	0	2	0	0	1	0	0	0	0
Lake of the Woods	1	1	0	0	0	0	0	0	0
Le Sueur	1	1	1	0	2	0	0	0	0
Lincoln	1	0	0	0	0	0	0	0	0
Lyon	0	1	0	0	1	1	1	0	0
McLeod	3	0	2	1	1	0	1	0	0
Mahnomen	0	1	0	0	1	1	0	0	0
Marshall	0	0	0	1	0	1	0	0	0
Martin	1	2	3	1	0	0	0	0	0
Meeker	3	1	1	1	0	1	0	0	0

**Mortality Table 1: Minnesota Leading Causes of Death*
in Minnesota by State and County, 1997**

	Suicide	Cirr- hosis	Athero- sclerosis	Cong. Anom.	Septi- cemia	Peri. Cond.	Homicide	AIDS/H IV	SIDS
State of Minnesota	422	287	245	201	197	137	132	67	52
Mille Lacs	3	0	3	2	6	0	0	1	1
Morrison	4	2	2	1	3	1	0	0	0
Mower	4	2	0	2	1	1	1	0	1
Murray	1	0	1	0	1	0	0	0	0
Nicollet	3	1	0	0	1	0	0	0	2
Nobles	1	1	0	2	1	0	0	0	1
Norman	0	0	0	0	0	0	0	0	0
Olmsted	7	3	0	2	3	4	3	6	1
Otter Tail	6	1	13	2	1	0	0	1	0
Pennington	1	1	0	0	1	0	0	0	1
Pine	4	3	1	1	1	0	1	0	2
Pipestone	1	0	1	0	0	0	0	0	0
Polk	2	2	3	1	0	1	0	0	0
Pope	1	1	1	0	0	0	0	0	0
Ramsey	44	41	22	26	21	16	26	5	5
Red Lake	3	1	0	0	0	0	0	0	0
Redwood	1	0	0	0	2	0	0	0	0
Renville	0	1	2	1	0	0	0	0	0
Rice	2	5	4	2	5	0	0	1	0
Rock	1	1	0	0	0	2	0	0	0
Roseau	3	0	0	0	0	2	0	0	0
St. Louis	32	32	10	4	11	3	4	2	2
Scott	5	2	1	2	1	2	2	0	0
Sherburne	3	2	2	3	1	1	1	0	0
Sibley	2	2	1	0	0	0	0	0	2
Stearns	6	4	3	8	5	2	0	0	0
Steele	6	4	2	1	0	1	0	0	1
Stevens	2	1	2	1	3	0	0	0	0
Swift	0	0	0	1	1	0	0	0	0
Todd	2	2	1	0	1	0	0	0	0
Traverse	1	0	0	0	0	0	0	0	0
Wabasha	2	1	0	2	0	2	0	0	0
Wadena	1	2	0	0	2	0	0	0	0
Waseca	1	2	6	0	0	0	0	0	0
Washington	12	3	4	7	8	4	4	3	0
Watonwan	0	1	3	0	1	0	0	0	0
Wilkin	1	0	1	1	0	2	0	1	0
Winona	4	2	0	2	4	2	1	0	1
Wright	11	6	3	5	3	3	1	1	1
Yellow Medicine	1	0	0	0	0	0	0	0	1

Source: Minnesota Department of Health, Center for Health Statistics and the US Census.

ICD-9 Definitons on Page C-13

*Order of deaths is by the leading causes for the State of Minnesota

Cong. Anom. - Congenital Anomalies

Peri. Cond. - Perinata Conditions

**Mortality Table 2: Minnesota YPLL to Age 75
in Minnesota by State and County, 1997**

	Cancer	Heart Disease	Unintent. Injury	Suicide	Cong. Anom.	Peri. Cond.	Stroke	Homicide
State of Minnesota	62,650.0	37,532.5	35,932.5	13,410.0	11,745.0	9,932.5	7,627.5	5,597.5
Aitkin	502.5	255.0	245.0	25.0	0.0	0.0	15.0	0.0
Anoka	3,540.0	2,117.5	1,740.0	910.0	1,172.5	725.0	510.0	125.0
Becker	515.0	447.5	480.0	0.0	0.0	0.0	15.0	35.0
Beltrami	470.0	250.0	632.5	395.0	72.5	290.0	120.0	55.0
Benton	250.0	245.0	330.0	105.0	145.0	0.0	45.0	35.0
Big Stone	145.0	90.0	35.0	0.0	0.0	0.0	15.0	0.0
Blue Earth	755.0	315.0	340.0	175.0	145.0	72.5	232.5	0.0
Brown	330.0	270.0	70.0	80.0	170.0	0.0	50.0	0.0
Carlton	425.0	330.0	390.0	135.0	72.5	0.0	40.0	35.0
Carver	710.0	430.0	837.5	85.0	325.0	0.0	80.0	45.0
Cass	455.0	215.0	410.0	175.0	0.0	72.5	85.0	0.0
Chippewa	115.0	130.0	90.0	0.0	0.0	0.0	30.0	0.0
Chisago	370.0	310.0	130.0	160.0	137.5	72.5	20.0	0.0
Clay	315.0	397.5	452.5	115.0	0.0	72.5	20.0	35.0
Clearwater	135.0	125.0	70.0	25.0	0.0	0.0	5.0	0.0
Cook	20.0	35.0	0.0	0.0	0.0	0.0	5.0	0.0
Cottonwood	295.0	115.0	150.0	0.0	72.5	0.0	30.0	0.0
Crow Wing	810.0	575.0	682.5	155.0	160.0	0.0	130.0	45.0
Dakota	4,332.5	1,715.0	2,230.0	1,085.0	622.5	725.0	360.0	125.0
Dodge	140.0	170.0	120.0	45.0	0.0	0.0	10.0	0.0
Douglas	425.0	260.0	310.0	110.0	72.5	0.0	105.0	0.0
Faribault	235.0	250.0	55.0	0.0	72.5	0.0	20.0	0.0
Fillmore	185.0	180.0	300.0	0.0	145.0	72.5	35.0	0.0
Freeborn	425.0	280.0	325.0	70.0	45.0	72.5	55.0	0.0
Goodhue	560.0	352.5	280.0	95.0	137.5	72.5	25.0	0.0
Grant	125.0	140.0	35.0	100.0	0.0	0.0	25.0	0.0
Hennepin	14,452.5	8,392.5	5,995.0	2,615.0	3,245.0	3,407.5	1,537.5	2,837.5
Houston	395.0	115.0	60.0	0.0	0.0	72.5	15.0	0.0
Hubbard	285.0	205.0	200.0	55.0	0.0	0.0	10.0	135.0
Isanti	305.0	285.0	385.0	35.0	0.0	217.5	272.5	0.0
Itasca	650.0	600.0	345.0	50.0	25.0	0.0	15.0	155.0
Jackson	205.0	90.0	70.0	80.0	0.0	0.0	25.0	55.0
Kanabec	220.0	130.0	305.0	0.0	15.0	72.5	30.0	0.0
Kandiyohi	525.0	420.0	115.0	75.0	20.0	0.0	15.0	35.0
Kittson	160.0	45.0	60.0	0.0	0.0	0.0	0.0	0.0
Koochiching	135.0	225.0	120.0	60.0	0.0	72.5	20.0	0.0
Lac Qui Parle	185.0	95.0	110.0	0.0	0.0	0.0	15.0	0.0
Lake	135.0	110.0	105.0	0.0	0.0	0.0	70.0	0.0
Lake of the Woods	80.0	5.0	155.0	15.0	0.0	0.0	0.0	0.0
Le Sueur	305.0	205.0	150.0	65.0	0.0	0.0	20.0	0.0
Lincoln	80.0	35.0	35.0	35.0	0.0	0.0	5.0	0.0
Lyon	190.0	210.0	377.5	0.0	0.0	72.5	75.0	55.0
McLeod	390.0	170.0	292.5	65.0	72.5	0.0	70.0	35.0
Mahnomen	80.0	35.0	60.0	0.0	0.0	72.5	50.0	0.0
Marshall	100.0	125.0	80.0	0.0	72.5	72.5	45.0	0.0
Martin	427.5	245.0	55.0	35.0	0.0	0.0	40.0	0.0
Meeker	310.0	140.0	247.5	145.0	72.5	72.5	15.0	0.0
Mille Lacs	415.0	170.0	270.0	60.0	137.5	0.0	75.0	0.0
Morrison	555.0	350.0	467.5	120.0	72.5	72.5	40.0	0.0
Mower	557.5	345.0	310.0	200.0	145.0	72.5	30.0	55.0
Murray	45.0	70.0	75.0	35.0	0.0	0.0	15.0	0.0
Nicollet	205.0	240.0	50.0	145.0	0.0	0.0	75.0	0.0
Nobles	365.0	215.0	125.0	0.0	145.0	0.0	35.0	0.0
Norman	45.0	130.0	170.0	0.0	0.0	0.0	10.0	0.0
Olmsted	1,830.0	420.0	982.5	225.0	137.5	290.0	100.0	135.0

**Mortality Table 2: Minnesota YPLL to Age 75
in Minnesota by State and County, 1997**

	Cancer	Heart Disease	Unintent. Injury	Suicide	Cong. Anom.	Peri. Cond.	Stroke	Homicide
State of Minnesota	62,650.0	37,532.5	35,932.5	13,410.0	11,745.0	9,932.5	7,627.5	5,597.5
Otter Tail	635.0	645.0	365.0	230.0	5.0	0.0	30.0	0.0
Pennington	80.0	115.0	60.0	55.0	0.0	0.0	20.0	0.0
Pine	410.0	245.0	205.0	140.0	65.0	0.0	35.0	35.0
Pipestone	95.0	75.0	55.0	55.0	0.0	0.0	10.0	0.0
Polk	605.0	285.0	515.0	90.0	72.5	72.5	115.0	0.0
Pope	185.0	135.0	150.0	0.0	0.0	0.0	5.0	0.0
Ramsey	6,572.5	4,300.0	3,010.0	1,425.0	1,785.0	1,160.0	910.0	1,025.0
Red Lake	140.0	130.0	0.0	125.0	0.0	0.0	10.0	0.0
Redwood	240.0	170.0	242.5	5.0	0.0	0.0	40.0	0.0
Renville	225.0	220.0	155.0	0.0	35.0	0.0	20.0	0.0
Rice	762.5	265.0	500.0	30.0	72.5	0.0	40.0	0.0
Rock	170.0	60.0	35.0	55.0	0.0	145.0	55.0	0.0
Roseau	170.0	155.0	352.5	85.0	0.0	145.0	5.0	0.0
St. Louis	2,997.5	1,690.0	1,385.0	915.0	130.0	217.5	395.0	120.0
Scott	740.0	255.0	690.0	195.0	87.5	145.0	20.0	100.0
Sherburne	652.5	410.0	552.5	80.0	217.5	72.5	180.0	65.0
Sibley	220.0	45.0	115.0	15.0	0.0	0.0	40.0	0.0
Stearns	1,410.0	685.0	812.5	240.0	487.5	145.0	170.0	0.0
Steele	355.0	280.0	165.0	115.0	72.5	72.5	100.0	0.0
Stevens	170.0	40.0	125.0	80.0	72.5	0.0	5.0	0.0
Swift	165.0	75.0	145.0	0.0	65.0	0.0	55.0	0.0
Todd	540.0	245.0	70.0	70.0	0.0	0.0	70.0	0.0
Traverse	155.0	115.0	10.0	35.0	0.0	0.0	0.0	0.0
Wabasha	432.5	140.0	195.0	70.0	30.0	145.0	110.0	0.0
Wadena	205.0	130.0	245.0	45.0	0.0	0.0	0.0	0.0
Waseca	150.0	160.0	220.0	55.0	0.0	0.0	25.0	0.0
Washington	2,105.0	1,130.0	645.0	500.0	375.0	290.0	245.0	140.0
Watonwan	240.0	120.0	190.0	0.0	0.0	0.0	10.0	0.0
Wilkin	130.0	25.0	117.5	15.0	72.5	145.0	0.0	0.0
Winona	565.0	520.0	662.5	140.0	145.0	145.0	40.0	35.0
Wright	785.0	705.0	1,235.0	330.0	227.5	217.5	45.0	45.0
Yellow Medicine	125.0	140.0	105.0	55.0	0.0	0.0	15.0	0.0

Source: Minnesota Department of Health, Center for Health Statistics and the US Census.

ICD-9 Definitions on Page C-13

*Order of deaths is by the leading causes of YPLL for the State of Minnesota

Cong. Anom. - Congenital Anomalies

Peri. Cond. - Perinata Conditions

**Mortality Table 2: Minnesota YPLL to Age 75
in Minnesota by State and County, 1997**

	COPD	Diabetes	Cirrhosis	SIDS	Pneum./ Influenza	AIDS/HIV	Nephritis
State of Minnesota	4,955.0	4,950.0	3,960.0	3,770.0	2,580.0	2,255.0	1,432.5
Aitkin	15.0	0.0	45.0	72.5	5.0	0.0	0.0
Anoka	360.0	225.0	220.0	145.0	177.5	140.0	30.0
Becker	15.0	15.0	0.0	0.0	0.0	0.0	0.0
Beltrami	15.0	105.0	0.0	72.5	20.0	0.0	0.0
Benton	25.0	55.0	35.0	145.0	35.0	0.0	70.0
Big Stone	5.0	10.0	0.0	0.0	0.0	0.0	0.0
Blue Earth	30.0	135.0	25.0	0.0	5.0	45.0	10.0
Brown	60.0	5.0	15.0	72.5	5.0	0.0	5.0
Carlton	25.0	5.0	0.0	72.5	0.0	0.0	0.0
Carver	60.0	15.0	25.0	0.0	5.0	0.0	0.0
Cass	50.0	35.0	90.0	0.0	65.0	0.0	0.0
Chippewa	35.0	10.0	0.0	72.5	25.0	0.0	0.0
Chisago	55.0	15.0	50.0	72.5	0.0	5.0	5.0
Clay	40.0	80.0	20.0	72.5	15.0	0.0	0.0
Clearwater	25.0	5.0	20.0	0.0	0.0	0.0	0.0
Cook	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cottonwood	5.0	5.0	0.0	0.0	0.0	0.0	0.0
Crow Wing	110.0	35.0	45.0	0.0	30.0	35.0	20.0
Dakota	295.0	155.0	140.0	217.5	45.0	25.0	30.0
Dodge	10.0	0.0	0.0	72.5	0.0	0.0	0.0
Douglas	5.0	15.0	10.0	0.0	30.0	0.0	5.0
Faribault	20.0	30.0	25.0	72.5	0.0	0.0	5.0
Fillmore	30.0	10.0	5.0	0.0	5.0	0.0	0.0
Freeborn	25.0	85.0	35.0	0.0	25.0	45.0	0.0
Goodhue	80.0	65.0	5.0	145.0	5.0	0.0	5.0
Grant	0.0	0.0	0.0	0.0	0.0	0.0	5.0
Hennepin	1,055.0	1,275.0	1,135.0	797.5	645.0	1,220.0	385.0
Houston	15.0	5.0	0.0	0.0	0.0	0.0	5.0
Hubbard	5.0	40.0	0.0	0.0	0.0	0.0	5.0
Isanti	10.0	20.0	40.0	0.0	5.0	0.0	0.0
Itasca	30.0	80.0	55.0	72.5	30.0	0.0	5.0
Jackson	30.0	5.0	0.0	0.0	5.0	0.0	5.0
Kanabec	30.0	35.0	0.0	0.0	0.0	0.0	0.0
Kandiyohi	30.0	45.0	0.0	0.0	15.0	25.0	92.5
Kittson	15.0	0.0	0.0	0.0	0.0	0.0	0.0
Koochiching	5.0	35.0	5.0	0.0	50.0	0.0	35.0
Lac Qui Parle	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lake	45.0	0.0	15.0	0.0	15.0	0.0	0.0
Lake of the Woods	0.0	0.0	15.0	0.0	0.0	0.0	0.0
Le Sueur	25.0	0.0	0.0	0.0	5.0	0.0	0.0
Lincoln	5.0	0.0	0.0	0.0	0.0	0.0	0.0
Lyon	10.0	55.0	5.0	0.0	0.0	0.0	0.0
McLeod	25.0	30.0	0.0	0.0	0.0	0.0	0.0
Mahnomen	0.0	25.0	5.0	0.0	0.0	0.0	0.0
Marshall	20.0	60.0	0.0	0.0	0.0	0.0	0.0
Martin	35.0	50.0	5.0	0.0	35.0	0.0	0.0
Meeker	30.0	0.0	5.0	0.0	10.0	0.0	5.0
Mille Lacs	95.0	30.0	0.0	72.5	5.0	35.0	30.0
Morrison	35.0	5.0	20.0	0.0	50.0	0.0	0.0
Mower	25.0	55.0	5.0	72.5	0.0	0.0	25.0
Murray	30.0	45.0	0.0	0.0	0.0	0.0	5.0
Nicollet	5.0	35.0	15.0	145.0	5.0	0.0	0.0
Nobles	20.0	20.0	25.0	72.5	5.0	0.0	0.0
Norman	25.0	10.0	0.0	0.0	0.0	0.0	0.0
Olmsted	75.0	50.0	55.0	72.5	65.0	200.0	25.0

**Mortality Table 2: Minnesota YPLL to Age 75
in Minnesota by State and County, 1997**

	COPD	Diabetes	Cirrhosis	SIDS	Pneum./ Influenza	AIDS/HIV	Nephritis
State of Minnesota	4,955.0	4,950.0	3,960.0	3,770.0	2,580.0	2,255.0	1,432.5
Otter Tail	35.0	50.0	0.0	0.0	20.0	25.0	0.0
Pennington	65.0	0.0	25.0	72.5	35.0	0.0	0.0
Pine	15.0	25.0	30.0	145.0	20.0	0.0	5.0
Pipestone	0.0	0.0	0.0	0.0	0.0	0.0	5.0
Polk	45.0	30.0	25.0	0.0	50.0	0.0	0.0
Pope	5.0	0.0	25.0	0.0	5.0	0.0	15.0
Ramsey	685.0	555.0	640.0	362.5	405.0	165.0	335.0
Red Lake	10.0	15.0	15.0	0.0	0.0	0.0	0.0
Redwood	5.0	0.0	0.0	0.0	5.0	0.0	5.0
Renville	15.0	0.0	0.0	0.0	5.0	0.0	0.0
Rice	20.0	75.0	70.0	0.0	30.0	35.0	20.0
Rock	0.0	0.0	5.0	0.0	0.0	0.0	0.0
Roseau	15.0	10.0	0.0	0.0	0.0	0.0	0.0
St. Louis	370.0	300.0	435.0	145.0	282.5	70.0	35.0
Scott	35.0	55.0	5.0	0.0	10.0	0.0	35.0
Sherburne	75.0	10.0	15.0	0.0	0.0	0.0	0.0
Sibley	25.0	25.0	5.0	145.0	0.0	0.0	0.0
Stearns	55.0	90.0	45.0	0.0	30.0	0.0	50.0
Steele	35.0	45.0	55.0	72.5	0.0	0.0	0.0
Stevens	0.0	50.0	0.0	0.0	45.0	0.0	0.0
Swift	15.0	10.0	0.0	0.0	15.0	0.0	0.0
Todd	5.0	60.0	30.0	0.0	0.0	0.0	0.0
Traverse	0.0	5.0	0.0	0.0	5.0	0.0	5.0
Wabasha	5.0	5.0	5.0	0.0	5.0	0.0	0.0
Wadena	5.0	15.0	15.0	0.0	0.0	0.0	5.0
Waseca	10.0	10.0	70.0	0.0	0.0	0.0	15.0
Washington	115.0	335.0	25.0	0.0	45.0	105.0	60.0
Watsonwan	40.0	10.0	35.0	0.0	0.0	0.0	0.0
Wilkin	10.0	0.0	0.0	0.0	40.0	45.0	5.0
Winona	40.0	15.0	30.0	72.5	0.0	0.0	0.0
Wright	70.0	25.0	140.0	72.5	70.0	35.0	25.0
Yellow Medicine	5.0	0.0	0.0	72.5	15.0	0.0	0.0

Source: Minnesota Department of Health, Center for Health Statistics and the US Census.

ICD-9 Definitions on Page C-13

*Order of deaths is by the leading causes of YPLL for the State of Minnesota

COPD - Chronic Obstructive Pulmonary Disease

Leading Causes of Death and YPLL

Major Causes of Death Categories used for Leading Causes of Death and YPLL tables

Cause Category	ICD-9 Code
AIDS/HIV	042-044
Alzheimers Disease	331.0
Atherosclerosis	440
Cancer	140-208
Cirrhosis	571
Congenital Anomalies	740-759
Chronic Obstructive Pulmonary Disease	460-496
Diabetes	250
Heart Disease	390-398, 402, 404-429
Homicide	960-969
Nephritis	580-589
Perinatal Conditions	760-779
Pneumonia and Influenza	480-487
Septicemia	038
SIDS	798.0
Stroke (Cerebrovascular Disease)	430-438
Suicide	950-959
Unintentional Injury	800-949

Mortality Table 3a: Number of Fatal Unintentional Injuries, Homicides and Suicides in Minnesota by State and County, 1997

	Unintentional Injury			Homicide			Suicide		
	Under 20 Years	20 Years and Older	All Ages	Under 20 Years	20 Years and Older	All Ages	Under 20 Years	20 Years and Older	All Ages
State of Minnesota	194	1,472	1,666	32	100	133	38	384	422
Aitkin	1	8	9	0	0	0	0	1	1
Anoka	13	54	67	0	3	3	2	24	26
Becker	2	16	18	0	1	1	0	0	0
Beltrami	4	16	20	1	0	1	0	11	11
Benton	3	10	13	0	1	1	0	3	3
Big Stone	0	2	2	0	0	0	0	1	1
Blue Earth	3	13	16	0	0	0	1	5	6
Brown	0	6	6	0	0	0	0	2	2
Carlton	3	13	16	0	1	1	2	1	3
Carver	5	20	25	0	1	1	0	3	3
Cass	2	12	14	0	0	0	1	6	7
Chippewa	1	8	9	0	0	0	0	1	1
Chisago	1	11	12	0	0	0	0	4	4
Clay	3	15	18	0	1	1	1	3	4
Clearwater	1	3	4	0	0	0	0	1	1
Cook	0	1	1	0	0	0	0	0	0
Cottonwood	2	5	7	0	0	0	0	0	0
Crow Wing	6	18	24	0	1	1	0	8	8
Dakota	16	56	72	1	2	3	4	25	29
Dodge	0	8	8	0	0	0	0	1	1
Douglas	2	10	12	0	0	0	0	4	4
Faribault	0	5	5	0	0	0	0	0	0
Fillmore	1	10	11	0	0	0	0	0	0
Freeborn	0	12	12	0	0	0	1	1	2
Goodhue	1	11	12	0	0	0	1	2	3
Grant	0	2	2	0	0	0	0	2	2
Hennepin	25	362	387	16	50	66	4	90	94
Houston	1	2	3	0	0	0	0	0	0
Hubbard	0	7	7	1	2	3	1	0	1
Isanti	3	12	15	0	0	0	0	1	1
Itasca	1	12	13	2	1	3	0	2	2
Jackson	0	6	6	0	1	1	0	2	2
Kanabec	1	8	9	0	0	0	0	0	0
Kandiyohi	0	10	10	0	1	1	0	4	4
Kittson	0	4	4	0	0	0	0	0	0
Koochiching	0	8	8	0	0	0	0	2	2
Lac Qui Parle	0	7	7	0	0	0	0	0	0
Lake	1	2	3	0	0	0	0	0	0
Lake of the Woods	2	2	4	0	0	0	0	1	1
Le Sueur	0	10	10	0	0	0	1	0	1
Lincoln	0	4	4	0	0	0	0	1	1
Lyon	1	16	17	0	1	1	0	0	0
McLeod	1	1	2	0	1	1	0	3	3
Mahnomen	0	3	3	0	0	0	0	0	0
Marshall	0	6	6	0	0	0	0	0	0
Martin	2	8	10	0	0	0	0	1	1
Meeker	1	10	11	0	0	0	0	3	3
Mille Lacs	2	16	18	0	0	0	0	3	3
Morrison	2	12	14	0	0	0	0	4	4

Mortality Table 3a: Number of Fatal Unintentional Injuries, Homicides and Suicides in Minnesota by State and County, 1997

	Unintentional Injury			Homicide			Suicide		
	Under 20 Years	20 Years and Older	All Ages	Under 20 Years	20 Years and Older	All Ages	Under 20 Years	20 Years and Older	All Ages
State of Minnesota	194	1,472	1,666	32	100	133	38	384	422
Mower	1	4	5	1	0	1	2	2	4
Murray	0	4	4	0	0	0	0	1	1
Nicollet	0	7	7	0	0	0	2	1	3
Nobles	0	7	7	0	0	0	0	1	1
Norman	6	34	40	0	0	0	0	0	0
Olmsted	1	19	20	1	2	3	2	5	7
Otter Tail	0	3	3	0	0	0	1	5	6
Pennington	2	7	9	0	0	0	1	0	1
Pine	1	1	2	0	1	1	0	4	4
Pipestone	5	14	19	0	0	0	0	1	1
Polk	0	7	7	0	0	0	1	1	2
Pope	17	129	146	0	0	0	0	1	1
Ramsey	0	1	1	8	18	26	2	42	44
Red Lake	2	5	7	0	0	0	1	2	3
Redwood	1	10	11	0	0	0	0	1	1
Renville	1	23	24	0	0	0	0	0	0
Rice	0	2	2	0	0	0	0	2	2
Rock	3	8	11	0	0	0	0	1	1
Roseau	3	26	29	0	0	0	0	3	3
St. Louis	4	15	19	0	4	4	1	31	32
Scott	0	10	10	0	2	2	0	5	5
Sherburne	2	33	35	1	0	1	0	3	3
Sibley	0	9	9	0	0	0	0	2	2
Stearns	1	5	6	0	0	0	0	6	6
Steele	2	7	9	0	0	0	1	5	6
Stevens	0	8	8	0	0	0	0	2	2
Swift	0	3	3	0	0	0	0	0	0
Todd	1	7	8	0	0	0	0	2	2
Traverse	2	3	5	0	0	0	0	1	1
Wabasha	1	10	11	0	0	0	0	2	2
Wadena	3	28	31	0	0	0	0	1	1
Waseca	1	4	5	0	0	0	1	0	1
Washington	1	4	5	0	4	4	3	9	12
Watowan	6	11	17	0	0	0	0	0	0
Wilkin	8	34	42	0	0	0	0	1	1
Winona	1	4	5	0	1	1	0	4	4
Wright	1	12	13	0	1	1	0	11	11
Yellow Medicine	4	79	83	0	0	0	1	0	1

Source: Minnesota Department of Health, Center for

ICD-9 Codes:

Fatal Unintentional Injury: 800-949

Homicide: 960-978

Suicide: 950-959

Mortality Table 3b: Number of Fatal Falls and Fatal Motor Vehicle Injuries in Minnesota by State and County, 1997

	Falls			Motor Vehicle		
	Under 20 Years	20 Years and Older	All Ages	Under 20 Years	20 Years and Older	All Ages
State of Minnesota	10	533	543	119	472	591
Aitkin	0	1	1	0	5	5
Anoka	0	22	22	10	18	28
Becker	0	3	3	0	6	6
Beltrami	0	1	1	1	10	11
Benton	2	4	6	0	2	2
Big Stone	0	1	1	0	1	1
Blue Earth	1	5	6	1	6	7
Brown	0	2	2	0	2	2
Carlton	0	5	5	3	5	8
Carver	1	3	4	3	7	10
Cass	0	3	3	2	4	6
Chippewa	0	2	2	1	2	3
Chisago	0	7	7	1	2	3
Clay	0	4	4	2	5	7
Clearwater	0	1	1	1	0	1
Cook	0	1	1	0	0	0
Cottonwood	1	1	2	0	2	2
Crow Wing	0	6	6	2	6	8
Dakota	0	15	15	11	23	34
Dodge	0	3	3	0	3	3
Douglas	0	2	2	1	3	4
Faribault	0	1	1	0	1	1
Fillmore	0	4	4	1	5	6
Freeborn	0	4	4	0	4	4
Goodhue	0	2	2	1	6	7
Grant	0	1	1	0	1	1
Hennepin	2	189	191	16	72	88
Houston	0	2	2	0	0	0
Hubbard	0	1	1	0	6	6
Isanti	0	4	4	3	4	7
Itasca	0	2	2	1	6	7
Jackson	0	3	3	0	1	1
Kanabec	0	1	1	1	2	3
Kandiyohi	0	3	3	0	4	4
Kittson	0	1	1	0	1	1
Koochiching	0	3	3	0	3	3
Lac Qui Parle	0	2	2	0	3	3
Lake	0	0	0	0	1	1
Lake of the Woods	0	1	1	2	1	3
Le Sueur	0	4	4	0	2	2
Lincoln	0	2	2	0	1	1
Lyon	0	6	6	0	7	7
McLeod	1	4	5	0	5	5
Mahnomen	0	0	0	0	0	0
Marshall	0	1	1	0	1	1
Martin	0	3	3	0	1	1
Meeker	0	2	2	2	3	5
Mille Lacs	0	4	4	0	3	3
Morrison	0	1	1	0	6	6

Mortality Table 3b: Number of Fatal Falls and Fatal Motor Vehicle Injuries in Minnesota by State and County, 1997

	Falls			Motor Vehicle		
	Under 20 Years	20 Years and Older	All Ages	Under 20 Years	20 Years and Older	All Ages
State of Minnesota	10	533	543	119	472	591
Mower	1	5	6	1	5	6
Murray	0	1	1	1	1	2
Nicollet	0	4	4	0	0	0
Nobles	0	4	4	0	0	0
Norman	0	1	1	0	1	1
Olmsted	0	14	14	4	10	14
Otter Tail	0	6	6	1	6	7
Pennington	0	1	1	0	0	0
Pine	0	4	4	2	1	3
Pipestone	0	1	1	1	0	1
Polk	0	6	6	1	4	5
Pope	0	2	2	0	2	2
Ramsey	1	40	41	9	39	48
Red Lake	0	0	0	0	1	1
Redwood	0	1	1	1	3	4
Renville	0	4	4	1	3	4
Rice	0	8	8	0	7	7
Rock	0	0	0	0	1	1
Roseau	0	4	4	2	3	5
St. Louis	0	25	25	3	23	26
Scott	0	7	7	2	15	17
Sherburne	0	4	4	4	7	11
Sibley	0	3	3	0	6	6
Stearns	0	10	10	1	11	12
Steele	0	3	3	0	4	4
Stevens	0	0	0	0	3	3
Swift	0	4	4	2	3	5
Todd	0	2	2	0	4	4
Traverse	0	0	0	0	2	2
Wabasha	0	1	1	1	4	5
Wadena	0	0	0	1	1	2
Waseca	0	0	0	1	2	3
Washington	0	12	12	2	8	10
Watonwan	0	1	1	1	3	4
Wilkin	0	1	1	0	2	2
Winona	0	2	2	3	5	8
Wright	0	7	7	7	18	25
Yellow Medicine	0	2	2	1	1	2

Source: Minnesota Department of Health Center for Health Statistics

ICD-9 Codes:

Motor Vehicle Injury (non-pedestrian): 810-819 (.0-.6, .8-.9), 810-819(.9)

Falls: 880-881, 882, 883-884, 885, 885,888

Mortality Table 4a: Number and Percent of Cancer Deaths by Type of Cancer Site and Sex in Minnesota by State and County, 1993-1995**

	Breast				Colon and Rectum			
	Men		Women		Men		Women	
	Number	Percent*	Number	Percent^	Number	Percent*	Number	Percent^
State of Minnesota	18	0.1	2213	17.9	1332	10.0	1422	11.5
Aitkin	1	1.5	10	14.7	8	11.8	11	16.2
Anoka	1	0.2	80	18.3	50	11.1	33	7.6
Becker	0	0.0	11	12.9	11	9.7	16	18.8
Beltrami	0	0.0	10	11.1	13	13.0	15	16.7
Benton	0	0.0	14	18.4	14	13.6	4	5.3
Big Stone	0	0.0	6	14.6	6	18.8	4	9.8
Blue Earth	0	0.0	23	16.4	15	10.2	17	12.1
Brown	0	0.0	11	13.1	16	13.8	12	14.3
Carlton	0	0.0	7	8.9	5	4.5	13	16.5
Carver	0	0.0	15	15.2	16	13.2	16	16.2
Cass	0	0.0	8	10.5	8	6.5	10	13.2
Chippewa	0	0.0	10	25.6	7	13.2	5	12.8
Chisago	0	0.0	16	14.7	9	8.1	14	12.8
Clay	0	0.0	22	20.6	14	10.9	15	14.0
Clearwater	0	0.0	9	31.0	4	11.4	2	6.9
Cook	0	0.0	3	25.0	1	10.0	1	8.3
Cottonwood	0	0.0	11	25.0	6	12.2	7	15.9
Crow Wing	0	0.0	35	22.6	25	12.6	22	14.2
Dakota	0	0.0	102	18.9	47	9.7	39	7.2
Dodge	0	0.0	7	22.6	2	4.3	8	25.8
Douglas	1	0.7	14	13.7	19	13.8	9	8.8
Faribault	0	0.0	9	14.8	8	10.8	12	19.7
Fillmore	0	0.0	15	21.1	10	11.2	12	16.9
Freeborn	1	0.8	22	19.3	16	12.8	14	12.3
Goodhue	0	0.0	34	27.0	9	6.9	17	13.5
Grant	0	0.0	7	35.0	6	15.0	5	25.0
Hennepin	4	0.1	548	19.0	246	8.9	285	9.9
Houston	0	0.0	11	16.2	8	11.9	6	8.8
Hubbard	0	0.0	11	16.4	6	8.0	5	7.5
Isanti	0	0.0	12	19.7	5	8.9	9	14.8
Itasca	0	0.0	24	16.4	32	16.0	14	9.6
Jackson	0	0.0	7	17.9	4	7.7	8	20.5
Kanabec	0	0.0	4	9.8	3	7.3	5	12.2
Kandiyohi	0	0.0	25	20.8	11	9.6	17	14.2
Kittson	0	0.0	4	21.1	1	3.0	2	10.5
Koochiching	0	0.0	10	17.2	3	5.4	6	10.3
Lac Qui Parle	0	0.0	3	10.7	5	8.8	5	17.9
Lake	0	0.0	7	13.5	3	4.8	11	21.2
Lake of the Woods	0	0.0	3	18.8	0	0.0	0	0.0
Le Sueur	0	0.0	20	25.0	9	10.7	9	11.3
Lincoln	0	0.0	11	23.4	8	14.3	8	17.0
Lyon	0	0.0	17	23.6	6	6.5	6	8.3
McLeod	0	0.0	18	19.1	11	12.8	10	10.6
Mahnomen	0	0.0	4	23.5	2	8.7	2	11.8
Marshall	0	0.0	4	12.5	3	7.1	5	15.6
Martin	0	0.0	13	16.5	11	12.1	11	13.9
Meeker	0	0.0	13	21.7	4	5.3	7	11.7
Mille Lacs	0	0.0	13	19.7	9	11.1	9	13.6
Morrison	0	0.0	15	16.3	7	7.1	13	14.1

Mortality Table 4a: Number and Percent of Cancer Deaths by Type of Cancer Site and Sex in Minnesota by State and County, 1993-1995**

	Breast				Colon and Rectum			
	Men		Women		Men		Women	
	Number	Percent*	Number	Percent^	Number	Percent*	Number	Percent^
Mower	0	0.0	27	19.9	25	13.1	21	15.4
Murray	0	0.0	6	14.3	3	6.8	5	11.9
Nicollet	1	1.4	10	18.2	8	11.3	6	10.9
Nobles	0	0.0	13	17.6	7	8.5	4	5.4
Norman	0	0.0	8	20.0	9	19.6	6	15.0
Olmsted	1	0.4	51	18.2	20	7.7	30	10.7
Otter Tail	0	0.0	36	17.7	22	10.8	22	10.8
Pennington	0	0.0	11	22.0	2	5.3	7	14.0
Pine	0	0.0	8	11.8	8	9.2	10	14.7
Pipestone	0	0.0	10	23.3	5	10.0	8	18.6
Polk	0	0.0	20	14.8	14	9.9	21	15.6
Pope	0	0.0	3	7.0	4	7.8	4	9.3
Ramsey	2	0.1	228	15.7	135	9.7	162	11.2
Red Lake	0	0.0	1	7.7	1	5.9	0	0.0
Redwood	0	0.0	10	15.9	12	14.8	11	17.5
Renville	0	0.0	9	14.8	8	9.2	7	11.5
Rice	0	0.0	26	21.5	19	11.7	12	9.9
Rock	0	0.0	7	19.4	3	6.4	2	5.6
Roseau	0	0.0	5	13.2	6	11.8	2	5.3
St. Louis	1	0.1	121	16.7	71	9.8	84	11.6
Scott	0	0.0	24	18.9	16	14.4	9	7.1
Sherburne	0	0.0	21	20.6	7	7.5	14	13.7
Sibley	1	1.8	13	28.9	13	23.2	5	11.1
Stearns	1	0.3	44	16.0	26	8.9	26	9.5
Steele	0	0.0	18	20.7	14	13.6	11	12.6
Stevens	0	0.0	6	23.1	7	19.4	5	19.2
Swift	1	1.8	7	16.7	5	8.8	4	9.5
Todd	0	0.0	13	20.3	7	8.1	11	17.2
Traverse	0	0.0	3	13.6	2	8.0	4	18.2
Wabasha	0	0.0	12	23.1	10	13.2	11	21.2
Wadena	0	0.0	12	22.2	13	18.1	8	14.8
Waseca	0	0.0	9	17.6	5	7.1	4	7.8
Washington	0	0.0	55	18.2	33	10.5	38	12.5
Watonwan	0	0.0	8	21.1	3	7.0	8	21.1
Wilkin	0	0.0	2	10.5	2	6.7	7	36.8
Winona	1	0.6	14	10.1	14	9.0	26	18.7
Wright	1	0.5	27	21.3	21	9.8	11	8.7
Yellow Medicine	0	0.0	7	18.4	10	13.3	10	26.3

Source: Minnesota Department of Health, Minnesota Cancer Surveillance System

**Includes number of deaths for the years 1993, 1994 and 1995.

*Percent = # specific cancers deaths in males for county (or state) / total cancers deaths in males for county (or state)

^Percent = # specific cancers deaths in females for county (or state) / total cancers deaths in females for county (or state)

Mortality Table 4b: Number and Percent of Cancer Deaths by Type of Cancer Site and Sex in Minnesota by State and County, 1993-1995**

	Lung				Prostate			
	Men		Women		Men		Women	
	Number	Percent*	Number	Percent^	Number	Percent*	Number	Percent^
State of Minnesota	3,698	27.9	2,448	19.8	1,930	14.5	0	0.0
Aitkin	19	27.9	17	25.0	6	8.8	0	0.0
Anoka	136	30.3	118	27.0	47	10.5	0	0.0
Becker	36	31.9	23	27.1	17	15.0	0	0.0
Beltrami	34	34.0	16	17.8	2	2.0	0	0.0
Benton	33	32.0	12	15.8	10	9.7	0	0.0
Big Stone	10	31.3	4	9.8	3	9.4	0	0.0
Blue Earth	40	27.2	21	15.0	22	15.0	0	0.0
Brown	31	26.7	12	14.3	19	16.4	0	0.0
Carlton	36	32.7	18	22.8	12	10.9	0	0.0
Carver	29	24.0	14	14.1	15	12.4	0	0.0
Cass	36	29.3	10	13.2	12	9.8	0	0.0
Chippewa	16	30.2	2	5.1	11	20.8	0	0.0
Chisago	32	28.8	21	19.3	15	13.5	0	0.0
Clay	37	28.9	22	20.6	28	21.9	0	0.0
Clearwater	8	22.9	7	24.1	6	17.1	0	0.0
Cook	2	20.0	3	25.0	3	30.0	0	0.0
Cottonwood	11	22.4	4	9.1	10	20.4	0	0.0
Crow Wing	47	23.7	25	16.1	25	12.6	0	0.0
Dakota	153	31.5	119	22.0	60	12.3	0	0.0
Dodge	12	26.1	4	12.9	5	10.9	0	0.0
Douglas	39	28.3	18	17.6	17	12.3	0	0.0
Faribault	20	27.0	6	9.8	13	17.6	0	0.0
Fillmore	24	27.0	8	11.3	16	18.0	0	0.0
Freeborn	33	26.4	21	18.4	20	16.0	0	0.0
Goodhue	31	23.8	17	13.5	27	20.8	0	0.0
Grant	7	17.5	1	5.0	5	12.5	0	0.0
Hennepin	785	28.3	636	22.1	392	14.1	0	0.0
Houston	18	26.9	13	19.1	13	19.4	0	0.0
Hubbard	29	38.7	21	31.3	9	12.0	0	0.0
Isanti	20	35.7	15	24.6	13	23.2	0	0.0
Itasca	59	29.5	30	20.5	18	9.0	0	0.0
Jackson	15	28.8	3	7.7	9	17.3	0	0.0
Kanabec	11	26.8	9	22.0	5	12.2	0	0.0
Kandiyohi	29	25.2	15	12.5	21	18.3	0	0.0
Kittson	13	39.4	2	10.5	9	27.3	0	0.0
Koochiching	21	37.5	14	24.1	8	14.3	0	0.0
Lac Qui Parle	14	24.6	2	7.1	10	17.5	0	0.0
Lake	17	27.4	13	25.0	5	8.1	0	0.0
Lake of the Woods	5	31.3	6	37.5	4	25.0	0	0.0
Le Sueur	13	15.5	13	16.3	16	19.0	0	0.0
Lincoln	19	33.9	9	19.1	14	25.0	0	0.0
Lyon	21	22.8	15	20.8	18	19.6	0	0.0
McLeod	17	19.8	11	11.7	15	17.4	0	0.0
Mahnomen	7	30.4	3	17.6	4	17.4	0	0.0
Marshall	6	14.3	1	3.1	7	16.7	0	0.0
Martin	21	23.1	11	13.9	11	12.1	0	0.0
Meeker	19	25.3	9	15.0	15	20.0	0	0.0
Mille Lacs	22	27.2	16	24.2	16	19.8	0	0.0
Morrison	24	24.2	17	18.5	18	18.2	0	0.0

Mortality Table 4b: Number and Percent of Cancer Deaths by Type of Cancer Site and Sex in Minnesota by State and County, 1993-1995**

	Lung				Prostate			
	Men		Women		Men		Women	
	Number	Percent*	Number	Percent^	Number	Percent*	Number	Percent^
Mower	58	30.4	24	17.6	31	16.2	0	0.0
Murray	9	20.5	5	11.9	6	13.6	0	0.0
Nicollet	17	23.9	6	10.9	9	12.7	0	0.0
Nobles	22	26.8	10	13.5	15	18.3	0	0.0
Norman	13	28.3	11	27.5	6	13.0	0	0.0
Olmsted	65	25.1	33	11.8	37	14.3	0	0.0
Otter Tail	49	24.1	36	17.7	38	18.7	0	0.0
Pennington	10	26.3	5	10.0	7	18.4	0	0.0
Pine	26	29.9	21	30.9	10	11.5	0	0.0
Pipestone	18	36.0	3	7.0	9	18.0	0	0.0
Polk	36	25.4	30	22.2	28	19.7	0	0.0
Pope	13	25.5	13	30.2	11	21.6	0	0.0
Ramsey	405	29.1	330	22.8	178	12.8	0	0.0
Red Lake	5	29.4	2	15.4	6	35.3	0	0.0
Redwood	16	19.8	7	11.1	18	22.2	0	0.0
Renville	24	27.6	4	6.6	18	20.7	0	0.0
Rice	36	22.2	19	15.7	29	17.9	0	0.0
Rock	13	27.7	4	11.1	4	8.5	0	0.0
Roseau	15	29.4	8	21.1	9	17.6	0	0.0
St. Louis	217	29.8	150	20.7	90	12.4	0	0.0
Scott	25	22.5	25	19.7	13	11.7	0	0.0
Sherburne	26	28.0	16	15.7	14	15.1	0	0.0
Sibley	9	16.1	9	20.0	12	21.4	0	0.0
Stearns	74	25.4	67	24.4	42	14.4	0	0.0
Steele	27	26.2	9	10.3	14	13.6	0	0.0
Stevens	10	27.8	2	7.7	6	16.7	0	0.0
Swift	11	19.3	7	16.7	10	17.5	0	0.0
Todd	35	40.7	12	18.8	17	19.8	0	0.0
Traverse	6	24.0	1	4.5	6	24.0	0	0.0
Wabasha	21	27.6	9	17.3	14	18.4	0	0.0
Wadena	16	22.2	5	9.3	14	19.4	0	0.0
Waseca	16	22.9	10	19.6	13	18.6	0	0.0
Washington	87	27.7	68	22.4	33	10.5	0	0.0
Watsonwan	16	37.2	5	13.2	8	18.6	0	0.0
Wilkin	6	20.0	2	10.5	1	3.3	0	0.0
Winona	50	32.1	23	16.5	33	21.2	0	0.0
Wright	57	26.6	25	19.7	29	13.6	0	0.0
Yellow Medicine	22	29.3	5	13.2	16	21.3	0	0.0

Source: Minnesota Department of Health, Minnesota Cancer Surveillance System

**Includes number of deaths for the years 1993, 1994 and 1995.

*Percent = # specific cancers deaths in males for county (or state) / total cancers deaths in males for county (or state)

^Percent = # specific cancers deaths in females for county (or state) / total cancers deaths in females for county (or state)

Mortality Table 4c: Number and Percent of Cancer Deaths by Type of Cancer Site and Sex in Minnesota by State and County, 1993-1995**

	Other				Total			
	Men		Women		Men		Women	
	Number	Percent^	Number	Percent^	Number	Percent*	Number	Percent^
State of Minnesota	6,289	47.4	6,269	50.8	13,267	100.0	12,352	100.0
Aitkin	34	50.0	30	44.1	68	100.0	68	100.0
Anoka	215	47.9	206	47.1	449	100.0	437	100.0
Becker	49	43.4	35	41.2	113	100.0	85	100.0
Beltrami	51	51.0	49	54.4	100	100.0	90	100.0
Benton	46	44.7	46	60.5	103	100.0	76	100.0
Big Stone	13	40.6	27	65.9	32	100.0	41	100.0
Blue Earth	70	47.6	79	56.4	147	100.0	140	100.0
Brown	50	43.1	49	58.3	116	100.0	84	100.0
Carlton	57	51.8	41	51.9	110	100.0	79	100.0
Carver	61	50.4	54	54.5	121	100.0	99	100.0
Cass	67	54.5	48	63.2	123	100.0	76	100.0
Chippewa	19	35.8	22	56.4	53	100.0	39	100.0
Chisago	55	49.5	58	53.2	111	100.0	109	100.0
Clay	49	38.3	48	44.9	128	100.0	107	100.0
Clearwater	17	48.6	11	37.9	35	100.0	29	100.0
Cook	4	40.0	5	41.7	10	100.0	12	100.0
Cottonwood	22	44.9	22	50.0	49	100.0	44	100.0
Crow Wing	101	51.0	73	47.1	198	100.0	155	100.0
Dakota	226	46.5	281	51.9	486	100.0	541	100.0
Dodge	27	58.7	12	38.7	46	100.0	31	100.0
Douglas	62	44.9	61	59.8	138	100.0	102	100.0
Faribault	33	44.6	34	55.7	74	100.0	61	100.0
Fillmore	39	43.8	36	50.7	89	100.0	71	100.0
Freeborn	55	44.0	57	50.0	125	100.0	114	100.0
Goodhue	63	48.5	58	46.0	130	100.0	126	100.0
Grant	22	55.0	7	35.0	40	100.0	20	100.0
Hennepin	1349	48.6	1408	48.9	2776	100.0	2877	100.0
Houston	28	41.8	38	55.9	67	100.0	68	100.0
Hubbard	31	41.3	30	44.8	75	100.0	67	100.0
Isanti	18	32.1	25	41.0	56	100.0	61	100.0
Itasca	91	45.5	78	53.4	200	100.0	146	100.0
Jackson	24	46.2	21	53.8	52	100.0	39	100.0
Kanabec	22	53.7	23	56.1	41	100.0	41	100.0
Kandiyohi	54	47.0	63	52.5	115	100.0	120	100.0
Kittson	10	30.3	11	57.9	33	100.0	19	100.0
Koochiching	24	42.9	28	48.3	56	100.0	58	100.0
Lac Qui Parle	28	49.1	18	64.3	57	100.0	28	100.0
Lake	37	59.7	21	40.4	62	100.0	52	100.0
Lake of the Woods	7	43.8	7	43.8	16	100.0	16	100.0
Le Sueur	46	54.8	38	47.5	84	100.0	80	100.0
Lincoln	15	26.8	19	40.4	56	100.0	47	100.0
Lyon	47	51.1	34	47.2	92	100.0	72	100.0
McLeod	43	50.0	55	58.5	86	100.0	94	100.0
Mahnomen	10	43.5	8	47.1	23	100.0	17	100.0
Marshall	26	61.9	22	68.8	42	100.0	32	100.0
Martin	48	52.7	44	55.7	91	100.0	79	100.0
Meeker	37	49.3	31	51.7	75	100.0	60	100.0
Mille Lacs	34	42.0	28	42.4	81	100.0	66	100.0
Morrison	50	50.5	47	51.1	99	100.0	92	100.0

Mortality Table 4c: Number and Percent of Cancer Deaths by Type of Cancer Site and Sex in Minnesota by State and County, 1993-1995**

	Other				Total			
	Men		Women		Men		Women	
	Number	Percent^	Number	Percent^	Number	Percent*	Number	Percent^
Mower	77	40.3	64	47.1	191	100.0	136	100.0
Murray	26	59.1	26	61.9	44	100.0	42	100.0
Nicollet	36	50.7	33	60.0	71	100.0	55	100.0
Nobles	38	46.3	47	63.5	82	100.0	74	100.0
Norman	18	39.1	15	37.5	46	100.0	40	100.0
Olmsted	136	52.5	166	59.3	259	100.0	280	100.0
Otter Tail	94	46.3	109	53.7	203	100.0	203	100.0
Pennington	19	50.0	27	54.0	38	100.0	50	100.0
Pine	43	49.4	29	42.6	87	100.0	68	100.0
Pipestone	18	36.0	22	51.2	50	100.0	43	100.0
Polk	64	45.1	64	47.4	142	100.0	135	100.0
Pope	23	45.1	23	53.5	51	100.0	43	100.0
Ramsey	673	48.3	728	50.3	1393	100.0	1448	100.0
Red Lake	5	29.4	10	76.9	17	100.0	13	100.0
Redwood	35	43.2	35	55.6	81	100.0	63	100.0
Renville	37	42.5	41	67.2	87	100.0	61	100.0
Rice	78	48.1	64	52.9	162	100.0	121	100.0
Rock	27	57.4	23	63.9	47	100.0	36	100.0
Roseau	21	41.2	23	60.5	51	100.0	38	100.0
St. Louis	349	47.9	370	51.0	728	100.0	725	100.0
Scott	57	51.4	69	54.3	111	100.0	127	100.0
Sherburne	46	49.5	51	50.0	93	100.0	102	100.0
Sibley	21	37.5	18	40.0	56	100.0	45	100.0
Stearns	148	50.9	138	50.2	291	100.0	275	100.0
Steele	48	46.6	49	56.3	103	100.0	87	100.0
Stevens	13	36.1	13	50.0	36	100.0	26	100.0
Swift	30	52.6	24	57.1	57	100.0	42	100.0
Todd	27	31.4	28	43.8	86	100.0	64	100.0
Traverse	11	44.0	14	63.6	25	100.0	22	100.0
Wabasha	31	40.8	20	38.5	76	100.0	52	100.0
Wadena	29	40.3	29	53.7	72	100.0	54	100.0
Waseca	36	51.4	28	54.9	70	100.0	51	100.0
Washington	161	51.3	142	46.9	314	100.0	303	100.0
Watonwan	16	37.2	17	44.7	43	100.0	38	100.0
Wilkin	21	70.0	8	42.1	30	100.0	19	100.0
Winona	58	37.2	76	54.7	156	100.0	139	100.0
Wright	106	49.5	64	50.4	214	100.0	127	100.0
Yellow Medicine	27	36.0	16	42.1	75	100.0	38	100.0

Source: Minnesota Department of Health, Minnesota Cancer Surveillance System

**Includes number of deaths for the years 1993, 1994 and 1995.

*Percent = # specific cancers deaths in males for county (or state) / total cancers deaths in males for county (or state)

^Percent = # specific cancers deaths in females for county (or state) / total cancers deaths in females for county (or state)

Section D: Morbidity and Utilization

Tables

Table 1: Number of Cases of Vaccine Preventable Disease

Table 2: Number of Cases of Sexually Transmitted Diseases

Table 3: Number of Cases of Other Reportable Diseases

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Morbidity Table 1: Number of Cases of Vaccine Preventable Disease Morbidity in Minnesota By State and County, 1997

	Measles	Mumps	Pertussis	Hepatitis A	Hepatitis B
State of Minnesota	8	7	547	243	61
Aitkin	0	0	0	5	0
Anoka	0	0	49	4	2
Becker	0	0	0	7	0
Beltrami	0	0	0	1	0
Benton	0	0	10	0	0
Big Stone	0	0	0	1	0
Blue Earth	0	0	4	1	0
Brown	0	0	0	0	0
Carlton	0	0	0	8	0
Carver	3	1	7	2	0
Cass	0	0	0	1	1
Chippewa	0	0	0	0	0
Chisago	0	0	0	0	0
Clay	1	0	1	0	0
Clearwater	0	0	0	0	0
Cook	0	0	0	0	0
Cottonwood	0	0	0	0	0
Crow Wing	0	0	2	3	1
Dakota	0	0	94	10	2
Dodge	0	0	0	0	0
Douglas	0	0	7	2	1
Faribault	0	0	0	1	0
Fillmore	0	0	6	0	0
Freeborn	0	0	0	4	0
Goodhue	0	0	2	1	1
Grant	0	0	1	0	0
Hennepin	2	4	118	93	28
Houston	0	0	0	0	0
Hubbard	0	0	0	0	0
Isanti	0	0	1	0	0
Itasca	0	0	0	0	0
Jackson	0	0	4	1	0
Kanabec	0	0	1	0	0
Kandiyohi	0	0	12	3	0
Kittson	0	0	0	0	0
Koochiching	0	0	0	0	0
Lac Qui Parle	0	0	0	0	0
Lake	0	0	0	0	0
Lake of the Woods	0	0	0	0	0
Le Sueur	0	0	0	1	0
Lincoln	0	0	0	0	0
Lyon	0	0	0	1	0
McLeod	1	0	13	2	0
Mahnomen	0	0	0	0	0
Marshall	0	0	0	2	0
Martin	0	0	1	0	0
Meeker	0	0	4	0	0
Mille Lacs	0	0	0	0	0
Morrison	0	0	0	1	0
Mower	0	0	0	0	0
Murray	0	0	0	0	0
Nicollet	0	0	0	1	0

Morbidity Table 1: Number of Cases of Vaccine Preventable Disease Morbidity in Minnesota By State and County, 1997

	Measles	Mumps	Pertussis	Hepatitis A	Hepatitis B
State of Minnesota	8	7	547	243	61
Nobles	0	0	0	0	1
Norman	0	0	0	1	0
Olmsted	0	0	3	3	0
Otter Tail	0	0	1	9	0
Pennington	0	0	0	1	0
Pine	0	0	0	1	0
Pipestone	0	0	0	0	0
Polk	0	0	2	0	1
Pope	0	0	3	0	1
Ramsey	1	1	129	24	10
Red Lake	0	0	0	0	0
Redwood	0	0	0	0	0
Renville	0	0	0	1	0
Rice	0	0	6	8	3
Rock	0	0	0	0	0
Roseau	0	0	0	0	0
St. Louis	0	0	5	4	2
Scott	0	0	7	9	0
Sherburne	0	0	1	0	0
Sibley	0	0	0	0	0
Stearns	0	1	12	2	2
Steele	0	0	0	1	0
Stevens	0	0	0	0	0
Swift	0	0	5	0	0
Todd	0	0	0	0	0
Traverse	0	0	0	1	0
Wabasha	0	0	2	0	0
Wadena	0	0	1	3	0
Waseca	0	0	0	0	0
Washington	0	0	27	4	3
Watsonwan	0	0	1	0	0
Wilkin	0	0	0	1	0
Winona	0	0	1	6	0
Wright	0	0	4	8	2
Yellow Medicine	0	0	0	0	0

Source: Minnesota Department of Health - Immunization, TB & International Health Section

Note: There were no cases of diphtheria, rubella or polio in Minnesota in 1997. There was one case of tetanus in Minnesota in 1997.

For information on definitions, sources of information, prevention and other information about these or other reportable diseases, please contact the Infectious Disease Epidemiology Prevention and Control Division at 651/201-5414

Morbidity Table 2: Number of Cases of Sexually Transmitted Diseases Reported in Minnesota By State and County, 1997

	Chlamydia ¹	Gonorrhea ¹	Syphilis - All Stages ²	AIDS ³	HIV
State of Minnesota	6,779	2,429	115	185	209
Aitkin	1	0	0	1	0
Anoka	248	64	6	7	10
Becker	24	0	0	0	0
Beltrami	45	9	0	0	0
Benton	21	2	0	0	0
Big Stone	0	0	0	0	0
Blue Earth	72	12	0	1	0
Brown	9	3	1	0	0
Carlton	23	2	2	0	0
Carver	17	5	0	0	0
Cass	24	8	0	1	0
Chippewa	6	0	0	0	0
Chisago	23	1	1	0	0
Clay	48	3	0	0	1
Clearwater	3	0	0	0	0
Cook	3	3	0	0	0
Cottonwood	6	0	0	0	0
Crow Wing	32	1	0	0	1
Dakota	253	53	5	2	7
Dodge	11	4	0	0	0
Douglas	8	0	0	1	0
Faribault	7	0	0	1	0
Fillmore	15	0	0	0	0
Freeborn	21	0	0	1	0
Goodhue	20	1	0	0	0
Grant	6	0	0	0	0
Hennepin	3,218	1,655	59	114	140
Houston	4	2	0	0	1
Hubbard	6	0	0	0	0
Isanti	11	0	0	0	0
Itasca	25	2	0	0	1
Jackson	4	0	0	0	0
Kanabec	6	0	0	0	0
Kandiyohi	47	0	4	1	0
Kittson	2	0	0	0	0
Koochiching	7	0	0	0	0
Lac Qui Parle	2	0	0	0	0
Lake	7	0	0	0	0
Lake of the Woods	0	0	0	0	0
Le Sueur	5	1	0	0	0
Lincoln	0	0	0	0	0
Lyon	21	1	0	0	0
McLeod	5	1	0	0	0
Mahnomen	4	0	0	0	0
Marshall	3	0	0	0	0
Martin	10	0	1	0	0
Meeker	9	1	0	0	0
Mille Lacs	3	2	0	1	0
Morrison	10	0	0	2	0
Mower	40	6	0	0	2
Murray	1	0	0	0	0
Nicollet	2	2	0	0	0

Morbidity Table 2: Number of Cases of Sexually Transmitted Diseases Reported in Minnesota By State and County, 1997

	Chlamydia ¹	Gonorrhea ¹	Syphilis - All Stages ²	AIDS ³	HIV
State of Minnesota	6,779	2,429	115	185	209
Nobles	10	1	1	1	1
Norman	2	0	0	0	0
Olmsted	160	34	7	1	0
Otter Tail	13	1	0	0	0
Pennington	9	0	0	1	0
Pine	14	3	0	0	0
Pipestone	0	0	0	0	0
Polk	35	2	0	0	0
Pope	3	1	0	0	0
Ramsey	1,350	426	10	38	36
Red Lake	0	0	0	0	0
Redwood	6	0	0	0	0
Renville	5	1	0	1	0
Rice	23	2	2	1	0
Rock	0	1	0	0	0
Roseau	4	0	0	0	0
St. Louis	243	24	1	2	2
Scott	39	0	0	0	0
Sherburne	15	6	1	0	0
Sibley	2	2	0	0	0
Stearns	179	32	7	2	0
Steele	21	0	1	0	0
Stevens	4	1	0	0	0
Swift	5	0	1	0	0
Todd	8	1	0	0	0
Traverse	2	0	0	0	0
Wabasha	11	2	0	0	0
Wadena	2	0	0	1	1
Waseca	5	1	1	0	0
Washington	113	28	4	4	5
Watowan	6	1	0	0	1
Wilkin	1	0	0	0	0
Winona	58	13	0	0	0
Wright	30	2	0	0	0
Yellow Medicine	3	0	0	0	0

Source: Minnesota Department of Health, Acute Disease Epidemiology

¹ Data exclude cases diagnosed in federal or private correctional facilities;

² Neurosyphilis, primary, secondary, early latent, late latent, congenital and other syphilis

³ AIDS cases may include previously reported HIV(non-AIDS) cases which have progressed to AIDS as of 12/31/99

HIV Surveillance Reports, MDH www.health.state.mn.us/divs/idepc/diseases/hiv/hivstatistics.html

STD Surveillance Reports, MDH: www.health.state.mn.us/divs/idepc/dtopics/stds/stdstatistics.html

For information on definitions, sources of information, prevention and other information about these or other reportable diseases, contact the Acute Disease Epidemiology Section at 651/201-5414

Morbidity Table 3: Number of Cases of Other Selected Diseases Reported in Minnesota By State and County, 1997

	Campylobacteriosis	Giardiasis	Lyme Disease ¹	Rabies in Animals	Salmonellosis	Shigellosis	Tuberculosis
State of Minnesota	1,181	1,098	255	70	632	138	161
Aitkin	1	3	1	0	0	0	0
Anoka	56	52	19	0	36	1	3
Becker	6	1	0	0	5	1	0
Beltrami	3	4	1	0	0	0	0
Benton	6	12	1	0	4	0	0
Big Stone	0	2	0	2	1	0	0
Blue Earth	10	5	0	1	6	3	0
Brown	3	1	0	1	4	0	0
Carlton	8	3	2	0	1	0	0
Carver	15	6	1	0	9	1	1
Cass	5	6	2	0	1	5	1
Chippewa	2	7	0	0	2	0	0
Chisago	10	12	10	0	6	2	0
Clay	9	5	0	0	7	0	1
Clearwater	0	0	0	0	2	1	0
Cook	0	3	0	0	1	0	0
Cottonwood	4	4	0	1	1	0	0
Crow Wing	9	38	29	0	2	0	1
Dakota	97	93	14	0	60	9	6
Dodge	5	6	0	2	0	0	0
Douglas	12	13	0	0	4	0	0
Faribault	1	1	1	1	1	0	0
Fillmore	13	2	0	7	4	0	0
Freeborn	2	3	0	1	0	0	2
Goodhue	18	9	0	1	6	0	0
Grant	3	0	0	0	1	0	0
Hennepin	320	393	31	0	179	54	87
Houston	9	6	3	0	5	0	0
Hubbard	2	1	0	0	1	0	0
Isanti	6	7	5	0	2	0	0
Itasca	2	1	1	0	4	0	0
Jackson	1	4	1	0	2	0	0
Kanabec	2	1	9	0	0	0	0
Kandiyohi	18	3	0	5	6	1	1
Kittson	0	0	0	1	0	0	0
Koochiching	0	2	1	0	0	0	0
Lac Qui Parle	5	1	0	0	0	0	0
Lake	0	0	0	0	2	0	0
Lake of the Woods	1	1	0	0	0	0	1
Le Sueur	5	2	0	0	3	0	0
Lincoln	4	2	0	0	1	0	0
Lyon	1	0	0	0	2	0	0
McLeod	7	1	0	1	10	0	0
Mahnomen	0	0	0	0	0	0	0
Marshall	1	2	0	0	1	0	0
Martin	1	0	0	3	5	1	0
Meeker	2	4	0	0	3	0	1
Mille Lacs	4	0	4	1	6	0	0
Morrison	10	6	4	5	3	0	0
Mower	7	32	0	5	5	0	1
Murray	7	0	0	0	4	0	0

Morbidity Table 3: Number of Cases of Other Selected Diseases Reported in Minnesota By State and County, 1997

	Campylobacteriosis	Giardiasis	Lyme Disease ¹	Rabies in Animals	Salmonellosis	Shigellosis	Tuberculosis
State of Minnesota	1,181	1,098	255	70	632	138	161
Nicollet	4	2	0	0	3	0	0
Nobles	10	1	0	6	3	3	4
Norman	0	0	0	0	0	0	0
Olmsted	41	41	5	0	19	10	9
Otter Tail	6	11	1	0	8	0	0
Pennington	3	2	0	0	0	0	0
Pine	2	0	18	0	1	0	0
Pipestone	3	0	0	3	2	0	0
Polk	6	2	0	0	3	0	0
Pope	4	2	0	1	1	0	0
Ramsey	127	114	42	1	71	28	29
Red Lake	0	0	0	0	0	0	0
Redwood	4	0	0	1	2	0	0
Renville	2	3	0	0	1	0	0
Rice	8	7	1	1	3	3	3
Rock	0	0	0	0	1	0	0
Roseau	2	4	1	0	1	0	0
St. Louis	38	20	6	0	10	1	1
Scott	14	12	2	0	9	1	1
Sherburne	11	8	1	0	5	1	0
Sibley	1	2	0	1	3	0	1
Stearns	44	25	4	2	19	0	1
Steele	1	1	0	0	2	0	1
Stevens	1	2	0	0	1	0	0
Swift	5	0	0	1	0	0	0
Todd	8	11	0	2	3	0	0
Traverse	1	0	0	0	1	0	0
Wabasha	15	4	1	1	2	0	0
Wadena	1	0	0	0	3	0	0
Waseca	4	1	1	7	1	0	0
Washington	50	34	28	0	27	7	3
Watonwan	0	0	0	3	0	0	0
Wilkin	0	0	0	0	0	0	0
Winona	21	17	3	1	11	3	1
Wright	29	9	1	1	7	2	1
Yellow Medicine	2	3	0	0	1	0	0

Source: Minnesota Department of Health, Acute Disease Epidemiology

¹Lyme disease is caused by bites from blacklegged ticks (deer ticks), which are found in wooded areas of north-central, eastern, and southeastern Minnesota and western Wisconsin. Most Minnesotans with Lyme disease lived or traveled to these areas. County of residence does not always indicate county of tick exposure.

For more information on tick- and mosquito-borne diseases, please refer to the MDH Vector-borne Diseases webpage (<http://www.health.state.mn.us/divs/idepc/dtopics/vectorborne/index.html>) or call 651-201-5414.

For information on definitions, sources of information, prevention and other information about these or other reportable diseases, please contact the Acute Disease Epidemiology Section at 651/201-5414.

**Morbidity Table 4: Motor Vehicle Injuries by Severity in Minnesota
By State and County, 1997**

	Injury Severity			
	Severe	Moderate	Minor	Total
State of Minnesota	3,673	15,948	26,443	46,064
Aitkin	20	75	77	172
Anoka	248	1,137	1,384	2,769
Becker	21	94	119	234
Beltrami	35	151	193	379
Benton	55	100	221	376
Big Stone	1	17	16	34
Blue Earth	39	182	300	521
Brown	16	92	108	216
Carlton	23	65	112	200
Carver	40	220	292	552
Cass	33	99	127	259
Chippewa	13	43	62	118
Chisago	23	125	183	331
Clay	24	173	231	428
Clearwater	6	29	22	57
Cook	6	34	13	53
Cottonwood	14	35	50	99
Crow Wing	42	194	359	595
Dakota	173	831	1,544	2,548
Dodge	10	41	83	134
Douglas	32	168	163	363
Faribault	7	31	87	125
Fillmore	11	30	88	129
Freeborn	23	124	203	350
Goodhue	51	189	239	479
Grant	6	27	23	56
Hennepin	842	3,688	8,066	12,596
Houston	11	63	72	146
Hubbard	22	63	78	163
Isanti	31	99	204	334
Itasca	31	136	211	378
Jackson	18	64	40	122
Kanabec	9	31	74	114
Kandiyohi	37	195	257	489
Kittson	3	14	16	33
Koochiching	5	44	73	122
Lac Qui Parle	14	18	21	53
Lake	7	39	36	82
Lake of the Woods	7	9	7	23
Le Sueur	14	78	123	215
Lincoln	3	20	10	33
Lyon	16	71	112	199
McLeod	29	119	169	317
Mahnomen	15	20	19	54
Marshall	3	28	9	40
Martin	25	57	106	188
Meeker	13	88	109	210
Mille Lacs	18	64	135	217
Morrison	25	111	134	270
Mower	26	94	169	289
Murray	3	28	24	55

**Morbidity Table 4: Motor Vehicle Injuries by Severity in Minnesota
By State and County, 1997**

	Injury Severity			
	Severe	Moderate	Minor	Total
State of Minnesota	3,673	15,948	26,443	46,064
Nicollet	13	51	123	187
Nobles	26	106	85	217
Norman	2	19	22	43
Olmsted	64	436	587	1,087
Otter Tail	48	214	229	491
Pennington	6	65	89	160
Pine	24	83	138	245
Pipestone	10	29	18	57
Polk	43	101	128	272
Pope	5	21	25	51
Ramsey	363	1,675	3,476	5,514
Red Lake	3	20	18	41
Redwood	12	78	60	150
Renville	8	42	70	120
Rice	67	222	257	546
Rock	7	43	48	98
Roseau	7	43	30	80
St. Louis	130	580	883	1,593
Scott	84	278	404	766
Sherburne	31	176	266	473
Sibley	6	45	43	94
Stearns	147	530	785	1,462
Steele	46	119	160	325
Stevens	5	42	24	71
Swift	5	35	32	72
Todd	24	100	80	204
Traverse	0	17	12	29
Wabasha	19	72	80	171
Wadena	15	61	48	124
Waseca	13	54	86	153
Washington	89	437	738	1,264
Watonwan	8	46	39	93
Wilkin	8	30	52	90
Winona	48	177	268	493
Wright	80	320	442	842
Yellow Medicine	8	34	25	67

Sources: Minnesota Department of Public Safety

Severe Injury: Any injury, other than a fatal injury which prevents the injured person from walking, driving, or normally continuing activities which he/she was capable of performing just before the accident

Moderate Injury: Any injury, other than fatal or incapacitating, which is evident to a person other than the injured at the scene of the accident (e.g. bruises, abrasions, swelling, minor lacerations, limping etc.).

Minor Injury: None of the above injuries, but is a complaint of physical pain by the injured (e.g. momentary unconsciousness, nausea, hysteria, etc.)

**Morbidity Table 5: Seatbelt Use by Vehicle Occupant Killed or Injured in Minnesota
By State and County, 1997**

	Seatbelt Use						Total Killed or Injured
	Used		Not Used		Unknown		
	Number	Percent	Number	Percent	Number	Percent	
State of Minnesota	26,763	63.9	8,061	19.3	7,047	16.8	41,871
Aitkin	88	54.3	54	33.3	20	12.3	162
Anoka	1,783	69.8	398	15.6	375	14.7	2,556
Becker	105	46.9	83	37.1	36	16.1	224
Beltrami	142	44.0	79	24.5	102	31.6	323
Benton	222	62.7	81	22.9	51	14.4	354
Big Stone	16	48.5	10	30.3	7	21.2	33
Blue Earth	345	69.7	98	19.8	52	10.5	495
Brown	118	58.1	52	25.6	33	16.3	203
Carlton	116	61.7	43	22.9	29	15.4	188
Carver	357	66.5	101	18.8	79	14.7	537
Cass	119	49.0	66	27.2	58	23.9	243
Chippewa	62	51.7	43	35.8	15	12.5	120
Chisago	199	63.4	68	21.7	47	15.0	314
Clay	248	61.8	88	21.9	65	16.2	401
Clearwater	20	37.7	18	34.0	15	28.3	53
Cook	34	65.4	6	11.5	12	23.1	52
Cottonwood	46	47.4	31	32.0	20	20.6	97
Crow Wing	331	60.4	118	21.5	99	18.1	548
Dakota	1,519	64.6	395	16.8	437	18.6	2,351
Dodge	74	57.4	33	25.6	22	17.1	129
Douglas	193	56.6	102	29.9	46	13.5	341
Faribault	68	57.1	30	25.2	21	17.6	119
Fillmore	58	46.4	37	29.6	30	24.0	125
Freeborn	168	52.0	103	31.9	52	16.1	323
Goodhue	292	66.7	82	18.7	64	14.6	438
Grant	36	66.7	14	25.9	4	7.4	54
Hennepin	7,709	70.4	1,481	13.5	1,766	16.1	10,956
Houston	80	58.0	35	25.4	23	16.7	138
Hubbard	83	53.9	45	29.2	26	16.9	154
Isanti	141	45.6	101	32.7	67	21.7	309
Itasca	201	56.9	99	28.0	53	15.0	353
Jackson	59	50.9	35	30.2	22	19.0	116
Kanabec	52	50.5	32	31.1	19	18.4	103
Kandiyohi	282	61.3	120	26.1	58	12.6	460
Kittson	16	57.1	9	32.1	3	10.7	28
Koochiching	59	52.2	30	26.5	24	21.2	113
Lac Qui Parle	16	32.7	18	36.7	15	30.6	49
Lake	48	64.9	11	14.9	15	20.3	74
Lake of the Woods	8	29.6	3	11.1	16	59.3	27
Le Sueur	125	63.5	41	20.8	31	15.7	197
Lincoln	17	58.6	9	31.0	3	10.3	29
Lyon	92	50.5	47	25.8	43	23.6	182
McLeod	167	57.4	74	25.4	50	17.2	291
Mahnomen	23	43.4	21	39.6	9	17.0	53
Marshall	10	25.0	27	67.5	3	7.5	40
Martin	109	60.2	55	30.4	17	9.4	181
Meeker	111	56.1	60	30.3	27	13.6	198
Mille Lacs	116	56.3	62	30.1	28	13.6	206
Morrison	132	52.0	86	33.9	36	14.2	254
Mower	141	54.0	78	29.9	42	16.1	261

**Morbidity Table 5: Seatbelt Use by Vehicle Occupant Killed or Injured in Minnesota
By State and County, 1997**

	Seatbelt Use						Total Killed or Injured
	Used		Not Used		Unknown		
	Number	Percent	Number	Percent	Number	Percent	
State of Minnesota	26,763	63.9	8,061	19.3	7,047	16.8	41,871
Murray	24	42.1	18	31.6	15	26.3	57
Nicollet	117	66.1	36	20.3	24	13.6	177
Nobles	92	44.2	67	32.2	49	23.6	208
Norman	25	58.1	12	27.9	6	14.0	43
Olmsted	685	68.6	213	21.3	101	10.1	999
Otter Tail	274	58.7	115	24.6	78	16.7	467
Pennington	83	57.6	36	25.0	25	17.4	144
Pine	139	59.9	49	21.1	44	19.0	232
Pipestone	27	54.0	17	34.0	6	12.0	50
Polk	98	38.0	91	35.3	69	26.7	258
Pope	22	44.0	15	30.0	13	26.0	50
Ramsey	3,112	64.4	624	12.9	1,097	22.7	4,833
Red Lake	16	43.2	15	40.5	6	16.2	37
Redwood	76	52.4	44	30.3	25	17.2	145
Renville	78	67.2	29	25.0	9	7.8	116
Rice	319	62.7	125	24.6	65	12.8	509
Rock	58	62.4	28	30.1	7	7.5	93
Roseau	22	28.2	35	44.9	21	26.9	78
St. Louis	948	64.2	316	21.4	212	14.4	1,476
Scott	503	67.4	147	19.7	96	12.9	746
Sherburne	301	67.2	88	19.6	59	13.2	448
Sibley	61	67.0	22	24.2	8	8.8	91
Stearns	923	67.9	267	19.6	170	12.5	1,360
Steele	167	56.2	73	24.6	57	19.2	297
Stevens	23	35.4	15	23.1	27	41.5	65
Swift	39	55.7	25	35.7	6	8.6	70
Todd	87	45.8	73	38.4	30	15.8	190
Traverse	12	46.2	12	46.2	2	7.7	26
Wabasha	83	52.2	40	25.2	36	22.6	159
Wadena	49	41.9	38	32.5	30	25.6	117
Waseca	93	61.2	42	27.6	17	11.2	152
Washington	795	68.8	194	16.8	167	14.4	1,156
Watonwan	37	43.0	16	18.6	33	38.4	86
Wilkin	48	52.2	26	28.3	18	19.6	92
Winona	204	46.9	96	22.1	135	31.0	435
Wright	538	67.8	167	21.0	89	11.2	794
Yellow Medicine	29	48.3	23	38.3	8	13.3	60

Sources: Minnesota Department of Public Safety

Note: Occupants of vehicles normally equipped with seatbelts includes passenger vehicles, trucks, taxis, etc. This definition excludes motorcycles, buses, snowmobiles, etc.

Morbidity Table 6: Number of Cases of Cancer Diagnosed by Major Site and Sex in Minnesota by State and County, 1993-1995**

	Breast				Colon and Rectum			
	Men		Women		Men		Women	
	Number	Percent*	Number	Percent^	Number	Percent*	Number	Percent^
State of Minnesota	61	0.2	9,130	32.4	3,578	11.5	3,542	12.6
Aitkin	1	0.6	44	32.8	12	7.7	20	14.9
Anoka	3	0.3	325	31.6	119	10.0	103	10.0
Becker	1	0.4	57	30.6	32	11.7	25	13.4
Beltrami	0	0.0	58	27.0	20	8.3	37	17.2
Benton	0	0.0	40	24.5	29	15.9	25	15.3
Big Stone	0	0.0	16	25.4	7	9.3	14	22.2
Blue Earth	0	0.0	93	31.7	47	14.3	52	17.7
Brown	0	0.0	66	33.7	32	13.1	24	12.2
Carlton	2	0.7	60	28.8	34	12.7	19	9.1
Carver	1	0.3	83	31.1	36	12.0	37	13.9
Cass	0	0.0	72	35.8	28	10.9	28	13.9
Chippewa	0	0.0	32	32.3	17	15.3	12	12.1
Chisago	2	0.8	58	28.4	32	12.5	39	19.1
Clay	1	0.3	95	34.3	49	12.5	32	11.6
Clearwater	0	0.0	15	32.6	11	13.4	6	13.0
Cook	0	0.0	10	47.6	3	7.9	3	14.3
Cottonwood	0	0.0	42	39.3	20	14.9	20	18.7
Crow Wing	0	0.0	116	34.0	44	10.2	30	8.8
Dakota	2	0.1	469	33.9	159	11.8	153	11.1
Dodge	0	0.0	28	27.2	10	9.5	15	14.6
Douglas	0	0.0	67	31.9	41	13.7	26	12.4
Faribault	0	0.0	36	27.1	25	13.5	23	17.3
Fillmore	0	0.0	47	33.6	18	9.9	24	17.1
Freeborn	0	0.0	72	30.6	27	9.5	34	14.5
Goodhue	1	0.3	94	33.3	27	8.2	32	11.3
Grant	0	0.0	25	40.3	13	17.6	12	19.4
Hennepin	17	0.2	2,298	33.7	714	10.4	729	10.7
Houston	1	0.6	49	32.5	28	16.0	20	13.2
Hubbard	0	0.0	38	26.8	16	8.1	22	15.5
Isanti	0	0.0	45	35.7	19	11.4	11	8.7
Itasca	0	0.0	95	30.5	67	16.3	44	14.1
Jackson	1	1.2	25	32.1	10	11.9	20	25.6
Kanabec	1	1.3	21	27.3	14	17.5	9	11.7
Kandiyohi	0	0.0	103	35.4	28	9.6	34	11.7
Kittson	0	0.0	14	31.1	5	8.9	6	13.3
Koochiching	0	0.0	34	31.2	18	12.9	11	10.1
Lac Qui Parle	0	0.0	20	29.9	15	15.2	12	17.9
Lake	1	1.0	34	37.0	11	10.9	12	13.0
Lake of the Woods	0	0.0	14	41.2	2	6.9	2	5.9
Le Sueur	0	0.0	68	40.0	12	7.4	25	14.7
Lincoln	0	0.0	16	26.2	5	6.8	14	23.0
Lyon	0	0.0	45	28.7	27	12.6	33	21.0
McLeod	1	0.4	74	32.2	29	11.7	26	11.3
Mahnomen	0	0.0	11	34.4	7	12.7	3	9.4
Marshall	0	0.0	27	31.0	16	11.9	18	20.7
Martin	0	0.0	55	30.9	26	13.3	27	15.2
Meeker	0	0.0	35	28.0	20	12.1	24	19.2
Mille Lacs	0	0.0	36	23.7	19	10.4	26	17.1
Morrison	0	0.0	64	28.6	22	9.1	26	11.6
Mower	2	0.5	94	29.6	68	15.6	66	20.8

Morbidity Table 6: Number of Cases of Cancer Diagnosed by Major Site and Sex in Minnesota by State and County, 1993-1995**

	Breast				Colon and Rectum			
	Men		Women		Men		Women	
	Number	Percent*	Number	Percent^	Number	Percent*	Number	Percent^
State of Minnesota	61	0.2	9,130	32.4	3,578	11.5	3,542	12.6
Murray	0	0.0	24	34.3	9	9.7	10	14.3
Nicollet	0	0.0	37	30.8	24	13.8	17	14.2
Nobles	0	0.0	44	32.1	16	10.1	20	14.6
Norman	0	0.0	11	21.2	15	15.6	7	13.5
Olmsted	1	0.1	230	33.1	84	11.3	81	11.7
Otter Tail	1	0.2	126	29.4	67	13.1	69	16.1
Pennington	0	0.0	32	31.7	14	11.1	13	12.9
Pine	0	0.0	48	33.3	24	11.7	18	12.5
Pipestone	0	0.0	33	38.8	21	20.4	7	8.2
Polk	0	0.0	76	28.0	35	12.1	33	12.2
Pope	1	1.1	25	28.1	14	14.7	9	10.1
Ramsey	8	0.3	988	31.5	319	10.4	361	11.5
Red Lake	0	0.0	5	23.8	3	8.6	3	14.3
Redwood	0	0.0	45	35.2	20	12.7	21	16.4
Renville	0	0.0	35	31.3	18	11.1	16	14.3
Rice	0	0.0	95	35.6	33	9.9	26	9.7
Rock	1	1.3	31	38.3	6	7.8	7	8.6
Roseau	0	0.0	30	36.1	13	11.6	14	16.9
St Louis	4	0.2	488	31.1	214	12.6	197	12.6
Scott	2	0.7	99	33.8	34	11.1	26	8.9
Sherburne	0	0.0	83	35.2	33	12.1	25	10.6
Sibley	0	0.0	33	33.3	23	17.0	13	13.1
Stearns	1	0.1	215	34.3	89	12.0	74	11.8
Steele	0	0.0	73	36.1	26	11.5	27	13.4
Stevens	0	0.0	18	25.0	18	22.5	12	16.7
Swift	1	0.8	35	35.0	17	14.2	18	18.0
Todd	0	0.0	44	29.5	16	9.7	21	14.1
Traverse	1	2.3	7	20.0	2	4.5	11	31.4
Wabasha	0	0.0	38	26.6	17	10.0	30	21.0
Wadena	0	0.0	44	35.8	20	11.7	22	17.9
Waseca	0	0.0	40	32.0	19	11.8	15	12.0
Washington	2	0.3	290	38.4	93	12.2	99	13.1
Watonwan	0	0.0	25	29.1	10	10.5	20	23.3
Wilkin	0	0.0	17	26.6	7	14.9	16	25.0
Winona	0	0.0	92	28.1	41	12.2	55	16.8
Wright	0	0.0	112	32.1	53	12.7	40	11.5
Yellow Medicine	0	0.0	27	28.1	21	16.8	22	22.9

Source: Minnesota Department of Health, Minnesota Cancer Surveillance System

**Includes number of cases diagnosed for the years 1993, 1994 and 1995.

*Percent = # specific cancer cases diagnosed in males for county (or state) / total cancer cases diagnosed in males for county (or state)

^Percent = # specific cancer cases diagnosed in females for county (or state) / total cancer cases diagnosed in females for county (or state)

Morbidity Table 7: Number of Cases of Cancer Diagnosed by Major Site and Sex in Minnesota by State and County, 1993-1995**

	Lung				Prostate			
	Men		Women		Men		Women	
	Number	Percent*	Number	Percent^	Number	Percent*	Number	Percent^
State of Minnesota	4,226	13.6	2,867	10.2	10,230	32.8	0	0.0
Aitkin	32	20.5	10	7.5	54	34.6	0	0.0
Anoka	165	13.8	123	12.0	380	31.8	0	0.0
Becker	42	15.3	27	14.5	94	34.3	0	0.0
Beltrami	36	14.9	26	12.1	91	37.8	0	0.0
Benton	33	18.1	20	12.3	53	29.1	0	0.0
Big Stone	14	18.7	3	4.8	18	24.0	0	0.0
Blue Earth	39	11.9	20	6.8	111	33.7	0	0.0
Brown	28	11.4	16	8.2	85	34.7	0	0.0
Carlton	30	11.2	29	13.9	102	38.1	0	0.0
Carver	35	11.7	22	8.2	93	31.1	0	0.0
Cass	43	16.7	23	11.4	87	33.7	0	0.0
Chippewa	20	18.0	4	4.0	30	27.0	0	0.0
Chisago	32	12.5	24	11.8	73	28.5	0	0.0
Clay	43	11.0	20	7.2	150	38.4	0	0.0
Clearwater	7	8.5	2	4.3	39	47.6	0	0.0
Cook	6	15.8	2	9.5	10	26.3	0	0.0
Cottonwood	17	12.7	5	4.7	44	32.8	0	0.0
Crow Wing	70	16.2	29	8.5	130	30.0	0	0.0
Dakota	166	12.3	134	9.7	398	29.6	0	0.0
Dodge	18	17.1	6	5.8	33	31.4	0	0.0
Douglas	45	15.1	22	10.5	111	37.1	0	0.0
Faribault	22	11.9	15	11.3	75	40.5	0	0.0
Fillmore	23	12.7	8	5.7	83	45.9	0	0.0
Freeborn	36	12.7	22	9.4	111	39.2	0	0.0
Goodhue	41	12.5	21	7.4	122	37.2	0	0.0
Grant	7	9.5	1	1.6	23	31.1	0	0.0
Hennepin	909	13.3	786	11.5	2,256	32.9	0	0.0
Houston	29	16.6	7	4.6	56	32.0	0	0.0
Hubbard	35	17.8	21	14.8	64	32.5	0	0.0
Isanti	21	12.7	20	15.9	56	33.7	0	0.0
Itasca	62	15.1	36	11.6	134	32.7	0	0.0
Jackson	12	14.3	2	2.6	27	32.1	0	0.0
Kanabec	14	17.5	12	15.6	28	35.0	0	0.0
Kandiyohi	38	13.0	23	7.9	107	36.6	0	0.0
Kittson	10	17.9	2	4.4	18	32.1	0	0.0
Koochiching	20	14.3	18	16.5	44	31.4	0	0.0
Lac Qui Parle	12	12.1	5	7.5	34	34.3	0	0.0
Lake	17	16.8	12	13.0	31	30.7	0	0.0
Lake of the Woods	5	17.2	1	2.9	11	37.9	0	0.0
Le Sueur	19	11.7	12	7.1	65	40.1	0	0.0
Lincoln	15	20.3	6	9.8	20	27.0	0	0.0
Lyon	24	11.2	13	8.3	69	32.1	0	0.0
McLeod	25	10.1	18	7.8	90	36.4	0	0.0
Mahnomen	6	10.9	4	12.5	21	38.2	0	0.0
Marshall	14	10.4	4	4.6	56	41.8	0	0.0
Martin	27	13.8	12	6.7	69	35.4	0	0.0
Meeker	14	8.5	7	5.6	66	40.0	0	0.0
Mille Lacs	35	19.1	18	11.8	60	32.8	0	0.0
Morrison	30	12.4	25	11.2	84	34.7	0	0.0
Mower	61	14.0	32	10.1	147	33.7	0	0.0

Morbidity Table 7: Number of Cases of Cancer Diagnosed by Major Site and Sex in Minnesota by State and County, 1993-1995**

	Lung				Prostate			
	Men		Women		Men		Women	
	Number	Percent*	Number	Percent^	Number	Percent*	Number	Percent^
State of Minnesota	4,226	13.6	2,867	10.2	10,230	32.8	0	0.0
Murray	7	7.5	7	10.0	39	41.9	0	0.0
Nicollet	22	12.6	5	4.2	55	31.6	0	0.0
Nobles	18	11.4	11	8.0	60	38.0	0	0.0
Norman	16	16.7	8	15.4	38	39.6	0	0.0
Olmsted	110	14.8	59	8.5	208	27.9	0	0.0
Otter Tail	59	11.5	35	8.2	165	32.2	0	0.0
Pennington	17	13.5	8	7.9	49	38.9	0	0.0
Pine	30	14.6	19	13.2	73	35.4	0	0.0
Pipestone	22	21.4	6	7.1	29	28.2	0	0.0
Polk	40	13.8	26	9.6	93	32.1	0	0.0
Pope	12	12.6	10	11.2	38	40.0	0	0.0
Ramsey	436	14.3	373	11.9	919	30.1	0	0.0
Red Lake	2	5.7	2	9.5	16	45.7	0	0.0
Redwood	21	13.4	11	8.6	58	36.9	0	0.0
Renville	21	13.0	4	3.6	51	31.5	0	0.0
Rice	51	15.3	28	10.5	111	33.3	0	0.0
Rock	16	20.8	5	6.2	27	35.1	0	0.0
Roseau	14	12.5	5	6.0	38	33.9	0	0.0
St. Louis	238	14.0	175	11.2	512	30.2	0	0.0
Scott	28	9.2	19	6.5	105	34.3	0	0.0
Sherburne	29	10.7	21	8.9	82	30.1	0	0.0
Sibley	19	14.1	6	6.1	52	38.5	0	0.0
Stearns	91	12.2	68	10.8	247	33.2	0	0.0
Steele	35	15.4	16	7.9	82	36.1	0	0.0
Stevens	14	17.5	4	5.6	22	27.5	0	0.0
Swift	11	9.2	9	9.0	38	31.7	0	0.0
Todd	29	17.6	13	8.7	61	37.0	0	0.0
Traverse	6	13.6	3	8.6	15	34.1	0	0.0
Wabasha	28	16.5	10	7.0	55	32.4	0	0.0
Wadena	22	12.9	10	8.1	51	29.8	0	0.0
Waseca	13	8.1	16	12.8	60	37.3	0	0.0
Washington	100	13.1	58	7.7	221	29.0	0	0.0
Watonwan	16	16.8	7	8.1	36	37.9	0	0.0
Wilkin	6	12.8	3	4.7	16	34.0	0	0.0
Winona	46	13.7	32	9.8	123	36.6	0	0.0
Wright	62	14.9	37	10.6	130	31.2	0	0.0
Yellow Medicine	15	12.0	8	8.3	40	32.0	0	0.0

Source: Minnesota Department of Health, Minnesota Cancer Surveillance System

**Includes number of cases diagnosed for the years 1993, 1994 and 1995.

*Percent = # specific cancer cases diagnosed in males for county (or state) / total cancer cases diagnosed in males for county (or state)

^Percent = # specific cancer cases diagnosed in females for county (or state) / total cancer cases diagnosed in females for county (or state)

Morbidity Table 8: Number of Cases of Cancer Diagnosed by Major Site and Sex in Minnesota by State and County, 1993-1995**

	Other				Total			
	Men		Women		Men		Women	
	Number	Percent*	Number	Percent^	Number	Percent*	Number	Percent^
State of Minnesota	13,071	41.9	12,612	44.8	31,166	100.0	28,151	100.0
Aitkin	57	36.5	60	44.8	156	100.0	134	100.0
Anoka	527	44.1	478	46.5	1,194	100.0	1,029	100.0
Becker	105	38.3	77	41.4	274	100.0	186	100.0
Beltrami	94	39.0	94	43.7	241	100.0	215	100.0
Benton	67	36.8	78	47.9	182	100.0	163	100.0
Big Stone	36	48.0	30	47.6	75	100.0	63	100.0
Blue Earth	132	40.1	128	43.7	329	100.0	293	100.0
Brown	100	40.8	90	45.9	245	100.0	196	100.0
Carlton	100	37.3	100	48.1	268	100.0	208	100.0
Carver	134	44.8	125	46.8	299	100.0	267	100.0
Cass	100	38.8	78	38.8	258	100.0	201	100.0
Chippewa	44	39.6	51	51.5	111	100.0	99	100.0
Chisago	117	45.7	83	40.7	256	100.0	204	100.0
Clay	148	37.9	130	46.9	391	100.0	277	100.0
Clearwater	25	30.5	23	50.0	82	100.0	46	100.0
Cook	19	50.0	6	28.6	38	100.0	21	100.0
Cottonwood	53	39.6	40	37.4	134	100.0	107	100.0
Crow Wing	189	43.6	166	48.7	433	100.0	341	100.0
Dakota	621	46.1	627	45.3	1,346	100.0	1,383	100.0
Dodge	44	41.9	54	52.4	105	100.0	103	100.0
Douglas	102	34.1	95	45.2	299	100.0	210	100.0
Faribault	63	34.1	59	44.4	185	100.0	133	100.0
Fillmore	57	31.5	61	43.6	181	100.0	140	100.0
Freeborn	109	38.5	107	45.5	283	100.0	235	100.0
Goodhue	137	41.8	135	47.9	328	100.0	282	100.0
Grant	31	41.9	24	38.7	74	100.0	62	100.0
Hennepin	2,956	43.1	3,011	44.1	6,852	100.0	6,824	100.0
Houston	61	34.9	75	49.7	175	100.0	151	100.0
Hubbard	82	41.6	61	43.0	197	100.0	142	100.0
Isanti	70	42.2	50	39.7	166	100.0	126	100.0
Itasca	147	35.9	136	43.7	410	100.0	311	100.0
Jackson	34	40.5	31	39.7	84	100.0	78	100.0
Kanabec	23	28.8	35	45.5	80	100.0	77	100.0
Kandiyohi	119	40.8	131	45.0	292	100.0	291	100.0
Kittson	23	41.1	23	51.1	56	100.0	45	100.0
Koochiching	58	41.4	46	42.2	140	100.0	109	100.0
Lac Qui Parle	38	38.4	30	44.8	99	100.0	67	100.0
Lake	41	40.6	34	37.0	101	100.0	92	100.0
Lake of the Woods	11	37.9	17	50.0	29	100.0	34	100.0
Le Sueur	66	40.7	65	38.2	162	100.0	170	100.0
Lincoln	34	45.9	25	41.0	74	100.0	61	100.0
Lyon	95	44.2	66	42.0	215	100.0	157	100.0
McLeod	102	41.3	112	48.7	247	100.0	230	100.0
Mahnomen	21	38.2	14	43.8	55	100.0	32	100.0
Marshall	48	35.8	38	43.7	134	100.0	87	100.0
Martin	73	37.4	84	47.2	195	100.0	178	100.0
Meeker	65	39.4	59	47.2	165	100.0	125	100.0
Mille Lacs	69	37.7	72	47.4	183	100.0	152	100.0
Morrison	106	43.8	109	48.7	242	100.0	224	100.0
Mower	158	36.2	126	39.6	436	100.0	318	100.0

Morbidity Table 8: Number of Cases of Cancer Diagnosed by Major Site and Sex in Minnesota by State and County, 1993-1995**

	Other				Total			
	Men		Women		Men		Women	
	Number	Percent*	Number	Percent^	Number	Percent*	Number	Percent^
State of Minnesota	13,071	41.9	12,612	44.8	31,166	100.0	28,151	100.0
Murray	38	40.9	29	41.4	93	100.0	70	100.0
Nicollet	73	42.0	61	50.8	174	100.0	120	100.0
Nobles	64	40.5	62	45.3	158	100.0	137	100.0
Norman	27	28.1	26	50.0	96	100.0	52	100.0
Olmsted	342	45.9	325	46.8	745	100.0	695	100.0
Otter Tail	220	43.0	198	46.3	512	100.0	428	100.0
Pennington	46	36.5	48	47.5	126	100.0	101	100.0
Pine	79	38.3	59	41.0	206	100.0	144	100.0
Pipestone	31	30.1	39	45.9	103	100.0	85	100.0
Polk	122	42.1	136	50.2	290	100.0	271	100.0
Pope	30	31.6	45	50.6	95	100.0	89	100.0
Ramsey	1,375	45.0	1,415	45.1	3,057	100.0	3,137	100.0
Red Lake	14	40.0	11	52.4	35	100.0	21	100.0
Redwood	58	36.9	51	39.8	157	100.0	128	100.0
Renville	72	44.4	57	50.9	162	100.0	112	100.0
Rice	138	41.4	118	44.2	333	100.0	267	100.0
Rock	27	35.1	38	46.9	77	100.0	81	100.0
Roseau	47	42.0	34	41.0	112	100.0	83	100.0
St. Louis	730	43.0	708	45.2	1,698	100.0	1,568	100.0
Scott	137	44.8	149	50.9	306	100.0	293	100.0
Sherburne	128	47.1	107	45.3	272	100.0	236	100.0
Sibley	41	30.4	47	47.5	135	100.0	99	100.0
Stearns	315	42.4	270	43.1	743	100.0	627	100.0
Steele	84	37.0	86	42.6	227	100.0	202	100.0
Stevens	26	32.5	38	52.8	80	100.0	72	100.0
Swift	53	44.2	38	38.0	120	100.0	100	100.0
Todd	59	35.8	71	47.7	165	100.0	149	100.0
Traverse	20	45.5	14	40.0	44	100.0	35	100.0
Wabasha	70	41.2	65	45.5	170	100.0	143	100.0
Wadena	78	45.6	47	38.2	171	100.0	123	100.0
Waseca	69	42.9	54	43.2	161	100.0	125	100.0
Washington	345	45.3	308	40.8	761	100.0	755	100.0
Watonwan	33	34.7	34	39.5	95	100.0	86	100.0
Wilkin	18	38.3	28	43.8	47	100.0	64	100.0
Winona	126	37.5	148	45.3	336	100.0	327	100.0
Wright	172	41.2	160	45.8	417	100.0	349	100.0
Yellow Medicine	49	39.2	39	40.6	125	100.0	96	100.0

Source: Minnesota Department of Health, Minnesota Cancer Surveillance System

**Includes number of cases diagnosed for the years 1993, 1994 and 1995.

*Percent = # specific cancer cases diagnosed in males for county (or state) / total cancer cases diagnosed in males for county (or state)

^Percent = # specific cancer cases diagnosed in females for county (or state) / total cancer cases diagnosed in females for county (or state)

**Morbidity Table 9: Minnesota Nonfatal Hospitalized Traumatic Brain Injury
Number and Rate per 100,000 population by State and County, 1993-1996**

	1993		1994		1995		1996	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
State of Minnesota	3,018	65.3	3,338	72.5	3,273	69.2	3,173	64.8
Aitkin	9	*	4	*	10	*	12	*
Anoka	149	59.4	183	72.2	195	75.8	184	68.2
Becker	8	*	19	*	17	*	12	*
Beltrami	36	103.1	27	69.8	21	52.7	23	57.5
Benton	18	*	29	95.4	35	105.1	22	65.6
Big Stone	2	*	4	*	4	*	5	*
Blue Earth	34	62.9	47	79.0	34	56.3	8	*
Brown	17	*	22	83.6	36	134.8	12	*
Carlton	24	86.0	34	96.5	30	105.2	18	*
Carver	37	70.5	26	53.3	35	62.9	32	54.8
Cass	34	200.1	27	134.8	25	104.5	24	115.6
Chippewa	3	*	8	*	11	*	11	*
Chisago	13	*	12	*	35	108.1	26	77.2
Clay	3	*	4	*	1	*	3	*
Clearwater	3	*	6	*	4	*	7	*
Cook	3	*	1	*	4	*	2	*
Cottonwood	8	*	6	*	5	*	4	*
Crow Wing	34	81.1	54	105.2	49	103.0	34	58.0
Dakota	144	52.6	165	56.3	160	52.6	161	51.4
Dodge	9	*	16	*	15	*	14	*
Douglas	10	*	21	76.6	15	*	18	*
Faribault	7	*	11	*	13	*	12	*
Fillmore	15	*	20	89.9	24	123.6	14	*
Freeborn	21	62.0	29	74.9	24	68.3	27	83.5
Goodhue	27	62.0	30	82.1	38	87.5	19	*
Grant	3	*	4	*	4	*	2	*
Hennepin	906	84.0	901	82.4	816	71.9	826	71.2
Houston	2	*	1	*	1	*	0	*
Hubbard	10	*	5	*	2	*	1	*
Isanti	27	94.9	20	61.5	40	165.5	59	202.8
Itasca	22	53.5	43	88.7	25	63.2	16	*
Jackson	4	*	4	*	2	*	7	*
Kanabec	8	*	15	*	16	*	15	*
Kandiyohi	26	66.8	26	60.3	24	63.6	18	*
Kittson	2	*	0	*	2	*	3	*
Koochiching	3	*	13	*	17	*	6	*
Lac Qui Parle	4	*	3	*	3	*	5	*
Lake	4	*	9	*	8	*	7	*
Lake of the Woods	10	*	2	*	8	*	8	*
Le Sueur	12	*	29	131.0	15	*	15	*
Lincoln	1	*	3	*	0	*	2	*
Lyon	14	*	15	*	13	*	9	*
McLeod	28	93.3	27	83.1	23	74.6	19	*
Mahnomen	1	*	3	*	3	*	1	*
Marshall	5	*	3	*	3	*	1	*
Martin	11	*	15	*	10	*	11	*
Meeker	14	*	17	*	16	*	15	*
Mille Lacs	16	*	27	150.5	26	157.1	22	129.0
Morrison	22	72.6	28	91.8	34	106.7	36	95.6
Mower	33	75.9	33	102.7	35	95.1	17	*
Murray	4	*	4	*	5	*	3	*
Nicollet	17	*	12	*	14	*	3	*
Nobles	10	*	16	*	14	*	8	*

**Morbidity Table 9: Minnesota Nonfatal Hospitalized Traumatic Brain Injury
Number and Rate per 100,000 population by State and County, 1993-1996**

	1993		1994		1995		1996	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
State of Minnesota	3,018	65.3	3,338	72.5	3,273	69.2	3,173	64.8
Norman	5	*	1	*	1	*	5	*
Olmsted	49	44.5	96	89.0	95	82.2	80	70.6
Otter Tail	21	33.4	16	*	15	*	21	36.7
Pennington	3	*	0	*	7	*	2	*
Pine	12	*	19	*	31	132.1	22	99.2
Pipestone	4	*	4	*	7	*	0	*
Polk	13	*	13	*	5	*	7	*
Pope	6	*	6	*	6	*	2	*
Ramsey	430	83.7	405	79.8	415	80.6	448	84.7
Red Lake	4	*	1	*	3	*	2	*
Redwood	7	*	11	*	4	*	6	*
Renville	7	*	17	*	10	*	13	*
Rice	28	49.5	26	49.7	29	54.0	40	73.2
Rock	0	*	3	*	4	*	2	*
Roseau	10	*	6	*	7	*	9	*
St. Louis	166	76.3	176	85.9	154	75.7	174	79.7
Scott	14	*	26	41.3	32	47.1	37	54.2
Sherburne	22	48.3	31	63.6	33	63.6	41	74.7
Sibley	11	*	8	*	15	*	5	*
Stearns	71	56.0	86	66.5	119	92.1	122	92.2
Steele	13	*	14	*	15	*	21	71.8
Stevens	9	*	9	*	10	*	3	*
Swift	6	*	7	*	6	*	5	*
Todd	26	118.1	17	*	16	*	12	*
Traverse	3	*	4	*	3	*	5	*
Wabasha	15	*	24	125.3	20	104.3	14	*
Wadena	6	*	8	*	8	*	11	*
Waseca	10	*	18	*	11	*	10	*
Washington	100	65.0	109	69.3	90	56.1	114	68.7
Watonwan	7	*	3	*	10	*	3	*
Wilkin	2	*	0	*	2	*	7	*
Winona	8	*	30	58.1	20	39.3	25	47.8
Wright	36	50.0	53	69.2	49	65.7	43	54.3
Yellow Medicine	7	*	8	*	2	*	4	*

Source: Minnesota Department of Health, Injury and Violence Prevention Unit
Traumatic Brain Injuries (TBI): numbers are traumatic brain injury events, (vs. people or hospitalizations). Events are nonfatal at time of discharge from the final acute care hospital. Only Minnesota residents are included. Total Minnesota values include events with unknown counties. Minnesota residents who were injured and/or hospitalized out of state and reported to the MDH are also included. All rates are per 100,000 people and were age adjusted to the US 2000 standard population.

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*Rate not calculated under 20 events

**Morbidity Table 10: Minnesota Nonfatal Hospitalized Spinal Cord Injury
Number and Annualized Rate per 100,000 population by State and County, 1993-1996**

	1993	1994	1995	1996	Annualized Rate 1993-1996
	Number	Number	Number	Number	
State of Minnesota	148	172	172	195	3.8
Aitkin	2	2	0	1	*
Anoka	9	12	12	12	4.5
Becker	1	0	0	0	*
Beltrami	4	2	1	2	*
Benton	3	3	1	1	*
Big Stone	0	0	0	0	*
Blue Earth	0	1	1	1	*
Brown	1	1	2	0	*
Carlton	0	2	1	0	*
Carver	2	4	2	3	*
Cass	4	2	2	1	*
Chippewa	1	0	0	1	*
Chisago	0	0	0	1	*
Clay	0	1	0	0	*
Clearwater	0	2	0	1	*
Cook	0	0	0	0	*
Cottonwood	0	1	0	1	*
Crow Wing	0	4	1	3	*
Dakota	6	9	4	9	2.5
Dodge	0	1	0	0	*
Douglas	2	3	2	1	*
Faribault	0	2	0	1	*
Fillmore	1	0	0	3	*
Freeborn	0	1	0	0	*
Goodhue	0	0	2	1	*
Grant	0	0	1	0	*
Hennepin	32	39	42	49	3.8
Houston	1	0	0	0	*
Hubbard	0	1	1	0	*
Isanti	4	1	1	1	*
Itasca	1	0	5	2	*
Jackson	0	0	1	0	*
Kanabec	1	2	0	0	*
Kandiyohi	2	2	8	1	*
Kittson	0	0	0	0	*
Koochiching	1	0	1	0	*
Lac Qui Parle	1	0	0	0	*
Lake	0	0	1	0	*
Lake of the Woods	0	0	0	0	*
Le Sueur	1	1	0	2	*
Lincoln	0	0	0	0	*
Lyon	1	1	1	0	*
McLeod	0	2	1	1	*
Mahnomen	0	0	0	1	*
Marshall	0	0	0	0	*
Martin	3	0	0	1	*
Meeker	1	0	3	2	*
Mille Lacs	2	2	2	2	*
Morrison	0	2	3	1	*
Mower	0	2	3	0	*
Murray	0	0	0	0	*
Nicollet	1	0	0	1	*
Nobles	0	0	0	1	*

**Morbidity Table 10: Minnesota Nonfatal Hospitalized Spinal Cord Injury
Number and Annualized Rate per 100,000 population by State and County, 1993-1996**

	1993	1994	1995	1996	Annualized Rate 1993-1996
	Number	Number	Number	Number	
State of Minnesota	148	172	172	195	3.8
Norman	1	0	0	0	*
Olmsted	6	0	4	5	*
Otter Tail	0	2	0	1	*
Pennington	0	0	0	0	*
Pine	0	0	0	1	*
Pipestone	0	0	0	0	*
Polk	0	0	1	0	*
Pope	0	1	0	1	*
Ramsey	12	16	18	21	3.2
Red Lake	0	0	0	0	*
Redwood	0	1	1	3	*
Renville	0	0	2	0	*
Rice	1	0	1	5	*
Rock	0	0	1	0	*
Roseau	1	2	0	0	*
St. Louis	11	8	10	9	5.0
Scott	3	2	3	2	*
Sherburne	2	4	6	3	*
Sibley	1	0	1	1	*
Stearns	6	8	5	8	5.7
Steele	1	2	1	3	*
Stevens	1	0	0	0	*
Swift	0	3	2	1	*
Todd	1	1	2	2	*
Traverse	0	0	0	0	*
Wabasha	1	0	0	1	*
Wadena	1	1	0	1	*
Waseca	0	0	0	0	*
Washington	5	6	7	10	4.2
Watonwan	0	1	0	0	*
Wilkin	0	0	0	0	*
Winona	1	0	1	1	*
Wright	5	5	1	5	*
Yellow Medicine	0	1	0	0	*

Source: Minnesota Department of Health, Injury and Violence Prevention Unit

*Numbers are traumatic brain injury or spinal cord injury events, (vs. people or hospitalizations). Only Minnesota residents are included. Minnesota residents who were injured and/or hospitalized out of state and reported to the MDH are also included. All rates are per 100,000 people and were age and gender adjusted to the US 1940 population.

Go to Page D-21 for Spinal Cord Injuries Case Report Definitions

*Rate not calculated under 20 events

Morbidity Tables 9 and 10: TBI and SCI Case Report Definitions

Cases of traumatic brain injury and spinal cord injury must be reported to the Minnesota Department of Health if the patient receives one of the following ICD-9 N-codes (including respective subcoded four or five digit rubrics), either as a principal or secondary diagnosis:

Traumatic Brain Injury (TBI)

310.2 - postconcussion syndrome
348.1 - (when coded with 994.1 or 994.7) - anoxic brain damage
800.0-800.99 - fracture of vault of skull
801.00-801.99 - fracture of base of skull
803.00-803.99 - other and unqualified skull fractures
804.00-804.99 - multiple fractures involving skull or face with other bones
850.0-850.9 - concussion
851.00-851.99 - cerebral laceration and contusion
852.00-852.59 - subarachnoid, subdural, and extradural hemorrhage, following injury
853.00-853.19 - other and unspecified intracranial hemorrhage following injury
854.00-854.19 - intracranial injury of other and unspecified nature
905.0 - late effect of fracture of skull and face bones
907.0- late effect of intracranial injury without mention of skull fracture
950.0-950.9 - injury to optic nerve and pathways
995.55 - shaken infant syndrome

Spinal Cord Injuries (SCI)

806.00-806.9 - fracture of vertebral column with spinal cord injury
907.2* - late effect of spinal cord injury
952.00-952.9 - spinal cord injury without evidence of spinal bone injury

AND

the injury occurred on or after January 1, 1993

AND

the patient: was admitted as an inpatient to an acute care hospital, or died (or declared DOA) in the emergency department prior to admission, or was transferred from the emergency department of an out-of-state hospital.

Out-of-state hospitals are requested to report cases who are Minnesota residents or who were injured in Minnesota.

Does not report patients: seen only in the emergency room and then discharged; or admitted only as outpatients for observation, and then discharged; or admitted directly to long-term care or rehabilitation facilities.

Cases are submitted on the stand case report form or submitted via electronic media.

**Morbidity Table 11: Minnesota Behavioral Risk Factors^ of Adults -
County Synthetic Estimates and State Estimates, 1997**

	Estimated Percent of:						
	Seatbelt Non Use	Hyper- tension	Over- weight	Current Smokers	Acute Drinking	Chronic Drinking	Drinking and Driving
State of Minnesota	16.7	20.9	29.4	22.0	15.7	2.7	3.8
Aitkin	16.2	27.4	31.7	19.6	11.7	2.4	2.9
Anoka	16.9	17.7	28.9	23.3	17.4	2.9	4.2
Becker	16.5	23.9	30.6	20.9	13.9	2.6	3.4
Beltrami	17.0	20.4	28.4	22.3	16.4	2.8	4.0
Benton	16.9	20.3	28.6	22.1	16.4	2.8	4.0
Big Stone	16.0	27.6	31.5	19.4	11.7	2.3	2.9
Blue Earth	17.5	19.2	26.6	22.9	18.0	3.1	4.5
Brown	16.4	23.8	29.9	20.9	14.1	2.6	3.4
Carlton	16.6	23.2	30.4	21.2	14.3	2.6	3.5
Carver	16.8	19.1	29.2	22.6	16.7	2.8	4.0
Cass	16.4	25.5	31.2	20.3	12.8	2.5	3.1
Chippewa	16.2	25.8	31.0	20.0	12.8	2.4	3.1
Chisago	16.7	21.3	29.9	21.9	15.3	2.7	3.7
Clay	16.9	19.8	27.4	22.5	16.8	2.8	4.2
Clearwater	16.6	25.3	30.8	20.4	13.2	2.6	3.2
Cook	16.3	23.5	31.0	21.0	13.8	2.5	3.4
Cottonwood	16.2	26.7	31.2	19.8	12.4	2.4	3.0
Crow Wing	16.4	24.1	30.5	20.8	13.7	2.5	3.3
Dakota	16.8	17.8	28.8	23.1	17.2	2.8	4.1
Dodge	16.6	22.0	29.8	21.6	15.1	2.6	3.6
Douglas	16.6	24.2	30.3	20.8	13.9	2.6	3.4
Faribault	16.1	26.5	31.3	19.9	12.4	2.4	3.0
Fillmore	16.4	25.6	30.7	20.2	13.1	2.5	3.2
Freeborn	16.4	24.6	30.7	20.6	13.5	2.5	3.3
Goodhue	16.5	23.2	30.3	21.1	14.3	2.6	3.5
Grant	16.1	27.6	31.6	19.4	11.8	2.4	2.9
Hennepin	16.7	19.9	29.0	22.3	16.3	2.7	3.9
Houston	16.5	23.4	30.4	21.0	14.2	2.6	3.5
Hubbard	16.3	25.0	31.2	20.6	13.0	2.5	3.2
Isanti	16.7	21.0	29.8	22.0	15.4	2.7	3.7
Itasca	16.4	23.6	30.6	21.0	13.8	2.5	3.4
Jackson	16.4	25.5	30.8	20.2	13.2	2.5	3.2
Kanabec	16.6	23.2	30.4	21.2	14.3	2.6	3.5
Kandiyohi	16.7	22.5	29.6	21.4	14.9	2.7	3.6
Kittson	16.4	26.2	31.2	19.9	12.7	2.5	3.1
Koochiching	16.9	22.8	30.4	21.5	14.8	2.7	3.7
Lac Qui Parle	16.2	27.3	31.6	19.5	12.0	2.4	2.9
Lake	16.3	25.0	31.5	20.6	13.0	2.5	3.2
Lake of the Woods	16.6	24.0	30.7	20.9	13.9	2.6	3.4
Le Sueur	16.6	23.0	30.3	21.3	14.5	2.7	3.5
Lincoln	16.3	28.2	31.6	19.2	11.6	2.4	2.8
Lyon	16.7	22.5	29.1	21.4	15.1	2.7	3.7
McLeod	16.7	22.6	29.9	21.4	14.8	2.7	3.6
Mahnomen	16.4	25.1	30.9	20.5	13.2	2.5	3.2
Marshall	16.5	25.1	31.0	20.5	13.3	2.6	3.2
Martin	16.3	25.3	30.9	20.3	13.0	2.5	3.2

**Morbidity Table 11: Minnesota Behavioral Risk Factors^ of Adults -
County Synthetic Estimates and State Estimates, 1997**

	Estimated Percent of:						
	Seatbelt Non Use	Hyper- tension	Over- weight	Current Smokers	Acute Drinking	Chronic Drinking	Drinking and Driving
State of Minnesota	16.7	20.9	29.4	22.0	15.7	2.7	3.8
Meeker	16.5	24.3	30.6	20.7	13.7	2.6	3.3
Mille Lacs	16.4	24.2	30.5	20.8	13.7	2.5	3.3
Morrison	16.6	23.6	30.3	21.0	14.2	2.6	3.5
Mower	16.3	25.5	30.8	20.2	13.0	2.5	3.2
Murray	16.3	26.3	31.3	20.0	12.6	2.5	3.1
Nicollet	17.1	19.7	28.0	22.5	16.9	2.9	4.2
Nobles	16.5	24.5	30.4	20.7	13.8	2.6	3.4
Norman	16.4	26.9	31.5	19.7	12.3	2.5	3.0
Olmsted	16.6	19.8	29.3	22.4	16.1	2.7	3.9
Otter Tail	16.4	25.3	30.9	20.4	13.2	2.5	3.2
Pennington	16.8	23.3	29.7	21.2	14.7	2.7	3.6
Pine	16.8	23.8	30.7	21.0	14.3	2.7	3.5
Pipestone	16.3	26.0	30.7	20.0	12.9	2.5	3.1
Polk	16.5	24.1	30.2	20.8	14.0	2.6	3.4
Pope	16.3	26.8	31.3	19.7	12.3	2.4	3.0
Ramsey	16.6	20.3	28.8	22.1	16.1	2.7	3.9
Red Lake	16.6	25.1	30.9	20.5	13.5	2.6	3.3
Redwood	16.4	26.0	31.0	20.1	12.8	2.5	3.1
Renville	16.4	26.0	31.1	20.0	12.9	2.5	3.1
Rice	17.2	19.9	27.9	22.6	17.0	2.9	4.2
Rock	16.2	25.7	30.9	20.1	12.9	2.5	3.1
Roseau	17.0	22.0	29.7	21.6	15.5	2.8	3.7
St. Louis	16.5	23.3	30.0	21.1	14.3	2.6	3.5
Scott	17.0	18.4	29.1	23.0	17.1	2.8	4.1
Sherburne	17.3	17.9	28.3	23.2	17.7	3.0	4.3
Sibley	16.5	24.8	30.8	20.6	13.5	2.6	3.3
Stearns	17.3	19.4	27.6	22.7	17.4	3.0	4.3
Steele	16.6	22.3	29.9	21.5	14.9	2.6	3.6
Stevens	17.1	21.6	27.3	21.9	16.3	2.9	4.1
Swift	16.9	25.6	30.7	20.3	13.8	2.7	3.4
Todd	16.6	24.5	30.7	20.8	13.7	2.6	3.4
Traverse	16.0	28.4	31.9	19.1	11.3	2.3	2.8
Wabasha	16.6	23.4	30.3	21.1	14.3	2.6	3.5
Wadena	16.5	25.2	30.7	20.5	13.2	2.5	3.2
Waseca	16.6	23.1	30.0	21.1	14.6	2.6	3.6
Washington	16.7	18.4	29.4	23.0	16.7	2.8	4.0
Watonwan	16.4	24.9	30.8	20.5	13.5	2.5	3.3
Wilkin	16.5	24.4	30.5	20.7	13.8	2.6	3.4
Winona	17.1	20.5	27.6	22.3	16.7	2.9	4.1
Wright	16.9	20.0	29.3	22.4	16.2	2.8	3.9
Yellow Medicine	16.4	26.3	31.1	20.0	12.7	2.5	3.1

Source: Minnesota Department of Health, Behavioral Risk Factor Surveillance System

^See page D-26 for definitions

*Note: In previous County Health Tables, estimated percent of overweight included obesity.

Synthetic Estimates: County level estimated percentages for behavioral risk factors represent the percent of adults considered to be at risk for those behaviors in that county. These estimated percentages were derived through a synthetic estimation method, which adjusts statewide BRFSS percentages by the age and gender distributions of adults in each county.

**Morbidity Table 12: Minnesota Behavioral Risk Factors^ of Adults -
County Synthetic Estimates and State Estimates, 1997**

Estimated Percent of:						
	Health Status (fair or poor)*	Hospitalizations in Past Year	No Dentist Visits	No Doctor Visits	Cholesterol Checked in Past 5 Years	Reporting Limitations**
State of Minnesota	9.3	11.5	25.5	16.5	61.0	13.0
Aitkin	12.5	13.3	27.0	15.4	68.3	15.9
Anoka	7.6	10.3	24.3	17.3	58.6	11.6
Becker	10.8	12.3	26.2	16.1	64.5	14.3
Beltrami	9.3	11.7	25.6	16.3	59.6	12.9
Benton	9.2	11.7	25.8	16.3	59.5	12.7
Big Stone	12.7	13.5	27.2	15.2	68.0	15.8
Blue Earth	8.9	11.9	25.9	16.0	56.5	12.6
Brown	10.9	12.6	26.4	15.7	63.7	14.3
Carlton	10.4	12.0	26.0	16.2	63.8	14.0
Carver	8.4	10.8	25.0	17.0	59.7	12.1
Cass	11.5	12.7	26.6	15.8	66.4	15.1
Chippewa	11.8	12.9	26.8	15.6	66.2	15.1
Chisago	9.6	11.5	25.4	16.7	62.1	13.2
Clay	9.1	11.9	25.7	15.9	58.3	12.9
Clearwater	11.7	12.8	26.6	15.8	65.9	15.0
Cook	10.5	11.9	25.8	16.5	64.9	14.1
Cottonwood	12.3	13.2	27.0	15.4	67.0	15.4
Crow Wing	10.9	12.4	26.2	15.8	64.7	14.4
Dakota	7.8	10.5	24.5	17.2	58.7	11.6
Dodge	9.9	11.8	25.8	16.3	62.3	13.4
Douglas	11.1	12.5	26.4	15.8	64.3	14.5
Faribault	12.1	13.1	26.8	15.4	66.9	15.3
Fillmore	11.8	13.0	26.8	15.6	65.7	15.0
Freeborn	11.2	12.5	26.3	15.9	65.1	14.6
Goodhue	10.5	12.1	26.1	16.2	63.6	13.9
Grant	12.7	13.4	27.3	15.3	68.0	15.8
Hennepin	8.9	11.3	25.3	16.5	60.0	12.5
Houston	10.6	12.2	26.2	16.1	63.9	14.0
Hubbard	11.2	12.5	26.2	15.9	66.1	14.8
Isanti	9.3	11.3	25.2	16.8	62.0	13.0
Itasca	10.6	12.1	25.9	16.2	64.7	14.3
Jackson	11.6	12.8	26.8	15.7	65.6	14.9
Kanabec	10.4	12.1	26.0	16.2	63.9	14.0
Kandiyohi	10.2	12.1	26.0	16.1	62.5	13.7
Kittson	12.1	13.0	26.9	15.7	66.6	15.2
Koochiching	10.2	11.8	25.9	16.6	63.2	13.8
Lac Qui Parle	12.6	13.3	27.3	15.4	67.7	15.7
Lake	11.1	12.4	26.2	16.0	66.2	14.8
Lake of the Woods	10.9	12.3	26.3	16.2	64.7	14.4
Le Sueur	10.4	12.0	26.0	16.3	63.5	13.9
Lincoln	13.1	13.7	27.5	15.2	68.5	16.1
Lyon	10.3	12.3	26.2	15.9	61.8	13.7
McLeod	10.2	12.0	25.9	16.2	62.8	13.7
Mahnomen	11.5	12.7	26.6	15.8	65.7	14.9
Marshall	11.4	12.6	26.5	16.0	65.8	14.8
Martin	11.6	12.7	26.6	15.7	65.8	14.8

**Morbidity Table 12: Minnesota Behavioral Risk Factors^ of Adults -
County Synthetic Estimates and State Estimates, 1997**

Estimated Percent of:						
	Health Status (fair or poor)*	Hospitalizations in Past Year	No Dentist Visits	No Doctor Visits	Cholesterol Checked in Past 5 Years	Reporting Limitations**
State of Minnesota	9.3	11.5	25.5	16.5	61.0	13.0
Meeker	11.0	12.4	26.3	16.0	64.8	14.5
Mille Lacs	11.0	12.4	26.2	15.9	64.7	14.4
Morrison	10.7	12.3	26.2	16.0	63.9	14.2
Mower	11.6	12.9	26.7	15.5	65.7	15.0
Murray	12.0	13.0	26.8	15.6	66.7	15.3
Nicollet	8.9	11.5	25.5	16.4	58.7	12.7
Nobles	11.2	12.6	26.5	15.8	64.5	14.5
Norman	12.4	13.2	27.1	15.5	67.3	15.6
Olmsted	8.8	11.2	25.1	16.6	60.4	12.5
Otter Tail	11.5	12.7	26.6	15.8	65.7	14.9
Pennington	10.7	12.3	26.2	16.0	63.1	14.0
Pine	10.7	12.2	26.4	16.4	64.0	14.2
Pipestone	12.0	13.1	27.0	15.3	65.9	15.1
Polk	11.0	12.5	26.5	15.8	64.1	14.4
Pope	12.3	13.2	27.1	15.5	67.2	15.5
Ramsey	9.1	11.6	25.5	16.2	60.1	12.7
Red Lake	11.5	12.7	26.7	16.0	65.4	14.7
Redwood	11.9	13.0	26.9	15.6	66.2	15.1
Renville	11.9	13.0	26.9	15.6	66.2	15.1
Rice	9.1	11.6	25.6	16.3	58.6	12.8
Rock	11.7	12.9	26.7	15.6	66.0	15.0
Roseau	10.0	11.9	26.1	16.4	61.8	13.4
St. Louis	10.6	12.2	26.0	16.0	63.5	14.1
Scott	8.1	10.6	24.8	17.3	59.0	11.8
Sherburne	8.0	10.6	24.7	17.3	57.9	11.7
Sibley	11.2	12.6	26.5	15.9	65.2	14.7
Stearns	8.8	11.6	25.6	16.3	57.9	12.6
Steele	10.0	11.9	25.8	16.3	62.6	13.6
Stevens	10.1	12.6	26.5	15.4	59.2	13.8
Swift	11.8	12.8	27.1	15.9	65.0	14.9
Todd	11.1	12.5	26.4	16.0	64.9	14.5
Traverse	13.0	13.7	27.6	15.0	68.7	16.2
Wabasha	10.6	12.2	26.1	16.2	63.9	14.1
Wadena	11.5	12.8	26.6	15.7	65.5	14.9
Waseca	10.5	12.1	26.1	16.2	63.1	13.9
Washington	8.0	10.4	24.2	17.4	60.0	12.0
Watonwan	11.3	12.6	26.6	15.8	65.1	14.7
Wilkin	11.1	12.5	26.5	15.9	64.5	14.4
Winona	9.5	12.1	26.0	15.9	58.8	13.1
Wright	8.9	11.1	25.2	16.9	60.5	12.6
Yellow Medicine	12.1	13.1	27.0	15.5	66.5	15.3

Source: Minnesota Department of Health, Behavioral Risk Factor Surveillance System

^See page D-26 for definitions

*estimate of those who perceive their health status to be fair or poor

**in any activities because of any impairment or health problem

Synthetic Estimates: County level estimated percentages for behavioral risk factors represent the percent of adults considered to be at risk for those behaviors in that county. These estimated percentages were derived through a synthetic estimation method, which adjusts statewide BRFSS percentages by the age and gender distributions of adults in each county.

Morbidity Tables 11 and 12:

Definitions for Behavior Risk Factors of Adults

Behavioral Risk Factor Surveillance System (BRFSS): A continuous monthly telephone survey that monitors health risk behaviors that has impact on chronic diseases and disabilities. Approximately, 4800 interviews of adults 18 years and older are completed yearly.

Lack of Seatbelt Usage: Respondent who report the "sometimes," "seldom," or "never use seatbelts.

Hypertension: Respondents who report "they have ever been told by a doctor, nurse, or other health professional they have high blood pressure."

Smoking: Current regular smoker (ever smoked 100 cigarettes and now smokes every day or some days).

Overweight: The prevalence of overweight is defined as a Body Mass Index (BMI) [(weight in kilograms)/(height in meters)²] is greater than or equal to 27.8 for men and greater than or equal to 27.3 for women

Acute Drinking: Respondents who report they have consumed five or more drinks on an occasion, one or more times in the month prior to the survey.

Chronic Drinking: Chronic drinking of adults is defined as the percent of male respondents 18 and older who report an average of more than two drinks per day and female respondents 18 and older who report an average of more than one drink per day.

Drinking and Driving: Respondents who report having driven after having too much to drink, one or more times in the month

Limitation of Activities: The percent of adults who are limited in any activities because of physical mental or emotional problems, OR those adults who have a health impairment that requires the use of special equipment, such as cane, a wheelchair, a special bed or special telephone.

No Exercise: Percent of respondents who reported no physical activities during the past month, other than regular job.

Section E: Chemical Health

Tables

Table 1: Alcohol-related motor vehicle fatalities

Table 2: Alcohol-related motor vehicle injuries

Table 3: Alcohol-related motor vehicle injuries

Table 4: Impaired Driving Incidents by Occurrence

**Chemical Health Table 1: Minnesota Alcohol-Related Motor Vehicle Fatalities
by State and County, 1995-1997**

	1995			1996			1997			1995-1997 Percent 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	597	246	41.2	576	205	35.6	600	178	29.7	35.5
Aitkin	7	4	57.1	2	0	0.0	5	1	20.0	35.7
Anoka	25	11	44.0	21	9	42.9	18	5	27.8	39.1
Becker	11	4	36.4	3	3	100.0	13	9	69.2	59.3
Beltrami	9	3	33.3	7	3	42.9	8	3	37.5	37.5
Benton	10	3	30.0	15	7	46.7	6	3	50.0	41.9
Big Stone	3	0	0.0	1	0	0.0	0	0	0.0	0.0
Blue Earth	10	7	70.0	12	3	25.0	6	0	0.0	35.7
Brown	7	3	42.9	2	0	0.0	6	1	16.7	26.7
Carlton	6	4	66.7	4	3	75.0	5	1	20.0	53.3
Carver	16	6	37.5	5	0	0.0	15	6	40.0	33.3
Cass	10	5	50.0	6	3	50.0	11	4	36.4	44.4
Chippewa	3	1	33.3	8	1	12.5	5	0	0.0	12.5
Chisago	6	2	33.3	13	5	38.5	5	1	20.0	33.3
Clay	12	6	50.0	4	1	25.0	7	1	14.3	34.8
Clearwater	5	3	60.0	4	0	0.0	2	1	50.0	36.4
Cook	0	0	0.0	2	0	0.0	2	1	50.0	25.0
Cottonwood	3	0	0.0	0	0	0.0	4	0	0.0	0.0
Crow Wing	8	3	37.5	13	3	23.1	9	3	33.3	30.0
Dakota	26	10	38.5	24	9	37.5	24	5	20.8	32.4
Dodge	5	2	40.0	4	1	25.0	3	0	0.0	25.0
Douglas	6	3	50.0	2	1	50.0	4	1	25.0	41.7
Faribault	6	2	33.3	3	1	33.3	0	0	0.0	33.3
Fillmore	4	2	50.0	4	0	0.0	3	3	100.0	45.5
Freeborn	10	3	30.0	7	1	14.3	3	1	33.3	25.0
Goodhue	6	1	16.7	3	1	33.3	10	4	40.0	31.6
Grant	1	0	0.0	0	0	0.0	0	0	0.0	0.0
Hennepin	54	19	35.2	55	26	47.3	57	19	33.3	38.6
Houston	4	1	25.0	4	2	50.0	2	0	0.0	30.0
Hubbard	2	0	0.0	7	3	42.9	4	1	25.0	30.8
Isanti	3	1	33.3	5	2	40.0	10	6	60.0	50.0
Itasca	7	0	0.0	5	4	80.0	11	2	18.2	26.1
Jackson	2	1	50.0	2	0	0.0	2	0	0.0	16.7
Kanabec	6	3	50.0	4	2	50.0	3	1	33.3	46.2
Kandiyohi	12	3	25.0	11	3	27.3	4	1	25.0	25.9
Kittson	1	0	0.0	2	2	100.0	2	0	0.0	40.0
Koochiching	3	0	0.0	2	2	100.0	3	0	0.0	25.0
Lac Qui Parle	0	0	0.0	2	0	0.0	2	0	0.0	0.0
Lake	2	1	50.0	2	1	50.0	2	1	50.0	50.0
Lake of the Woods	1	0	0.0	5	3	60.0	4	3	75.0	60.0
Le Sueur	0	0	0.0	4	1	25.0	1	0	0.0	20.0
Lincoln	2	0	0.0	1	1	100.0	0	0	0.0	33.3
Lyon	8	2	25.0	7	4	57.1	4	3	75.0	47.4
McLeod	6	2	33.3	15	1	6.7	6	3	50.0	22.2
Mahnomen	2	1	50.0	6	3	50.0	1	0	0.0	44.4

Chemical Health Table 1: Minnesota Alcohol-Related Motor Vehicle Fatalities by State and County, 1995-1997

	1995			1996			1997			1995-1997 Percent 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	597	246	41.2	576	205	35.6	600	178	29.7	35.5
Marshall	0	0	0.0	4	2	50.0	2	2	100.0	66.7
Martin	7	6	85.7	5	1	20.0	5	0	0.0	41.2
Meeker	4	3	75.0	6	1	16.7	3	0	0.0	30.8
Mille Lacs	2	1	50.0	6	0	0.0	7	3	42.9	26.7
Morrison	13	9	69.2	10	5	50.0	9	2	22.2	50.0
Mower	7	3	42.9	5	1	20.0	4	1	25.0	31.3
Murray	4	2	50.0	3	0	0.0	3	0	0.0	20.0
Nicollet	2	2	100.0	3	0	0.0	4	1	25.0	33.3
Nobles	1	1	100.0	1	0	0.0	4	1	25.0	33.3
Norman	0	0	0.0	3	2	66.7	1	0	0.0	50.0
Olmsted	11	2	18.2	14	3	21.4	16	2	12.5	17.1
Otter Tail	10	7	70.0	12	5	41.7	11	3	27.3	45.5
Pennington	1	1	100.0	2	0	0.0	0	0	0.0	33.3
Pine	10	4	40.0	6	3	50.0	2	2	100.0	50.0
Pipestone	2	2	100.0	2	0	0.0	3	0	0.0	28.6
Polk	7	4	57.1	5	2	40.0	3	2	66.7	53.3
Pope	1	0	0.0	5	3	60.0	4	2	50.0	50.0
Ramsey	28	13	46.4	26	8	30.8	32	8	25.0	33.7
Red Lake	0	0	0.0	2	0	0.0	1	0	0.0	0.0
Redwood	0	0	0.0	12	4	33.3	2	1	50.0	35.7
Renville	1	0	0.0	4	0	0.0	3	1	33.3	12.5
Rice	8	1	12.5	3	1	33.3	7	4	57.1	33.3
Rock	1	0	0.0	2	0	0.0	0	0	0.0	0.0
Roseau	1	1	100.0	6	3	50.0	5	2	40.0	50.0
St. Louis	26	17	65.4	24	12	50.0	30	11	36.7	50.0
Scott	14	5	35.7	13	5	38.5	21	3	14.3	27.1
Sherburne	7	3	42.9	12	2	16.7	12	3	25.0	25.8
Sibley	6	0	0.0	3	2	66.7	5	4	80.0	42.9
Stearns	22	14	63.6	17	8	47.1	10	3	30.0	51.0
Steele	10	4	40.0	4	0	0.0	11	4	36.4	32.0
Stevens	0	0	0.0	1	0	0.0	1	1	100.0	50.0
Swift	2	0	0.0	2	0	0.0	4	2	50.0	25.0
Todd	4	2	50.0	7	2	28.6	3	2	66.7	42.9
Traverse	3	0	0.0	0	0	0.0	1	0	0.0	0.0
Wabasha	4	2	50.0	2	2	100.0	7	1	14.3	38.5
Wadena	6	2	33.3	1	0	0.0	3	1	33.3	30.0
Waseca	1	0	0.0	4	2	50.0	8	0	0.0	15.4
Washington	16	4	25.0	8	2	25.0	13	6	46.2	32.4
Watsonwan	2	0	0.0	0	0	0.0	4	0	0.0	0.0
Wilkin	1	0	0.0	5	2	40.0	3	1	33.3	33.3
Winona	7	1	14.3	5	2	40.0	13	3	23.1	24.0
Wright	14	8	57.1	12	5	41.7	25	1	4.0	27.5
Yellow Medicine	1	0	0.0	1	0	0.0	3	1	33.3	20.0

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 fatality. Fatalities are by county of occurrence.

Three year 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, 1995-1997**

	1995			1996			1997			1995-1997 Percent 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	47,161	5,424	11.5	48,963	5,322	10.9	46,064	4,864	10.6	11.0
Aitkin	183	55	30.1	106	15	14.2	172	13	7.6	18.0
Anoka	2,613	327	12.5	2,771	276	10.0	2,769	296	10.7	11.0
Becker	273	65	23.8	232	42	18.1	234	50	21.4	21.2
Beltrami	266	31	11.7	351	41	11.7	379	44	11.6	11.6
Benton	404	34	8.4	406	34	8.4	376	45	12.0	9.5
Big Stone	29	0	0.0	41	6	14.6	34	1	2.9	6.7
Blue Earth	644	81	12.6	657	65	9.9	521	42	8.1	10.3
Brown	249	32	12.9	272	31	11.4	216	27	12.5	12.2
Carlton	233	42	18.0	244	35	14.3	200	22	11.0	14.6
Carver	546	73	13.4	593	67	11.3	552	66	12.0	12.2
Cass	254	70	27.6	224	63	28.1	259	62	23.9	26.5
Chippewa	144	21	14.6	146	20	13.7	118	10	8.5	12.5
Chisago	321	36	11.2	389	46	11.8	331	54	16.3	13.1
Clay	428	44	10.3	440	48	10.9	428	40	9.3	10.2
Clearwater	50	5	10.0	48	15	31.3	57	10	17.5	19.4
Cook	71	11	15.5	86	19	22.1	53	6	11.3	17.1
Cottonwood	99	19	19.2	76	3	3.9	99	8	8.1	10.9
Crow Wing	612	83	13.6	561	65	11.6	595	81	13.6	13.0
Dakota	2,463	241	9.8	2,616	253	9.7	2,548	227	8.9	9.5
Dodge	120	26	21.7	144	20	13.9	134	11	8.2	14.3
Douglas	363	47	12.9	392	47	12.0	363	33	9.1	11.4
Faribault	87	11	12.6	102	25	24.5	125	7	5.6	13.7
Fillmore	148	20	13.5	165	22	13.3	129	22	17.1	14.5
Freeborn	252	20	7.9	290	42	14.5	350	40	11.4	11.4
Goodhue	514	55	10.7	526	52	9.9	479	76	15.9	12.0
Grant	48	3	6.3	29	2	6.9	56	6	10.7	8.3
Hennepin	13,308	1,192	9.0	13,739	1,203	8.8	12,596	1,007	8.0	8.6
Houston	180	49	27.2	170	30	17.6	146	25	17.1	21.0
Hubbard	171	35	20.5	144	31	21.5	163	27	16.6	19.5
Isanti	246	18	7.3	291	47	16.2	334	48	14.4	13.0
Itasca	424	69	16.3	410	78	19.0	378	82	21.7	18.9
Jackson	86	13	15.1	105	7	6.7	122	14	11.5	10.9
Kanabec	155	32	20.6	152	21	13.8	114	22	19.3	17.8
Kandiyohi	530	66	12.5	489	58	11.9	489	39	8.0	10.8
Kittson	29	8	27.6	39	4	10.3	33	3	9.1	14.9
Koochiching	122	30	24.6	123	18	14.6	122	30	24.6	21.3
Lac Qui Parle	36	0	0.0	60	8	13.3	53	12	22.6	13.4
Lake	108	9	8.3	98	10	10.2	82	12	14.6	10.8
Lake of the Woods	14	1	7.1	37	5	13.5	23	4	17.4	13.5
Le Sueur	210	33	15.7	241	37	15.4	215	21	9.8	13.7
Lincoln	32	5	15.6	32	1	3.1	33	4	12.1	10.3
Lyon	205	22	10.7	218	15	6.9	199	18	9.0	8.8
McLeod	342	52	15.2	325	30	9.2	317	34	10.7	11.8
Mahnomen	75	15	20.0	66	25	37.9	54	17	31.5	29.2

Chemical Health Table 2: Minnesota Alcohol-Related Motor Vehicle Injuries by State and County, 1995-1997

	1995			1996			1997			1995-1997 Percent 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	47,161	5,424	11.5	48,963	5,322	10.9	46,064	4,864	10.6	11.0
Marshall	53	9	17.0	82	17	20.7	40	6	15.0	18.3
Martin	199	20	10.1	183	18	9.8	188	18	9.6	9.8
Meeker	188	27	14.4	230	23	10.0	210	16	7.6	10.5
Mille Lacs	308	56	18.2	264	44	16.7	217	23	10.6	15.6
Morrison	251	55	21.9	330	39	11.8	270	64	23.7	18.6
Mower	269	26	9.7	265	26	9.8	289	37	12.8	10.8
Murray	55	10	18.2	47	12	25.5	55	3	5.5	15.9
Nicollet	191	33	17.3	209	29	13.9	187	23	12.3	14.5
Nobles	157	20	12.7	182	21	11.5	217	26	12.0	12.1
Norman	80	15	18.8	76	6	7.9	43	6	14.0	13.6
Olmsted	1,211	103	8.5	1,224	106	8.7	1,087	102	9.4	8.8
Otter Tail	429	67	15.6	516	57	11.0	491	51	10.4	12.2
Pennington	184	18	9.8	151	17	11.3	160	23	14.4	11.7
Pine	300	50	16.7	317	54	17.0	245	44	18.0	17.2
Pipestone	57	7	12.3	61	11	18.0	57	5	8.8	13.1
Polk	280	41	14.6	302	38	12.6	272	53	19.5	15.5
Pope	42	3	7.1	62	1	1.6	51	14	27.5	11.6
Ramsey	5,677	537	9.5	6,057	580	9.6	5,514	510	9.2	9.4
Red Lake	28	4	14.3	26	7	26.9	41	14	34.1	26.3
Redwood	154	16	10.4	164	26	15.9	150	11	7.3	11.3
Renville	99	19	19.2	152	22	14.5	120	20	16.7	16.4
Rice	487	65	13.3	528	81	15.3	546	49	9.0	12.5
Rock	96	9	9.4	106	11	10.4	98	4	4.1	8.0
Roseau	102	18	17.6	108	10	9.3	80	12	15.0	13.8
St. Louis	1,769	259	14.6	1,732	284	16.4	1,593	240	15.1	15.4
Scott	640	77	12.0	745	98	13.2	766	68	8.9	11.3
Sherburne	464	55	11.9	470	45	9.6	473	64	13.5	11.7
Sibley	120	27	22.5	124	34	27.4	94	7	7.4	20.1
Stearns	1,525	153	10.0	1,581	142	9.0	1,462	137	9.4	9.5
Steele	298	37	12.4	318	40	12.6	325	32	9.8	11.6
Stevens	79	18	22.3	38	6	15.8	71	8	11.3	17.0
Swift	61	4	6.6	75	6	8.0	72	8	11.1	8.7
Todd	153	26	17.0	169	34	20.1	204	40	19.6	19.0
Traverse	38	1	2.6	33	7	21.2	29	3	10.3	11.0
Wabasha	188	34	18.1	172	29	16.9	171	33	19.3	18.1
Wadena	144	27	18.8	127	17	13.4	124	21	16.9	16.5
Waseca	122	16	13.1	148	14	9.5	153	18	11.8	11.3
Washington	1,476	155	10.5	1,380	130	9.4	1,264	118	9.3	9.8
Watonwan	94	10	10.6	70	9	12.9	93	26	28.0	17.5
Wilkin	102	18	17.6	113	22	19.5	90	12	13.3	17.0
Winona	470	67	14.3	408	65	15.9	493	54	11.0	13.6
Wright	753	96	12.7	876	95	10.8	842	111	13.2	12.2
Yellow Medicine	81	15	18.5	96	7	7.3	67	12	17.9	13.9

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 injury. Injuries are by county of occurrence.

Three year 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 Crashes
by State and County, 1995-1997**

	1995			1996			1997			1995-1997 Percent 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	96,022	6,487	6.8	105,332	6,463	6.1	98,626	5,901	6.0	6.3
Aitkin	299	47	15.7	283	23	8.1	303	21	6.9	10.3
Anoka	4,600	340	7.4	5,136	324	6.3	4,846	310	6.4	6.7
Becker	424	58	13.7	370	41	11.1	404	50	12.4	12.4
Beltrami	719	48	6.7	863	54	6.3	780	64	8.2	7.0
Benton	755	42	5.6	770	53	6.9	637	39	6.1	6.2
Big Stone	110	1	0.9	99	10	10.1	102	2	2.0	4.2
Blue Earth	1,375	101	7.3	1,554	95	6.1	1,360	66	4.9	6.1
Brown	467	35	7.5	530	30	5.7	459	25	5.4	6.2
Carlton	438	32	7.3	461	41	8.9	412	30	7.3	7.9
Carver	1,090	82	7.5	1,199	76	6.3	1,085	81	7.5	7.1
Cass	425	72	16.9	442	68	15.4	454	65	14.3	15.5
Chippewa	225	20	8.9	235	17	7.2	221	15	6.8	7.6
Chisago	677	51	7.5	763	55	7.2	757	58	7.7	7.5
Clay	1,086	68	6.3	1,249	73	5.8	1,310	57	4.4	5.4
Clearwater	95	14	14.7	104	14	13.5	93	11	11.8	13.4
Cook	148	19	12.8	166	21	12.7	135	10	7.4	11.1
Cottonwood	163	14	8.6	166	9	5.4	161	12	7.5	7.1
Crow Wing	1,201	95	7.9	1,154	75	6.5	1,229	77	6.3	6.9
Dakota	5,043	303	6.0	5,543	318	5.7	5,131	279	5.4	5.7
Dodge	233	26	11.2	271	19	7.0	272	16	5.9	7.9
Douglas	882	53	6.0	912	56	6.1	920	40	4.3	5.5
Faribault	161	18	11.2	210	23	11.0	198	8	4.0	8.6
Fillmore	297	29	9.8	355	28	7.9	307	26	8.5	8.7
Freeborn	570	28	4.9	798	43	5.4	758	42	5.5	5.3
Goodhue	1,017	62	6.1	1,111	60	5.4	1,050	77	7.3	6.3
Grant	89	5	5.6	89	4	4.5	117	7	6.0	5.4
Hennepin	28,055	1,540	5.5	30,225	1,527	5.1	28,429	1,410	5.0	5.2
Houston	307	36	11.7	364	26	7.1	321	24	7.5	8.7
Hubbard	253	28	11.1	280	35	12.5	254	33	13.0	12.2
Isanti	504	41	8.1	577	55	9.5	615	50	8.1	8.6
Itasca	704	68	9.7	809	85	10.5	732	69	9.4	9.9
Jackson	174	15	8.6	244	17	7.0	226	10	4.4	6.5
Kanabec	232	29	12.5	243	23	9.5	211	23	10.9	10.9
Kandiyohi	879	64	7.3	871	55	6.3	899	48	5.3	6.3
Kittson	99	7	7.1	98	5	5.1	88	7	8.0	6.7
Koochiching	217	24	11.1	263	25	9.5	232	33	14.2	11.5
Lac Qui Parle	67	1	1.5	106	5	4.7	103	8	7.8	5.1
Lake	244	12	4.9	231	19	8.2	213	16	7.5	6.8
Lake of the Woods	51	2	3.9	65	6	9.2	50	5	10.0	7.8
Le Sueur	438	47	10.7	528	46	8.7	510	30	5.9	8.3
Lincoln	90	5	5.6	106	4	3.8	78	4	5.1	4.7
Lyon	423	24	5.7	540	27	5.0	471	34	7.2	5.9
McLeod	628	45	7.2	699	38	5.4	701	50	7.1	6.6
Mahnomen	70	13	18.6	74	14	18.9	66	10	15.2	17.6

Chemical Health Table 3: Minnesota Alcohol-Related Motor Vehicle Crashes by State and County, 1995-1997

	1995			1996			1997			1995-1997 Percent 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	96,022	6,487	6.8	105,332	6,463	6.1	98,626	5,901	6.0	6.3
Marshall	107	13	12.1	123	12	9.8	99	10	10.1	10.6
Martin	362	27	7.5	444	23	5.2	399	24	6.0	6.1
Meeker	320	21	6.6	345	23	6.7	334	18	5.4	6.2
Mille Lacs	455	52	11.4	434	41	9.4	397	35	8.8	10.0
Morrison	565	60	10.6	555	57	10.3	495	49	9.9	10.3
Mower	670	38	5.7	676	37	5.5	685	41	6.0	5.7
Murray	109	13	11.9	123	8	6.5	123	7	5.7	7.9
Nicollet	443	40	9.0	488	30	6.1	449	22	4.9	6.7
Nobles	378	19	5.0	485	20	4.1	457	18	3.9	4.3
Norman	98	12	12.2	138	9	6.5	128	11	8.6	8.8
Olmsted	2,272	145	6.4	2,487	122	4.9	2,314	125	5.4	5.5
Otter Tail	837	74	8.8	964	68	7.1	996	58	5.8	7.2
Pennington	243	20	8.2	278	19	6.8	255	19	7.5	7.5
Pine	538	58	10.8	525	48	9.1	571	53	9.3	9.7
Pipestone	130	11	8.5	130	12	9.2	146	7	4.8	7.4
Polk	535	56	10.5	569	38	6.7	559	47	8.4	8.5
Pope	132	11	8.3	122	3	2.5	142	12	8.5	6.6
Ramsey	13,478	731	5.4	15,006	782	5.2	13,679	696	5.1	5.2
Red Lake	47	6	12.8	67	8	11.9	73	9	12.3	12.3
Redwood	225	14	6.2	284	28	9.9	235	18	7.7	8.1
Renville	202	23	11.4	300	30	10.0	261	19	7.3	9.4
Rice	967	66	6.8	1,110	87	7.8	1,119	53	4.7	6.4
Rock	218	11	5.0	265	10	3.8	249	9	3.6	4.1
Roseau	234	14	6.0	205	14	6.8	176	12	6.8	6.5
St. Louis	3,264	298	9.1	3,399	319	9.4	3,031	282	9.3	9.3
Scott	1,341	112	8.4	1,556	119	7.6	1,342	81	6.0	7.4
Sherburne	789	62	7.9	908	50	5.5	953	61	6.4	6.5
Sibley	231	23	10.0	314	40	12.7	206	12	5.8	10.0
Stearns	2,905	183	6.3	2,988	170	5.7	2,518	161	6.4	6.1
Steele	636	45	7.1	837	38	4.5	863	46	5.3	5.5
Stevens	131	9	6.9	129	6	4.7	167	7	4.2	5.2
Swift	125	9	7.2	146	9	6.2	156	13	8.3	7.3
Todd	347	32	9.2	400	35	8.8	427	43	10.1	9.4
Traverse	40	2	5.0	53	7	13.2	47	2	4.3	7.9
Wabasha	326	35	10.7	379	37	9.8	332	34	10.2	10.2
Wadena	284	27	9.5	273	21	7.7	246	22	8.9	8.7
Waseca	272	17	6.3	360	21	5.8	292	23	7.9	6.6
Washington	2,930	198	6.8	3,182	196	6.2	2,870	162	5.6	6.2
Watsonwan	152	7	4.6	152	14	9.2	152	10	6.6	6.8
Wilkin	197	19	9.6	221	24	10.9	191	18	9.4	10.0
Winona	1,049	90	8.6	1,126	77	6.8	1,160	80	6.9	7.4
Wright	1,270	103	8.1	1,484	100	6.7	1,487	108	7.3	7.3
Yellow Medicine	144	17	11.8	146	9	6.2	145	12	8.3	8.7

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.

Three year 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 4: Minnesota Impaired Driving Incidents on Record by County of Occurrence per 10,000 Population, 1993-1997

	1993		1994		1995		1996		1997		1993-1997
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Rate
State of Minnesota^	30,122	66.6	29,299	64.1	30,255	65.6	30,515	65.5	30,905	66.0	65.5
Aitkin	58	45.0	67	50.7	91	67.6	74	54.0	108	77.9	59.3
Anoka	1,966	74.6	1,752	64.7	1,659	60.0	1,578	55.9	1,504	52.5	61.3
Becker	275	96.4	330	114.5	376	129.3	334	114.5	324	110.8	113.2
Beltrami	365	100.3	376	100.4	340	89.8	275	71.9	292	75.4	87.3
Benton	160	49.7	171	52.7	185	56.2	186	55.8	177	52.6	53.4
Big Stone	25	41.6	17	*	20	33.9	24	41.1	20	35.2	36.0
Blue Earth	321	60.1	312	58.0	319	58.8	408	75.3	461	85.3	67.5
Brown	136	49.9	117	43.0	122	45.0	130	47.7	119	43.7	45.9
Carlton	222	74.0	194	64.1	234	77.3	263	86.4	282	91.9	78.8
Carver	312	57.6	319	56.3	310	52.4	309	50.3	271	42.9	51.6
Cass	160	68.1	147	61.4	154	62.3	170	67.1	172	66.8	65.2
Chippewa	46	35.1	24	18.3	39	29.7	37	28.2	29	22.3	26.7
Chisago	310	91.4	280	78.9	222	60.0	269	70.6	305	77.3	75.3
Clay	563	109.5	546	105.7	655	126.3	600	115.7	501	96.7	110.8
Clearwater	70	84.7	78	93.8	91	109.6	88	106.6	101	123.2	103.5
Cook	52	121.7	40	90.9	50	109.8	64	136.5	38	80.2	107.7
Cottonwood	47	37.6	40	32.0	46	37.1	38	30.8	46	37.5	35.0
Crow Wing	409	85.6	440	90.2	497	100.1	537	106.1	497	97.3	96.0
Dakota	2,285	75.0	2,124	68.7	2,184	68.8	2,247	68.9	2,281	68.2	69.9
Dodge	56	34.0	70	42.2	61	36.5	104	61.7	71	41.8	43.3
Douglas	175	59.0	209	69.9	195	64.6	227	74.5	207	67.4	67.1
Faribault	75	45.2	56	33.8	45	27.3	56	34.1	70	42.6	36.6
Fillmore	192	92.9	162	78.2	137	66.0	110	52.7	129	62.4	70.4
Freeborn	273	83.6	265	81.6	219	68.5	269	84.1	267	84.6	80.5
Goodhue	314	75.1	347	82.6	338	80.0	312	73.6	311	72.8	76.8
Grant	32	52.4	33	53.4	24	38.7	26	42.2	23	37.5	44.8
Hennepin	7,096	67.8	7,159	68.1	7,297	69.1	7,206	68.1	7,318	69.5	68.5
Houston	169	88.9	147	77.0	123	64.2	110	57.2	112	58.2	69.1
Hubbard	126	80.7	98	61.6	75	46.5	107	65.2	94	56.1	61.9
Isanti	174	63.3	146	52.5	208	73.5	203	70.0	188	63.6	64.6
Itasca	304	72.0	292	68.2	287	66.7	292	67.3	323	74.2	69.7
Jackson	69	59.0	61	51.9	65	55.6	55	46.9	50	42.7	51.2
Kanabec	138	104.7	101	75.1	105	76.6	119	86.0	91	64.8	81.2
Kandiyohi	317	79.0	231	57.0	232	56.8	280	67.8	279	67.9	65.7
Kittson	31	55.8	31	56.5	26	47.6	25	46.1	20	37.3	48.8
Koochiching	105	64.9	103	63.9	92	57.5	93	58.6	95	60.6	61.1
Lac Qui Parle	20	23.2	16	*	6	*	6	*	14	*	14.8
Lake	43	40.8	45	42.6	40	37.7	33	30.8	53	49.5	40.3
Lake of the Woods	37	86.1	27	61.9	29	64.7	23	50.0	18	*	60.1
Le Sueur	135	56.6	131	54.2	140	57.3	100	40.5	116	46.6	51.0
Lincoln	25	36.4	23	33.7	18	*	14	*	14	*	27.9
Lyon	252	101.6	220	87.9	214	85.6	211	85.1	169	68.9	85.9
McLeod	345	105.1	298	90.2	315	94.9	276	82.1	338	100.3	94.5
Mahnomen	104	202.3	114	221.8	81	156.6	77	149.7	136	267.2	199.3
Marshall	30	28.1	36	33.9	31	29.3	25	23.7	27	25.7	28.2
Martin	103	45.3	116	51.5	97	43.0	97	43.2	125	56.2	47.8
Meeker	140	67.0	143	67.5	157	73.8	141	65.7	143	66.4	68.1
Mille Lacs	182	93.7	206	104.8	227	113.6	296	145.7	242	117.1	115.3
Morrison	198	66.1	176	58.5	197	65.1	187	61.3	202	66.2	63.4
Mower	228	60.8	237	63.3	207	55.5	197	53.0	224	60.3	58.6
Murray	47	48.6	42	43.7	47	49.2	44	45.8	60	63.0	50.0
Nicollet	136	46.2	125	42.6	146	49.2	157	52.6	176	58.6	49.9

Chemical Health Table 4: Minnesota Impaired Driving Incidents on Record by County of Occurrence per 10,000 Population, 1993-1997

	1993		1994		1995		1996		1997		1993-1997
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Rate
State of Minnesota^	30,122	66.6	29,299	64.1	30,255	65.6	30,515	65.5	30,905	66.0	65.5
Nobles	135	66.5	181	89.0	205	101.4	159	79.3	162	82.1	83.7
Norman	30	38.6	33	42.8	48	62.2	51	65.8	28	36.3	49.1
Olmsted	521	46.2	526	46.5	501	44.5	439	38.8	560	48.9	45.0
Otter Tail	293	56.3	285	54.3	289	54.5	341	63.3	290	53.5	56.4
Pennington	115	85.9	96	71.7	131	97.7	128	94.4	125	92.3	88.4
Pine	146	65.3	119	52.8	219	96.3	289	123.9	320	135.7	95.4
Pipestone	76	73.1	59	56.9	65	63.1	69	68.2	59	58.5	64.0
Polk	326	99.7	251	76.8	297	91.3	300	92.5	296	92.2	90.5
Pope	59	54.2	72	65.8	65	59.3	67	60.6	50	45.9	57.2
Ramsey	2,101	43.3	2,072	42.7	2,375	49.0	2,440	50.4	2,707	55.9	48.2
Red Lake	15	*	13	*	15	*	6	*	23	52.9	32.8
Redwood	93	53.9	73	42.6	71	42.0	105	62.2	68	40.8	48.3
Renville	105	60.2	138	79.8	173	100.7	138	80.8	113	66.2	77.5
Rice	408	79.9	352	68.1	361	69.2	362	68.4	395	73.7	71.8
Rock	37	37.6	42	42.4	29	29.3	47	47.2	34	34.4	38.2
Roseau	185	118.9	124	79.6	92	57.5	98	60.4	92	56.4	74.2
St. Louis	1,004	50.6	1,163	58.7	1,245	63.3	1,218	62.0	1,319	67.6	60.4
Scott	532	81.9	472	69.7	523	74.5	521	71.6	526	69.1	73.2
Sherburne	382	79.2	419	83.0	469	88.6	411	74.2	382	66.0	77.9
Sibley	106	73.4	90	62.0	112	76.3	126	86.0	108	74.1	74.4
Stearns	924	75.2	842	67.7	799	63.5	859	67.6	826	64.8	67.7
Steele	189	60.4	156	49.8	176	56.0	160	50.7	212	67.2	56.8
Stevens	46	44.4	36	34.6	45	43.5	30	29.4	36	35.5	37.5
Swift	43	40.7	47	43.6	49	45.0	53	48.8	69	63.7	48.4
Todd	150	63.6	148	62.3	158	66.1	150	62.2	185	77.2	66.3
Traverse	24	55.4	30	69.7	19	*	25	58.2	17	*	53.5
Wabasha	96	47.5	105	51.4	109	53.0	127	61.2	159	76.6	58.0
Wadena	60	46.5	64	48.7	62	47.2	73	55.6	84	64.8	52.6
Waseca	124	69.3	106	59.4	118	65.5	123	68.3	129	71.0	66.7
Washington	1,302	78.4	1,418	81.4	1,330	74.0	1,473	79.6	1,347	70.3	76.6
Watsonwan	78	66.6	106	91.7	94	81.2	124	106.9	95	80.9	85.4
Wilkin	58	77.8	38	51.2	51	69.3	38	51.5	59	80.1	66.0
Winona	347	71.9	317	65.6	342	70.6	319	65.9	303	62.8	67.4
Wright	469	63.0	387	50.6	440	56.0	443	54.9	410	49.3	54.6
Yellow Medicine	90	77.1	79	67.6	103	88.5	94	81.3	84	72.6	77.4

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 DWI violations that occurred **WITHIN** that county/state each year.

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

Notes about the Chemical Health Indicators

IMPAIRED DRIVING INCIDENTS

The category includes alcohol and other drugs that may affect the operation of a motor vehicle. The vast majority of the incidents reported involve alcohol. The violations indicator includes violations for both failing and also refusing to take (implied consent law) a test for blood alcohol content. The driving while impaired indicators include both local law enforcement and State Patrol reports.

Source:

Minnesota Department of Public Safety, 651/201-7000

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.

Section F: Environmental Health

Tables

Table 1: Blood Lead Tests

Table 2: Food and Waterborne Outbreaks

Table 3: Hazardous Material Releases

Blood Lead, 1997

Lead poisoning is a significant, preventable environmental health problem among children in the United States. Lead poisoning can cause learning, behavior, and health problems in young children. In adults, lead can cause high blood pressure, kidney damage, and damage to the reproductive organs. Exposure pathways include deteriorating lead paint; soil and dust; drinking water; "take-home lead" by way of parental occupations and hobbies; air; food; and possibly "traditional" medicines.

The Minnesota Department of Health (MDH) maintains an extensive blood lead surveillance system for the purpose of monitoring trends in blood lead levels in Minnesota. Independent laboratories and/or hospitals report blood lead analyses to the MDH. The data are used to help ensure that screening services are provided to high risk groups and that environmental and medical follow-up is provided to children with elevated blood lead levels. Lead program staff advise local health departments of elevated venous blood lead levels that require follow up. Health care providers and public health agencies educate families of children with blood lead levels of 10 micrograms of lead per deciliter of blood (10 µg/dL) or greater about the hazards of lead. Homes of children and pregnant women with venous blood lead levels of 20 µg/dL or greater, or with levels of 15-19 µg/dL that persist for 90 days, are inspected for lead hazards so that homes can be made lead safe and blood lead levels can be reduced.

The results in the table below represent submitted reports of blood lead test of Minnesota children aged 0-72 months and adults (17 years of age or older) between January 1, 1997, and December 31, 1997. Some results of Minnesota patients tested in 1997 may not have been reported to the MDH. The table below shows the numbers of children 0-72 months of age tested in 1997 according to blood lead level, as well as adults with levels of 40 µg/dL or greater.

Environmental Health Table 1: Number of Patients Tested according to Age and Blood Lead Levels in Micrograms per Deciliter (µg/dL) in 1997 by State and County

	Number of Children (0 to 72 Months)				Adults ¹ (17+ years)
	10 to 14.9 µg/dL ¹	15 to 19.9 µg/dL ²	20 µg/dL or Greater ²	Total Tested ²	
State of Minnesota	1,883	373	358	37,455	63
Aitkin	3	1	1	32	0
Anoka	15	3	4	975	4
Becker	4	0	0	282	0
Beltrami	6	0	0	307	0
Benton	3	0	0	69	0
Big Stone	0	0	0	13	0
Blue Earth	7	4	3	261	0
Brown	5	0	1	100	0
Carlton	0	0	0	158	0
Carver	1	0	1	117	0
Cass	4	0	0	126	0
Chippewa	4	0	0	29	0
Chisago	3	0	0	101	0
Clay	17	0	0	354	0
Clearwater	3	0	0	47	0
Cook	0	0	0	6	0
Cottonwood	3	1	0	81	0
Crow Wing	7	0	0	166	0

Environmental Health Table 1: Number of Patients Tested according to Age and Blood Lead Levels in Micrograms per Deciliter ($\mu\text{g}/\text{dL}$) in 1997 by State and County

	Number of Children (0 to 72 Months)				Adults ¹ (17+ years)
	10 to 14.9 $\mu\text{g}/\text{dL}$ ¹	15 to 19.9 $\mu\text{g}/\text{dL}$ ²	20 $\mu\text{g}/\text{dL}$ or Greater ²	Total Tested ²	
State of Minnesota	1,883	373	358	37,455	63
Dakota	26	2	3	893	12
Dodge	2	0	0	61	0
Douglas	1	0	0	171	0
Faribault	8	0	0	66	0
Fillmore	4	0	0	103	1
Freeborn	0	0	0	79	0
Goodhue	14	3	0	248	2
Grant	0	0	0	27	0
Hennepin	972	233	231	14,824	6
Houston	1	1	0	112	0
Hubbard	0	0	0	10	0
Isanti	1	0	0	98	1
Itasca	6	0	1	240	0
Jackson	1	0	0	44	0
Kanabec	1	0	0	30	0
Kandiyohi	2	1	0	39	0
Kittson	1	0	0	40	0
Koochiching	2	0	0	16	0
Lac Qui Parle	1	0	0	23	0
Lake	1	0	1	37	0
Lake of the Woods	0	0	0	6	0
Le Sueur	6	1	0	95	0
Lincoln	2	0	0	12	0
Lyon	15	1	0	102	0
McLeod	1	0	1	33	0
Mahnomen	1	0	0	100	0
Marshall	1	1	0	96	0
Martin	6	2	1	140	0
Meeker	1	1	0	17	0
Mille Lacs	4	0	0	153	0
Morrison	4	0	0	168	0
Mower	3	0	0	101	0
Murray	2	0	1	48	0
Nicollet	2	2	0	76	0
Nobles	8	1	2	233	0
Norman	1	0	0	43	0
Olmsted	7	4	4	169	0
Otter Tail	3	0	0	121	0
Pennington	0	0	0	20	0
Pine	2	0	0	59	0
Pipestone	1	1	0	96	0
Polk	7	0	0	176	0
Pope	0	0	1	36	0
Ramsey	503	92	91	7,287	24
Red Lake	0	0	0	3	0
Redwood	3	0	0	55	0
Renville	13	2	1	106	0
Rice	4	0	0	205	0
Rock	0	0	0	8	0

Environmental Health Table 1: Number of Patients Tested according to Age and Blood Lead Levels in Micrograms per Deciliter ($\mu\text{g}/\text{dL}$) in 1997 by State and County

	Number of Children (0 to 72 Months)				Adults ¹ (17+ years)
	10 to 14.9 $\mu\text{g}/\text{dL}$ ¹	15 to 19.9 $\mu\text{g}/\text{dL}$ ²	20 $\mu\text{g}/\text{dL}$ or Greater ²	Total Tested ²	
State of Minnesota	1,883	373	358	37,455	63
Roseau	2	0	0	16	0
St. Louis	26	4	1	1,348	4
Scott	1	1	0	126	0
Sherburne	3	0	0	259	0
Sibley	3	0	0	73	0
Stearns	3	4	0	232	0
Steele	14	2	1	331	0
Stevens	1	0	0	41	0
Swift	3	0	1	42	0
Todd	5	0	1	154	0
Traverse	1	0	0	20	0
Wabasha	0	0	2	29	0
Wadena	6	0	0	221	0
Waseca	4	0	0	93	0
Washington	11	1	0	389	3
Watonwan	12	1	0	114	0
Wilkin	2	0	0	74	0
Winona	18	3	2	245	1
Wright	4	0	1	255	0
Yellow Medicine	1	0	1	26	0

Source: Minnesota Department of Health, Environmental Health Division

¹venous, capillary, and unknown test types

²results of venous tests only

Foodborne and Waterborne Disease Outbreaks, 1997

Biological organisms that may be present in food and water can cause illness when ingested. The Minnesota Department of Health (MDH) investigates foodborne and waterborne disease outbreaks. Epidemiologists in the Division of Disease Prevention and Control collaborate with sanitarians in the Division of Environmental Health and with local public health agencies in these investigations. Sanitarians conduct necessary inspections and provide data to the MDH epidemiologists, who assess exposures.

A confirmed foodborne disease outbreak is defined as an incident in which two or more persons experience a similar illness, usually gastrointestinal, after eating a common food item, and epidemiologic analysis implicates the food as the source of illness. When a specific food is suspect but data are insufficient for epidemiologic analysis, the outbreak is termed "probable." A waterborne disease outbreak is similar to a foodborne disease outbreak, except that epidemiologic analysis implicates exposure to water or water consumption as the source of illness. Nonfoodborne/nonwaterborne outbreaks are related by time and place of exposure but investigation results do not implicate food or water as the source of the outbreak.

The table below shows the number of confirmed foodborne outbreaks; the number of probable foodborne outbreaks; the number of nonfoodborne/nonwaterborne investigations; and the total number of foodborne and waterborne illness complaints in 1997. There were no confirmed or probable drinking waterborne outbreaks for any Minnesota county in 1997.

Environmental Health Table 2: Foodborne and Waterborne Outbreaks and Cases Minnesota by State and County, 1997

	Foodborne		Nonfoodborne/ Nonwaterborne ¹	Complaints	Totals
	Confirmed	Probable			
State of Minnesota	22	1	30	335	388
Aitkin	0	0	0	0	0
Anoka	0	0	1	18	19
Becker	0	0	0	0	0
Beltrami	0	0	0	1	1
Benton	0	0	0	2	2
Big Stone	0	0	0	0	0
Blue Earth	0	0	1	1	2
Brown	1	0	0	0	1
Carlton	0	0	0	1	1
Carver	0	0	0	2	2
Cass	0	0	0	0	0
Chippewa	0	0	0	1	1
Chisago	0	0	0	0	0
Clay	0	0	0	0	0
Clearwater	0	0	0	0	0
Cook	0	0	0	0	0
Cottonwood	1	0	0	0	1
Crow Wing	2	0	0	1	3
Dakota	4	0	3	49	56
Dodge	0	0	0	1	1
Douglas	0	0	0	1	1
Faribault	0	0	0	0	0
Fillmore	0	0	0	2	2
Freeborn	1	0	0	0	1
Goodhue	0	0	0	3	3
Grant	0	0	0	0	0
Hennepin	3	0	7	82	92
Houston	0	0	0	0	0
Hubbard	0	0	0	0	0
Isanti	0	0	0	1	1
Itasca	0	0	0	0	0
Jackson	0	0	0	2	2
Kanabec	0	0	0	0	0
Kandiyohi	0	0	0	0	0
Kittson	0	0	0	0	0
Koochiching	0	0	0	1	1
Lac Qui Parle	0	0	0	0	0
Lake	0	0	0	0	0
Lake of the Woods	0	0	0	0	0
Le Sueur	0	0	0	1	1
Lincoln	0	0	0	0	0
Lyon	0	0	1	0	1
McLeod	0	0	1	5	6
Mahnomen	0	0	0	0	0
Marshall	0	0	1	0	1
Martin	0	0	0	0	0
Meeker	0	0	1	1	2
Mille Lacs	0	0	0	0	0
Morrison	0	0	0	1	1
Mower	0	0	1	6	7
Murray	0	0	0	0	0

Environmental Health Table 2: Foodborne and Waterborne Outbreaks and Cases Minnesota by State and County, 1997

	Foodborne		Nonfoodborne/ Nonwaterborne ¹	Complaints	Totals
	Confirmed	Probable			
State of Minnesota	22	1	30	335	388
Nicollet	0	0	0	1	1
Nobles	1	0	0	1	2
Norman	0	0	0	0	0
Olmsted	4	0	1	46	51
Otter Tail	0	0	1	0	1
Pennington	0	0	0	0	0
Pine	0	0	0	2	2
Pipestone	0	0	0	1	1
Polk	0	0	0	0	0
Pope	0	0	0	2	2
Ramsey	1	0	4	47	52
Red Lake	0	0	0	0	0
Redwood	0	0	1	0	1
Renville	0	0	0	0	0
Rice	0	0	1	1	2
Rock	0	0	0	0	0
Roseau	0	0	0	1	1
St. Louis	2	1	1	11	15
Scott	0	0	1	7	8
Sherburne	1	0	0	6	7
Sibley	0	0	0	0	0
Stearns	0	0	0	4	4
Steele	0	0	0	0	0
Stevens	0	0	0	0	0
Swift	0	0	0	0	0
Todd	0	0	0	1	1
Traverse	0	0	0	0	0
Wabasha	0	0	0	2	2
Wadena	0	0	1	0	1
Waseca	0	0	0	0	0
Washington	0	0	1	12	13
Watonwan	0	0	0	0	0
Wilkin	1	0	0	0	1
Winona	0	0	1	3	4
Wright	0	0	0	4	4
Yellow Medicine	0	0	0	0	0

Source: Minnesota Department of Health, Infectious Disease Epidemiology, Prevention and Control Division

¹ epidemiological investigation conducted, neither food nor water implicated.

Hazardous Substances Emergency Events Surveillance, 1997

Hazardous materials are released daily throughout Minnesota as a result of industrial, agricultural, and domestic spills of acids, ammonia, and other chemicals. Many of these releases cause injuries and force evacuations. Injuries range from minor ailments, such as throat irritation, to death.

The Minnesota Department of Health receives reports of hazardous material releases from several sources, including the Minnesota Duty Officer, the United States Coast Guard's National Response Center, and other state agencies. Upon receipt of this initial report, the MDH calls the responsible party a release is called and a standard set of questions is asked including how many and obtains information to complete an extensive report. Information gathered includes the number of people who were evacuated, injured, or decontaminated, the identity of the materials spilled, and how much was spilled. Data on long-term health effects from chemical exposures are not collected. The MDH follow-up procedure has the advantage of providing more complete and accurate information than may have been available at the time of original notification of the release.

The table below compares hazardous material releases in different areas of the state. Data are from the period January 1 through December 31, 1997.

Environmental Health Table 3: Average Hazardous Material Releases, Injuries, Evacuations, and Chemicals per Event for 1997 in Minnesota by State and County*

	Events/County	Injuries/County	Evacuations/County	Chemicals/Event
Urban Counties	13.1	1.0	2.2	1.0
Rural Counties	1.9	0.1	0.2	2.1
	Events	Injuries	Evacuations	Chemicals
State of Minnesota	265	19	33	283
Aitkin	1	0	0	1
Anoka	4	0	1	5
Becker	0	0	0	0
Beltrami	0	0	0	0
Benton	1	0	0	1
Big Stone	1	0	0	1
Blue Earth	3	1	0	3
Brown	8	1	1	8
Carlton	19	0	0	24
Carver	4	0	0	4
Cass	0	0	0	0
Chippewa	3	0	0	5
Chisago	2	0	0	2
Clay	2	0	0	2
Clearwater	0	0	0	0
Cook	0	0	0	0
Cottonwood	2	1	1	2
Crow Wing	2	0	0	2
Dakota	20	0	2	20
Dodge	3	0	0	3
Douglas	1	0	0	1

Environmental Health Table 3: Average Hazardous Material Releases, Injuries, Evacuations, and Chemicals per Event for 1997 in Minnesota by State and County*

	Events/County	Injuries/County	Evacuations/County	Chemicals/Event
Urban Counties	13.1	1.0	2.2	1.0
Rural Counties	1.9	0.1	0.2	2.1
	Events	Injuries	Evacuations	Chemicals
State of Minnesota	265	19	33	283
Faribault	2	0	0	2
Fillmore	1	0	0	1
Freeborn	1	0	0	1
Goodhue	6	0	1	6
Grant	1	0	0	1
Hennepin	37	6	8	38
Houston	2	0	0	2
Hubbard	0	0	0	0
Isanti	0	0	0	0
Itasca	6	0	0	6
Jackson	1	0	0	1
Kanabec	0	0	0	0
Kandiyohi	0	0	0	0
Kittson	0	0	0	0
Koochiching	0	0	0	0
Lac Qui Parle	0	0	0	0
Lake	1	3	1	1
Lake of the Woods	0	0	0	0
Le Sueur	3	0	0	3
Lincoln	0	0	0	0
Lyon	2	0	0	2
McLeod	1	0	0	1
Mahnomen	0	0	0	0
Marshall	1	0	0	1
Martin	1	0	0	1
Meeker	3	0	1	3
Mille Lacs	2	1	0	2
Morrison	1	0	1	1
Mower	1	0	0	1
Murray	2	0	0	2
Nicollet	2	1	0	2
Nobles	3	0	1	3
Norman	2	0	0	4
Olmsted	7	0	1	8
Otter Tail	3	1	0	3
Pennington	0	0	0	0
Pine	1	0	0	1
Pipestone	2	1	0	2
Polk	1	0	0	1
Pope	1	0	0	1
Ramsey	19	2	4	19
Red Lake	0	0	0	0
Redwood	5	0	0	5
Renville	5	0	0	5
Rice	0	0	0	0
Rock	0	0	0	0

Environmental Health Table 3: Average Hazardous Material Releases, Injuries, Evacuations, and Chemicals per Event for 1997 in Minnesota by State and County*

	Events/County	Injuries/County	Evacuations/County	Chemicals/Event
Urban Counties	13.1	1.0	2.2	1.0
Rural Counties	1.9	0.1	0.2	2.1
	Events	Injuries	Evacuations	Chemicals
State of Minnesota	265	19	33	283
Roseau	2	0	0	2
St. Louis	7	0	1	8
Scott	2	0	0	2
Sherburne	2	0	0	2
Sibley	3	0	2	3
Stearns	3	0	1	3
Steele	3	0	0	3
Stevens	4	0	1	4
Swift	1	0	1	1
Todd	0	0	0	0
Traverse	0	0	0	0
Wabasha	2	0	0	3
Wadena	1	0	0	1
Waseca	1	0	0	1
Washington	18	1	3	18
Watonwan	3	0	1	3
Wilkin	0	0	0	0
Winona	5	0	0	9
Wright	1	0	0	1
Yellow Medicine	5	0	0	5

Source: Minnesota Department of Health, Environmental Health Division

***Urban counties:** Anoka, Carver, Dakota, Hennepin, Olmsted, Ramsey, St. Louis, Scott, and Washington counties (Includes counties with at least one city with a population more than 50,000 or located in the seven-county Twin Cities Metropolitan Area)