

Section B: Natality Tables

Nativity Table 1: Selected Minnesota Natality Statistics by State and County, 2002

	Number of Births	Fertility Rate	Birth Rate	Number of Deaths	Death Rate	Natural Rate of Increase
State of Minnesota	68,037	61.9	13.6	38,437	7.7	5.9
Aitkin	145	58.1	9.4	185	11.9	-2.6
Anoka	4,261	60.1	13.8	1,462	4.7	9.0
Becker	385	66.7	12.5	326	10.6	1.9
Beltrami	599	63.5	14.6	328	8.0	6.6
Benton	585	66.5	16.1	326	9.0	7.1
Big Stone	63	67.1	11.1	88	15.5	-4.4
Blue Earth	674	46.8	11.9	459	8.1	3.8
Brown	293	55.5	11.0	265	9.9	1.0
Carlton	392	61.6	12.0	325	10.0	2.1
Carver	1,165	66.0	15.4	304	4.0	11.4
Cass	337	67.1	12.1	263	9.4	2.7
Chippewa	128	55.5	9.9	171	13.2	-3.3
Chisago	757	75.0	17.0	320	7.2	9.8
Clay	587	45.9	11.3	421	8.1	3.2
Clearwater	94	59.7	11.2	115	13.7	-2.5
Cook	40	44.1	7.7	46	8.9	-1.2
Cottonwood	136	67.2	11.3	162	13.5	-2.2
Crow Wing	721	64.4	12.7	513	9.0	3.7
Dakota	5,328	62.1	14.4	1,758	4.8	9.7
Dodge	287	70.9	15.5	117	6.3	9.2
Douglas	355	55.2	10.6	365	10.9	-0.3
Faribault	160	59.1	10.0	233	14.6	-4.6
Fillmore	268	68.1	12.5	262	12.2	0.3
Freeborn	375	63.5	11.7	392	12.2	-0.5
Goodhue	528	58.2	11.8	453	10.1	1.7
Grant	66	59.8	10.5	86	13.7	-3.2
Hennepin	16,112	63.6	14.4	7,927	7.1	7.3
Houston	192	48.7	9.7	183	9.2	0.5
Hubbard	184	54.7	10.0	185	10.0	-0.1
Isanti	435	56.6	12.9	247	7.3	5.6
Itasca	465	57.1	10.5	491	11.1	-0.6
Jackson	105	52.1	9.3	140	12.4	-3.1
Kanabec	176	55.9	11.4	130	8.4	3.0
Kandiyohi	549	67.2	13.4	361	8.8	4.6
Kittson	41	50.7	8.1	71	14.0	-5.9
Koochiching	127	50.9	9.1	165	11.8	-2.7
Lac Qui Parle	69	53.9	8.7	127	16.0	-7.3
Lake	105	53.0	9.5	128	11.5	-2.1
Lake of the Woods	31	40.8	7.1	38	8.7	-1.6
Le Sueur	316	59.9	12.2	230	8.8	3.3
Lincoln	64	63.7	10.3	107	17.2	-6.9
Lyon	332	60.0	13.2	224	8.9	4.3
McLeod	506	68.7	14.3	284	8.0	6.3
Mahnomen	79	87.6	15.3	55	10.7	4.7

	Number of Births	Fertility Rate	Birth Rate	Number of Deaths	Death Rate	Natural Rate of Increase
State of Minnesota	68,037	61.9	13.6	38,437	7.7	5.9
Marshall	111	64.2	11.2	88	8.9	2.3
Martin	209	56.5	9.8	258	12.1	-2.3
Meeker	278	63.2	12.2	230	10.1	2.1
Mille Lacs	332	68.5	14.1	238	10.1	4.0
Morrison	395	61.7	12.2	326	10.1	2.1
Mower	539	74.3	13.9	404	10.4	3.5
Murray	103	68.8	11.4	93	10.3	1.1
Nicollet	388	53.4	12.8	199	6.6	6.2
Nobles	298	77.5	14.6	189	9.2	5.3
Norman	78	61.4	10.7	111	15.2	-4.5
Olmsted	2,002	69.1	15.5	828	6.4	9.1
Otter Tail	587	55.6	10.1	679	11.7	-1.6
Pennington	154	55.7	11.4	139	10.3	1.1
Pine	304	57.5	11.1	259	9.5	1.6
Pipestone	108	60.7	11.1	145	14.9	-3.8
Polk	374	62.7	12.0	394	12.7	-0.6
Pope	115	57.0	10.3	159	14.2	-3.9
Ramsey	7,359	63.1	14.4	4,006	7.8	6.6
Red Lake	37	47.3	8.6	48	11.1	-2.6
Redwood	225	78.4	13.8	211	13.0	0.9
Renville	193	63.2	11.3	201	11.8	-0.5
Rice	716	52.9	12.2	438	7.5	4.7
Rock	133	75.4	13.6	132	13.5	0.1
Roseau	207	63.8	12.8	135	8.3	4.4
St. Louis	2,004	48.4	10.0	2,225	11.1	-1.1
Scott	1,948	75.7	18.8	416	4.0	14.8
Sherburne	1,244	71.6	17.4	383	5.4	12.0
Sibley	194	65.1	12.6	160	10.4	2.2
Stearns	1,759	54.0	12.9	788	5.8	7.1
Steele	471	65.6	13.7	294	8.5	5.1
Stevens	97	40.2	9.8	86	8.7	1.1
Swift	124	71.7	10.7	131	11.3	-0.6
Todd	291	62.6	11.9	240	9.8	2.1
Traverse	34	55.2	8.6	56	14.2	-5.6
Wabasha	249	56.8	11.4	198	9.0	2.3
Wadena	156	64.4	11.5	186	13.7	-2.2
Waseca	224	60.6	11.5	155	8.0	3.6
Washington	2,882	61.6	13.7	1,072	5.1	8.6
Watonwan	128	60.5	11.0	112	9.6	1.4
Wilkin	63	46.7	9.0	69	9.9	-0.9
Winona	504	41.7	10.2	388	7.9	2.3
Wright	1,679	73.9	17.1	591	6.0	11.1
Yellow Medicine	118	61.1	10.9	136	12.6	-1.7

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, 2002

	Preterm Births		Low Birth Weight		Percent Very Low Birth Weight 2000-2002	Percent Small for Gestational Age
	Number	Percent	Number	Percent		
MN2004	---	---	---	3.5	---	---
HP2010	---	7.6	---	5.0	0.9	---
State of Minnesota	4,587	7.8	3,046	4.6	0.8	3.1
Aitkin	13	10.2	8	5.5	0.7	5.5
Anoka	291	8.0	157	3.8	0.8	2.6
Becker	27	8.0	19	5.2	0.9	3.6
Beltrami	53	10.4	27	4.6	1.1	3.9
Benton	43	7.6	27	4.7	0.7	1.2
Big Stone	9	14.8	4	6.6	2.5	3.3
Blue Earth	45	7.6	29	4.5	0.5	2.5
Brown	21	7.5	11	3.9	0.5	2.9
Carlton	18	5.7	11	2.9	0.6	2.5
Carver	77	7.6	41	3.7	0.7	1.9
Cass	27	9.3	18	5.5	1.1	3.5
Chippewa	7	6.1	3	2.5	0.3	2.7
Chisago	42	6.6	31	4.3	0.5	2.7
Clay	52	10.0	32	5.6	0.7	2.9
Clearwater	5	5.9	3	3.3	0.3	6.0
Cook	4	10.0	4	10.0	0.9	5.0
Cottonwood	7	5.4	4	3.0	0.7	3.1
Crow Wing	59	8.6	39	5.6	0.7	3.1
Dakota	340	7.1	218	4.2	0.7	2.7
Dodge	23	9.0	14	5.1	0.8	2.0
Douglas	32	9.2	21	6.0	1.1	3.4
Faribault	6	4.4	8	5.4	1.1	2.9
Fillmore	20	9.1	15	6.1	1.2	4.6
Freeborn	24	7.6	20	5.5	0.5	3.2
Goodhue	38	8.2	26	5.2	0.7	1.5
Grant	3	4.5	2	3.0	0.6	0.0
Hennepin	1,060	7.8	777	5.0	1.0	3.5
Houston	7	4.5	9	5.1	1.2	5.1
Hubbard	12	7.6	9	5.0	1.5	7.0
Isanti	36	9.1	16	3.7	0.9	2.8
Itasca	17	4.5	10	2.3	0.7	2.9
Jackson	10	9.9	7	6.7	0.9	6.9
Kanabec	10	8.9	7	4.2	0.8	3.6
Kandiyohi	46	9.1	26	4.9	1.0	2.4
Kittson	2	5.3	1	2.6	1.4	0.0
Koochiching	8	7.1	8	6.5	0.8	4.6
Lac Qui Parle	6	9.1	1	1.5	0.5	0.0
Lake	6	6.3	5	5.0	0.7	3.2
Lake of the Woods	4	16.7	3	10.3	2.1	0.0
Le Sueur	19	6.9	16	5.3	0.4	3.6
Lincoln	4	7.3	4	6.5	1.1	7.3
Lyon	31	11.0	16	5.0	0.8	3.5
McLeod	38	8.1	19	3.8	0.5	1.9
Mahnomen	7	10.3	3	3.9	0.4	4.4
Marshall	9	8.8	3	2.8	1.0	2.0
Martin	13	7.6	8	4.0	0.5	3.5
Meeker	23	9.2	5	1.8	0.2	0.8
Mille Lacs	24	8.0	17	5.2	1.2	2.3

	Preterm Births		Low Birth Weight		Percent Very Low Birth Weight 2000-2002	Percent Small for Gestational Age
	Number	Percent	Number	Percent		
MN2004	---	---	---	3.5	---	---
HP2010	---	7.6	---	5.0	0.9	---
State of Minnesota	4,587	7.8	3,046	4.6	0.8	3.1
Morrison	37	9.6	25	6.4	2.0	3.9
Mower	38	8.2	25	4.8	0.9	2.8
Murray	11	13.3	7	7.1	1.5	4.8
Nicollet	23	6.5	18	4.9	0.7	3.4
Nobles	24	9.3	14	4.9	0.5	2.7
Norman	4	6.3	3	4.1	0.5	3.1
Olmsted	159	8.6	95	4.9	0.9	3.0
Otter Tail	31	5.7	27	4.7	0.7	2.8
Pennington	7	4.7	4	2.6	0.2	2.0
Pine	24	11.7	21	7.2	0.9	4.4
Pipestone	6	5.9	3	2.9	0.6	3.0
Polk	35	10.3	18	4.9	0.8	1.8
Pope	10	9.3	4	3.7	1.0	4.7
Ramsey	453	7.6	396	5.5	1.1	4.1
Red Lake	4	11.4	1	2.8	0.7	0.0
Redwood	19	9.5	8	3.7	1.1	2.5
Renville	12	6.7	6	3.2	0.9	1.1
Rice	54	8.4	27	3.9	0.7	3.6
Rock	10	7.8	3	2.3	0.8	3.9
Roseau	12	6.6	6	3.0	0.8	1.6
St. Louis	168	9.3	89	4.6	0.8	3.3
Scott	114	6.6	61	3.3	0.4	2.4
Sherburne	72	6.7	40	3.4	0.4	2.3
Sibley	14	8.0	12	6.3	1.8	4.0
Stearns	146	8.7	92	5.4	0.8	2.3
Steele	24	5.7	16	3.5	0.7	2.9
Stevens	7	7.5	7	7.2	1.6	5.4
Swift	6	5.2	1	0.8	0.0	0.9
Todd	18	6.8	17	6.0	0.6	6.5
Traverse	4	12.9	4	12.5	2.1	3.2
Wabasha	18	8.1	16	6.8	1.9	3.6
Wadena	9	6.4	3	2.1	0.4	2.1
Waseca	14	6.7	11	5.1	0.1	3.8
Washington	157	6.5	105	3.8	0.7	2.6
Watonwan	13	11.3	9	7.1	0.6	3.5
Wilkin	5	8.6	3	4.9	0.5	3.4
Winona	31	6.8	17	3.4	0.6	2.6
Wright	110	7.8	67	4.1	0.6	1.9
Yellow Medicine	6	5.8	3	2.6	1.3	1.9

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

MN2004: Healthy Minnesotans: Public Health Improvement Goals (Fall, 1998)

HP2010: Healthy People 2010 Goals (U.S. Public Health Service)

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, 1998 - 2002

	Number of Infant Deaths - 2002	Infant Mortality Rate 1998-2002	Neonatal Mortality Rate 1998-2002	Post-neonatal Mortality Rate 1998- 2002	Fetal Death Rate 1998- 2002	Perinatal Death Rate 1998-2002
MN2004	---	5.0	---	---	---	---
HP2010	---	4.5	2.9	1.2	4.1	---
State of Minnesota	362	5.7	3.8	1.9	5.5	6.1
Aitkin	1	*	*	*	*	*
Anoka	12	4.7	3.1	1.6	5.7	5.5
Becker	2	*	*	*	*	*
Beltrami	6	7.9	*	*	6.8	7.6
Benton	4	*	*	*	*	7.4
Big Stone	0	*	*	*	*	*
Blue Earth	0	*	*	*	7.7	*
Brown	1	*	*	*	*	*
Carlton	2	*	*	*	*	*
Carver	2	4.1	*	*	3.7	4.1
Cass	2	*	*	*	*	*
Chippewa	0	*	*	*	*	*
Chisago	1	*	*	*	*	*
Clay	2	9.2	*	*	*	*
Clearwater	1	*	*	*	*	*
Cook	0	*	*	*	*	*
Cottonwood	0	*	*	*	*	*
Crow Wing	4	*	*	*	9.3	9.0
Dakota	20	4.3	3.0	1.2	5.3	5.2
Dodge	0	*	*	0.0	*	*
Douglas	4	*	*	*	*	*
Faribault	0	*	*	*	*	*
Fillmore	3	*	*	*	*	*
Freeborn	4	*	*	*	*	*
Goodhue	3	*	*	*	*	*
Grant	0	0.0	0.0	0.0	*	*
Hennepin	93	5.9	4.0	1.8	6.3	6.5
Houston	3	*	*	*	*	*
Hubbard	3	*	*	*	*	*
Isanti	3	*	*	*	*	*
Itasca	3	*	*	*	*	*
Jackson	0	*	*	*	*	*
Kanabec	0	*	*	*	*	*
Kandiyohi	2	*	*	*	*	*
Kittson	0	*	*	*	*	*
Koochiching	1	*	*	*	*	*
Lac Qui Parle	0	0.0	0.0	0.0	*	*
Lake	0	*	*	*	*	*
Lake of the Woods	0	*	*	0.0	*	*
Le Sueur	3	*	*	*	*	*
Lincoln	0	*	0.0	*	*	*
Lyon	4	*	*	*	*	*
McLeod	2	*	*	*	*	*
Mahnomen	3	*	0.0	*	*	*
Marshall	2	*	*	0.0	*	*
Martin	1	*	*	*	*	*
Meeker	0	*	*	*	*	*
Mille Lacs	4	*	*	*	*	*
Morrison	5	*	*	*	*	*

	Number of Infant Deaths - 2002	Infant Mortality Rate 1998-2002	Neonatal Mortality Rate 1998-2002	Post-neonatal Mortality Rate 1998- 2002	Fetal Death Rate 1998- 2002	Perinatal Death Rate 1998-2002
MN2004	---	5.0	---	---	---	---
HP2010	---	4.5	2.9	1.2	4.1	---
State of Minnesota	362	5.7	3.8	1.9	5.5	6.1
Mower	1	*	*	*	*	*
Murray	0	*	*	0.0	*	*
Nicollet	0	*	*	*	*	*
Nobles	2	*	*	*	*	*
Norman	1	*	*	0.0	*	*
Olmsted	20	6.4	4.9	*	7.0	7.9
Otter Tail	2	*	*	*	*	*
Pennington	0	*	*	*	*	*
Pine	2	*	*	*	*	*
Pipestone	1	*	*	*	*	*
Polk	0	*	*	*	*	*
Pope	0	*	*	*	*	*
Ramsey	41	7.6	5.1	2.6	5.7	7.2
Red Lake	2	*	*	*	*	*
Redwood	3	*	*	*	*	*
Renville	2	*	*	*	*	*
Rice	5	6.7	*	*	*	6.1
Rock	1	*	*	*	*	*
Roseau	1	*	*	*	*	*
St. Louis	12	6.9	4.6	2.3	5.5	8.1
Scott	4	2.6	*	*	5.2	3.5
Sherburne	6	4.2	*	*	4.9	4.7
Sibley	2	*	*	*	*	*
Stearns	8	5.2	3.6	*	3.7	5.9
Steele	3	*	*	*	*	9.2
Stevens	3	*	*	0.0	*	*
Swift	0	*	*	*	*	*
Todd	2	*	*	*	*	*
Traverse	0	*	0.0	*	*	*
Wabasha	2	*	*	0.0	*	*
Wadena	0	*	*	*	*	*
Waseca	1	*	*	*	*	*
Washington	16	5.3	3.4	1.9	4.6	5.5
Watonwan	1	*	*	*	*	*
Wilkin	1	*	*	*	*	*
Winona	3	*	*	*	*	*
Wright	7	4.1	3.1	*	4.3	4.7
Yellow Medicine	1	*	0.0	*	*	*

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

MN2004: Healthy Minnesotans: Public Health Improvement Goals (Fall, 1998)

HP2010: Healthy People 2010 Goals (U.S. Public Health Service)

*Rate not calculated for less than 20 events

Nativity Table 3: Definitions

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, 2002

	Percent of Prenatal Care Received in 1st Trimester	Percent Adequacy of Prenatal Care, GINDEX		
		Adequate or Better	Intermediate	Inadequate or None
MN2004	90.0	---	---	---
HP2010	90.0	---	---	---
State of Minnesota	85.5	77.4	18.9	3.7
Aitkin	84.4	72.2	22.2	5.6
Anoka	86.0	73.5	22.8	3.7
Becker	82.1	73.9	22.2	3.9
Beltrami	67.0	53.0	39.7	7.3
Benton	90.6	91.0	8.0	1.1
Big Stone	76.2	65.6	24.6	9.8
Blue Earth	88.0	86.4	11.5	2.2
Brown	88.0	87.1	11.4	1.4
Carlton	88.5	77.2	18.8	4.1
Carver	90.7	86.2	12.1	1.7
Cass	76.4	62.5	29.2	8.2
Chippewa	84.4	72.3	25.0	2.7
Chisago	89.3	81.3	16.7	2.0
Clay	87.7	83.6	14.8	1.5
Clearwater	71.7	56.5	34.1	9.4
Cook	87.5	72.5	27.5	0.0
Cottonwood	94.8	92.0	6.4	1.6
Crow Wing	85.0	75.3	21.7	3.1
Dakota	90.2	77.7	19.2	3.1
Dodge	87.6	78.7	18.6	2.8
Douglas	90.4	81.8	17.0	1.2
Faribault	89.9	80.9	12.5	6.6
Fillmore	81.7	75.8	14.0	10.2
Freeborn	90.5	85.4	11.1	3.5
Goodhue	90.1	85.7	12.4	2.0
Grant	92.4	80.3	15.2	4.5
Hennepin	83.6	74.9	20.1	5.0
Houston	89.6	85.3	12.8	1.9
Hubbard	80.0	61.0	30.5	8.4
Isanti	83.1	75.4	22.3	2.3
Itasca	92.1	89.5	7.7	2.8
Jackson	84.8	87.8	9.2	3.1
Kanabec	81.9	79.6	17.6	2.8
Kandiyohi	85.5	79.9	16.2	3.9
Kittson	92.5	78.4	21.6	0.0
Koochiching	72.0	60.6	35.8	3.7
Lac Qui Parle	92.6	90.9	7.6	1.5
Lake	88.5	71.3	26.6	2.1
Lake of the Woods	86.7	62.5	37.5	0.0
Le Sueur	83.8	76.1	21.7	2.2
Lincoln	81.0	65.5	34.5	0.0
Lyon	77.4	55.1	39.9	5.1
McLeod	87.3	80.8	16.8	2.4
Mahnomen	66.7	51.5	31.8	16.7
Marshall	89.7	80.0	17.0	3.0
Martin	86.5	85.8	12.3	1.9
Meeker	76.4	64.9	31.8	3.3
Mille Lacs	88.4	76.7	19.3	4.1
Morrison	90.5	86.4	12.3	1.3
Mower	70.9	67.0	26.7	6.3
Murray	85.4	75.0	19.0	6.0

	Percent of Prenatal Care Received in 1st Trimester	Percent Adequacy of Prenatal Care, GINDEX		
		Adequate or Better	Intermediate	Inadequate or None
MN2004	90.0	---	---	---
HP2010	90.0	---	---	---
State of Minnesota	85.5	77.4	18.9	3.7
Nicollet	91.9	88.3	10.6	1.1
Nobles	81.3	82.9	14.4	2.7
Norman	76.6	80.0	13.8	6.2
Olmsted	87.0	76.8	19.3	3.9
Otter Tail	82.5	80.0	15.8	4.2
Pennington	82.2	69.3	28.0	2.7
Pine	77.6	69.7	25.4	5.0
Pipestone	83.3	75.0	23.0	2.0
Polk	80.5	63.7	30.3	6.0
Pope	91.3	86.9	12.1	0.9
Ramsey	79.0	73.3	21.5	5.1
Red Lake	75.7	40.0	54.3	5.7
Redwood	89.3	72.9	26.6	0.5
Renville	82.4	77.7	15.1	7.3
Rice	83.5	78.7	17.5	3.8
Rock	85.7	82.0	15.6	2.3
Roseau	83.6	67.8	28.4	3.8
St. Louis	89.3	81.8	14.8	3.3
Scott	88.6	74.3	22.4	3.3
Sherburne	92.2	83.8	14.6	1.6
Sibley	86.2	84.6	12.6	2.9
Stearns	87.8	84.8	13.1	2.1
Steele	83.4	82.3	15.5	2.1
Stevens	83.5	71.4	27.5	1.1
Swift	87.1	84.5	12.9	2.6
Todd	72.4	64.5	29.3	6.3
Traverse	82.4	71.0	22.6	6.5
Wabasha	90.3	87.6	11.0	1.4
Wadena	77.4	65.9	24.6	9.4
Waseca	84.2	82.2	15.9	1.9
Washington	92.6	87.3	11.6	1.2
Watsonwan	84.0	81.4	16.8	1.8
Wilkin	85.7	79.3	20.7	0.0
Winona	88.7	86.2	11.4	2.4
Wright	91.8	85.1	13.4	1.5
Yellow Medicine	89.0	72.8	26.2	1.0

Source: Minnesota Department of Health, Center for Health Statistics

MN2004: Healthy Minnesotans: Public Health Improvement Goals (Fall, 1998)

HP2010: Healthy People 2010 Goals (U.S. Public Health Service)

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: Obstetric Procedures in Minnesota by State and County, 2002

	Cesarean Births - Percent	First Time Cesarean Births - Percent	Repeat Cesarean - Percent	Electric Fetal Monitoring - Percent	Ultrasound - Percent
HP2010	---	---	63.0	---	---
State of Minnesota	22.1	13.8	83.7	77.5	51.4
Aitkin	24.8	13.8	100.0	64.1	61.4
Anoka	21.4	13.4	87.6	53.7	42.8
Becker	24.7	11.7	90.9	83.6	41.3
Beltrami	25.2	15.2	78.9	94.7	76.5
Benton	17.3	10.9	84.1	94.4	95.6
Big Stone	41.3	22.2	92.3	60.3	23.8
Blue Earth	25.4	15.0	84.3	92.3	37.5
Brown	25.9	13.7	85.7	79.9	60.4
Carlton	24.2	14.0	83.3	87.5	49.5
Carver	24.4	14.1	92.3	83.9	64.9
Cass	24.3	12.2	82.0	85.5	75.4
Chippewa	26.6	20.3	72.7	85.9	46.9
Chisago	21.3	13.1	88.6	68.4	52.2
Clay	23.2	12.6	82.7	84.3	17.9
Clearwater	22.3	10.6	91.7	89.4	66.0
Cook	22.5	17.5	50.0	65.0	27.5
Cottonwood	22.1	13.2	85.7	84.6	58.1
Crow Wing	19.1	11.1	73.4	84.5	81.1
Dakota	20.1	12.7	84.2	82.5	38.8
Dodge	19.2	10.8	88.9	94.4	70.0
Douglas	25.9	16.9	84.2	86.8	93.5
Faribault	31.9	24.4	92.3	75.6	76.9
Fillmore	20.5	13.4	86.4	78.0	58.6
Freeborn	22.7	14.4	86.1	86.1	96.5
Goodhue	22.7	14.8	76.4	84.3	46.6
Grant	25.8	9.1	100.0	66.7	59.1
Hennepin	21.2	13.9	81.3	79.5	45.5
Houston	21.4	15.1	100.0	48.4	85.4
Hubbard	28.3	15.8	74.2	52.2	37.5
Isanti	24.1	15.9	83.7	75.6	64.8
Itasca	16.6	8.0	78.4	58.1	78.1
Jackson	21.9	7.6	83.3	85.7	58.1
Kanabec	25.0	14.2	90.5	74.4	79.5
Kandiyohi	21.7	11.1	82.9	90.0	55.7
Kittson	26.8	14.6	83.3	73.2	85.4
Koochiching	34.6	18.1	91.3	35.4	77.2
Lac Qui Parle	30.4	11.6	92.9	46.4	21.7
Lake	28.6	21.9	63.6	90.5	33.3
Lake of the Woods	38.7	22.6	100.0	41.9	87.1
Le Sueur	25.0	13.9	87.5	82.9	47.5
Lincoln	26.6	15.6	70.0	76.6	62.5
Lyon	34.6	20.5	87.0	67.2	61.1
McLeod	24.5	12.3	92.5	83.4	50.4
Mahnomen	20.3	6.3	84.6	88.6	38.0
Marshall	22.5	12.6	91.7	79.3	81.1
Martin	22.0	8.6	84.8	88.5	95.7
Meeker	23.0	14.0	86.2	92.1	35.3
Mille Lacs	29.2	17.5	90.7	73.8	61.1
Morrison	22.5	12.9	88.4	85.6	63.8
Mower	27.3	16.1	85.7	90.4	78.8
Murray	30.1	20.4	83.3	79.6	61.2

	Cesarean Births - Percent	First Time Cesarean Births - Percent	Repeat Cesarean - Percent	Electric Fetal Monitoring - Percent	Ultrasound - Percent
HP2010	---	---	63.0	---	---
State of Minnesota	22.1	13.8	83.7	77.5	51.4
Nicollet	28.9	20.1	94.4	89.7	44.1
Nobles	23.2	12.8	81.6	85.2	43.6
Norman	19.2	10.3	70.0	85.9	20.5
Olmsted	24.8	16.0	81.4	95.2	68.4
Otter Tail	23.9	12.9	90.1	61.0	33.4
Pennington	26.6	14.9	85.7	90.9	87.7
Pine	24.3	14.5	81.1	76.3	48.4
Pipestone	30.6	18.5	86.7	80.6	65.7
Polk	28.9	19.5	79.5	86.4	78.1
Pope	38.3	20.9	100.0	79.1	85.2
Ramsey	17.7	12.5	72.9	66.8	46.5
Red Lake	37.8	29.7	75.0	97.3	86.5
Redwood	25.8	14.7	67.6	77.3	44.0
Renville	19.7	10.4	94.7	90.7	35.8
Rice	25.0	14.1	84.8	79.9	52.1
Rock	19.5	12.8	64.3	84.2	51.1
Roseau	28.5	17.4	74.2	81.6	88.9
St. Louis	25.9	16.1	83.5	90.3	41.0
Scott	19.3	11.8	87.0	83.7	43.0
Sherburne	25.2	14.8	91.5	62.1	45.7
Sibley	30.9	14.4	94.1	81.4	61.9
Stearns	25.1	14.4	88.6	90.1	91.1
Steele	29.5	16.8	89.6	94.7	82.8
Stevens	26.8	15.5	91.7	81.4	33.0
Swift	25.0	13.7	93.3	79.8	46.0
Todd	20.3	8.6	82.9	63.6	66.7
Traverse	47.1	26.5	87.5	79.4	58.8
Wabasha	26.1	14.5	85.3	92.0	69.5
Wadena	24.4	17.9	76.9	78.2	55.1
Waseca	28.1	16.5	86.7	84.4	63.8
Washington	19.3	12.9	82.9	72.3	54.8
Watonwan	25.8	11.7	85.7	90.6	46.9
Wilkin	20.6	6.3	90.0	74.6	34.9
Winona	18.7	13.1	75.7	81.0	64.3
Wright	25.2	14.6	94.2	64.0	31.9
Yellow Medicine	33.9	21.2	93.8	78.0	42.4

Source: Minnesota Department of Health, Center for Health Statistics

HP2010: Healthy People 2010 Goals (U.S. Public Health Service)

Electronic Fetal Monitoring: The percentage of live births where the health provider indicated on the birth certificate that electronic fetal monitoring was performed during labor and delivery.

Ultrasound: The percentage of live births where the health provider indicated on the birth certificate that ultrasound was performed during labor and delivery.

Nativity Table 6: Fertility and Family Planning in Minnesota by State and County, 2002

	Pregnancies		Abortions			Percent of Women with Four or More Births	Percent of Women with Live Births within One Year
	Number	Rate	Number	Rate	Ratio		
State of Minnesota	81,284	73.9	12,902	11.7	0.2	4.6	3.7
Aitkin	160	64.1	13	*	0.1	6.2	1.2
Anoka	5,065	71.3	788	11.0	0.2	4.3	4.5
Becker	396	68.6	10	*	0.0	6.0	5.0
Beltrami	662	70.1	56	6.0	0.1	9.2	2.6
Benton	660	75.0	71	8.1	0.1	2.1	3.2
Big Stone	63	67.1	0	0.0	0.0	8.2	0.0
Blue Earth	785	54.6	107	7.5	0.2	4.3	3.9
Brown	310	58.8	15	*	0.1	3.1	3.4
Carlton	455	71.5	61	9.6	0.2	4.1	4.8
Carver	1,273	72.1	106	6.0	0.1	3.0	3.8
Cass	368	73.3	31	6.2	0.1	7.8	3.1
Chippewa	146	63.3	17	*	0.1	5.5	4.8
Chisago	835	82.7	77	7.7	0.1	4.6	4.0
Clay	604	47.2	17	*	0.0	4.3	2.4
Clearwater	99	62.9	**	*	**	4.3	0.0
Cook	49	54.0	9	*	0.2	7.5	4.3
Cottonwood	146	72.2	10	*	0.1	11.0	1.1
Crow Wing	813	72.6	89	7.9	0.1	3.6	2.8
Dakota	6,343	73.9	990	11.5	0.2	2.4	3.5
Dodge	306	75.6	17	*	0.1	4.2	5.4
Douglas	374	58.2	14	*	0.0	1.7	3.5
Faribault	172	63.5	11	*	0.1	3.1	7.3
Fillmore	286	72.6	18	*	0.1	8.7	6.7
Freeborn	418	70.8	40	6.8	0.1	2.7	3.8
Goodhue	613	67.6	80	8.8	0.2	4.9	5.6
Grant	70	63.5	**	*	**	0.0	2.4
Hennepin	21,433	84.5	5,216	20.5	0.3	4.8	3.9
Houston	207	52.2	15	*	0.1	3.6	8.7
Hubbard	193	57.4	8	*	0.0	4.0	1.9
Isanti	478	62.2	40	5.2	0.1	4.4	3.3
Itasca	500	61.4	33	4.1	0.1	4.1	3.8
Jackson	105	52.1	0	0.0	0.0	4.8	3.1
Kanabec	197	62.6	20	6.4	0.1	3.4	3.7
Kandiyohi	597	73.0	46	5.5	0.1	5.8	3.2
Kittson	42	52.0	**	*	**	2.5	4.0
Koochiching	145	58.2	18	*	0.1	9.5	1.3
Lac Qui Parle	74	57.9	**	*	**	8.7	2.2
Lake	118	59.6	13	*	0.1	3.8	3.2
Lake of the Woods	32	42.1	**	*	**	3.2	5.9
Le Sueur	349	66.2	32	6.1	0.1	6.0	5.2
Lincoln	66	65.7	**	*	**	4.7	4.8
Lyon	354	64.0	21	3.8	0.1	8.4	3.7
McLeod	539	73.1	32	4.4	0.1	4.4	2.2
Mahnomen	84	93.3	**	*	**	8.9	9.4
Marshall	114	65.9	**	*	**	7.2	2.9
Martin	229	62.0	19	*	0.1	5.3	4.1
Meeker	297	67.6	16	*	0.1	7.6	1.8
Mille Lacs	365	75.3	28	5.8	0.1	5.1	1.5
Morrison	418	65.3	22	3.4	0.1	6.6	2.0
Mower	605	83.4	62	8.6	0.1	5.4	4.7
Murray	106	70.8	**	*	**	2.9	1.5

	Pregnancies		Abortions			Percent of Women with Four or More Births	Percent of Women with Live Births within One Year
	Number	Rate	Number	Rate	Ratio		
State of Minnesota	81,284	73.9	12,902	11.7	0.2	4.6	3.7
Nicollet	440	60.5	51	7.0	0.1	2.6	5.0
Nobles	304	79.1	6	*	0.0	6.7	4.1
Norman	80	62.9	**	*	**	11.7	3.8
Olmsted	2,264	78.1	249	8.5	0.1	4.3	3.7
Otter Tail	599	56.7	12	*	0.0	7.0	2.2
Pennington	160	57.9	**	*	**	1.9	1.0
Pine	349	66.0	43	8.2	0.1	3.7	3.4
Pipestone	110	61.8	**	*	**	6.5	4.3
Polk	381	63.9	7	*	0.0	4.0	2.6
Pope	119	58.9	**	*	**	4.3	7.0
Ramsey	9,656	82.7	2,267	19.3	0.3	6.6	3.8
Red Lake	38	48.5	**	*	**	5.4	0.0
Redwood	235	81.9	10	*	0.0	2.2	3.8
Renville	210	68.7	15	*	0.1	3.6	1.6
Rice	817	60.2	101	7.4	0.1	3.5	3.8
Rock	134	76.0	0	0.0	0.0	2.3	0.0
Roseau	212	65.3	**	*	**	4.3	3.6
St. Louis	2,454	59.2	436	10.5	0.2	4.4	3.1
Scott	2,155	83.8	196	7.6	0.1	2.6	3.5
Sherburne	1,364	78.5	114	6.5	0.1	3.6	3.8
Sibley	206	69.1	11	*	0.1	5.7	2.3
Stearns	1,983	60.9	218	6.7	0.1	4.3	2.8
Steele	521	72.5	45	6.3	0.1	3.4	2.2
Stevens	103	42.7	6	*	0.1	3.1	0.0
Swift	127	73.5	**	*	**	3.2	3.8
Todd	313	67.1	19	*	0.1	7.9	2.8
Traverse	36	58.4	**	*	**	2.9	4.0
Wabasha	272	62.0	22	5.0	0.1	4.0	4.6
Wadena	162	66.8	**	*	**	7.7	4.9
Waseca	247	66.8	23	6.3	0.1	5.4	2.8
Washington	3,362	71.8	466	9.9	0.2	2.2	4.4
Watonwan	138	65.2	9	*	0.1	5.5	3.4
Wilkin	64	47.5	**	*	**	4.8	2.3
Winona	565	46.8	61	5.1	0.1	3.0	3.2
Wright	1,853	81.6	169	7.4	0.1	5.8	3.2
Yellow Medicine	126	64.7	8	*	0.1	5.1	1.3

Source: Minnesota Department of Health, Center for Health Statistics

*Rate not calculated for less than 20 events

**Number or ratio 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.

Abortion Ratio: Number of abortions/Number of births

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

Nativity Table 7: Minnesota Teen Birth and Pregnancy Rates by State and County, 2000-2002

	Teen Birth Rates			Teen Pregnancy Rates		
	15-17 Years	18-19 Years	15-19 Years	15-17 Years	18-19 Years	15-19 Years
MN2004	---	---	---	26.9	76.7	---
HP2010	---	---	---	43.0	---	---
State of Minnesota	14.5	48.5	28.1	20.8	68.1	39.7
Aitkin	*	75.4	32.0	*	87.3	38.2
Anoka	11.5	50.8	24.9	19.5	75.4	38.6
Becker	20.6	65.0	35.6	21.5	65.9	36.4
Beltrami	29.1	65.6	45.9	31.1	71.4	49.6
Benton	18.3	82.3	43.4	21.0	99.3	51.6
Big Stone	*	*	*	*	*	*
Blue Earth	10.0	19.0	15.7	11.6	27.2	21.4
Brown	13.9	36.1	23.2	16.8	37.4	25.4
Carlton	10.5	62.8	28.7	14.8	74.7	35.5
Carver	8.6	31.9	16.8	11.6	53.8	26.4
Cass	18.7	91.5	42.4	20.7	104.0	47.9
Chippewa	*	66.3	27.9	*	81.4	36.1
Chisago	13.1	53.5	26.6	19.6	71.7	37.0
Clay	10.3	15.1	13.3	10.9	15.8	14.0
Clearwater	*	85.3	42.1	*	85.3	43.1
Cook	*	*	*	*	*	*
Cottonwood	*	59.7	29.9	*	66.1	33.0
Crow Wing	14.9	71.2	36.3	19.8	87.6	45.5
Dakota	8.8	39.5	19.1	13.9	63.5	30.6
Dodge	*	65.4	29.3	14.3	77.4	35.6
Douglas	*	49.5	21.5	*	64.5	29.7
Faribault	*	50.6	28.2	21.2	61.7	35.3
Fillmore	*	40.0	17.9	12.5	46.2	23.7
Freeborn	24.2	72.4	40.8	29.4	91.3	50.7
Goodhue	6.2	58.4	24.2	11.8	76.4	34.0
Grant	*	*	*	*	*	*
Hennepin	19.3	57.3	34.4	30.0	94.4	55.7
Houston	*	*	10.1	*	31.2	14.0
Hubbard	23.8	67.7	39.0	24.5	73.5	41.5
Isanti	13.5	59.6	29.5	19.5	75.2	38.8
Itasca	15.1	53.4	28.9	19.1	64.3	35.4
Jackson	*	*	*	*	*	*
Kanabec	*	59.1	30.4	19.5	70.0	36.8
Kandiyohi	21.5	72.5	41.0	24.1	91.5	49.9
Kittson	*	*	*	*	*	*
Koochiching	*	47.2	27.3	*	56.6	31.6
Lac Qui Parle	*	*	*	*	*	*
Lake	*	*	22.1	*	*	28.5
Lake of the Woods	*	*	*	*	*	*
Le Sueur	13.8	52.4	27.1	15.3	61.2	31.1
Lincoln	*	*	*	*	*	*
Lyon	11.5	37.9	24.4	12.6	40.2	26.1
McLeod	12.0	78.5	33.7	16.9	90.9	41.0
Mahnomen	63.8	94.4	76.1	69.6	98.7	81.3
Marshall	*	63.5	24.8	*	63.5	24.8
Martin	*	72.0	33.0	15.2	85.5	39.8
Meeker	13.3	57.6	28.3	16.7	65.5	33.2
Mille Lacs	13.6	81.3	37.4	17.2	90.1	42.8
Morrison	13.4	69.1	32.0	14.6	79.3	36.2
Mower	23.1	76.0	42.4	29.8	91.0	52.1
Murray	*	*	24.7	*	*	25.6

	Teen Birth Rates			Teen Pregnancy Rates		
	15-17 Years	18-19 Years	15-19 Years	15-17 Years	18-19 Years	15-19 Years
MN2004	---	---	---	26.9	76.7	---
HP2010	---	---	---	43.0	---	---
State of Minnesota	14.5	48.5	28.1	20.8	68.1	39.7
Nicollet	10.0	22.1	16.8	14.2	25.5	20.5
Nobles	22.6	77.8	42.3	23.2	80.1	43.5
Norman	*	*	*	*	*	*
Olmsted	9.5	53.4	25.0	16.0	75.0	36.8
Otter Tail	9.7	53.0	25.2	10.1	54.2	26.0
Pennington	*	56.5	29.0	*	56.5	29.6
Pine	15.4	93.5	41.1	18.4	117.9	51.1
Pipestone	*	53.9	23.8	*	56.2	25.5
Polk	15.3	59.1	32.9	15.7	61.7	34.2
Pope	*	*	*	*	*	15.6
Ramsey	25.3	60.0	40.6	36.6	88.8	59.5
Red Lake	*	*	*	*	*	*
Redwood	*	63.1	30.7	16.7	74.8	35.6
Renville	*	66.9	27.6	*	66.9	30.1
Rice	17.5	22.4	20.3	21.7	28.3	25.5
Rock	*	71.8	30.3	*	71.8	30.3
Roseau	*	61.8	27.4	*	61.8	27.4
St. Louis	13.7	33.8	23.6	20.1	50.1	34.9
Scott	6.7	44.6	19.3	13.4	65.3	30.7
Sherburne	11.4	43.2	22.2	16.3	60.0	31.2
Sibley	*	66.8	29.9	*	68.5	31.1
Stearns	10.3	24.7	17.9	13.2	34.9	24.6
Steele	21.3	66.6	37.8	25.6	78.2	44.8
Stevens	*	*	*	*	*	10.7
Swift	*	55.1	29.2	*	63.4	33.9
Todd	9.5	63.4	29.0	10.5	66.8	30.8
Traverse	*	*	*	*	*	*
Wabasha	*	56.6	23.6	14.5	77.5	34.6
Wadena	*	63.7	30.5	*	69.5	33.2
Waseca	*	64.5	30.7	14.4	78.9	37.2
Washington	6.1	31.4	14.5	11.9	55.2	26.3
Watsonwan	*	92.7	42.0	*	94.8	44.2
Wilkin	*	*	26.3	*	*	28.5
Winona	11.1	18.1	15.5	13.4	23.7	19.9
Wright	8.5	50.7	22.6	13.9	64.3	30.7
Yellow Medicine	25.1	72.2	41.4	26.3	79.0	44.6

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

MN2004: Healthy Minnesotans: Public Health Improvement Goals (Fall, 1998)

HP2010: Healthy People 2010 Goals (U.S. Public Health Service)

*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, 2002

	Percent - Births to Unmarried Mothers	Percent - No Father on Birth Certificate	Percent - Mothers Smoked during Pregnancy	Percent - Maternal Education Status		
				Low	Medium	High
HP2010	---	---	1.0	---	---	---
State of Minnesota	27.5	7.9	10.5	9.8	28.0	62.3
Aitkin	34.5	5.4	25.2	9.7	34.5	55.9
Anoka	24.6	4.5	9.3	6.8	30.5	62.7
Becker	33.8	10.4	23.3	12.0	36.6	51.3
Beltrami	47.7	14.4	20.6	15.4	33.8	50.8
Benton	27.5	5.1	15.4	7.0	28.7	64.3
Big Stone	30.2	11.1	11.1	4.8	37.1	58.1
Blue Earth	27.0	5.8	13.2	7.5	21.5	71.0
Brown	27.6	6.5	19.0	9.2	34.8	56.0
Carlton	37.5	9.2	21.2	9.8	29.0	61.2
Carver	14.2	4.1	3.9	5.0	23.1	71.8
Cass	45.7	9.2	29.9	13.5	37.4	49.1
Chippewa	35.9	11.7	18.9	12.7	40.5	46.8
Chisago	19.8	4.9	12.1	4.4	29.5	66.1
Clay	27.1	11.1	15.4	8.6	22.8	68.6
Clearwater	41.5	8.5	21.7	14.1	37.0	48.9
Cook	30.0	2.5	20.0	17.5	27.5	55.0
Cottonwood	24.3	5.9	16.2	10.3	37.5	52.2
Crow Wing	28.8	6.9	23.0	7.0	31.1	61.9
Dakota	20.2	5.5	5.7	5.0	22.1	72.9
Dodge	24.4	7.0	11.2	9.5	28.9	61.6
Douglas	24.2	3.9	15.8	3.7	20.8	75.5
Faribault	32.5	6.3	16.3	5.6	34.4	60.0
Fillmore	20.9	8.2	11.2	14.6	26.0	59.3
Freeborn	38.1	9.3	11.2	16.0	30.7	53.2
Goodhue	27.5	5.1	12.8	8.0	42.7	49.3
Grant	21.2	4.5	10.6	3.0	19.7	77.3
Hennepin	29.5	10.3	5.5	12.9	24.8	62.3
Houston	23.4	22.4	14.1	2.6	23.7	73.7
Hubbard	38.6	12.0	27.5	16.7	34.4	48.9
Isanti	28.7	3.0	17.9	6.2	37.8	56.0
Itasca	37.4	5.6	16.9	8.7	37.2	54.1
Jackson	22.9	3.8	14.3	10.5	31.4	58.1
Kanabec	31.3	8.0	20.0	9.1	39.4	51.4
Kandiyohi	33.0	8.2	9.7	15.1	29.5	55.4
Kittson	26.8	2.4	15.0	7.5	30.0	62.5
Koochiching	43.3	10.2	14.0	5.7	39.8	54.5
Lac Qui Parle	21.7	0.0	7.2	4.3	33.3	62.3
Lake	27.6	4.8	19.0	11.4	19.0	69.5
Lake of the Woods	41.9	9.7	16.7	12.9	58.1	29.0
Le Sueur	25.9	6.6	11.1	13.3	32.1	54.6
Lincoln	14.1	4.7	12.5	3.1	17.2	79.7
Lyon	28.0	9.0	11.2	15.2	25.2	59.7
McLeod	25.5	5.5	10.1	9.3	39.9	50.8
Mahnomen	67.1	16.5	39.0	22.8	48.1	29.1
Marshall	20.7	7.2	12.7	10.1	33.9	56.0
Martin	36.4	4.8	20.7	12.1	34.3	53.6
Meeker	23.7	7.2	14.5	11.2	40.1	48.7
Mille Lacs	30.4	4.5	23.1	13.1	38.5	48.3

	Percent - Births to Unmarried Mothers	Percent - No Father on Birth Certificate	Percent - Mothers Smoked during Pregnancy	Percent - Maternal Education Status		
				Low	Medium	High
HP2010	---	---	1.0	---	---	---
State of Minnesota	27.5	7.9	10.5	9.8	28.0	62.3
Morrison	31.9	5.3	20.5	7.8	40.8	51.4
Mower	39.0	13.2	15.5	20.2	28.0	51.8
Murray	22.3	5.8	11.7	5.8	36.9	57.3
Nicollet	25.0	3.6	9.3	5.2	26.6	68.2
Nobles	38.3	8.1	7.7	34.6	26.8	38.6
Norman	28.2	12.8	14.1	7.9	34.2	57.9
Olmsted	23.3	6.6	7.6	7.8	25.3	66.9
Otter Tail	29.1	6.0	19.0	13.5	25.2	61.3
Pennington	37.7	8.4	19.0	7.8	40.9	51.3
Pine	37.2	7.6	26.1	16.9	36.9	46.2
Pipestone	23.1	6.5	13.1	9.3	34.3	56.5
Polk	33.4	11.0	12.8	9.2	36.2	54.6
Pope	19.1	2.6	9.6	4.3	17.4	78.3
Ramsey	36.2	14.5	9.2	13.5	32.0	54.5
Red Lake	29.7	5.4	10.8	10.8	51.4	37.8
Redwood	28.0	6.2	14.3	6.7	38.2	55.1
Renville	31.6	5.7	17.3	20.7	33.2	46.1
Rice	30.3	5.7	11.7	16.7	37.1	46.2
Rock	20.3	6.0	15.0	4.5	25.6	69.9
Roseau	26.1	3.4	17.4	9.2	37.7	53.1
St. Louis	36.5	8.3	22.4	9.0	27.5	63.5
Scott	13.3	3.5	3.4	4.4	19.4	76.2
Sherburne	17.6	3.9	10.7	4.9	30.6	64.5
Sibley	28.9	5.7	10.5	12.5	38.0	49.5
Stearns	24.6	5.6	13.9	6.2	27.8	65.9
Steele	28.7	6.4	15.1	12.8	33.3	53.8
Stevens	22.7	5.2	11.3	4.2	28.1	67.7
Swift	27.4	7.3	18.7	8.2	23.0	68.9
Todd	33.3	4.1	18.6	23.6	31.9	44.4
Traverse	29.4	2.9	23.5	2.9	23.5	73.5
Wabasha	20.1	2.8	12.9	5.7	33.5	60.8
Wadena	28.8	7.7	25.2	7.7	34.6	57.7
Waseca	28.6	6.7	17.9	10.9	29.4	59.7
Washington	16.8	4.1	7.4	2.9	20.4	76.7
Watonwan	32.8	9.4	17.2	34.1	31.7	34.1
Wilkin	20.6	3.2	15.9	12.7	20.6	66.7
Winona	27.4	11.9	10.0	4.1	32.4	63.5
Wright	17.6	4.5	12.2	5.0	30.3	64.7
Yellow Medicine	24.6	6.8	18.6	7.6	33.9	58.5

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

HP2010: Healthy People 2010 Goals (U.S. Public Health Service)

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, 2002

	Race of Mother - Percent					Ethnicity of Mother - Percent	
	White	African American	Native American	Asian	Unknown / Other	Hispanic (any race)	Not Hispanic
State of Minnesota	84.6	7.1	2.0	5.5	0.8	6.9	93.1
Aitkin	95.2	2.1	2.1	0.7	0.0	0.7	99.3
Anoka	91.0	3.8	0.9	3.9	0.4	3.0	97.0
Becker	84.2	0.3	13.8	1.3	0.5	1.6	98.4
Beltrami	61.6	0.5	35.7	1.2	1.0	0.8	99.2
Benton	96.1	1.9	0.5	1.5	0.0	1.7	98.3
Big Stone	98.4	0.0	1.6	0.0	0.0	0.0	100.0
Blue Earth	93.6	3.3	0.4	2.4	0.3	2.7	97.3
Brown	99.3	0.3	0.0	0.0	0.3	6.8	93.2
Carlton	86.7	0.0	12.2	0.5	0.5	1.0	99.0
Carver	94.3	1.4	0.3	3.1	0.9	5.9	94.1
Cass	69.4	0.0	28.8	0.6	1.2	0.6	99.4
Chippewa	94.5	0.0	3.1	1.6	0.8	11.7	88.3
Chisago	96.2	0.1	0.5	0.8	2.4	0.6	99.4
Clay	94.2	0.9	2.7	1.7	0.5	8.0	92.0
Clearwater	81.9	0.0	14.9	1.1	2.1	0.0	100.0
Cook	92.5	0.0	7.5	0.0	0.0	2.5	97.5
Cottonwood	93.4	0.0	0.7	3.7	2.2	5.2	94.8
Crow Wing	96.1	1.0	1.8	0.7	0.4	1.1	98.9
Dakota	88.8	4.7	0.4	5.4	0.8	5.5	94.5
Dodge	98.6	0.0	0.0	1.4	0.0	5.9	94.1
Douglas	99.2	0.3	0.6	0.0	0.0	0.8	99.2
Faribault	98.1	0.0	0.6	0.6	0.6	6.9	93.1
Fillmore	98.5	0.0	0.7	0.4	0.4	1.2	98.8
Freeborn	98.7	0.5	0.0	0.5	0.3	16.3	83.7
Goodhue	94.7	1.1	2.5	0.9	0.8	4.4	95.6
Grant	98.5	0.0	0.0	1.5	0.0	0.0	100.0
Hennepin	72.2	16.8	1.8	7.8	1.4	11.0	89.0
Houston	99.5	0.5	0.0	0.0	0.0	0.5	99.5
Hubbard	95.7	0.0	1.6	1.6	1.1	1.1	98.9
Isanti	96.6	0.7	1.4	0.9	0.5	2.1	97.9
Itasca	93.5	0.2	4.5	0.9	0.9	0.7	99.3
Jackson	96.2	0.0	0.0	3.8	0.0	8.6	91.4
Kanabec	97.7	0.0	1.1	0.0	1.1	0.6	99.4
Kandiyohi	97.3	1.3	0.9	0.5	0.0	18.2	81.8
Kittson	97.6	0.0	0.0	0.0	2.4	0.0	100.0
Koochiching	93.7	1.6	2.4	1.6	0.8	0.8	99.2
Lac Qui Parle	100.0	0.0	0.0	0.0	0.0	0.0	100.0
Lake	99.0	0.0	0.0	0.0	1.0	1.9	98.1
Lake of the Woods	96.8	0.0	3.2	0.0	0.0	0.0	100.0
Le Sueur	97.8	0.6	0.0	0.9	0.6	13.7	86.3
Lincoln	100.0	0.0	0.0	0.0	0.0	1.6	98.4
Lyon	86.4	7.5	0.0	3.9	2.1	11.8	88.2
McLeod	97.6	1.0	0.0	1.0	0.4	11.1	88.9
Mahnomen	39.2	0.0	60.8	0.0	0.0	1.3	98.7
Marshall	95.5	0.0	0.9	2.7	0.9	13.0	87.0
Martin	96.2	0.5	0.5	2.4	0.5	6.7	93.3
Meeker	97.1	0.4	0.4	0.4	1.8	9.1	90.9
Mille Lacs	90.1	0.3	9.3	0.3	0.0	0.9	99.1
Morrison	98.2	1.0	0.0	0.8	0.0	0.3	99.7
Mower	91.5	3.2	0.6	3.2	1.7	16.6	83.4
Murray	97.1	1.0	1.0	1.0	0.0	2.9	97.1
Nicollet	96.1	1.5	0.8	1.3	0.3	3.6	96.4

	Race of Mother - Percent					Ethnicity of Mother - Percent	
	White	African American	Native American	Asian	Unknown / Other	Hispanic (any race)	Not Hispanic
State of Minnesota	84.6	7.1	2.0	5.5	0.8	6.9	93.1
Nobles	77.2	3.4	0.3	7.0	12.1	34.2	65.8
Norman	93.6	0.0	3.8	0.0	2.6	7.1	92.9
Olmsted	85.1	6.9	0.4	7.3	0.2	4.8	95.2
Otter Tail	97.4	1.0	0.7	0.7	0.2	3.4	96.6
Pennington	96.8	0.0	3.2	0.0	0.0	3.9	96.1
Pine	94.4	0.3	4.3	0.3	0.7	1.4	98.6
Pipestone	96.3	1.9	0.9	0.9	0.0	0.0	100.0
Polk	92.2	0.8	4.3	0.8	1.9	12.5	87.5
Pope	99.1	0.0	0.9	0.0	0.0	0.9	99.1
Ramsey	65.7	15.3	1.5	16.6	0.9	10.5	89.5
Red Lake	100.0	0.0	0.0	0.0	0.0	2.7	97.3
Redwood	91.1	0.0	7.1	1.8	0.0	2.7	97.3
Renville	97.4	0.0	2.1	0.5	0.0	16.6	83.4
Rice	96.2	1.1	0.6	1.7	0.4	17.2	82.8
Rock	97.7	0.0	1.5	0.8	0.0	1.5	98.5
Roseau	93.7	0.5	1.4	4.3	0.0	1.0	99.0
St. Louis	92.4	1.6	4.2	1.3	0.4	1.1	98.9
Scott	91.0	1.6	1.0	5.8	0.6	5.2	94.8
Sherburne	96.9	0.6	0.6	1.4	0.4	1.5	98.5
Sibley	99.0	0.0	1.0	0.0	0.0	14.0	86.0
Stearns	94.3	2.8	0.5	2.2	0.2	3.7	96.3
Steele	96.0	2.3	0.0	1.3	0.4	9.2	90.8
Stevens	89.7	2.1	6.2	1.0	1.0	1.0	99.0
Swift	100.0	0.0	0.0	0.0	0.0	4.8	95.2
Todd	98.6	0.0	0.3	0.7	0.3	13.8	86.2
Traverse	76.5	0.0	17.6	5.9	0.0	0.0	100.0
Wabasha	99.2	0.0	0.0	0.8	0.0	2.8	97.2
Wadena	99.4	0.6	0.0	0.0	0.0	0.6	99.4
Waseca	92.4	5.4	0.4	1.8	0.0	5.4	94.6
Washington	90.7	2.7	0.6	5.6	0.4	2.7	97.3
Watsonwan	96.1	0.0	0.8	0.8	2.3	42.1	57.9
Wilkin	98.4	0.0	1.6	0.0	0.0	3.2	96.8
Winona	96.0	0.4	0.4	2.8	0.4	2.2	97.8
Wright	97.4	0.3	0.3	1.4	0.7	1.6	98.4
Yellow Medicine	94.9	0.0	5.1	0.0	0.0	7.6	92.4

Source: Minnesota Department of Health, Center for Health Statistics