

Maternal and Child Health Status



A Summary of the Title V Needs Assessment
for the Maternal and Child Health Population
North Dakota 2002

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Introduction

The Maternal and Child Health Services Title V Block Grant program provides federal funding to the North Dakota Department of Health's Division of Maternal and Child Health (MCH) and the North Dakota Department of Human Services' Children's Special Health Services (CSHS) Division.

The maternal and child health population consists of five groups: (1) infants birth to age 1; (2) children ages 1 through 9; (3) adolescents ages 10 through 19; and (4) women of childbearing age (ages 20 through 44). The MCH population also includes children with special health care needs from birth to age 21.

One of the requirements for the MCH Block Grant application is an annual statewide needs assessment of the maternal and child health population. The needs assessment process involves the collection of information about the health status of, health care utilization by, and health care access for the maternal and child health population.

The purpose of the needs assessment is to document unmet needs and gaps in services and to identify priorities. The identification and selection of priority needs helps MCH and CSHS plan programs and services designed to improve the health of mothers, infants, children – including children with special health care needs – and adolescents.

This document is a summary of much of the data collected for the Title V needs assessment. It is hoped that this information will be helpful to partners – such as local public health units, Regional and Tribal Children's Services Coordinating committees, and county social service agencies – in conducting local needs assessments and in planning programs and services at the community level.



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Demographics



Demographics

Population

The population of North Dakota, including the maternal and child health population, is declining. During the 10-year period between 1990 and 2000, the number of infants, children and women of childbearing age decreased in the state, mainly because of outmigration and decreasing numbers of births. At the same time, the number of adolescents increased slightly. (Chart 1)

Although most people in North Dakota are white, the state is becoming more racially and ethnically diverse. The same is true for the maternal and child health population. In 2000, about 92 percent of the state's overall population was white, down from nearly 95 percent in 1990. The percentage of the state's population that is Native American or another minority increased from about 5 percent in 1990 to more than 7 percent in 2000. (Chart 2)

Chart 1: Maternal and Child Health Population

Population	1990	2000	Change
Infants	9,725	7,660	-21.2%
Children	90,652	74,722	-17.6%
Adolescents	95,743	101,082	+ 5.6%
Women*	117,435	109,516	-6.7%

*Ages 20 to 44

Source: U.S. Census Bureau

Chart 2: North Dakota Population by Race

Race	1990	2000	Change
White	94.8%	92.4%	-2.5%
Native American	4.1%	4.9%	+19.5%
Other minorities	1.1%	2.7%	+145.5%

Source: U.S. Census Bureau

The percentage of North Dakota children ages birth through 19 who are white decreased from about 91 percent in 1990 to about 88 percent in 2000. At the same time, the percentage of children who are Native American or another racial minority increased. (Chart 3)

The percentage of North Dakota women ages 20 through 44 who are white decreased from nearly 94 percent in 1990 to about 92 percent in 2000. (Chart 4)

Chart 3: North Dakota Children by Race

Race	1990	2000	Change
White	91.1%	87.6%	-3.8%
Native American	6.4%	8.0%	+25.0%
Other minorities	2.5%	4.4%	+76.0%

Source: U.S. Census Bureau

Chart 4: North Dakota Women by Race

Race	1990	2000	Change
White	93.6%	91.6%	-2.1%
Native American	4.2%	5.4%	+28.6%
Other minorities	2.1%	3.0%	+42.9%

Source: U.S. Census Bureau

The number of children and women by age and race is found in Tables 1 and 2. The population of children and women by North Dakota county are detailed in Tables 3 and 4.

The actual number of North Dakota children with special health care needs is unknown. However, national prevalence estimates and population-based surveys in other states consistently indicate that about 17 percent of all children have special health care needs. Based upon the number of children in North Dakota, it is estimated that between 29,000 and 33,000 children in the state have special health needs. The number of children served directly by the Department of Human Services, Children’s Special Health Services Unit, increased from 1,523 in FY 1993 to 1,799 in FY 1999 but declined the past two years.

Poverty Status

The percentage of North Dakota people in poverty is less than the national percentage. In North Dakota, however, the percentage has remained relatively stable while nationally the percentage is declining. (Chart 5)

The percentage of North Dakota children in poverty is less than the national percentage but has remained stable compared to a declining national trend. (Chart 6)
Poverty-level estimates for children by North Dakota county can be found in Tables 5 and 6.

Chart 5: Percentage of People in Poverty

Year	North Dakota	United States
1993	12.5%	15.1%
1995	11.9%	13.8%
1996	11.5%	13.7%
1997	12.5%	13.3%
2000	12.3%	12.5%

Source: U.S. Census Bureau

Chart 6: Percentage of Children Younger Than 18 in Poverty

Year	North Dakota	United States
1993	16.2%	22.7%
1995	15.9%	20.8%
1996	15.0%	20.5%
1997	16.8%	19.9%
2000	15.2%	16.2%

Source: U.S. Census Bureau

Income

Median household income in North Dakota is increasing but is substantially lower than median household income in the United States. In fact, median income in North Dakota is about 86 percent of median income in the United States overall. (Chart 7)
Median household income by North Dakota county can be found in Table 7.

Chart 7: Median Household Income

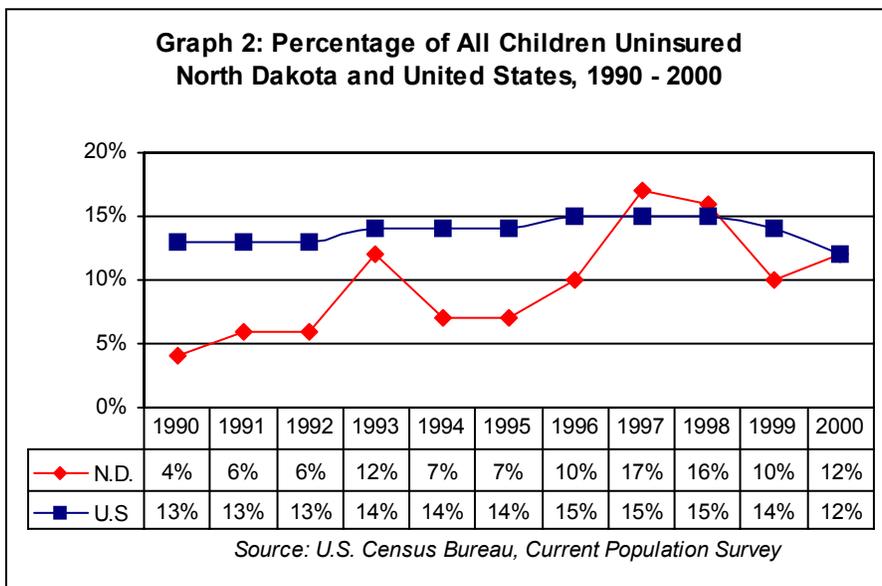
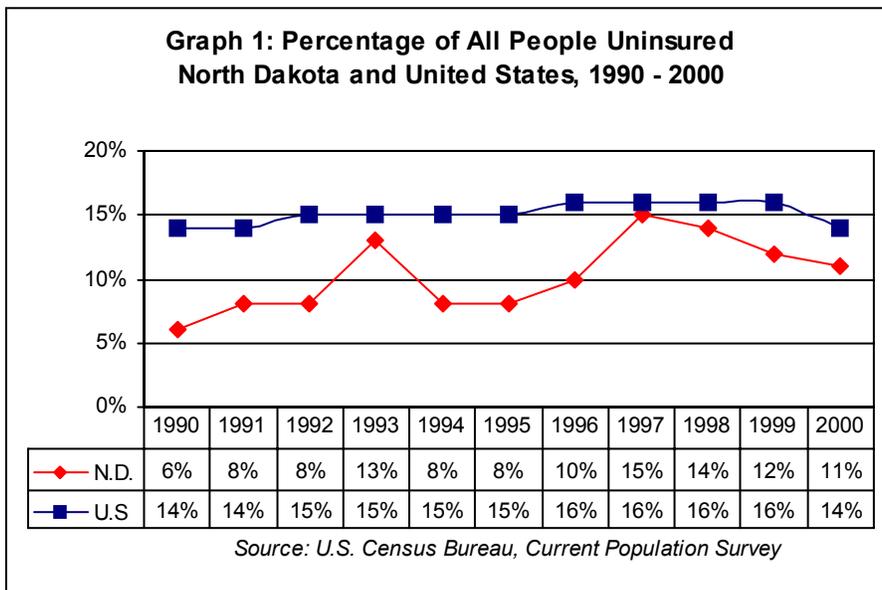
Year	North Dakota	United States
1993	\$27,329	\$31,241
1995	\$29,321	\$34,076
1996	\$30,798	\$35,492
1997	\$31,764	\$37,005
2000	\$34,456	\$41,349

Source: U.S. Census Bureau

Health Insurance Coverage Status

The exact number of uninsured women, infants and children in the state is unknown. The 1998 Robert Wood Johnson Family Foundation (RWJFF) Survey indicated that about 8.3 percent of North Dakota children were uninsured. That same year, an American Academy of Pediatrics publication estimated that about 11 percent of North Dakota children were uninsured.

The Current Population Survey (CPS), conducted by the U.S. Census Bureau, provides estimates of insurance coverage by state. According to the CPS, a lower percentage of all people in North Dakota are uninsured than in the United States overall. In 2000, about 12 percent of children nationally and in North Dakota were uninsured. (Graphs 1 and 2)



Uninsurance rates from the CPS are significantly higher than the RWJFF survey, partly due to differences in the definition of insurance coverage, particularly the consideration of Indian Health Service (IHS) as an insurance coverage. IHS was considered health care coverage in the RWJFF survey, but not in the CPS. The CPS is considered by the state Title V program to be a more accurate representation of the percentage of uninsured children in North Dakota.

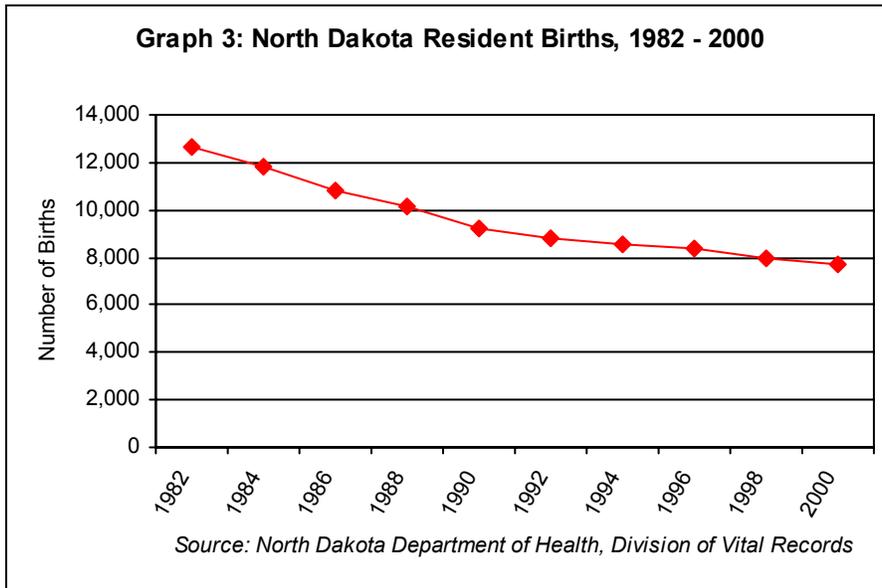
Title V Population Groups



Infant Population

Births

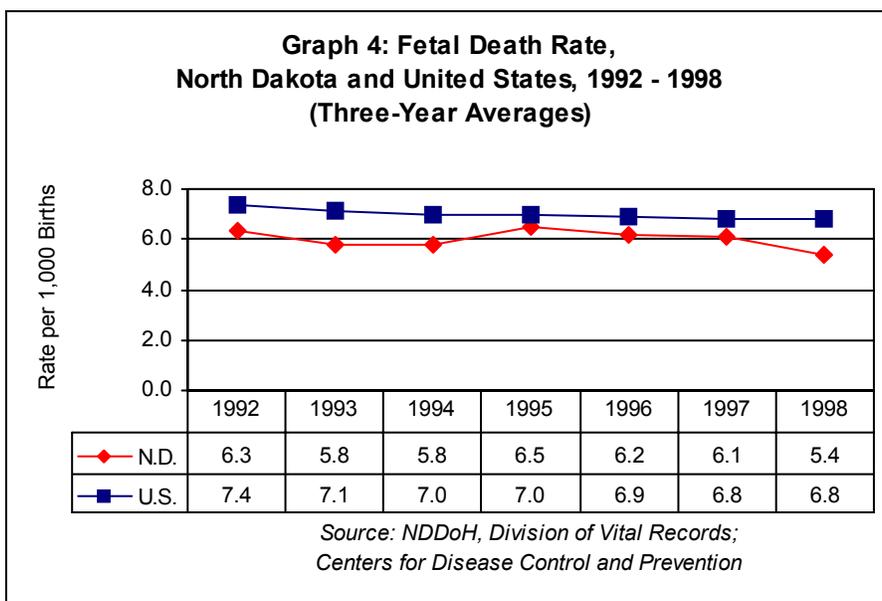
The number of resident births in North Dakota has declined steadily during the last two decades, decreasing from 12,655 births in 1982 to fewer than 8,000 in 2000. (Graph 3) North Dakota live births and birth rates by county for 1990 through 2000 can be found in Tables 8 and 9.



Mortality

Fetal Deaths

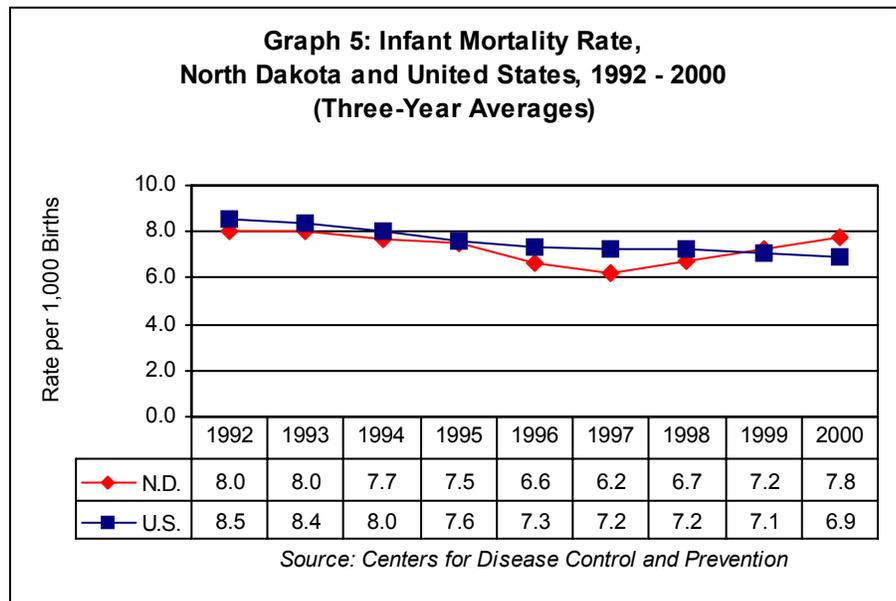
Fetal deaths are defined as those deaths at 20 or more weeks gestation. The state fetal mortality rate is lower than the national rate. (Graph 4)



North Dakota fetal deaths and fetal death rates by county for 1990 through 2000 can be found in Tables 10 and 11.

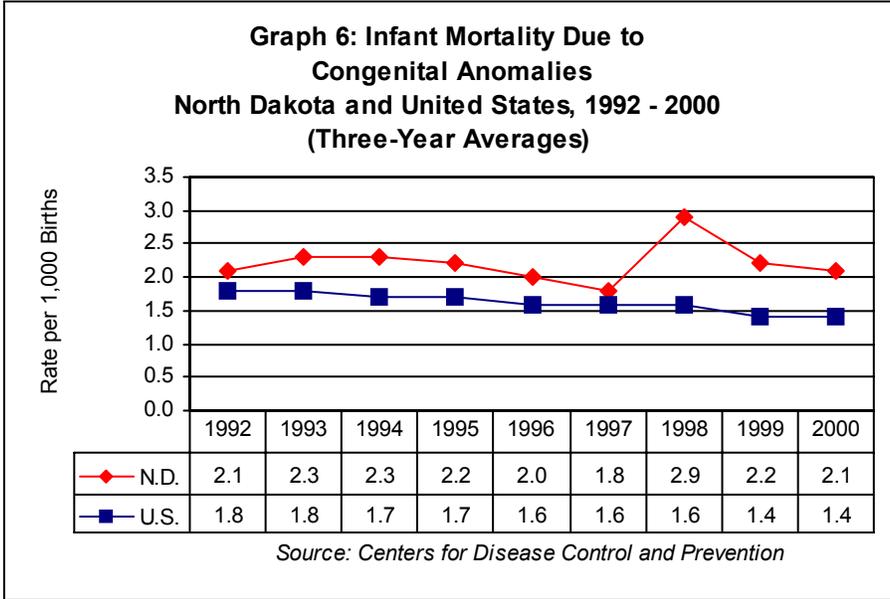
Infant Mortality

The infant mortality rate is one of the most common indicators of infant health status. Because of the small number of births and infant deaths in North Dakota, three-year averages were used to determine the state rates. North Dakota's infant mortality rate showed a declining trend until beginning an increase in 1998. (Graph 5) Infant deaths and infant death rates by county in North Dakota for 1990 through 2000 can be found in Tables 12 and 13.

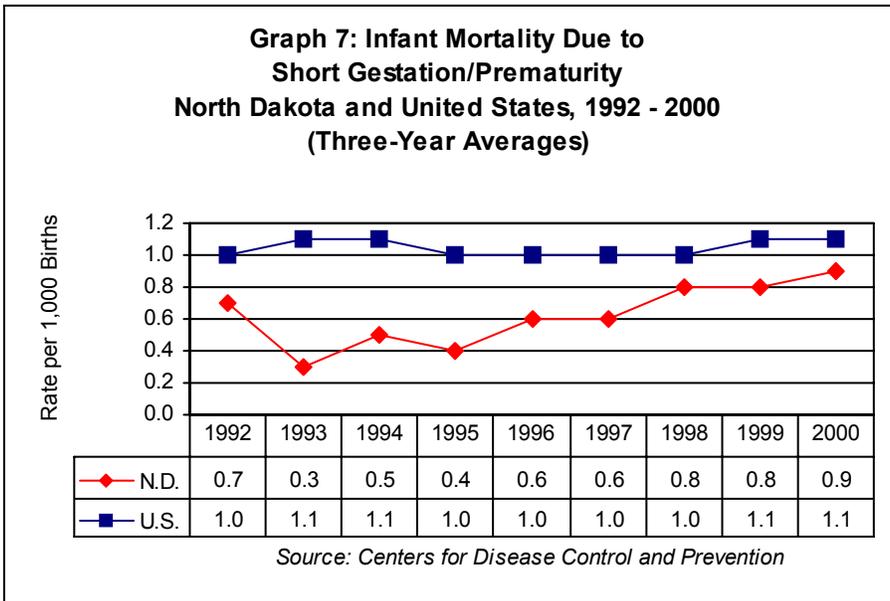


Historically, the three leading causes of infant mortality both nationally and in North Dakota are congenital anomalies (birth defects), short gestation or prematurity, and sudden infant death syndrome (SIDS). Again, because of the small number of events in North Dakota, three-year averages were used to compare the rates for these causes of infant mortality in North Dakota and the United States from 1990 through 1998.

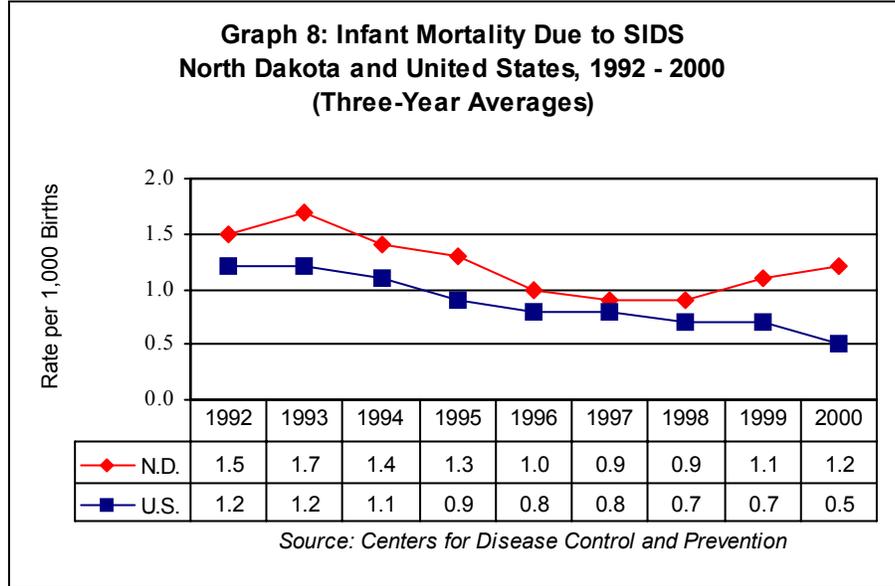
North Dakota's infant mortality rate due to congenital anomalies showed a flat trend until a substantial increase in 1998. The state rate consistently has been higher than the national rate. (The rate of births with congenital anomalies also is higher for North Dakota than for the United States overall.) It is unknown if North Dakota infants have a higher incidence of births with congenital anomalies and subsequent deaths or if this is a result of better identification and reporting in North Dakota than in other states. (Graph 6)



Although lower than the national rate, the state’s infant mortality rate due to short gestation or prematurity shows an increasing trend. (Graph 7)



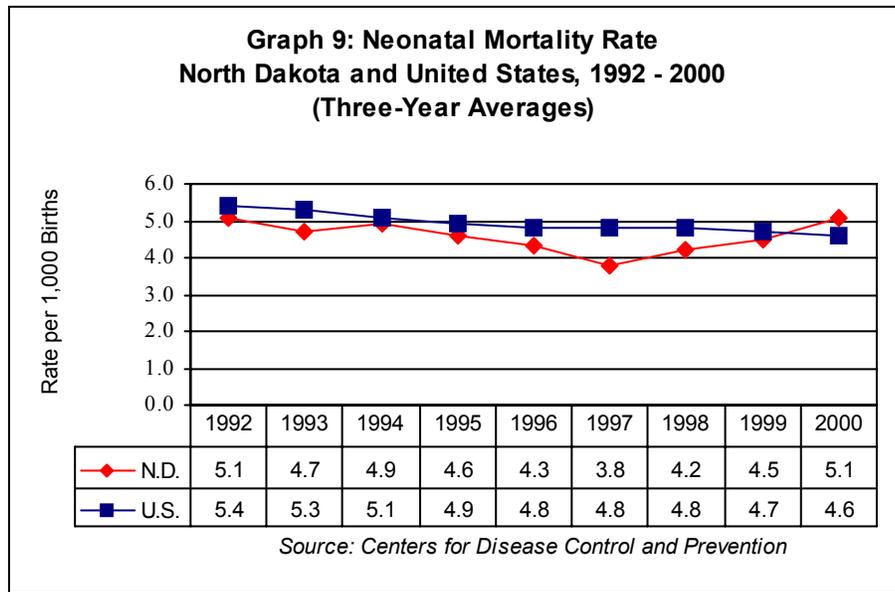
The North Dakota infant mortality rate due to SIDS showed a declining trend until an increase beginning in 1999; North Dakota’s rate has consistently been higher than national rates. (Graph 8) It is unknown if the state has a higher rate of SIDS or if this is due to better diagnosis of SIDS death in North Dakota than in other states



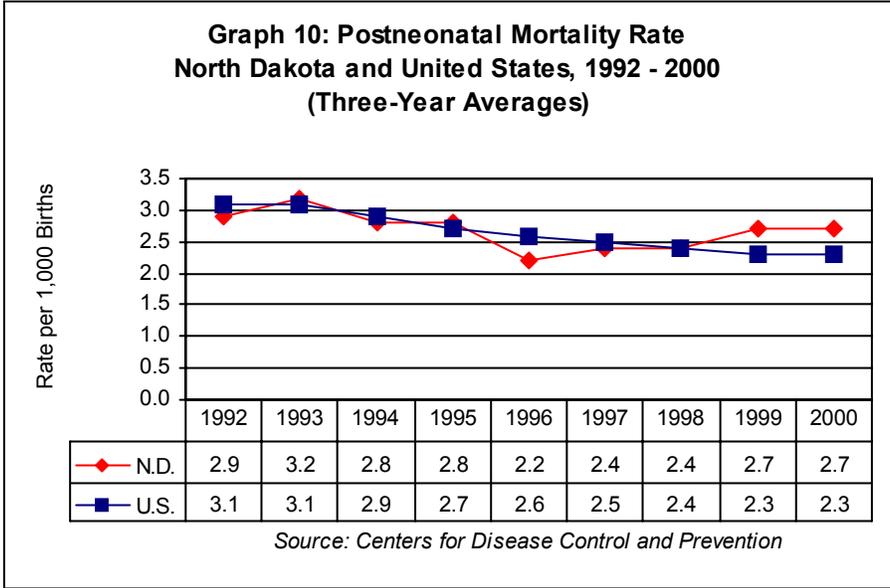
Neonatal and Postneonatal Deaths

Two other infant mortality indicators are neonatal death rates and postneonatal death rates. Neonatal deaths are deaths to infants younger than 28 days of age. Postneonatal deaths are deaths to infants between 28 and 364 days of age.

North Dakota's neonatal mortality rate declined from 1992 to 1997 but has increased since and is now higher than the national rate. (Graph 9)



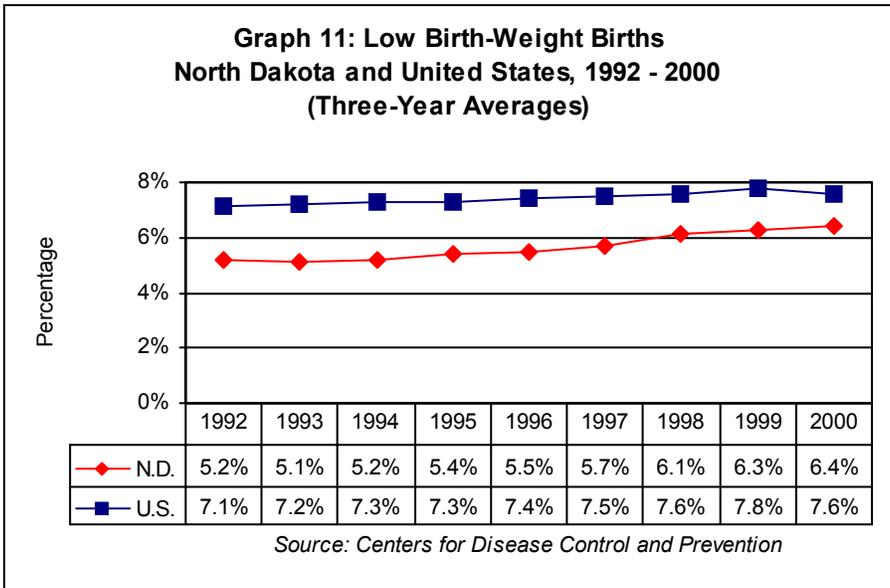
The state's postneonatal mortality rate is slightly higher than the national rate. (Graph 10) The number of neonatal deaths and rates by North Dakota county for 1989 through 1998 can be found in Tables 14 and 15.



Birth Weight

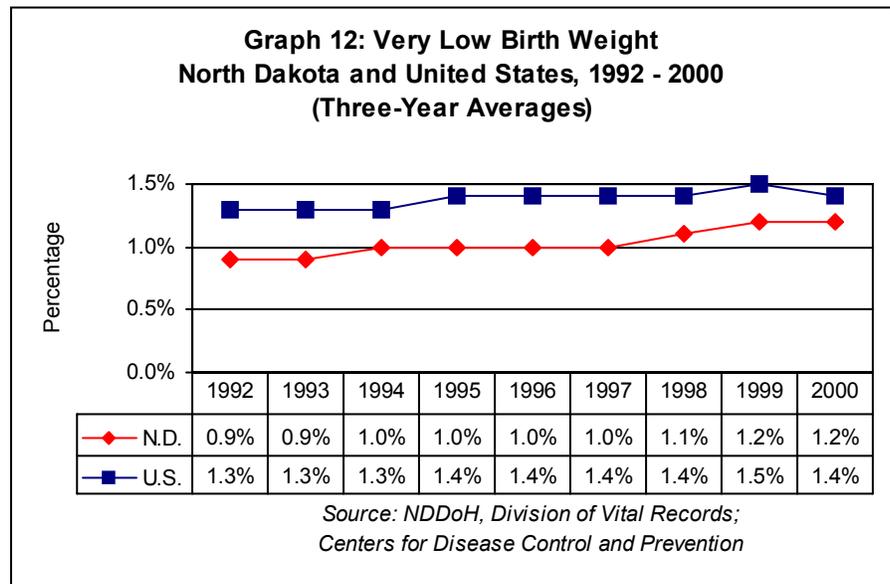
Low Birth Weight

Low birth weight is defined as live births weighing less than 2,500 grams or 5 pounds, 8 ounces. The percentage of low birth-weight births increased slightly from 1992 to 2000 in both North Dakota and the United States. However, the state rate continues to be more than one percentage point below the national rate. Because of the small number of events in North Dakota, three-year averages were used for state rates. (Graph 11)



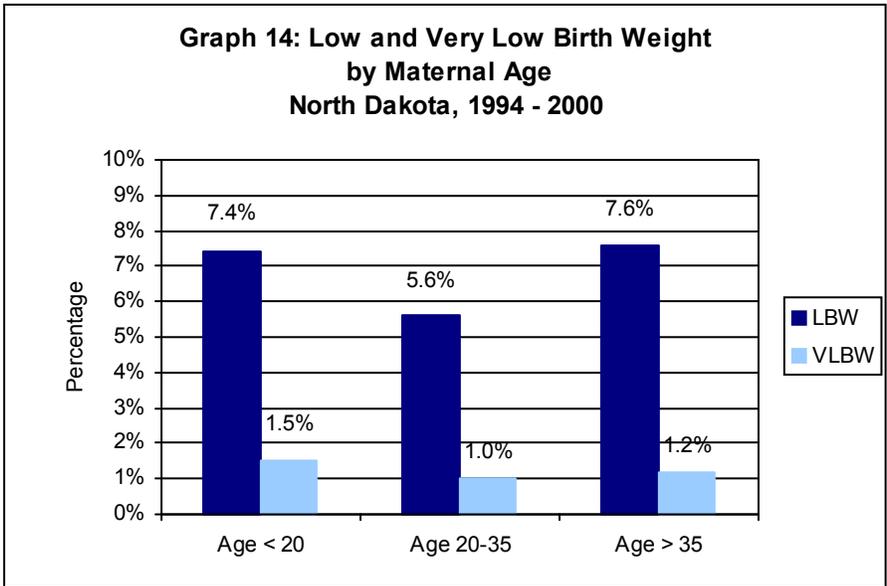
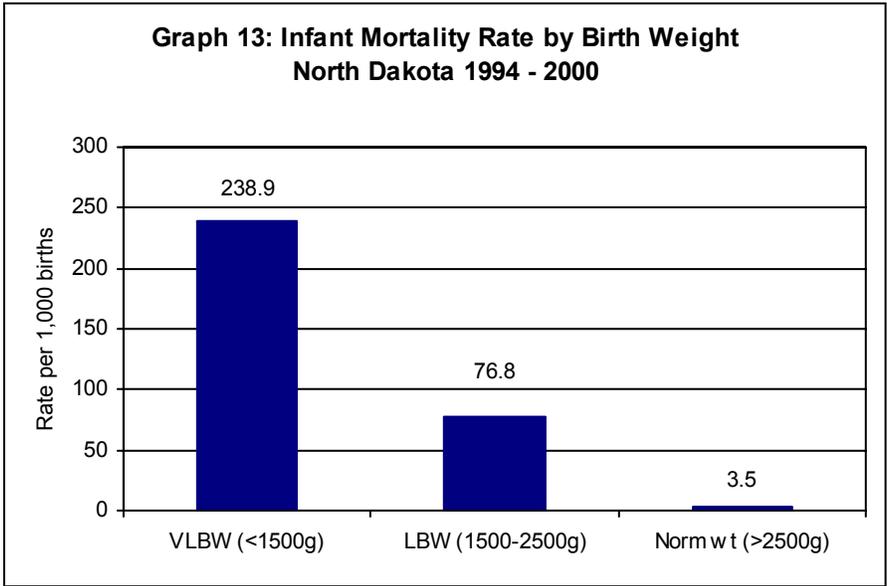
Very Low Birth Weight

Very low birth weight is defined as live births weighing less than 1,500 grams, or 3 pounds, 4 ounces. The percentage of very low birth-weight births in North Dakota and the United States has increased slightly since 1992; however, the state rate remains lower than the national rate. Three-year averages were used for state rates. (Graph 12)



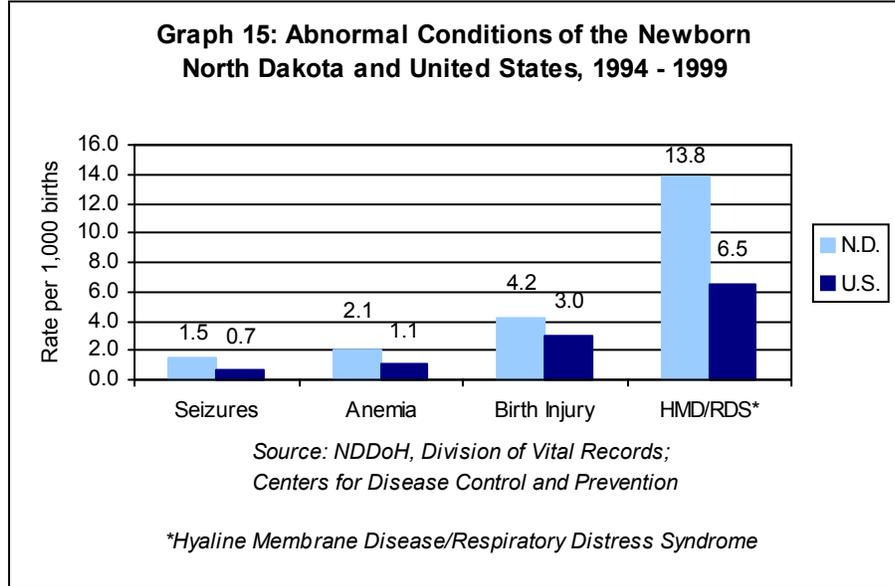
Characteristics of low birth-weight and very low birth-weight infants:

- Very low birth-weight infants are nearly 100 times more likely to die during their first year of life than normal birth-weight infants. (Graph 13)
- Babies born to women younger than 20 or older than 35 were more likely to be born at low or very low birth weights than babies born to mothers ages 20 through 35. (Graph 14)
- Low birth-weight or very low birth-weight infants were slightly less likely to be born to mothers who received prenatal care beginning in the first trimester than were normal birth-weight infants.



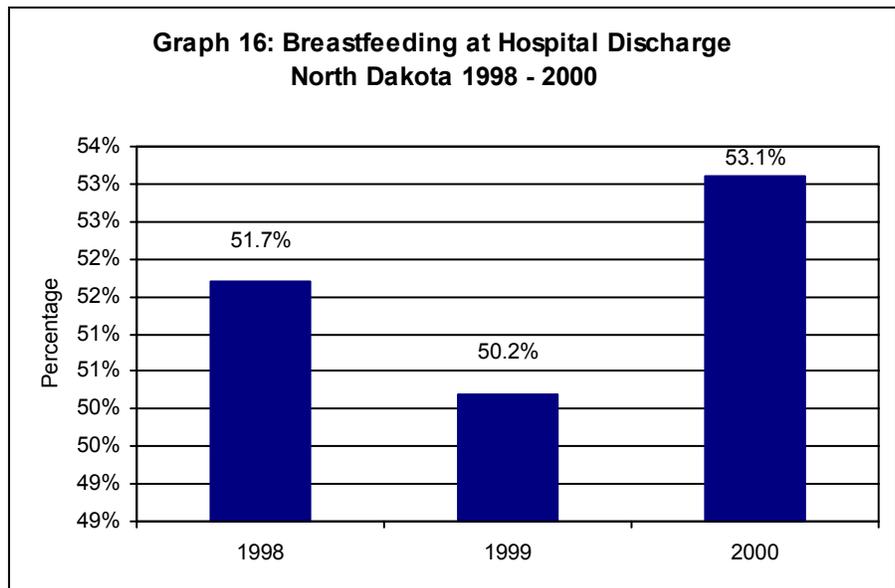
Abnormal Conditions

Between 1994 and 1999, infants in North Dakota had a higher rate of seizures, anemia, birth injury and hyaline membrane disease/respiratory distress syndrome than did infants nationally. (Graph 15)



Breastfeeding

Between 1998 and 2000, more than one-half of North Dakota mothers were breastfeeding their infants upon discharge from the hospital. (Graph 16) Breastfeeding rates by county in North Dakota can be found in Table 16.



Newborn Metabolic Screening

Newborns are screened shortly after birth for a number of metabolic disorders, including phenylketonuria (PKU) and galactosemia. All occurant births – births to North Dakota residents and nonresidents born in North Dakota hospitals – are screened. Since 1993, the number of screenings has exceeded the number of occurant births.

Child Population

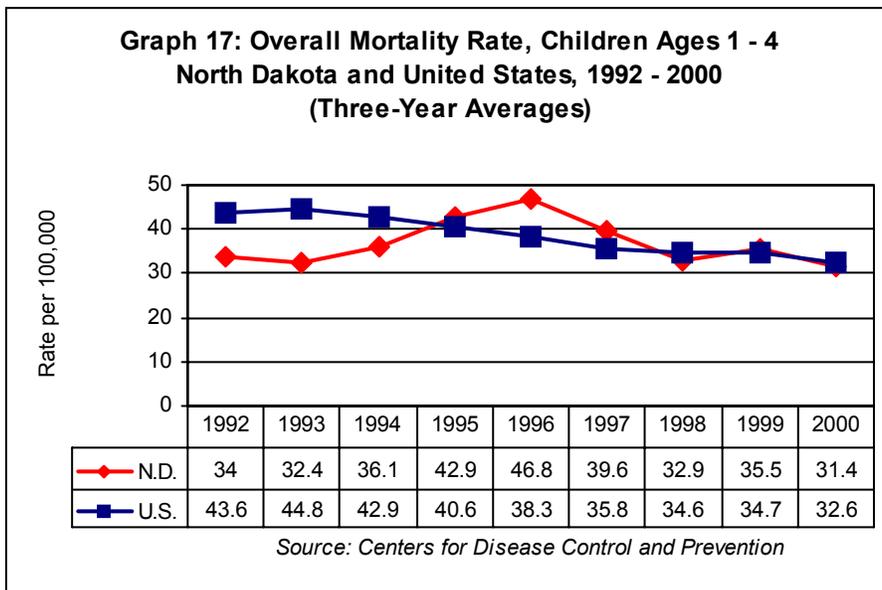
The child population is defined as children between the ages of 1 and 9. Mortality data for children are divided into two age categories: children ages 1 through 4 and children ages 5 through 9.

Child Mortality

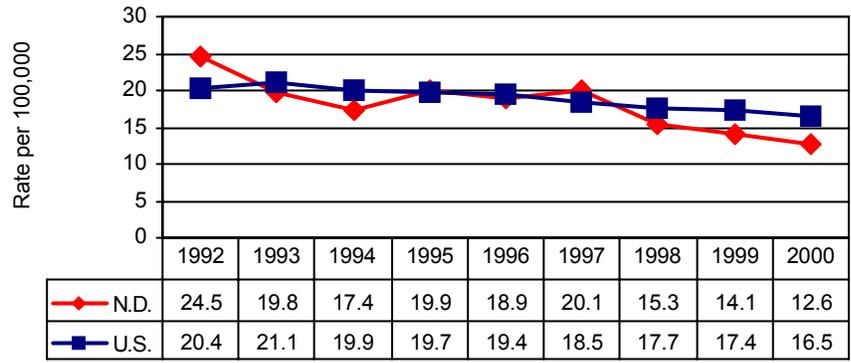
Death rates per 100,000 North Dakota children ages 1 through 4 and 5 through 9 from all causes, from unintentional injuries, and from motor vehicle accidents were compared to United States rates from 1992 through 2000. Because of small numbers, the North Dakota deaths and rates were averaged over three years. Child and adolescent death rates by county can be found in Table 17.

Overall Mortality

Deaths from all causes to North Dakota children ages 1 through 4 showed an upward trend until 1996, but have declined since. As of 1998, the mortality rate for this group in North Dakota is slightly less than the rate for all children in the United States. (Graph 17) The overall mortality rate for North Dakota children age 5 through 9 has shown a slight declining trend and is similar to the national trend. (Graph 18) Deaths of children by county can be found in Table 18.



**Graph 18: Overall Mortality Rate, Children Ages 5 - 9
North Dakota and United States, 1992 - 2000
(Three-Year Averages)**



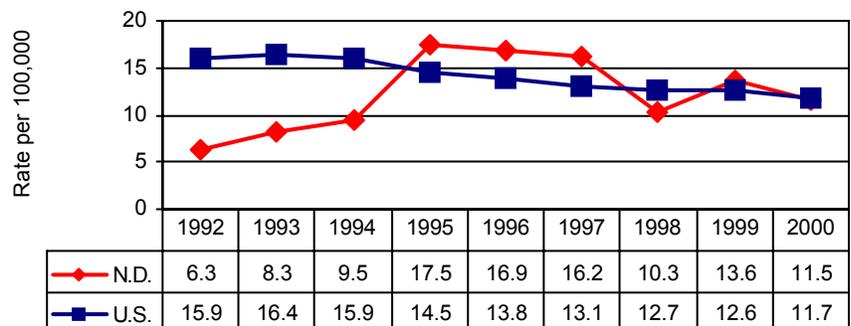
Source: Centers for Disease Control and Prevention

The two leading causes of mortality in children ages 1 through 9 in both North Dakota and the United States are unintentional injuries and motor vehicle crashes.

Unintentional Injuries

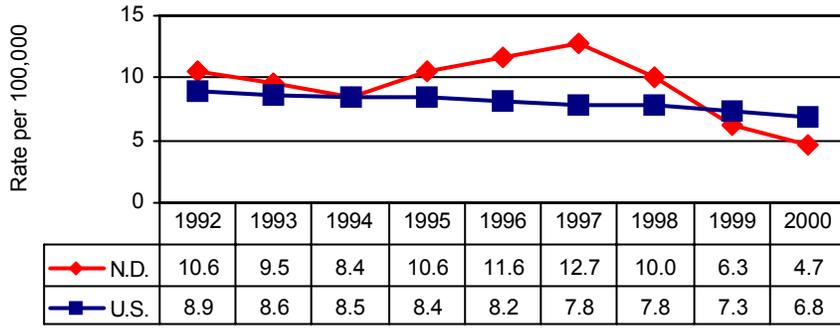
The death rate due to unintentional injuries for North Dakota children ages 1 through 4 declined beginning in 1995 and is now slightly lower than the national rate. (Graph 19) The state child death rate due to unintentional injuries for children ages 5 through 9 increased until 1997, declined since 1998, and was lower than the national rate in 2000. (Graph 20) Deaths by county of children ages 1 through 9 due to unintentional injury can be found in Table 19.

**Graph 19: Unintentional Injury Morality Rate
Children Ages 1 - 4
North Dakota and United States, 1992 - 2000
(Three-Year Averages)**



Source: Centers for Disease Control and Prevention

**Graph 20: Unintentional Injury Mortality Rate,
Children Ages 5 - 9
North Dakota and United States, 1992 - 2000
(Three-Year Averages)**

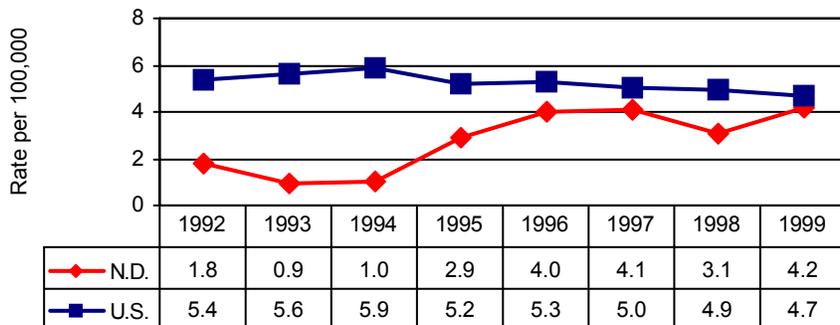


Source: Centers for Disease Control and Prevention

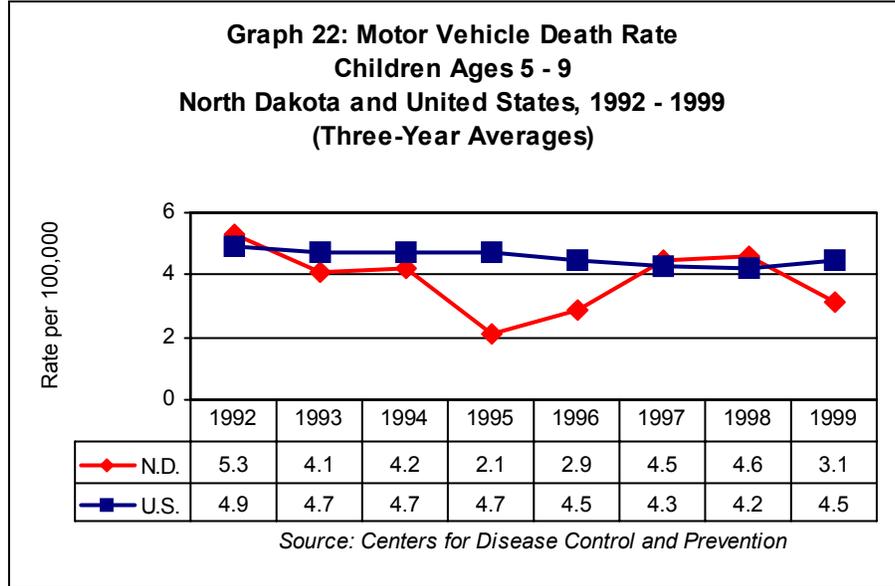
Motor Vehicle Crashes

The motor vehicle mortality rate for North Dakota children ages 1 through 4 has increased since 1993 but remains lower than the national rate. (Graph 21) The death rate for North Dakota children ages 5 through 9 also has increased since 1995. (Graph 22) Deaths by county of children ages 1 through 9 due to motor vehicle fatalities can be found in Table 20.

**Graph 21: Motor Vehicle Death Rate
Children Ages 1 - 4
North Dakota and United States, 1992 - 1999
(Three-Year Averages)**



Source: Centers for Disease Control and Prevention



Participation in Programs and Services

The percentage of North Dakota children who received food stamps, who participated in the free and reduced school-lunch program and the WIC program, and who were enrolled in Medicaid remained relatively constant from 1995 through 1999. (Chart 8)

Chart 8: Percentage of Children Enrolled in Programs and Services

Program/Service	1995	1996	1997	1998	1999
Food stamps	18.2%	17.5%	17.0%	17.1%	17.4%
School lunch	28.3%	28.6%	29.0%	28.2%	29.1%
WIC	16.3%	16.2%	17.0%	18.2%	16.7%
Medicaid	17.4%	17.4%	17.2%	17.5%	17.5%

Source: Kids Count

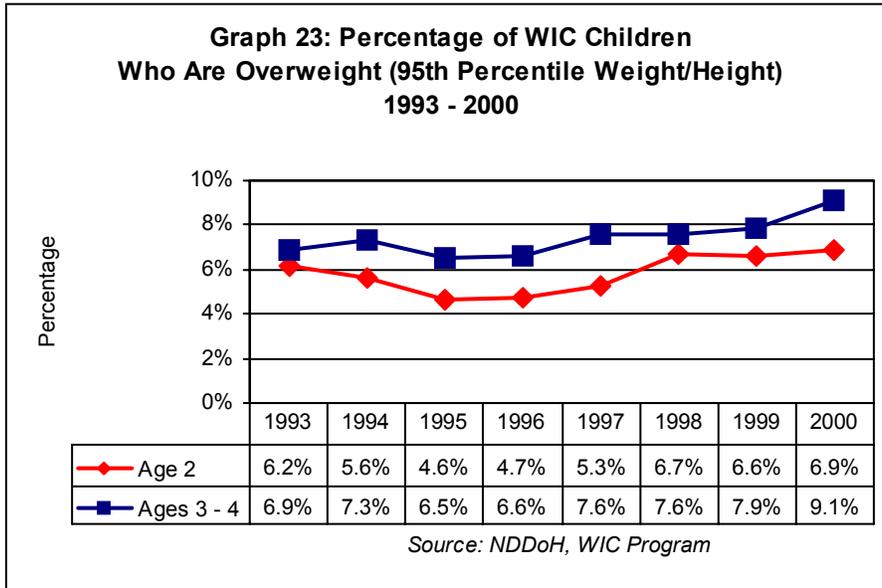
The percentage of North Dakota children by county who received food stamps from 1995 through 1999 is found in Table 21. County data for the percentage of North Dakota children who participated in the free and reduced-price school-lunch program from 1995 through 1999 is found in Table 22. North Dakota children by county who participated in WIC from 1995 through 2000 is found in Table 23, and Medicaid enrollment by county for 1994 through 1999 is in Table 24.

Child Abuse and Neglect

The percentage of North Dakota children who were victims of child abuse and neglect increased from 4 percent in 1996 to 4.4 percent in 1999. Table 25 shows the total number and percentage of child abuse and neglect victims by county in North Dakota for 1996 through 1999.

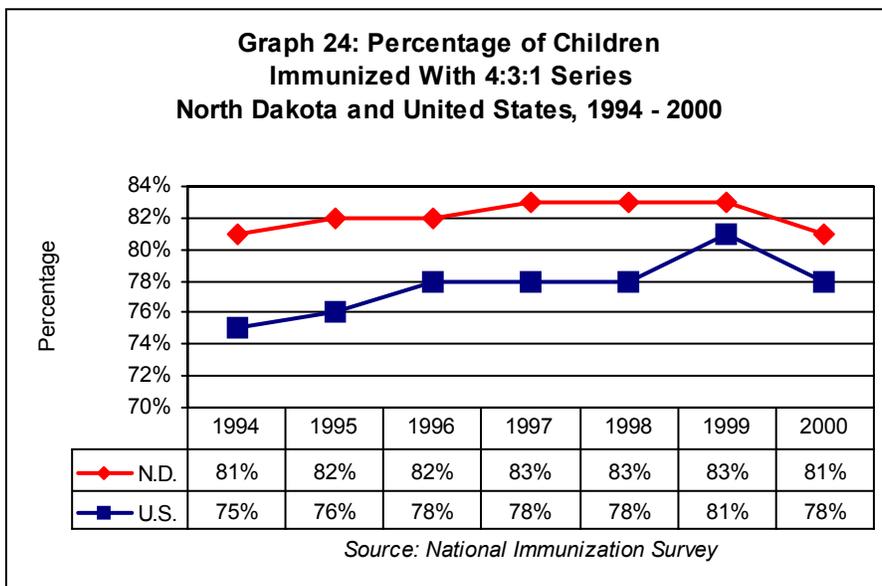
Weight and Nutrition

The percentage of children enrolled in the WIC program who are overweight – measured as being above the 95th percentile in weight for height – has increased in the past five years after a previous decline. (Graph 23)



Immunization

The percentage of North Dakota children ages 19 to 35 months immunized with the 4:3:1 series (four doses of diphtheria/tetanus/pertussis [DTP/DT], three doses of poliovirus vaccine and one dose of measles-containing vaccination [MCV]) decreased to 81 percent in 2000. This percentage is still above the national rate. (Graph 24)



Children With Special Health Care Needs

Children with special health care needs are children who have chronic physical, developmental or behavioral conditions. About 17 percent of North Dakota children (more than 30,000) have a special health care need.

Prevalence of Chronic Conditions

The number of North Dakota children who have chronic health conditions is unknown. Prevalence estimates are based upon a number of sources, including national prevalence estimates from the National Health Interview Survey on Disability and the March of Dimes, as well as the incidence of congenital anomalies as reported on North Dakota birth certificates.

National Health Interview Survey on Disability

The National Health Interview Survey on Disability from 1999 was conducted by the National Center for Health Statistics at the Centers for Disease Control and Prevention. Results from this national household-based telephone survey were used to calculate the number of children with certain chronic health conditions and the rate per 1,000 children for the United States overall. The national rate per 1,000 is multiplied by the North Dakota child population to calculate state-based estimates of chronic health conditions. (Chart 9)

Chart 9: Prevalence Rate and Estimated Number of Children With Selected Chronic Conditions in North Dakota

Condition	Rate/1,000	N.D. Estimate
Asthma	110.4	17,758
Hearing impairment*	29.3	4,713
Vision impairment**	21.7	3,490
Cerebral Palsy	4.8	772
Congenital heart disease	2.2	354
Diabetes	1.4	225
Muscular Dystrophy	0.5	80
Cystic fibrosis	0.1	16

**Hearing without aids: a little difficulty, a lot of difficulty or deaf*

***Trouble seeing with glasses/contacts*

Source: 1999 National Health Interview Survey on Disability, National Center for Health Statistics

March of Dimes

The following chart, which shows state estimates based upon national incidence rates for other chronic health conditions, was developed using state and national estimates from the March of Dimes. (Chart 10)

Chart 10: Estimated Incidence Rate and Number of Children With Chronic Conditions in North Dakota

Condition	Rate of Occurrence*	Occurrences Per Year*
Structural/Metabolic		
Heart and circulation	1 in 115 births	67
Muscles and skeleton	1 in 130 births	59
Genital and urinary tract	1 in 135 births	57
Nervous system and eye	1 in 235 births	33
Chromosomal syndromes	1 in 600 births	13
Club foot	1 in 735 births	10
Down Syndrome (Trisomy 21)	1 in 900 births	9
Respiratory tract	1 in 900 births	9
Cleft lip/palate	1 in 930 births	8
Spina bifida	1 in 2,000 births	4
Metabolic disorders	1 in 3,500 births	2
Anencephaly	1 in 8,000 births	<1
PKU	1 in 12,000 births	<1
Congenital Infections		
Congenital syphilis	1 in 2,000 births	4
Congenital HIV infection	1 in 2,700 births	3
Congenital rubella syndrome	1 in 100,000 births	<1
Other Conditions		
Fetal alcohol syndrome	1 in 1,000 births	8
Rh disease	1 in 1,400 births	5

*Estimates

Source: March of Dimes Birth Defects Foundation

Congenital Anomalies

Congenital anomalies are 22 specific birth defects that are identifiable at or shortly after birth and are recorded on the child's birth certificate. Between 1992 and 2000, the North Dakota rate of births with one or more congenital anomalies per 1,000 live births was higher than the United States rate. (Graph 25)

Chart 11 compares congenital anomaly rates for North Dakota and the United States. The number of total anomalies and the number of births with one or more congenital anomaly by county in North Dakota for 1994 through 2000 are shown in Table 26.

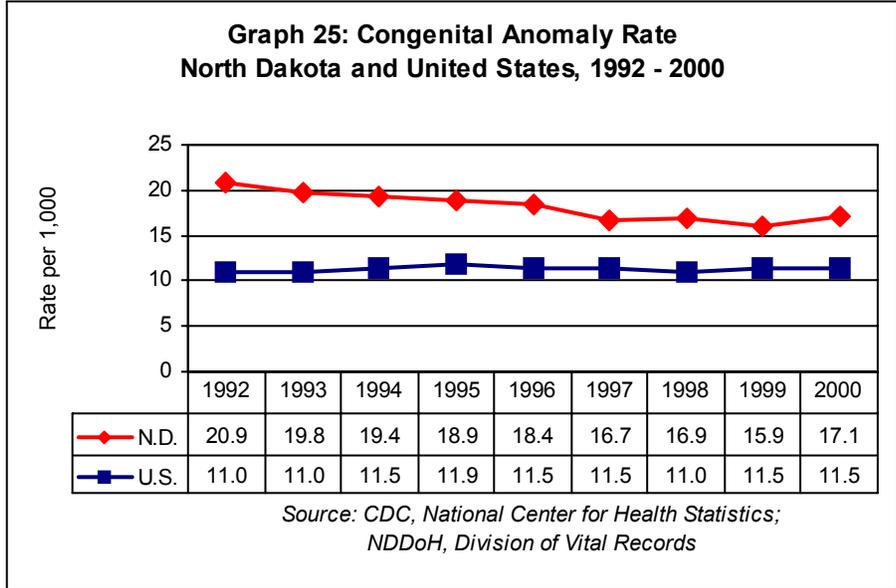


Chart 11: Congenital Anomaly Rate per 1,000 Births, 1992 - 2000

Condition	North Dakota	United States
Anencephalas	0.17	0.12
Microcephalus	0.12	0.07
Hydrocephalus	0.39	0.25
Spina bifida/meningocele*	0.43	0.23
Other central nervous system anomalies	0.25	0.21
Heart malformation*	1.65	1.16
Other circulatory/respiratory anomalies	1.45	1.32
Rectal atresia	0.19	0.09
Tracheo-esophageal fistula	0.24	0.14
Omphalocele/gastroschisis*	0.52	0.27
Other gastrointestinal anomalies	0.46	0.30
Renal agenesis	0.19	0.13
Malformed genitalia	0.39	0.76
Other urogenital anomalies*	2.71	1.08
Diaphragmatic hernia	0.20	0.12
Club foot*	0.95	0.57
Olydactyly/syndactyly/adactyly*	1.14	0.84
Cleft lip/palate*	1.62	0.83
Other musculoskeletal/integumental anomalies*	3.85	2.13
Down syndrome	0.78	0.45
Other chromosomal anomalies	0.85	0.43

*North Dakota rate significantly higher than United States rate, at a 95 percent degree of confidence

Source: National Center for Health Statistics, Centers for Disease Control and Prevention;
NDDoH, Division of Vital Records

Causes of Death to Children

The cause of death to North Dakota children varies depending upon the age of the child. For the nine-year period of 1990 through 1999, congenital anomalies, sudden infant death syndrome (SIDS), and short gestation/prematurity were the three leading causes of death to children younger than age 1. For children ages 1 through 9, unintentional injuries were the leading cause of deaths during the same time period, followed by congenital anomalies and malignant neoplasms (cancer). Motor vehicle crashes were the leading cause of death in adolescents ages 10 through 19, followed by suicide and other unintentional injuries. (Charts 12, 13 and 14)

*Chart 12: Leading Causes of Death, North Dakota
Children Ages Birth to 1, 1990 Through 1999*

Cause of Death	Number	Percentage
Congenital anomalies	179	36%
SIDS	108	22%
Short gestation/prematurity	52	10%
All other causes combined	159	32%
Total deaths	446	

Source: Centers for Disease Control and Prevention

*Chart 13: Leading Causes of Death, North Dakota
Children Ages 1 Through 9, 1990 Through 1999*

Cause of Death	Number	Percentage
Unintentional injuries	63	34%
Congenital anomalies	39	21%
Cancer	23	12%
All other causes combined	61	33%
Total deaths	186	

Source: Centers for Disease Control and Prevention

*Chart 14: Leading Causes of Death, North Dakota
Children Ages 10 Through 19, 1990 Through 1999*

Cause of Death	Number	Percentage
Motor vehicle crashes	172	39%
Suicide	113	26%
Other unintentional injuries	70	16%
All other causes combined	87	20%
Total deaths	442	

Source: Centers for Disease Control and Prevention

Pediatric Hospitalization

Causes

The total number of hospital admissions for North Dakota children ages birth through 20 decreased from more than 11,000 in 1996 to fewer than 8,500 in 1997. Mental health disorders are the leading cause of hospitalization for children ages 6 through 11 and 12 through 17. The three leading causes of pediatric hospitalization are summarized in Charts 15, 16 and 17

Chart 15: Leading Causes of Pediatric Hospitalization, North Dakota Children Ages Birth to 5, 1997 Through 1998

Cause	Number	Percentage
Newborn delivery	9,359	74.1%
Respiratory diseases	1,329	10.5%
Metabolic disorders	363	2.8%
All other causes	1,578	12.5%
Total hospitalizations	12,629	

Source: North Dakota Health Care Claims System

Chart 16: Leading Causes of Pediatric Hospitalization, North Dakota Children Ages 6 to 11, 1997 Through 1998

Cause	Number	Percentage
Mental disorders	297	22.9%
Respiratory diseases	213	16.4%
Metabolic disorders	186	14.4%
All other causes	599	46.3%
Total hospitalizations	1,295	

Source: North Dakota Health Care Claims System

Chart 17: Leading Causes of Pediatric Hospitalization, North Dakota Children Ages 12 to 17, 1997 Through 1998

Cause	Number	Percentage
Mental disorders	1,655	48.1%
Injuries and poisoning	317	9.2%
Pregnancy/childbirth	289	8.4%
All other causes	1,181	34.3%
Total hospitalizations	3,442	

Source: North Dakota Health Care Claims System

Service Use

Children with special health care needs are served by a number of public and private service systems.

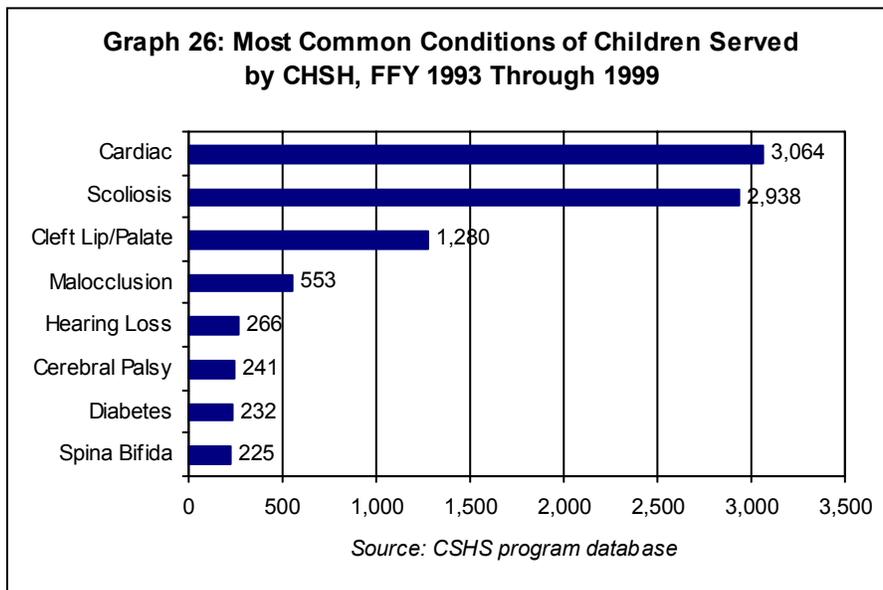
Children's Special Health Services

Between federal fiscal year (FFY) 1993 and FFY 2000, the Children's Special Health Services (CSHS) Unit in the North Dakota Department of Human Services directly served an average of more than 1,600 children per year. Table 27 shows the number of children by county served by CSHS from FFY 1993 through FFY 2000.

Between FFY 1993 and FFY 2000, the percentage of children ages birth through 2 served by CSHS increased from 9.7 percent to 14.4 percent.

The percentage of children served by CSHS who are Native American increased from 6.7 percent in FFY 1993 to 9.6 percent in FFY 2000.

Graph 26 shows the most common conditions of children served by CSHS from 1993 through 1999.



The primary source of information about the children served by the Children's Special Health Services Unit is the Family Needs Assessment Survey. Results for the 1999 survey can be obtained by calling the CSHS Unit at 1.800.755.2714.

Special Education

Many children with special health care needs are served through the Department of Public Instruction's Special Education Program. From the 1994-1995 school year to the 2000-2001 school year, between 12,000 and 13,000 North Dakota children were enrolled in special education programs, most often for speech and language impairments and learning disabilities. The conditions for which there was the greatest increase in the number of children served were serious emotional disturbance, other health impairment, autism and traumatic brain injuries. (Chart 18)

Chart 18: Eligibility Category of Children Served by Special Education Programs, For School Years 1994 Through 2001

Eligibility Category	'94-'95	'95-'96	'96-'97	'97-'98	'98-'99	'99-'00	'00-'01
Deaf/blind	2	2	1	5	5	2	2
Taumatic brain injury	23	21	22	27	29	31	35
Autism	44	58	67	81	96	112	135
Vision impaired	61	60	68	66	58	61	60
Hearing impaired	127	111	99	108	110	109	104
Orthopedically impaired	178	180	181	181	188	177	158
Other health impaired	231	287	344	375	471	542	640
Emotionally disturbed	617	691	779	812	903	973	1,037
Mental retardation	1,295	1,295	1,282	1,269	1,236	1,241	1,246
Speech/language impaired	3,892	4,060	4,191	4,333	4,306	4,416	4,251
Learning disability	5,558	5,542	5,627	5,697	5,620	5,686	5,620

Source: North Dakota Department of Public Instruction, Special Education Program

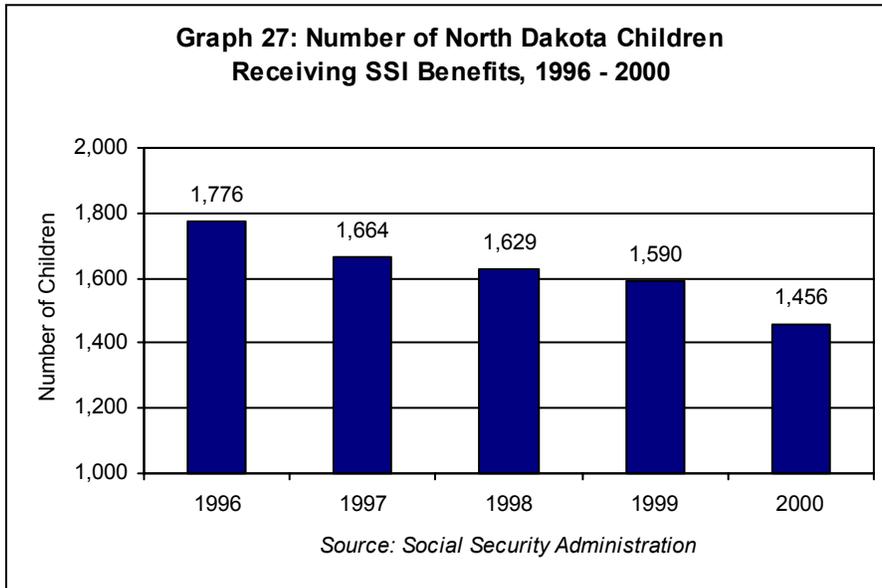
The number of children by county enrolled in special education in North Dakota for 1995 through 1999 can be found in Table 28.

Head Start

The number of children enrolled in Head Start increased from 2,414 in 1997 to 2,513 in 1999. The number of children served and the percentage of 3 to 4 year olds enrolled by county can be found in Table 29.

Supplemental Security Income

Many children who have disabilities or chronic illnesses receive Supplemental Security Income (SSI) benefits. In North Dakota, the number of children who receive benefits decreased from 1,776 in 1996 to 1,456 in 2000, primarily due to federal changes in SSI eligibility criteria. The percentage of North Dakota child SSI recipients who are Native American is about 15 percent. (Graph 27)



Early Intervention

The Infant Development Program, administered by the North Dakota Department of Human Services' Disability Services Division, serves infants and toddlers to age 3 who have or may be at risk for developing a developmental delay. The number of children served through early intervention increased each year between 1998 and 2000. (Chart 19)

Chart 19: Children by Race Ages Birth Through 3 Served by Early Intervention Programs, 1998 Through 2000

Child's Race	1998	1999	2000
White (Not Hispanic)	237	264	306
American Indian or Alaska Native	45	47	42
Asian or Pacific Islander	3	3	6
Black or African American	6	8	3
Hispanic or Latino	7	6	6
All Children Ages 0 to 3	298	328	363

Source: North Dakota Department of Human Services, Developmental Disabilities Division, Infant Development Program

Birth Review Program

The North Dakota Birth Review Program is an interagency effort among the state's Health, Human Services and Public Instruction departments. The purpose of the Birth Review Program is to notify the parents of newborns about the availability of resources and services if they should have any concerns about the health and development of their babies. Of particular concern are babies who had one or more risk conditions associated with their births that might make them more likely to develop health or developmental problems.

Shortly after the birth of a child, parents are mailed a letter asking them to contact the Children's Special Health Services Unit for information about available services. Between 1996 and 1998, more births with risks were notified and more families chose to participate by responding to the notification. (Chart 20)

Chart 20: North Dakota Birth Review Program Participation, 1996 Through 1998

Program Participation	1996	1997	1998
Births with risks notified	643	771	828
Families with risks who participated	210	246	358
Percentage of families who participated	33%	32%	43%

Source: Birth Review Program, Children's Special Health Services

Newborn Hearing Screening

Screening newborns for hearing loss prior to hospital discharge helps to identify hearing problems early. In addition, proper treatment and intervention at an early age can help minimize the effects of hearing loss in young children. The percentage of all newborns screened increased from 39 percent in 1998 to 42 percent in 2000. (Chart 21)

Chart 21: Newborn Hearing Screening by Facility, 1998 Through 2000

Facility and Location	1998	1999	2000
Altru Health System, Grand Forks	1,200	1,039	1,230
MeritCare Medical Center, Fargo	1,482	1,379	1,418
Trinity Hospital, Minot	580	692	700
Medcenter One Health Systems, Bismarck	26	54	97
St. Alexius Medical Center, Bismarck	300	200	192
Dakota/Heartland Health System, Fargo	NR	33	54
Total number of infants screened	3,588	3,397	3,691
Total number of in-state births	9,156	8,879	8,847
Percentage of infants screened	39.2%	38.3%	41.7%

Source: Newborn Hearing Screening Report, Children's Special Health Services

Adolescent Population

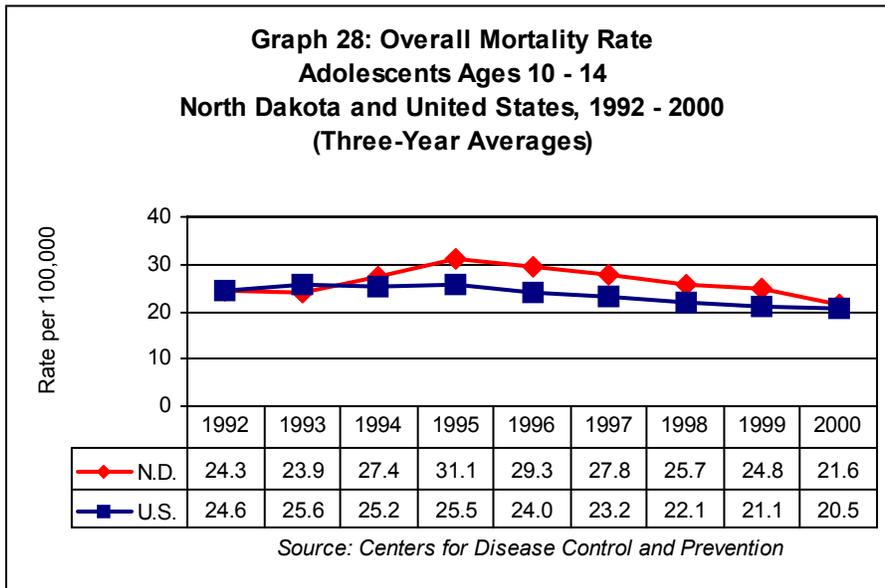
Adolescents are defined as children and teenagers between the ages of 10 and 19. Data for adolescents is grouped into two categories: ages 10 through 14 and ages 15 through 19.

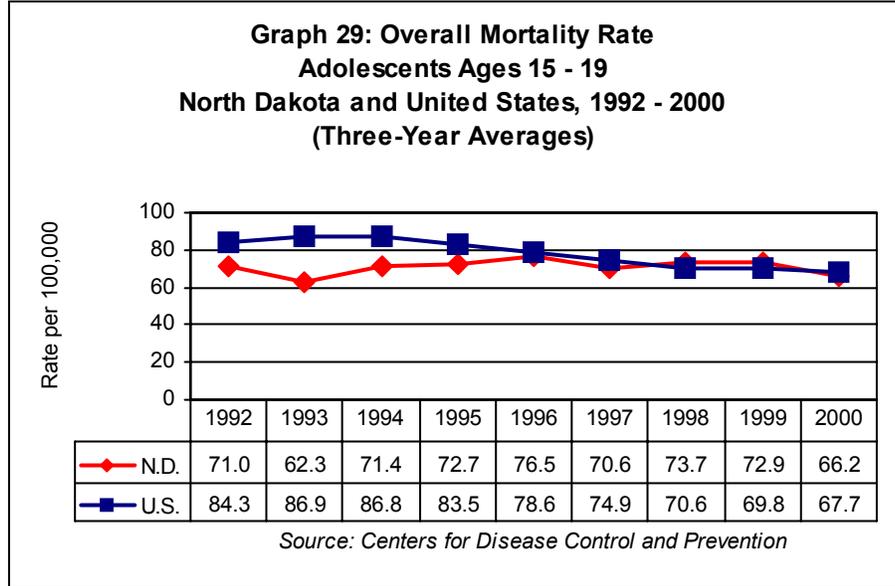
Mortality

The mortality rate is one of the most common indicators of adolescent health status. The adolescent mortality rate for North Dakota from 1990 through 2000 was graphed over time to display trends and was compared to the rate for the United States overall to identify differences between state and national rates. Because of the small number of deaths in North Dakota, three-year averages were used for the state rates.

Overall Mortality

The overall mortality rate for North Dakota adolescents ages 10 through 14 has shown a declining trend since 1995 but has remained slightly higher than the national rate. The mortality rate for North Dakota adolescents ages 15 through 19 has shown a somewhat flat trend, but because the national rate is declining, the state rate now is slightly higher than the national rate. (Graphs 28 and 29) Deaths of children ages 10 through 19 by county can be found in Table 30.

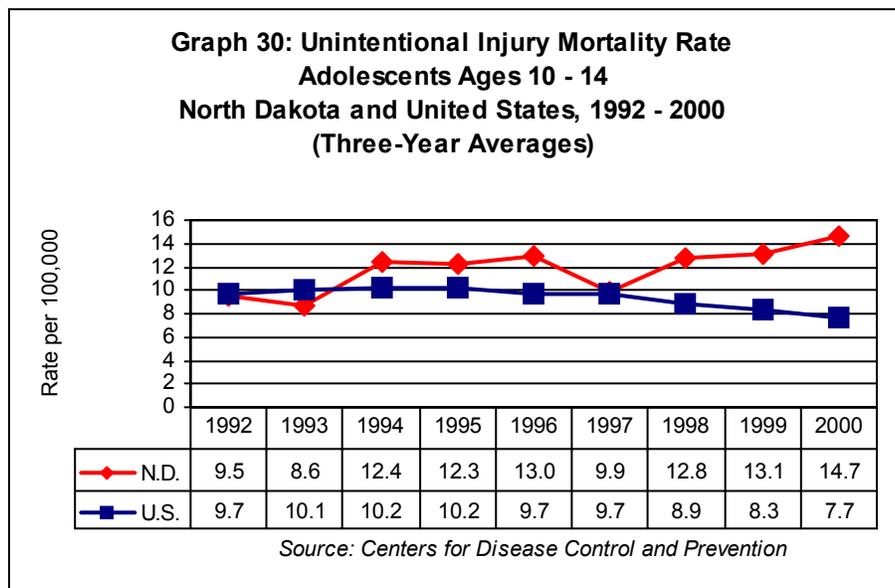


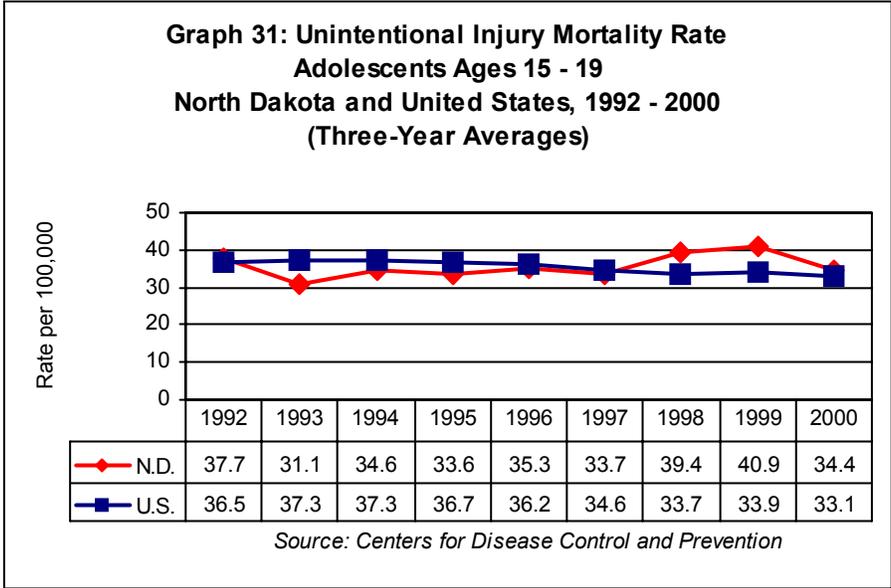


Three of the leading causes of adolescent mortality are deaths due to unintentional injuries, deaths caused by motor vehicle crashes, and suicide.

Unintentional Injuries

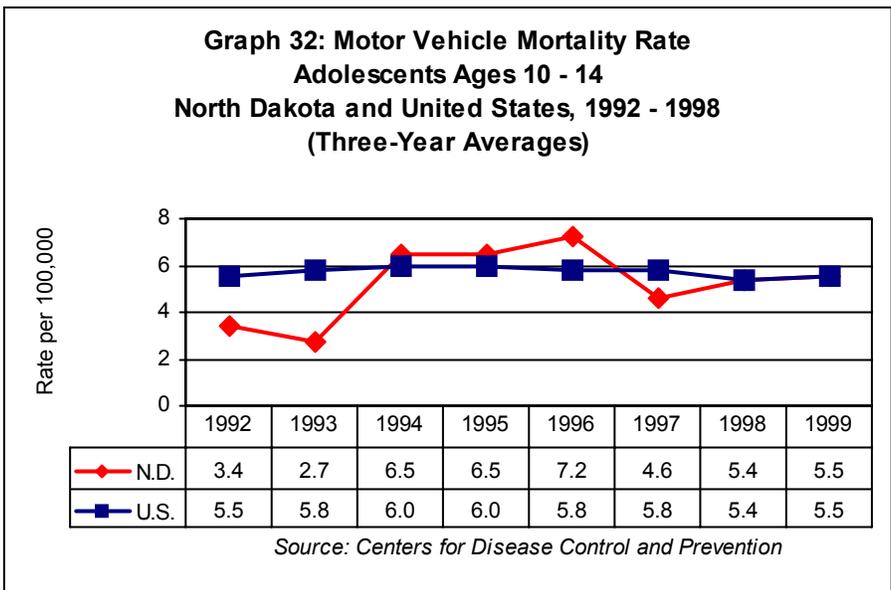
The mortality rate due to unintentional injuries for North Dakota adolescents ages 10 through 14 has increased since 1997, while the national rate has decreased. The rate for adolescents ages 15 through 19 was similar to the national rate until an increase in 1998. (Graphs 30 and 31) Deaths by county of children ages 10 through 19 due to accidents can be found in Table 31.



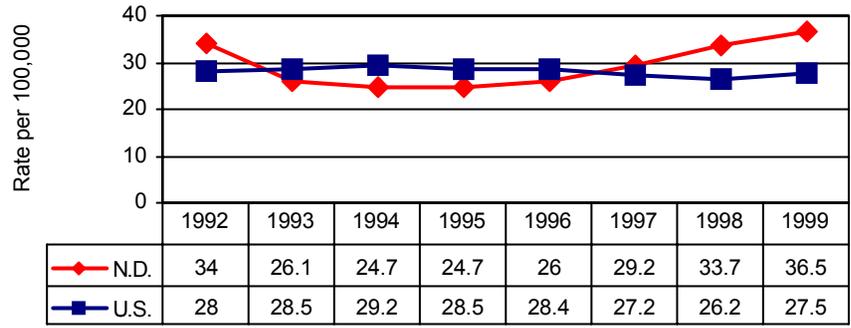


Motor Vehicle Crashes

Although the mortality rate for North Dakota adolescents ages 10 through 14 due to motor vehicle crashes has fluctuated, the 1998 and 1999 rates were the same as the national rate. Since 1995, the national motor vehicle death rate for adolescents ages 15 through 19 has decreased, while the North Dakota rate has increased to surpass the national rate. (Graphs 32 and 33) Deaths of children ages 10 through 19 due to motor vehicle accidents can be found in Table 32.



**Graph 33: Motor Vehicle Mortality Rate
Adolescents Ages 15 - 19
North Dakota and United States, 1992 - 1999
(Three-Year Averages)**

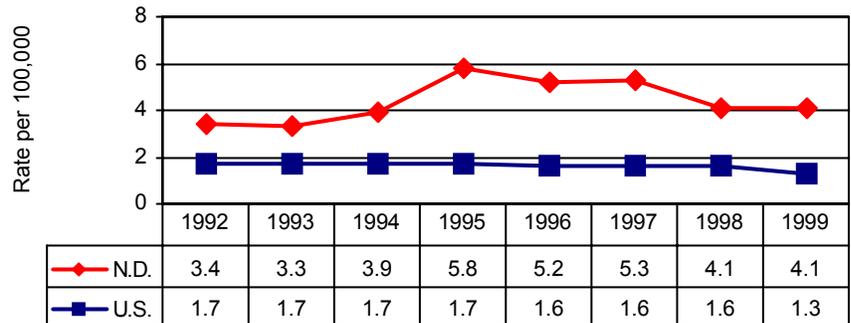


Source: Centers for Disease Control and Prevention

Suicide

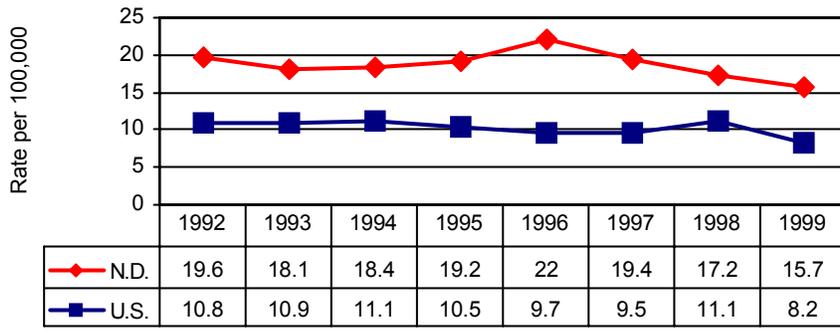
Although the suicide mortality rate for North Dakota adolescents ages 10 through 14 has shown a declining trend since 1995, it is substantially higher than the national rate. Likewise, although the rate for North Dakota adolescents ages 15 through 19 has declined since 1996, it also is higher than the rate for the United States overall. (Graphs 34 and 35) Deaths by county of children ages 10 through 19 due to suicide can be found in tables 33, 34 and 35.

**Graph 34: Suicide Mortality Rate
Adolescents Ages 10 - 14
North Dakota and United States, 1992 - 1999
(Three-Year Averages)**



Source: Centers for Disease Control and Prevention

**Graph 35: Suicide Mortality Rate
Adolescents Ages 15 - 19
North Dakota and United States, 1992 - 1999
(Three-Year Averages)**

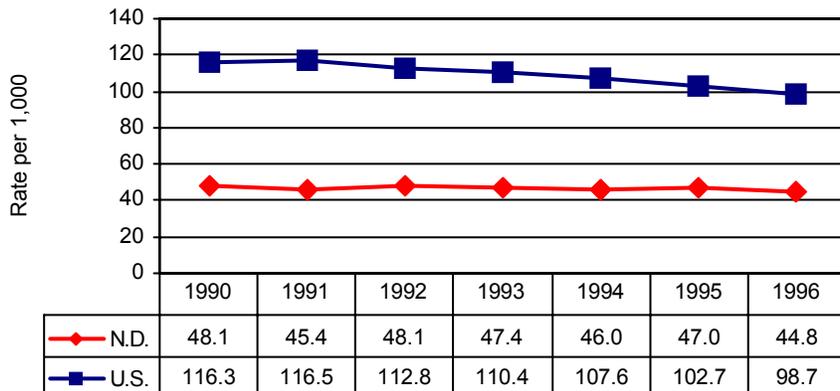


Source: Centers for Disease Control and Prevention

Teen Pregnancies

Both the United States and North Dakota pregnancy rates for teens ages 15 through 19 declined slightly between 1990 and 1996. In 1996, the state rate was less than one-half the national rate. (Graph 36) The number of teen pregnancies and teen pregnancy rates by North Dakota county can be found in tables 36 and 37.

**Graph 36: Teen (Ages 15 - 19) Pregnancy Rates
North Dakota and United States, 1990 - 1996**

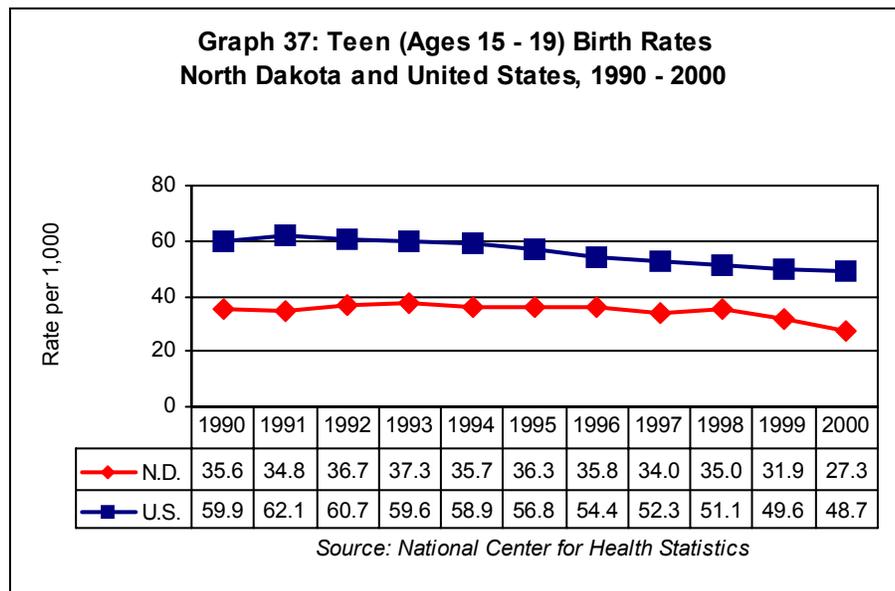


Source: National Center for Health Statistics

Teen Births

The number of births to North Dakota teens ages 15 through 19 decreased from 810 in 1995 to 707 in 2000.

Between 1990 and 2000, the United States birth rate for teens ages 15 through 19 decreased slightly; at the same time, the North Dakota teen birth rate remained about the same until 1999, when the rate began a dramatic decline. The national teen birth rate remains considerably higher than the state rate. (Graph 37) The number of teen births and teen birth rates by county is in Tables 38 and 39.



Alcohol and Tobacco Use During Pregnancy

Teen mothers were slightly more likely to use alcohol and more than twice as likely to use tobacco during their pregnancies than were North Dakota mothers ages 20 and older. (Charts 22 and 23)

Chart 22: Births With Maternal Alcohol Use, by Age of Mother, 1994 through 2000

Age of Mother	1994	1995	1996	1997	1998	1999	2000
Younger than 20	1.8%	2.2%	2.0%	1.6%	1.7%	1.5%	3.7%
20 or older	1.6%	1.3%	1.5%	1.1%	1.1%	1.1%	1.0%

Source: NDDoH, Division of Vital Records

Chart 23: Births With Maternal Tobacco Use, by Age of Mother, 1994 through 2000

Age of Mother	1994	1995	1996	1997	1998	1999	2000
Younger than 20	30.3%	27.9%	32.7%	37.0%	33.4%	36.6%	33.5%
20 or older	18.2%	16.7%	16.8%	18.2%	17.8%	17.3%	13.0%

Source: NDDoH, Division of Vital Records

Low Birth Weight and Very Low Birth Weight

Teen mothers were more likely to give birth to infants born at low birth weights (LBW) and very low birth weights (VLBW) than were mothers ages 20 and older. (Charts 24 and 25)

Chart 24: LBW Births, by Age of Mother, 1994 through 2000

Age of Mother	1994	1995	1996	1997	1998	1999	2000
Younger than 20	6.4%	7.2%	7.4%	7.4%	7.6%	7.0%	7.9%
20 and older	5.3%	5.1%	5.6%	6.0%	6.5%	5.8%	6.4%

Source: NDDoH, Division of Vital Records

Chart 25: VLBW Births, by Age of Mother, 1994 through 2000

Age of Mother	1994	1995	1996	1997	1998	1999	2000
Younger than 20	1.4%	1.5%	1.8%	1.3%	1.5%	1.1%	2.0%
20 and older	1.0%	1.0%	0.8%	1.1%	1.3%	1.0%	1.1%

Source: NDDoH, Division of Vital Records

Sexually Transmitted Diseases

Gonorrhea

In North Dakota, the number of reported cases of gonorrhea in teens ages 15 through 19 more than doubled between 1994 and 2000. In addition, cases of gonorrhea in teens ages 15 through 19 increased from 24 percent of all state cases in 1994 to 32 percent in 2000. In the same time period, the rate of gonorrhea per 100,000 North Dakota teens increased from 18 to 43. (Chart 26)

Chart 26: Gonorrhea Cases and Rates, North Dakota Teens Ages 15 Through 19, 1994 through 2000

	1994	1995	1996	1997	1998	1999	2000
Cases age 15-19	9	9	13	26	25	30	23
All state cases	38	35	42	73	80	81	73
Percentage to teens	23.7%	25.7%	31.0%	35.6%	31.3%	37.0%	31.5%
Teen population	48,623	50,217	51,571	52,636	53,337	53,114	53,618
Rate per 100,000	17.9	17.9	25.2	49.4	53.6	56.2	42.9

Source: NDDoH, Sexually Transmitted Disease Program

Chlamydia

The number and rate of chlamydia cases in teens ages 15 through 19 remained stable from 1994 through 2000; however, because there were fewer total cases in the state, the percentage of teen cases increased from 31 percent of all state cases in 1994 to 36 percent in 2000. (Chart 27)

Chart 27: Chlamydia Cases and Rates, North Dakota Teens Ages 15 Through 19, 1994 through 2000

	1994	1995	1996	1997	1998	1999	2000
Cases age 15-19	339	254	298	276	349	307	329
All state cases	1,101	1,079	1,022	887	1,036	934	909
Percentage to teens	30.8%	23.5%	29.2%	31.1%	33.7%	32.9%	36.2%
Teen population	48,623	50,217	51,571	52,636	53,337	53,114	53,618
Rate per 100,000	697.2	505.8	577.8	524.4	747.8	575.4	613.6

Source: NDDoH, Sexually Transmitted Diseases Program

Youth Risk Behaviors

The Youth Risk Behavior Survey (YRBS) is a school-based survey of adolescent risk behaviors conducted by the Centers for Disease Control and Prevention in the spring of every odd-numbered year. The North Dakota Department of Public Instruction and the North Dakota Department of Health conduct the North Dakota YRBS. Students are randomly selected and survey results are weighted to provide representative data. The risk behaviors surveyed often are established during and prior to adolescence, extend into adulthood and contribute to the leading causes of mortality and morbidity among youth and adults.

Safety and Violence

In 1999, the percentage of North Dakota high school students (grades nine through 12) who reported they never or rarely used safety belts was nearly double the national percentage. Male teens in the state were more than twice as likely as females to report never or rarely using safety belts. (Chart 28)

Between 1995 and 1999, the percentage of North Dakota teens who reported they drove after drinking alcohol declined slightly but remained more than twice the national percentage. (Chart 29)

Chart 28: Percentage of Teens Who Never or Rarely Used Safety Belts, 1999

	Male	Female	All
North Dakota	43.9%	19.3%	31.9%
United States	20.8%	11.9%	16.4%

Chart 29: Percentage of Teens Who Drove After Drinking Alcohol, 1995 Through 1999

	1995	1997	1999
North Dakota	32.5%	33.2%	31.4%
United States	15.4%	16.9%	13.1%

The percentage of North Dakota teens who reported they rode with a driver who had been drinking was higher than the national percentage each year between 1995 and 1999. (Chart 30)

The percentage of North Dakota male teens who reported that they never or rarely wore motorcycle helmets (among teen males who rode motorcycles within the past 12 months) increased each year between 1995 and 1999 and was higher than the national percentage each year. (Chart 31)

Chart 30: Percentage of Teens Who Rode With a Driver Who Had Been Drinking, 1995 Through 1999

	1995	1997	1999
North Dakota	48.7%	52.5%	48.0%
United States	38.8%	36.6%	33.1%

Chart 31: Percentage of Teen Males Who Never or Rarely Wore Motorcycle Helmets, 1995 Through 1999

	1995	1997	1999
North Dakota	49.7%	53.0%	56.2%
United States	44.7%	38.3%	44.5%

The percentage of North Dakota teens who reported making suicide plans has decreased slightly but was higher than the national percentage for each of the three years between 1995 and 1999. (Chart 32)

Chart 32: Percentage of Teens Who Made Suicide Plans, 1995 Through 1999

	1995	1997	1999
North Dakota	19.9%	20.8%	14.5%
United States	17.7%	15.7%	14.3%

Tobacco, Alcohol and Drug Use

The percentage of North Dakota teens who reported that they currently use cigarettes (defined as smoking cigarettes on one or more of the 30 days preceding the survey) was higher than the national percentage each of the three years between 1995 and 1999. (Chart 33)

The percentage of North Dakota teens who reported frequent cigarette use (defined as smoking cigarettes on 20 or more of the 30 days preceding the survey) increased between 1995 and 1999 and was higher than the national percentage each of those years. (Chart 34)

Chart 33: Percentage of Teens Who Currently Use Cigarettes, 1995 Through 1999

	1995	1997	1999
North Dakota	39.6%	45.0%	40.6%
United States	34.8%	36.4%	34.8%

Chart 34: Percentage of Teens Who Frequently Use Cigarettes, 1995 Through 1999

	1995	1997	1999
North Dakota	19.8%	20.2%	20.5%
United States	16.1%	16.7%	16.8%

The percentage of North Dakota teens who reported current alcohol use (defined as drinking alcohol on one or more of the 30 days preceding the survey) was higher than the national percentage each year between 1995 and 1999. (Chart 35)

Although the percentage of North Dakota teens who reported using alcohol on school property has decreased, it remained higher than the national percentage each year between 1995 and 1999. (Chart 36)

Chart 35: Percentage of Teens Who Currently Use Alcohol, 1995 Through 1999

	1995	1997	1999
North Dakota	60.7%	61.1%	60.5%
United States	51.6%	50.8%	50.0%

Chart 36: Percentage of Teens Who Used Alcohol on School Property, 1995 Through 1999

	1995	1997	1999
North Dakota	8.6%	6.9%	5.5%
United States	6.3%	5.6%	4.9%

Sexual Behavior

The percentage of North Dakota female teens who reported their first sexual intercourse before the age of 13 increased, while the percentage for North Dakota male teens decreased each year between 1995 and 1999. (Chart 37)

Chart 37: Percentage of Teens Experiencing First Sexual Intercourse Before Age 13, 1995 Through 1999

	1995	1997	1999
Males	9.5%	5.2%	4.7%
Females	2.6%	2.7%	3.2%

Diet, Nutrition and Exercise

Although the percentage of North Dakota female teens who reported they were attempting to lose weight decreased slightly, it remained higher than the national rate each year between 1995 and 1999. The percentage of females in North Dakota who reported taking laxatives, vomiting or taking diet pills to lose or control weight also was higher than the national rate. (Chart 38)

Chart 38: Percentage of Females Attempting Weight Loss, 1995 Through 1999

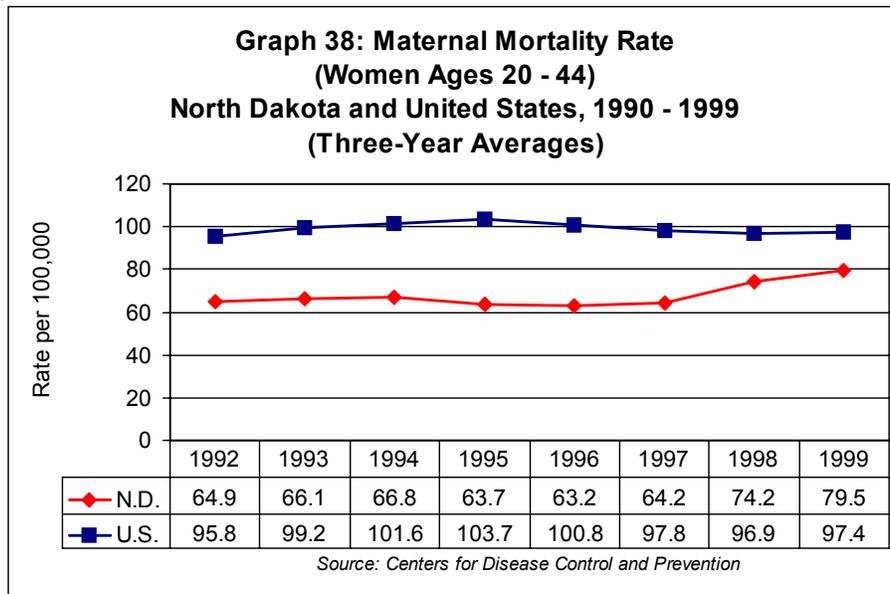
	1995	1997	1999
North Dakota	67.7%	62.4%	62.7%
United States	59.8%	59.7%	59.4%

Maternal Population

The maternal population is defined as women of childbearing age, from age 20 through 44.

Mortality

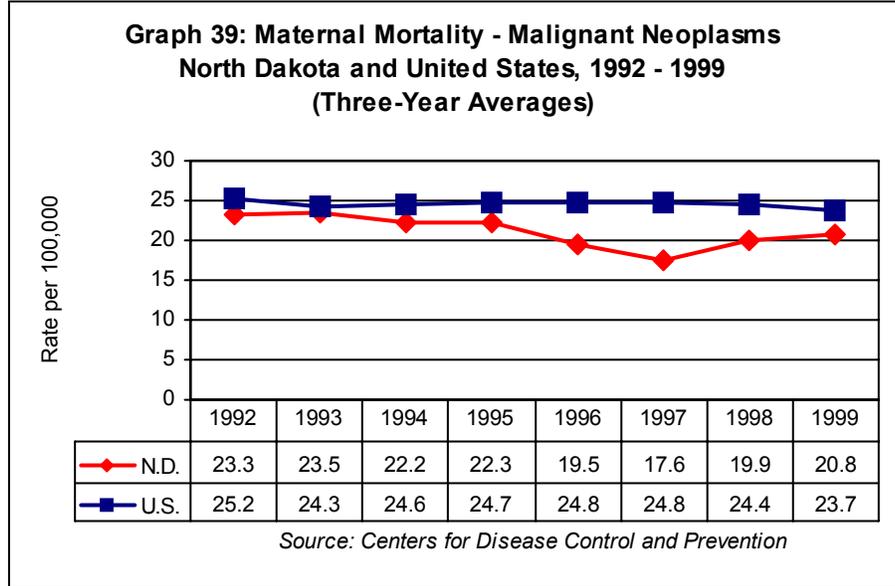
The mortality rate per 100,000 for North Dakota women ages 20 through 44 is lower than the national rate. Beginning in 1997, however, the national rate began to decline while the state rate increased. Because of the small numbers of maternal deaths in the state, North Dakota rates are based on three-year averages. (Graph 38)



In both North Dakota and the United States, the three leading causes of mortality in women ages 20 through 44 are malignant neoplasms (cancer), unintentional injuries (mostly motor vehicle accidents), and heart disease.

Malignant Neoplasms (Cancer)

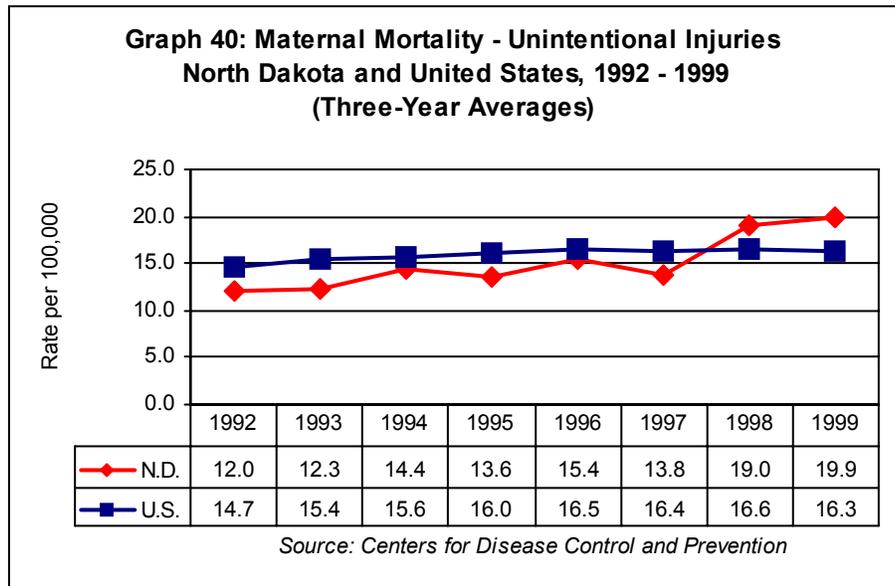
The female mortality rate due to cancer is lower in North Dakota than in the United States overall. The state cancer mortality rate showed a declining trend until a slight increase in 1999. (Graph 39)



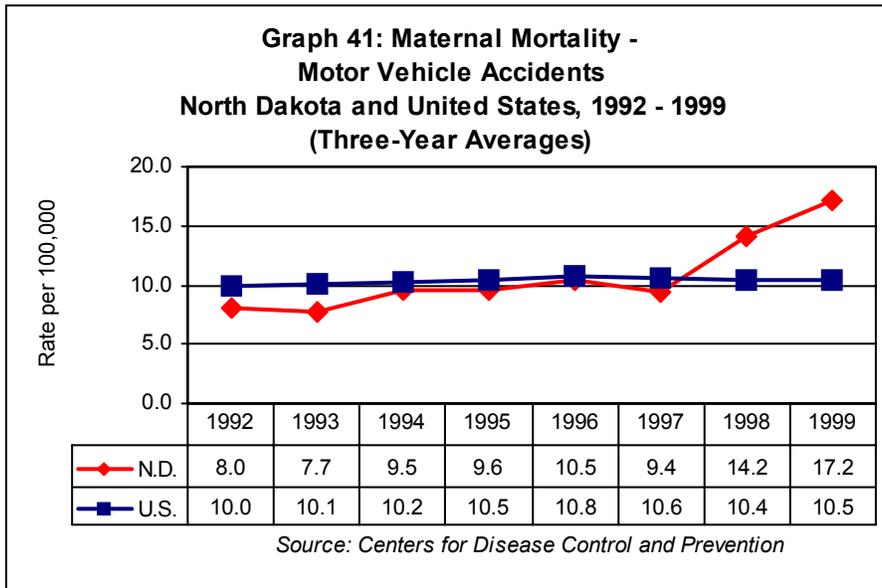
In 1997, according to the North Dakota Cancer Registry Annual Report, there were 437 known cases of breast cancer in North Dakota and 117 deaths; in addition, there were 22 known cases of cervical cancer and 10 deaths.

Unintentional Injuries

From 1992 through 1999, the North Dakota mortality rate due to unintentional injuries in women ages 20 through 44 increased to a rate higher than the United States rate. (Graph 40)

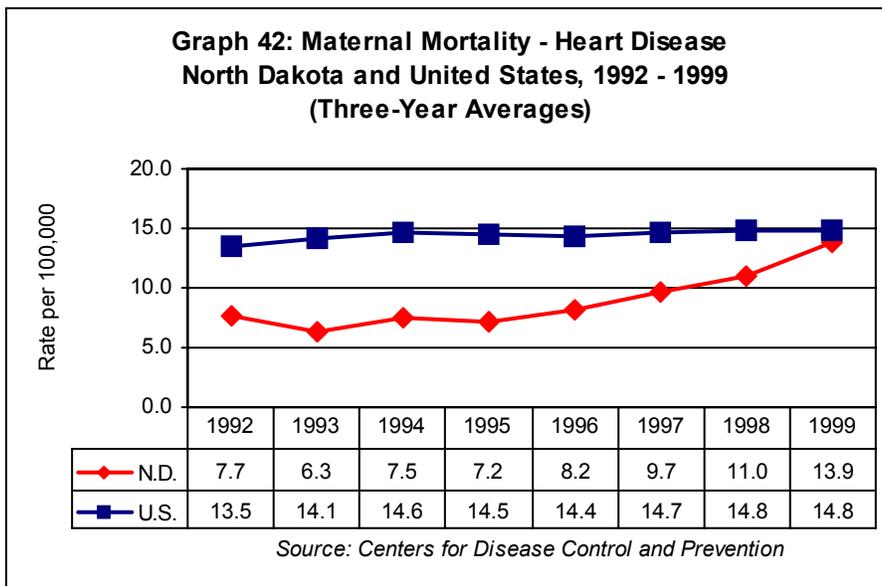


In both North Dakota and the United States, motor vehicle accidents account for about two-thirds of all unintentional injury deaths to women ages 20 through 44. The North Dakota maternal mortality rate due to motor vehicle accidents was lower than the national rate until a dramatic increase in 1998. (Graph 41)



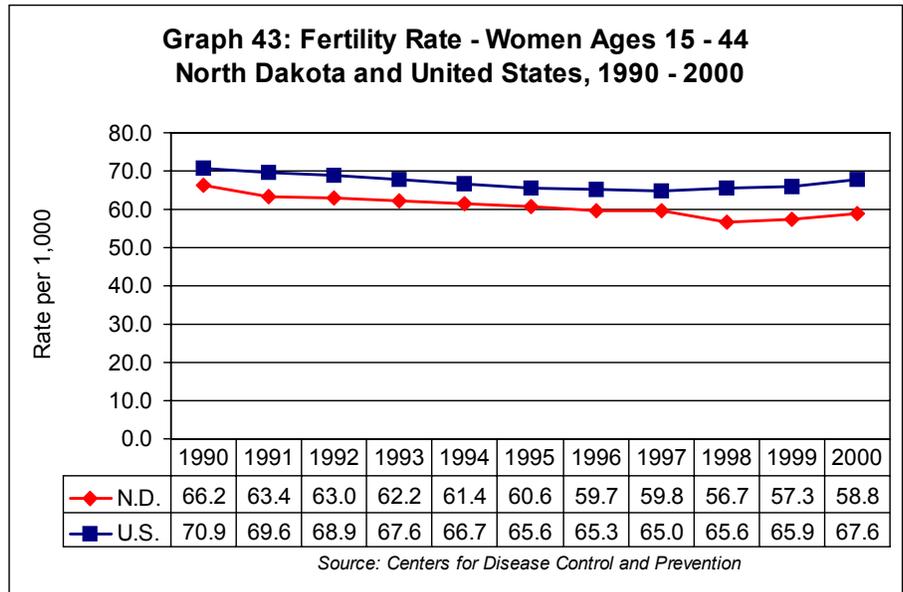
Heart Disease

Although the North Dakota maternal mortality rate due to heart disease is lower than the national rate, it has shown an increasing trend since 1995. (Graph 42)



Fertility

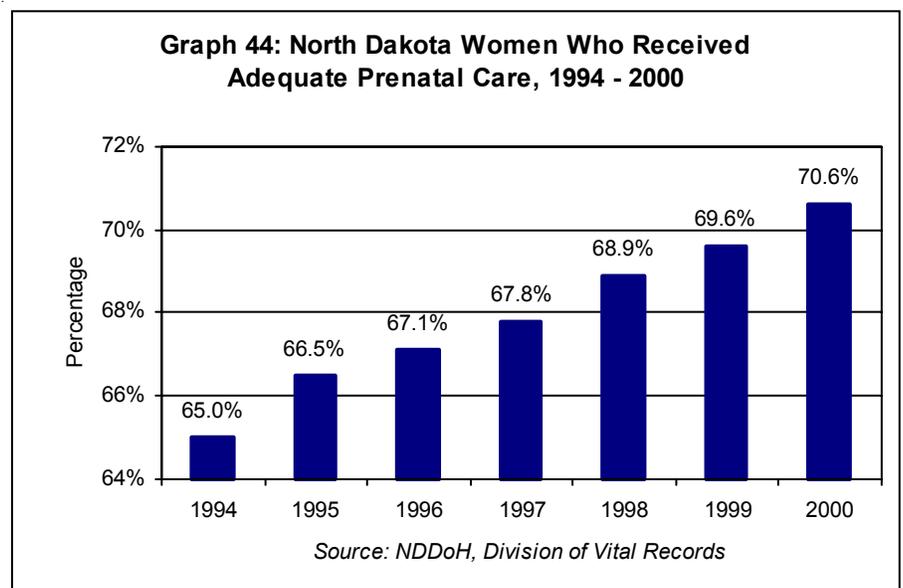
The fertility rate in North Dakota – the number of births per 1,000 women ages 15 through 44 – not only is lower than in the United States overall, but also has been declining at a faster rate than the national rate. (Graph 43)



Pregnancy and Birth

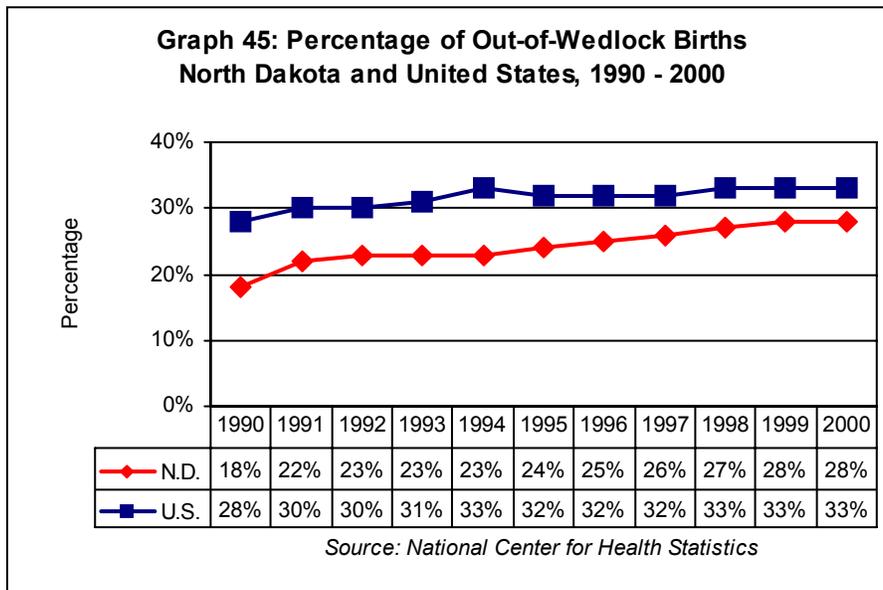
Adequacy of Prenatal Care

The percentage of North Dakota mothers who received adequate prenatal care during their pregnancies – defined as care that began in the first trimester and followed a prescribed number of visits by the gestational age (Kessner Index) – increased between 1994 and 2000. (Graph 44)



Wedlock Status

In North Dakota, a decreasing percentage of births occur to married women. Although the percentage of North Dakota out-of-wedlock births was lower than the national percentage between 1990 and 2000, the number of women giving birth out of wedlock increased. (Graph 45)



The number of out-of-wedlock pregnancies and out-of-wedlock pregnancy rates by county can be found in tables 40 and 41. The number of out-of-wedlock births and out-of-wedlock birth rates by county can be found in tables 42 and 43.

Plurality

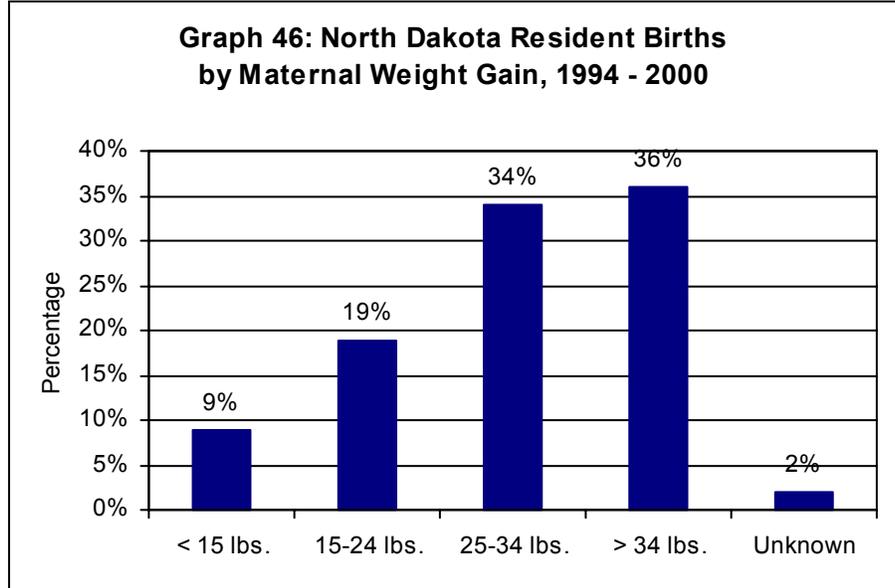
Between 1994 and 2000, about 97 percent of all births to North Dakota women were single births and about 3 percent were multiple births.

Number of Pregnancies

Between 1994 and 2000, about one-third of North Dakota births were the mothers' first babies and about 30 percent their second. Women who had more than two prior births accounted for more than one-third of all births.

Weight Gain

Between 1994 and 2000, less than 30 percent of births occurred to women who gained less than 25 pounds during pregnancy. More than one-third of women gained between 25 and 34 pounds, and nearly 36 percent of women gained more than 35 pounds during pregnancy. (Graph 46)

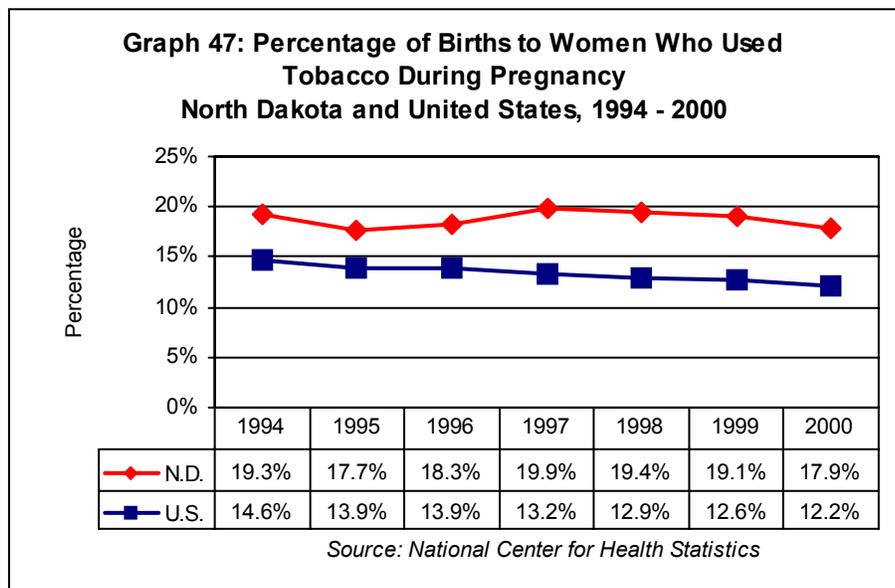


Gestational Age

More than 90 percent of all births between 1994 and 2000 occurred at between 37 and 42 weeks gestation. The percentage of births that occurred at less than 37 weeks increased from 7.7 percent of all births in 1994 to 8.8 percent of births in 2000.

Tobacco and Alcohol Use

The percentage of North Dakota women who reported using tobacco during pregnancy has declined since 1997 but has remained higher than the national percentage. (Graph 47) About 1 percent of women nationally and in North Dakota used alcohol during their pregnancies.



Method of Delivery

Just over 9,000 babies were born in North Dakota medical facilities during 1997 and 1998. About 7,300 babies were delivered vaginally, and about 1,700 were delivered by cesarean (C-section). Of those, about 1,000 are primary, or first-time C-sections, and about 700 are repeat C-sections. Each year, about 300 babies are delivered vaginally after previous C-sections.

Complications of Labor and Delivery

Just over 30 percent of all live births in North Dakota have one or more complications of labor and delivery. From 1994 through 2000, breech/malpresentation, meconium, cephalopelvic disproportion, fetal distress and precipitous labor accounted for nearly one-half of all complications and occurred in about 19 percent of all births. (Chart 39)

Chart 39: Complications of Labor and Delivery, North Dakota 1994 Through 2000

Complication of Labor & Delivery	Number	Percentage of All Complications	Percentage of All Live Births
Breech/malpresentation	2,849	12.4%	5.0%
Meconium	2,172	9.5%	3.8%
Cephalopelvic disproportion	2,146	9.4%	3.8%
Fetal distress	1,959	8.5%	3.4%
Precipitous labor (<3 hours)	1,473	6.4%	2.6%

Source: NDDoH, Division of Vital Records

Maternal Medical Risk Factors

From 1994 through 2000, about 22 percent of North Dakota mothers had one or more medical risk factors identified during pregnancy or childbirth. Pregnancy-associated hypertension, gestational diabetes, having a previous infant weighing 4,000 or more grams, and having a previous preterm or small-for-gestational-age (SGA) infant accounted for nearly 45 percent of all complications and almost 10 percent of all births. (Eclampsia was not reported until 1997.) (Chart 40)

Chart 40: Medical Risk Factors of Pregnancy and Childbirth, North Dakota 1994 Through 2000

Complication of Labor & Delivery	Number	Percentage of All Risk Factors	Percentage of All Live Births
Pregnancy-associated hypertension	2,157	17.3%	3.8%
Gestational diabetes	1,526	12.2%	2.7%
Previous infant 4,000+ grams	1,021	8.2%	1.8%
Previous preterm or SGA infant	848	6.8%	1.5%

Source: NDDoH, Division of Vital Records

Domestic Violence

Between 1995 and 1998, there were 5,767 reported incidents of domestic violence in North Dakota – an average of about 1,400 per year. The domestic violence rate for 1995 through 1998 was 225 per 100,000 population. Densely populated urban counties in North Dakota report a higher rate of domestic violence than do many rural and frontier counties, and two counties – Foster and Sheridan – reported no incidents of domestic violence for 1995 through 1998. Chart 41 lists the counties with the highest rates of domestic violence for 1995 through 1998. (Chart 41) The number of reports of domestic violence and rates per 100,000 population by North Dakota county from 1995 through 1998 can be found in Table 44.

Chart 41: Rate per 100,000 Domestic Violence Reports by County, 1995 Through 1998

County	Rate
Ramsey	498.1
Morton	452.7
Stutsman	428.4
Ward	379.4
Williams	323.1
Burleigh	318.2
Grand Forks	307.4

Source: North Dakota Office of the Attorney General, Domestic Violence in North Dakota

A victim's residence or home is the most common location of incidents of domestic violence. (Chart 42)

Chart 42: Location of Incidents of Domestic Violence, 1995 Through 1998

Location	1995	1996	1997	1998
Residence/home	1,166	1,274	1,241	1,239
Highway/road/alley	65	70	82	81
Bar/night club	43	30	29	28
Parking lot/garage	47	34	47	51
Hotel/motel	26	21	22	19
All other locations	63	57	67	72
Total incidents	1,410	1,486	1,488	1,490

Source: North Dakota Office of the Attorney General, Domestic Violence in North Dakota

In nearly one-half of domestic violence incidents, the offender was using alcohol, drugs or a combination of alcohol and drugs. (Chart 43)

Chart 43: Offender Drug and Alcohol Use, 1995 Through 1998

	1995	1996	1997	1998
Alcohol	737	688	752	778
Drugs	8	28	11	16
Both	15	16	30	29
None	795	916	836	846
Total	1,555	1,648	1,629	1,669

Source: North Dakota Office of the Attorney General, Domestic Violence in North Dakota

More than one-half of all domestic violence incidents result in the arrest of the offender. (Chart 44)

Chart 44: Percentage of Offenders Arrested, 1995 Through 1998

	1995	1996	1997	1998
Offenders	1,555	1,648	1,629	1,669
Arrests	857	881	930	915
Percentage Arrested	55.1%	53.5%	57.1%	54.8%

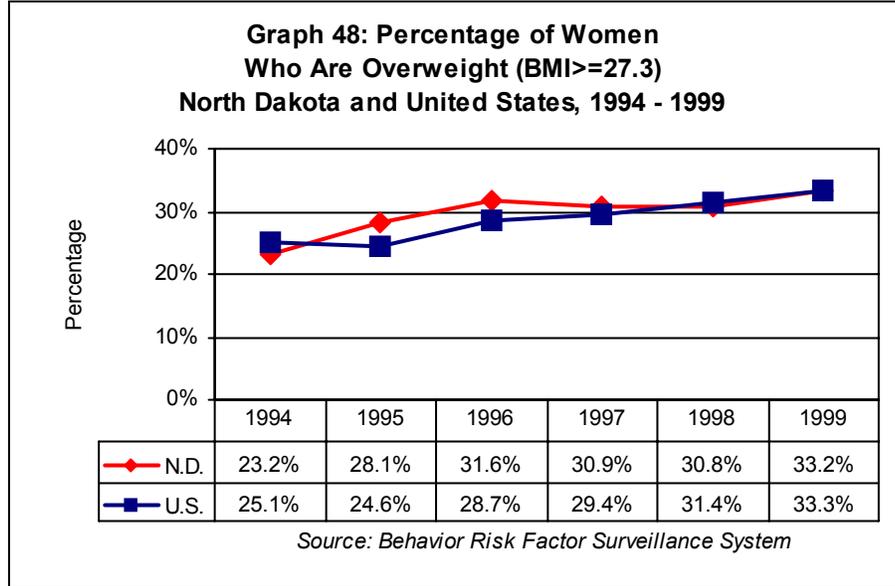
Source: North Dakota Office of the Attorney General, Domestic Violence in North Dakota

Maternal Risk Factors

The Behavior Risk Factor Surveillance System (BRFSS) is a state-based telephone survey of the civilian, non-institutionalized adult population (age 18 or older). The North Dakota Department of Health uses random digit dialing to select samples of adults in households with telephones. Sample sizes vary by question, but typically average about 2,000 respondents.

Data could not be obtained for responses from women in the maternal population ages 20 through 44 only. Therefore, the following summary indicates responses from all females surveyed both in the state and nationally.

- The percentage of North Dakota women who are overweight – defined as a body mass index (BMI) of 27.3 or greater – increased between 1994 and 1999, but is similar to the percentage for women nationally. (Graph 48)



- The percentage of North Dakota women who reported they participated in regular and sustained physical activity decreased between 1996 and 2000 and is now lower than the national percentage. (Chart 45)

Chart 45: Participation in Physical Activity, North Dakota and United States, 1996 Through 2000

Physical Activity	1996		1998		2000	
	N.D.	U.S.	N.D.	U.S.	N.D.	U.S.
Regular and sustained	17.6%	20.4%	17.2%	19.5%	13.6%	21.2%
Vigorous	13.3%	15.2%	11.5%	13.6%	15.6%	14.8%

- Between 1995 and 1999, the percentage of North Dakota women who reported they were binge drinkers – defined as consuming five or more drinks on occasion one or more times in the previous month – was higher than the national percentage. (Chart 46)
- In 1995 and 1997, the percentage of North Dakota women who reported they always wore safety belts when they rode in or drove a car was substantially lower than the percentage for all women in the United States. (Chart 47)

Chart 46: Binge Drinking, North Dakota and United States, 1995 Through 1999

	1995	1997	1999
North Dakota	7.5%	10.6%	9.9%
United States	6.9%	6.7%	7.4%

Chart 47: Safety Belt Use, North Dakota and United States, 1995 Through 1997

	1995	1997
North Dakota	49.6%	50.9%
United States	73.5%	74.8%

- The percentage of North Dakota women who ever had their blood cholesterol tested or who had their blood cholesterol tested within the previous five years is lower than the national percentage. The percentage of North Dakota women who reported they were ever told by a health professional that they had high blood cholesterol increased between 1995 and 1999 and was higher than the national percentage. (Chart 48)
- The percentage of North Dakota women who reported they had been told by a health professional that their blood pressure was too high increased and was higher than the percentage for all women in the United States from 1995 to 1999. (Chart 49)

Chart 48: Told Had High Blood Cholesterol, North Dakota and United States, 1995 Through 1999

	1995	1997	1999
North Dakota	21.7%	31.6%	33.1%
United States	20.4%	28.8%	29.8%

Chart 49: Told Blood Pressure Too High, North Dakota and United States, 1995 Through 1999

	1995	1997	1999
North Dakota	22.3%	25.4%	26.7%
United States	22.7%	23.6%	24.7%



Health Care System

Capacity

Access to health care for the maternal and child health population is influenced by a number of factors, including how health care is financed and the number and location of health care facilities and providers. From 1994 through 1999, the number of hospitals and hospital beds in the state decreased, but the number of practicing health care professionals increased. (Chart 50)

Chart 50: Change in Number of Health Care Facilities, Providers and Associated Professionals

Health Care Facilities	1994 - 1995	1998 - 1999	Change
General hospitals	50	46	- 4
Hospital beds	4,052	3,192	- 860
Health Care Providers			
Family practice physicians	329	352	+ 33
Dentists	287	288	+ 1
Psychiatrists	81	82	+ 1
Obstetricians	51	58	+ 7
OB/GYNs	59	51	- 8
Associated Health Professionals			
Registered nurses	6,159	8,296	+ 2,137
Licensed practical nurses	2,561	3,162	+ 601
Advance practice nurses	124	399	+ 275
Audiologists	32	42	+ 10
Speech therapists	231	279	+ 48

Pediatric Providers

Although the number of hospitals with pediatric beds decreased from 1994 to 1998, the number of pediatricians and pediatric specialists practicing in the state increased, while the number of pediatric dentists remained at four. (Chart 51)

Chart 51: Pediatric Health Care Facilities and Providers

Health Care Facilities	1994 -1995	1998 - 1999	Change
Hospitals with pediatric beds	29	20	- 9
Health Care Providers			
Pediatricians	68	82	+ 14
Pediatric specialists	39	48	+ 9

Locations of Providers

For many women, infants and children, the distance to health care facilities is a barrier to accessing needed care. About one-half of the population of North Dakota is concentrated in Burleigh, Cass, Grand Forks and Ward counties, and a majority of health care providers live or practice there. (Chart 52)

Chart 52: Number and Percentage of Health Care Providers by County, 2000

	Four Largest Counties*	All Other Counties	State Total	Percentage in Four Largest Counties*
Population				
Children	77,181	83,668	160,849	48%
Women 15-44	75,765	59,409	135,374	56%
Health Care Providers				
Family practice physicians	185	151	336	55%
Pediatric specialists	41	5	46	89%
Pediatricians	65	12	77	84%
OB/GYNs	43	4	47	91%

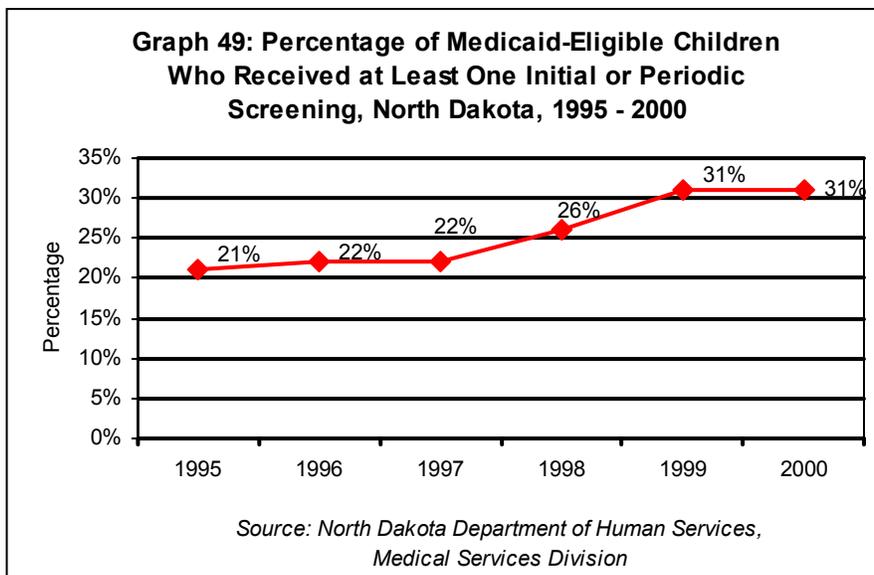
*Burleigh, Cass, Grand Forks and Ward counties

Sources of Financing

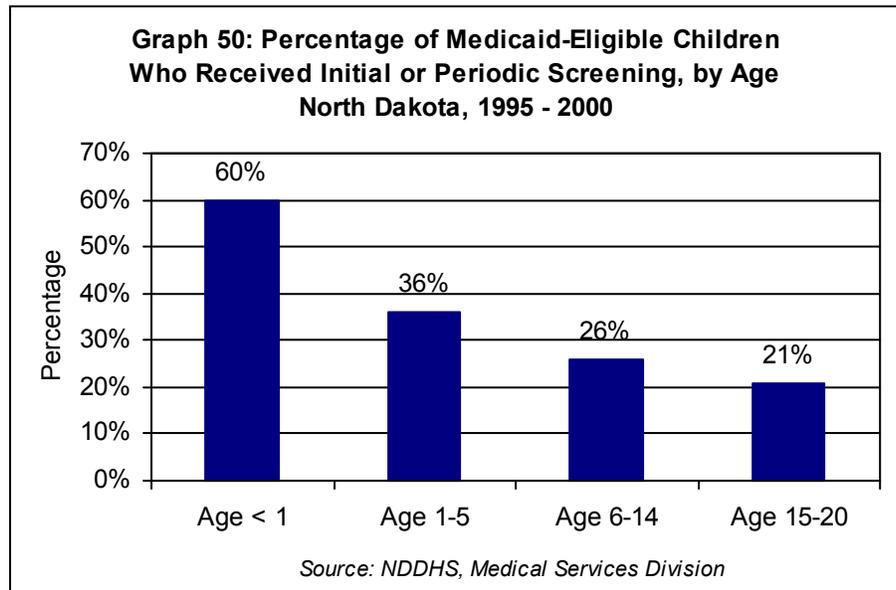
The insurance coverage status of the maternal and child health population is provided in the demographic section of this report. (Page 11) Little information is available about the utilization of health care services by children covered by private insurance; however, the following data provides information about health care utilization for North Dakota children who receive Medicaid services.

More than 30,000 children are eligible for Health Tracks, the state's Medicaid program for children (formerly Early Periodic Screening, Diagnosis and Treatment [EPSDT]). In fact, about one in six North Dakota children younger than 21 are eligible for the program.

The percentage of Medicaid-eligible children who received at least one initial or periodic screening increased from 21 percent in 1995 to 31 percent in 2000. (Graph 49)



Between 1995 and 2000, 60 percent of Medicaid-eligible infants received a screening; however, the percentage of children who receive a screening decreases sharply as children get older. In fact, between 1995 and 2000, only 21 percent of children older than 15 received a screening. (Graph 50)



Racial Health Disparities



Racial Health Disparities

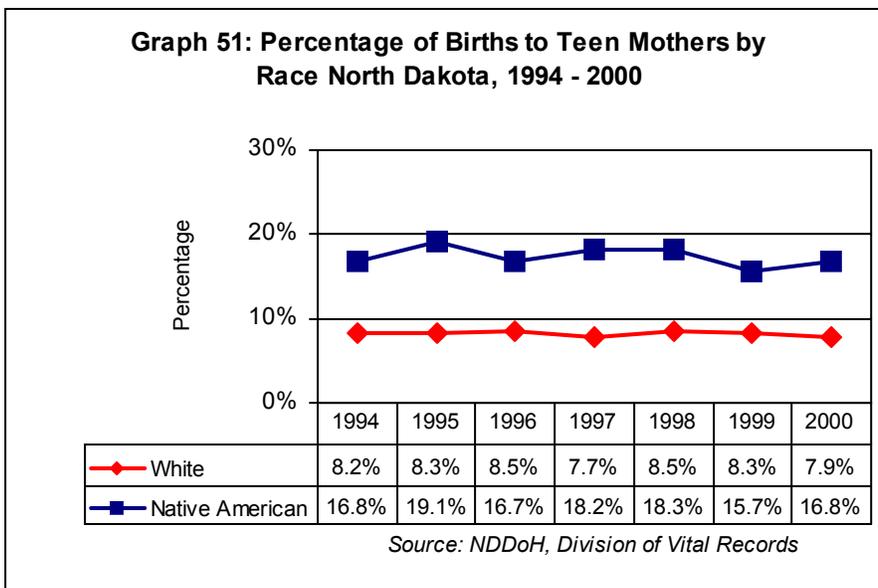
Pregnancy and Childbirth

Births

About 900 babies are born to Native American mothers in North Dakota each year. Between 1990 and 2000, Native American births accounted for about 11 percent of all resident births.

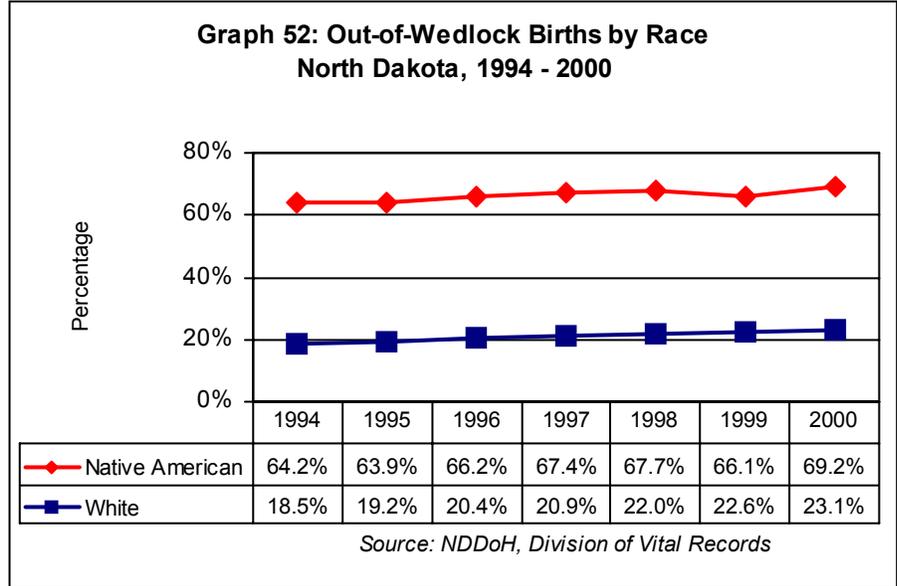
Teen Births

Between 1994 and 2000, more than 20 percent of Native American births were to teenage mothers, compared to less than 10 percent of white births. (Graph 51)



Out-of-Wedlock Births

The percentage of births out of wedlock is about three times higher for Native American mothers than for white mothers. (Graph 52)



Birth Weight

Between 1994 and 2000, Native American infants in North Dakota were slightly more likely to be born low birth weight (LBW) and very low birth weight (VLBW) than were white infants. (Chart 53)

Tobacco and Alcohol Use

Between 1994 and 2000, Native American mothers in North Dakota were more than three times as likely to use tobacco during pregnancy and more than four times as likely to use alcohol than were white mothers. (Chart 54)

Chart 53: Percentage of North Dakota Infants Born LBW and VLBW, by Race, 1994 Through 2000

Infant's Race	LBW	VLBW
Native American	7.3%	1.5%
White	5.7%	1.0%

Source: NDDoH, Division of Vital Records

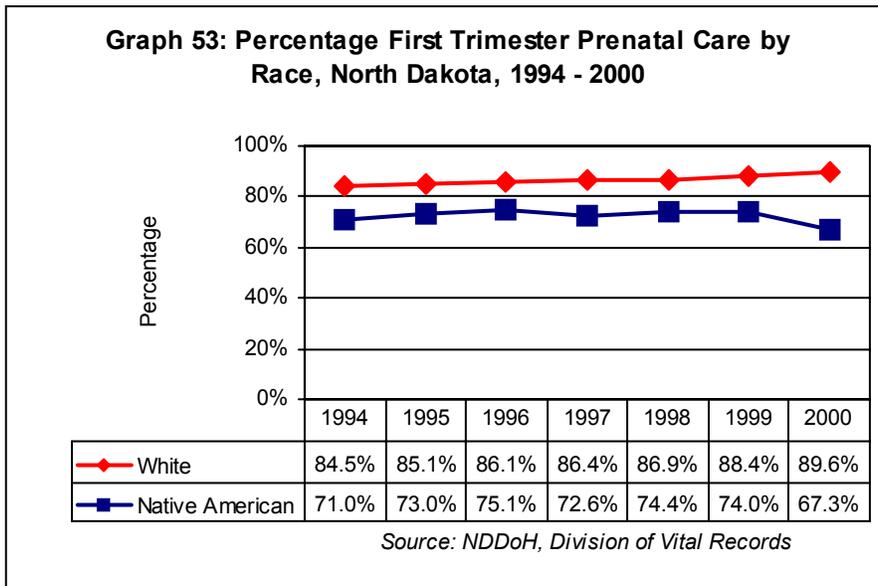
Chart 54: Percentage of North Dakota Women Who Use Tobacco & Alcohol, By Race, 1994 Through 2000

Mother's Race	Tobacco	Alcohol
Native American	39.7%	4.6%
White	16.5%	1.0%

Source: NDDoH, Division of Vital Records

Prenatal Care

Between 1994 and 2000, the percentage of Native American mothers who received first trimester prenatal care increased from 46 percent to 64 percent; however, the rate is still substantially lower than the rate for white mothers. (Graph 53)

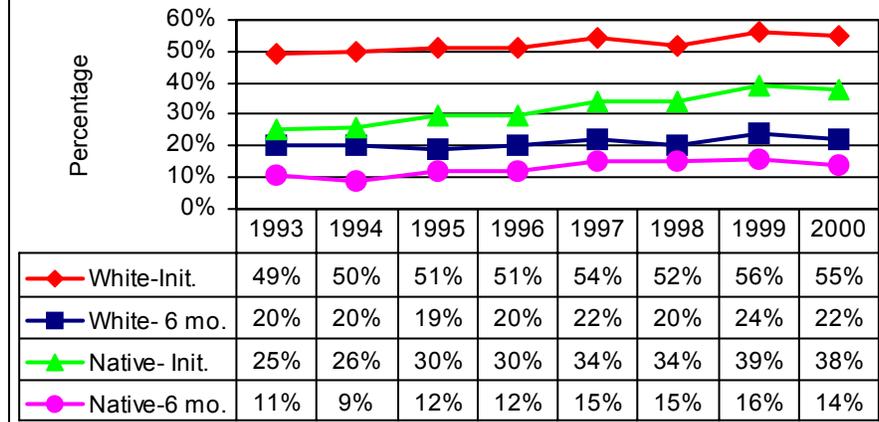


Child Health Status

Breastfeeding Rates

The most reliable source of breastfeeding rates is from data collected through the Special Supplemental Nutrition Program for Women, Infant and Children (WIC). Between 1993 and 2000, the percentage of Native American mothers who breastfed their infants both at the initial newborn screening and at six months after birth has increased, but is still lower than the rate for white mothers. (Graph 54)

**Graph 54: Breastfeeding Rates by Race
North Dakota, 1993 - 2000**

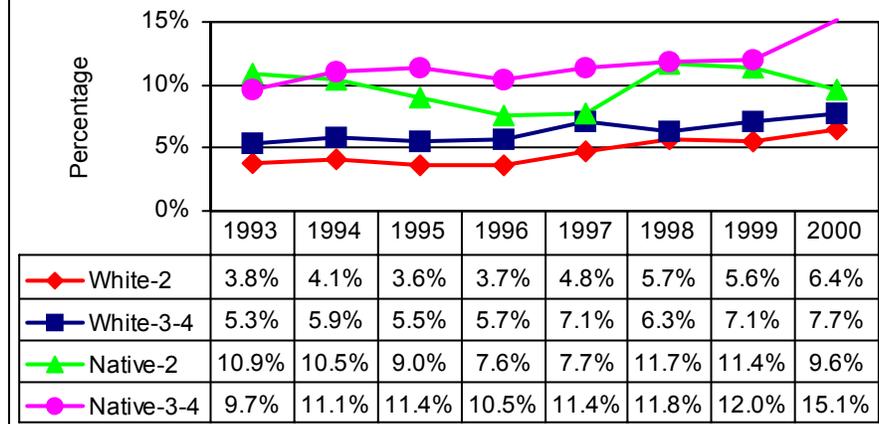


Source: NDDoH, WIC Program

Child Nutrition

The most reliable source of information about the weight and nutritional status of young children is from data collected through the North Dakota WIC Program. Native American children ages 2 through 4 are nearly twice as likely to be overweight (measured as at or above the 95th percentile in weight for height) than are white children. (Graph 55)

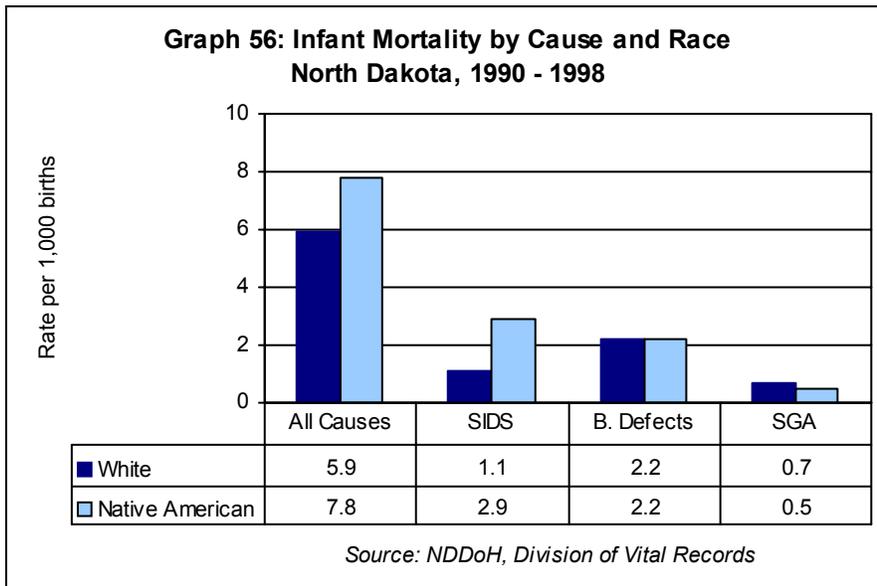
**Graph 55: Percentage of North Dakota Children
Who Are Overweight, by Age and Race, 1993 - 2000**



Source: NDDoH, WIC Program

Infant Mortality

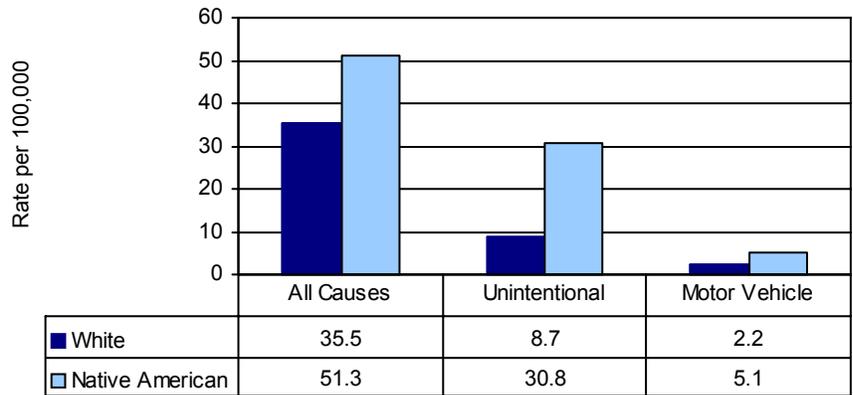
Between 1992 and 1998, the infant mortality rate for Native American infants in North Dakota was 7.8 per 1,000 births, compared to 5.0 for white infants. The infant mortality rate for sudden infant death syndrome (SIDS) was nearly three times higher for Native American infants than for white infants. However, the mortality rate due to birth defects was the same for both races, and infant mortality due to small gestational age (SGA) or prematurity was slightly lower for Native American infants than for white infants. (Graph 56)



Child Mortality

Between 1990 and 1998, mortality rate for Native American children age 1 through 9 was 51.3 per 100,000, compared to 35.5 for white children. In addition, the mortality rate due to unintentional injuries was more than four times higher for Native American children than for white. (Graph 57)

**Graph 57: Child Mortality (Age 1-9)
by Cause and Race, North Dakota, 1990 - 1998**

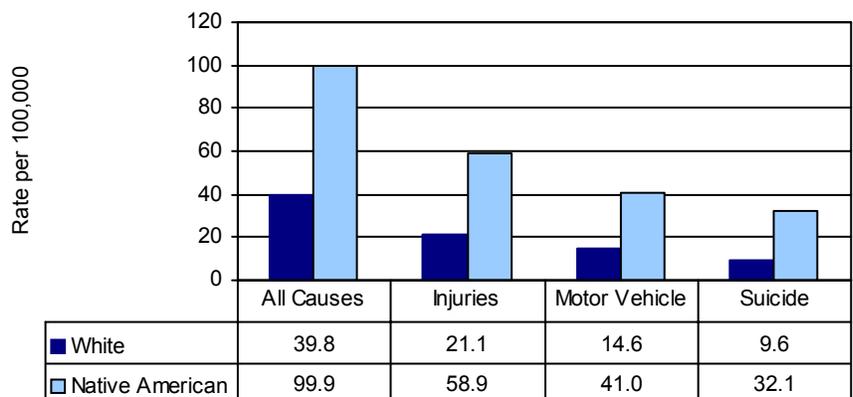


Source: Centers for Disease Control and Prevention

Adolescent Mortality

Between 1990 and 1998, the mortality rate for Native American adolescents age 10 through 19 for all causes, for unintentional injuries including motor vehicle accidents, and for suicide was two to three times higher than the rate for white adolescents in North Dakota. (Graph 58)

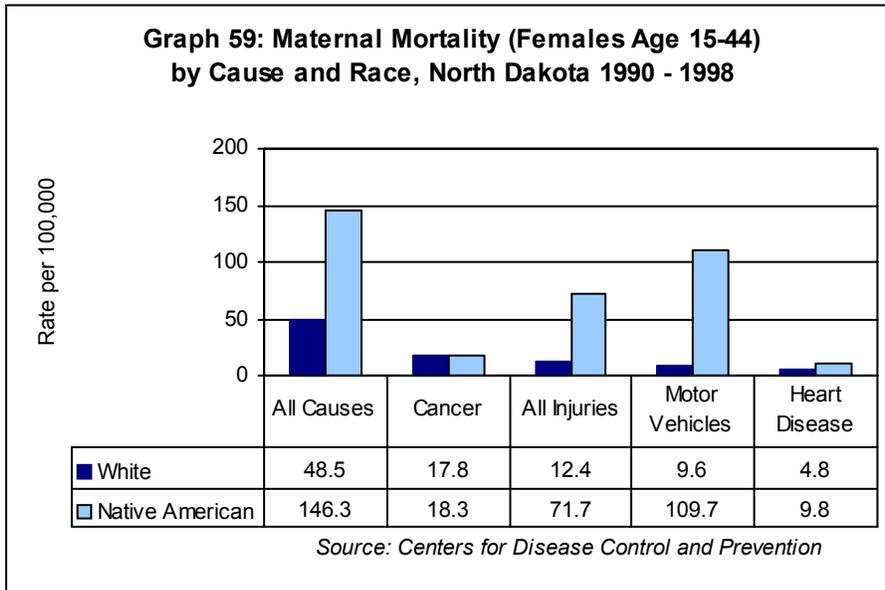
**Graph 58: Adolescent Mortality (Age 10-19)
by Cause and Race, North Dakota, 1990 - 1998**



Source: Centers for Disease Control and Prevention

Maternal Mortality

The mortality rate for Native American females age 15 through 44 is more than three times higher than the rate for white females. The rate due to injuries, including motor vehicle accidents, is several times higher for Native American females than for white; however, the mortality rate due to cancer is nearly the same for both Native American and white females. (Graph 59)





Methods and Explanation



Methods and Explanation

Rates and Populations

All rates expressed are per 1,000 population unless noted otherwise. Population numbers for each of the MCH population groups are annual estimates obtained from the U.S. Census Bureau.

Three-Year Averaging

Because of the low number of many birth and death events in North Dakota, three-year averaging was used for many of the rates presented. The reporting year included the selected calendar year plus the two previous years. For example, rates reported for 1998 included data from 1996, 1997 and 1998.

Birth and Death Statistics

Whenever possible, birth and death statistics were obtained from the North Dakota Department of Health, Division of Vital Records. Some state and all national birth and death data were collected primarily from the two data sources in the Centers for Disease Control and Prevention: CDC Wonder, and the National Center for Health Statistics. On some occasions, state data from Vital Records and the CDC differed slightly. These differences were most often caused by differences in organizational timelines (i.e., an event occurred in North Dakota in 1997 and was recorded by Vital Records as occurring that year; the same event may not have been reported to CDC before their deadline and, therefore, was recorded as a 1998 event).



Tables



Table 1: Child Population by Age and Race

Child Population by Age	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Younger than 1	8,359	8,503	8,452	8,374	8,251	8,092	7,946	7,756	7,692	7,660
1 to 4	37,121	35,877	35,053	34,215	33,257	32,831	32,441	32,186	31,607	31,740
5 to 9	50,049	48,870	47,708	46,974	41,637	44,511	43,430	42,524	41,661	42,982
10 to 14	49,094	50,289	51,348	51,650	51,302	50,602	49,383	48,351	47,541	47,464
15 to 19	45,231	45,827	47,069	48,623	50,217	51,571	52,636	53,337	53,114	53,618
Total	191,845	191,358	189,630	189,836	184,664	187,607	185,836	184,154	181,615	183,464

Child Population by Race	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
White non-Hispanic	172,211	171,203	171,120	169,295	169,811	167,614	165,498	163,109	160,274	161,401
American Indian	12,380	12,778	13,025	13,358	13,659	13,960	14,087	14,453	14,723	14,195
Black	1,480	1,578	1,516	1,464	1,378	1,428	1,309	1,366	1,391	1,575
Asian/Pacific Islander	1,418	1,448	1,578	1,581	1,717	1,817	1,899	2,048	2,016	1,098
Hispanic of any race	2,465	2,392	2,427	2,345	2,624	2,746	3,063	3,125	3,211	3,578

Child Population by Age and Race

White non-Hispanic	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Younger than 1	7,277	7,245	7,193	7,248	7,114	6,922	6,917	6,940	6,519	6,481
1 to 4	32,993	31,695	30,760	29,760	28,674	28,311	27,925	27,646	27,091	27,238
5 to 9	45,533	44,261	43,120	42,349	41,486	39,540	38,249	36,897	36,077	36,077
10 to 14	44,829	45,851	46,723	46,962	46,407	45,593	44,251	42,973	42,209	41,951
15 to 19	41,579	42,151	43,324	42,976	46,130	47,248	48,156	48,653	48,378	48,411
American Indian	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Younger than 1	878	897	849	772	741	746	726	758	760	668
1 to 4	2,721	2,906	3,030	3,177	3,239	3,090	2,942	2,876	2,938	2,652
5 to 9	3,249	3,308	3,277	3,328	3,351	3,572	3,703	3,818	3,872	3,707
10 to 14	3,082	3,211	3,366	3,504	3,607	3,660	3,714	3,790	3,835	3,747
15 to 19	2,450	2,456	2,503	2,577	2,721	2,892	3,002	3,211	3,318	3,421
Black	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Younger than 1	101	89	98	85	60	87	104	105	90	86
1 to 4	415	425	362	325	284	353	265	281	306	356
5 to 9	361	387	386	392	375	313	319	310	332	366
10 to 14	304	341	338	317	302	300	280	300	345	329
15 to 19	299	336	332	345	357	375	341	370	318	438
Asian/Pacific Islander	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Younger than 1	102	105	128	113	139	122	118	126	100	45
1 to 4	257	311	363	413	460	492	515	505	492	245
5 to 9	387	338	359	336	363	430	456	533	552	286
10 to 14	293	312	339	349	378	391	422	457	433	264
15 to 19	379	382	389	370	377	382	388	427	439	258
Hispanic of any race	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Younger than 1	184	170	188	158	200	185	220	209	223	231
1 to 4	560	563	573	584	664	674	756	758	780	839
5 to 9	616	586	578	590	609	651	747	789	828	901
10 to 14	581	569	565	492	550	592	646	673	719	764
15 to 19	524	504	523	521	601	644	694	696	661	843

Source: U.S. Census Bureau; 1991 - 1999 – Estimates; 2000 – Census

Table 2: Maternal Population by Age and Race

Maternal Population by Age	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
20 to 24	23,109	23,008	22,744	22,370	21,945	21,675	21,877	22,127	22,385	25,436
25 to 29	22,990	22,017	21,341	21,076	21,156	21,411	21,029	20,311	19,432	23,672
30 to 34	25,981	25,300	24,564	23,732	22,705	21,743	20,720	19,808	19,217	18,524
35 to 39	24,535	24,769	24,896	24,930	24,838	24,653	24,116	23,340	22,407	18,561
40 to 44	20,804	21,317	22,139	23,022	23,790	24,456	24,720	24,682	24,427	23,323
Total	117,419	116,411	115,684	115,130	114,434	113,938	112,462	110,268	107,868	109,516

Maternal Population by Race	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
White non-Hispanic	109,605	108,425	107,721	107,026	106,241	105,449	104,010	101,927	99,158	100,293
American Indian	5,103	5,127	5,088	5,123	5,054	5,616	5,303	5,330	5,396	5,934
Black	724	762	763	798	763	782	769	795	717	669
Asian/Pacific Islander	961	1,038	1,015	993	1,041	1,113	1,109	1,093	1,056	999
Hispanic of any race	1,027	1,071	1,129	1,154	1,315	1,435	1,432	1,474	1,541	1,450

Maternal Population by Age and Race

White non-Hispanic	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
20 to 24	21,112	20,932	20,761	20,349	20,004	19,566	19,723	19,984	20,190	21,419
25 to 29	21,137	20,181	19,461	19,268	19,289	19,417	19,013	18,401	17,407	16,717
30 to 34	24,343	23,664	22,939	22,023	20,984	20,097	19,254	18,226	17,604	16,758
35 to 39	23,198	23,414	23,550	23,553	23,371	23,181	22,610	21,908	20,867	21,460
40 to 44	19,815	20,234	21,010	21,833	22,593	23,188	23,410	23,408	23,090	23,939
American Indian	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
20 to 24	1,238	1,259	1,220	1,129	1,031	1,088	1,183	1,249	1,332	1,361
25 to 29	1,194	1,152	1,140	1,145	1,107	1,227	1,190	1,163	1,123	1,097
30 to 34	1,095	1,107	1,079	1,119	1,101	1,053	1,020	1,022	1,005	1,170
35 to 39	899	887	901	932	993	1,386	1,006	955	1,009	1,257
40 to 44	677	722	748	798	822	862	904	941	927	1,049
Black	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
20 to 24	228	204	181	232	182	241	249	268	185	238
25 to 29	220	193	213	184	201	179	176	176	212	141
30 to 34	135	157	165	190	203	148	130	132	151	96
35 to 39	107	138	120	96	95	122	120	134	124	111
40 to 44	34	70	84	96	82	92	94	85	45	83
Asian/Pacific Islander	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
20 to 24	221	250	259	296	283	309	243	239	240	175
25 to 29	194	219	209	195	240	269	325	295	292	232
30 to 34	205	201	174	161	174	194	215	226	203	243
35 to 39	172	189	193	168	177	163	156	166	150	201
40 to 44	169	179	180	173	167	178	170	167	171	148
Hispanic of any race	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
20 to 24	309	364	325	348	430	473	473	449	438	421
25 to 29	243	277	326	281	324	340	287	340	398	342
30 to 34	207	178	219	242	254	278	307	272	254	251
35 to 39	159	147	139	174	199	209	231	253	257	252
40 to 44	109	105	120	109	108	135	134	160	194	184

Source: U.S. Census Bureau; 1991 - 1999 – Estimates; 2000 – Census

Table 3: Child Population Younger Than 18 by Race and County - 2000

County	Total	White		Black		Am. Indian		Asian		Pac. Island		Other Race		2+ Races		Hispanic	
		Num	Pct	Num	Pct	Num	Pct	Num	Pct	Num	Pct	Num	Pct	Num	Pct	Num	Pct
Adams	601	591	98.3%	2	0.3%	1	0.2%	0	0.0%	0	0.0%	2	0.3%	5	0.8%	3	0.5%
Barnes	2,624	2,526	96.3%	19	0.7%	40	1.5%	3	0.1%	0	0.0%	5	0.2%	31	1.2%	18	0.7%
Benson	2,513	826	32.9%	4	0.2%	1,657	65.9%	1	0.0%	0	0.0%	5	0.2%	20	0.8%	29	1.2%
Billings	221	216	97.7%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	5	2.3%	1	0.5%
Bottineau	1,587	1,494	94.1%	11	0.7%	41	2.6%	4	0.3%	0	0.0%	4	0.3%	33	2.1%	14	0.9%
Bowman	780	765	98.1%	0	0.0%	0	0.0%	1	0.1%	0	0.0%	2	0.3%	12	1.5%	10	1.3%
Burke	467	458	98.1%	2	0.4%	3	0.6%	0	0.0%	0	0.0%	0	0.0%	4	0.9%	4	0.9%
Burleigh	17,175	15,753	91.7%	57	0.3%	925	5.4%	85	0.5%	5	0.1%	32	0.2%	314	1.8%	168	1.0%
Cass	28,848	26,644	92.4%	391	1.4%	415	1.4%	406	1.4%	13	0.1%	191	0.7%	788	2.7%	604	2.1%
Cavalier	1,188	1,143	96.2%	3	0.3%	9	0.8%	3	0.3%	0	0.0%	3	0.3%	27	2.3%	17	1.4%
Dickey	1,369	1,310	95.7%	3	0.2%	9	0.7%	13	0.9%	8	0.0%	15	1.1%	19	1.4%	30	2.2%
Divide	462	450	97.4%	0	0.0%	2	0.4%	5	1.1%	0	0.0%	2	0.4%	3	0.6%	5	1.1%
Dunn	986	791	80.2%	0	0.0%	176	17.8%	1	0.1%	0	0.0%	0	0.0%	18	1.8%	8	0.8%
Eddy	651	605	92.9%	1	0.2%	24	3.7%	2	0.3%	0	0.2%	3	0.5%	15	2.3%	9	1.4%
Emmons	1,075	1,060	98.6%	0	0.0%	1	0.1%	2	0.2%	5	0.5%	5	0.5%	2	0.2%	17	1.6%
Foster	985	962	97.7%	4	0.4%	9	0.9%	0	0.0%	0	0.0%	1	0.1%	9	0.9%	2	0.2%
G. Valley	545	514	94.3%	0	0.0%	12	2.2%	0	0.0%	5	0.0%	5	0.9%	14	2.6%	16	2.9%
G. Forks	15,735	14,036	89.2%	277	1.8%	580	3.7%	114	0.7%	8	0.1%	167	1.1%	553	3.5%	520	3.3%
Grant	666	610	91.6%	0	0.0%	32	4.8%	7	1.1%	0	0.0%	8	1.2%	9	1.4%	12	1.8%
Griggs	621	613	98.7%	0	0.0%	2	0.3%	1	0.2%	3	0.0%	3	0.5%	2	0.3%	6	1.0%
Hettinger	634	620	97.8%	3	0.5%	5	0.8%	0	0.0%	0	0.0%	0	0.0%	6	0.9%	1	0.2%
Kidder	638	632	99.1%	4	0.6%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	2	0.3%	7	1.1%
LaMoure	1,138	1,121	98.5%	1	0.1%	3	0.3%	3	0.3%	0	0.0%	2	0.2%	8	0.7%	14	1.2%
Logan	522	512	98.1%	2	0.4%	1	0.2%	3	0.6%	0	0.0%	1	0.2%	3	0.6%	4	0.8%
McHenry	1,434	1,405	98.0%	0	0.0%	7	0.5%	0	0.0%	0	0.0%	1	0.1%	21	1.5%	7	0.5%
McIntosh	656	638	97.3%	0	0.0%	1	0.2%	4	0.6%	0	0.0%	2	0.3%	11	1.7%	7	1.1%
McKenzie	1,756	1,148	65.4%	2	0.1%	576	32.8%	0	0.0%	0	0.0%	0	0.0%	30	1.7%	30	1.7%
McLean	2,212	1,934	87.4%	2	0.1%	213	9.6%	5	0.2%	0	0.0%	9	0.4%	49	2.2%	43	1.9%
Mercer	2,513	2,352	93.6%	2	0.1%	66	2.6%	10	0.4%	9	1.4%	2	0.1%	55	2.2%	15	0.6%
Morton	6,823	6,331	92.8%	22	0.3%	256	3.8%	11	0.2%	2	0.1%	16	0.2%	185	2.7%	77	1.1%
Mountrail	1,860	947	50.9%	3	0.2%	816	43.9%	4	0.2%	1	0.1%	10	0.5%	79	4.2%	62	3.3%
Nelson	820	798	97.3%	1	0.1%	3	0.4%	2	0.2%	0	0.0%	2	0.2%	14	1.7%	4	0.5%
Oliver	566	553	97.7%	1	0.2%	5	0.9%	2	0.4%	0	0.0%	0	0.0%	5	0.9%	9	1.6%
Pembina	2,140	2,000	93.5%	2	0.1%	26	1.2%	7	0.3%	0	0.0%	50	2.3%	55	2.6%	111	5.2%
Pierce	1,115	1,088	97.6%	5	0.4%	12	1.1%	3	0.3%	0	0.0%	1	0.1%	6	0.5%	12	1.1%
Ramsey	3,019	2,638	87.4%	9	0.3%	252	8.3%	6	0.2%	3	0.2%	9	0.3%	102	3.4%	34	1.1%
Ransom	1,471	1,414	96.1%	5	0.3%	4	0.3%	4	0.3%	0	0.0%	15	1.0%	29	2.0%	26	1.8%
Renville	609	590	96.9%	2	0.3%	4	0.7%	3	0.5%	1	0.0%	0	0.0%	10	1.6%	10	1.6%
Richland	4,437	4,243	95.6%	17	0.4%	94	2.1%	13	0.3%	4	0.1%	9	0.2%	57	1.3%	47	1.1%
Rolette	4,985	752	15.1%	2	0.0%	4131	82.9%	2	0.0%	0	0.0%	2	0.0%	96	1.9%	67	1.3%
Sargent	1,155	1,121	97.1%	1	0.1%	13	1.1%	1	0.1%	3	0.0%	13	1.1%	6	0.5%	12	1.0%
Sheridan	366	358	97.8%	2	0.5%	4	1.1%	0	0.0%	0	0.0%	1	0.3%	1	0.3%	1	0.3%
Sioux	1,630	126	7.7%	0	0.0%	1486	91.2%	0	0.0%	1	0.1%	0	0.0%	17	1.0%	37	2.3%
Slope	194	193	99.5%	0	0.0%	0	0.0%	0	0.0%	1	0.0%	0	0.0%	1	0.5%	0	0.0%
Stark	5,781	5,548	96.0%	20	0.3%	81	1.4%	17	0.3%	0	0.0%	24	0.4%	91	1.6%	87	1.5%
Steele	624	610	97.8%	0	0.0%	3	0.5%	1	0.2%	0	0.0%	4	0.6%	6	1.0%	3	0.5%
Stutsman	5,005	4,836	96.6%	17	0.3%	41	0.8%	22	0.4%	1	0.1%	11	0.2%	76	1.5%	66	1.3%
Towner	708	687	97.0%	1	0.1%	14	2.0%	0	0.0%	0	0.0%	0	0.0%	6	0.8%	2	0.3%
Traill	2,104	2,002	95.2%	2	0.1%	41	1.9%	3	0.1%	1	0.0%	32	1.5%	23	1.1%	84	4.0%
Walsh	3,091	2,829	91.5%	16	0.5%	39	1.3%	2	0.1%	2	0.1%	134	4.3%	69	2.2%	314	10.2%
Ward	15,423	13,749	89.1%	385	2.5%	466	3.0%	112	0.7%	8	0.1%	131	0.8%	572	3.7%	429	2.8%
Wells	1,149	1,133	98.6%	6	0.5%	6	0.5%	3	0.3%	0	0.0%	0	0.0%	1	0.1%	6	0.5%
Williams	5,172	4,596	88.9%	5	0.1%	297	5.7%	12	0.2%	4	0.0%	12	0.2%	249	4.8%	82	1.6%
N. Dakota	160,849	140,871	87.6%	1,314	0.8%	12,904	8.0%	903	0.6%	87	0.1%	946	0.6%	3,824	2.4%	3,203	2.0%

Source: U.S. Census Bureau - 2000

Table 4: Female Population Age 20 - 44 by Race and County - 2000

County	Total	White		Black		Am. Indian		Asian		Pac. Island		Other Race		2+ Races		Hispanic	
		Num	Pct	Num	Pct	Num	Pct	Num	Pct	Num	Pct	Num	Pct	Num	Pct	Num	Pct
Adams	318	311	97.8%	3	0.9%	2	0.6%	1	0.3%	0	0.0%	1	0.3%	5	0.8%	3	0.5%
Barnes	1,736	1,700	97.9%	8	0.5%	15	0.9%	5	0.3%	0	0.0%	2	0.1%	31	1.2%	18	0.7%
Benson	941	402	42.7%	0	0.0%	529	56.2%	0	0.0%	0	0.0%	2	0.2%	20	0.8%	29	1.2%
Billings	128	126	98.4%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	5	2.3%	1	0.5%
Bottineau	885	855	96.6%	0	0.0%	23	2.6%	1	0.1%	0	0.0%	2	0.2%	33	2.1%	14	0.9%
Bowman	430	425	98.8%	0	0.0%	1	0.2%	0	0.0%	0	0.0%	2	0.5%	12	1.5%	10	1.3%
Burke	245	242	98.8%	0	0.0%	1	0.4%	1	0.4%	0	0.0%	0	0.0%	4	0.9%	4	0.9%
Burleigh	12,625	11,949	94.6%	15	0.1%	485	3.8%	67	0.5%	7	0.1%	28	0.2%	314	1.8%	168	1.0%
Cass	25,911	24,644	95.1%	156	0.6%	331	1.3%	394	1.5%	9	0.0%	117	0.5%	788	2.7%	604	2.1%
Cavalier	531	517	97.4%	0	0.0%	5	0.9%	1	0.2%	0	0.0%	0	0.0%	27	2.3%	17	1.4%
Dickey	851	825	96.9%	0	0.0%	6	0.7%	7	0.8%	0	0.0%	8	0.9%	19	1.4%	30	2.2%
Divide	232	229	98.7%	0	0.0%	0	0.0%	2	0.9%	0	0.0%	1	0.4%	3	0.6%	5	1.1%
Dunn	469	395	84.2%	0	0.0%	72	15.4%	0	0.0%	0	0.0%	0	0.0%	18	1.8%	8	0.8%
Eddy	353	341	96.6%	0	0.0%	10	2.8%	0	0.0%	0	0.0%	1	0.3%	15	2.3%	9	1.4%
Emmons	503	492	97.8%	0	0.0%	3	0.6%	1	0.2%	2	0.4%	4	0.8%	2	0.2%	17	1.6%
Foster	534	530	99.3%	0	0.0%	3	0.6%	0	0.0%	0	0.0%	1	0.2%	9	0.9%	2	0.2%
G. Valley	257	254	98.8%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	1	0.4%	14	2.6%	16	2.9%
G. Forks	13,413	12,374	92.3%	182	1.4%	394	2.9%	192	1.4%	12	0.1%	102	0.8%	553	3.5%	520	3.3%
Grant	301	295	98.0%	0	0.0%	4	1.3%	0	0.0%	0	0.0%	1	0.3%	9	1.4%	12	1.8%
Griggs	303	301	99.3%	0	0.0%	0	0.0%	1	0.3%	0	0.0%	1	0.3%	2	0.3%	6	1.0%
Hettinger	295	293	99.3%	0	0.0%	0	0.0%	1	0.3%	0	0.0%	0	0.0%	6	0.9%	1	0.2%
Kidder	334	332	99.4%	0	0.0%	2	0.6%	0	0.0%	0	0.0%	0	0.0%	2	0.3%	7	1.1%
LaMoure	574	568	99.0%	0	0.0%	1	0.2%	3	0.5%	0	0.0%	0	0.0%	8	0.7%	14	1.2%
Logan	246	246	100.0	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	3	0.6%	4	0.8%
McHenry	769	757	98.4%	1	0.1%	4	0.5%	1	0.1%	0	0.0%	0	0.0%	21	1.5%	7	0.5%
McIntosh	351	346	98.6%	0	0.0%	1	0.3%	1	0.3%	0	0.0%	1	0.3%	11	1.7%	7	1.1%
McKenzie	774	562	72.6%	1	0.1%	196	25.3%	1	0.1%	0	0.0%	2	0.3%	30	1.7%	30	1.7%
McLean	1,197	1,075	89.8%	0	0.0%	96	8.0%	2	0.2%	0	0.0%	3	0.3%	49	2.2%	43	1.9%
Mercer	1,288	1,234	95.8%	0	0.0%	34	2.6%	3	0.2%	5	0.4%	4	0.3%	55	2.2%	15	0.6%
Morton	4,191	3,995	95.3%	1	0.0%	128	3.1%	18	0.4%	0	0.0%	7	0.2%	185	2.7%	77	1.1%
Mountrail	909	521	57.3%	0	0.0%	360	39.6%	2	0.2%	0	0.0%	2	0.2%	79	4.2%	62	3.3%
Nelson	407	400	98.3%	0	0.0%	2	0.5%	2	0.5%	0	0.0%	0	0.0%	14	1.7%	4	0.5%
Oliver	262	254	96.9%	1	0.4%	4	1.5%	0	0.0%	0	0.0%	0	0.0%	5	0.9%	9	1.6%
Pembina	1,142	1,068	93.5%	1	0.1%	31	2.7%	4	0.4%	0	0.0%	16	1.4%	55	2.6%	111	5.2%
Pierce	603	594	98.5%	0	0.0%	3	0.5%	3	0.5%	0	0.0%	0	0.0%	6	0.5%	12	1.1%
Ramsey	1822	1,645	90.3%	4	0.2%	128	7.0%	10	0.5%	0	0.0%	2	0.1%	102	3.4%	34	1.1%
Ransom	822	797	97.0%	1	0.1%	5	0.6%	6	0.7%	0	0.0%	2	0.2%	29	2.0%	26	1.8%
Renville	335	323	96.4%	1	0.3%	4	1.2%	2	0.6%	0	0.0%	1	0.3%	10	1.6%	10	1.6%
Richland	2,769	2,661	96.1%	0	0.0%	80	2.9%	8	0.3%	0	0.0%	2	0.1%	57	1.3%	47	1.1%
Rolette	2,288	466	20.4%	1	0.0%	1,776	77.6%	1	0.0%	0	0.0%	5	0.2%	96	1.9%	67	1.3%
Sargent	567	554	97.7%	0	0.0%	2	0.4%	0	0.0%	0	0.0%	4	0.7%	6	0.5%	12	1.0%
Sheridan	186	185	99.5%	0	0.0%	1	0.5%	0	0.0%	0	0.0%	0	0.0%	1	0.3%	1	0.3%
Sioux	688	85	12.4%	0	0.0%	599	87.1%	0	0.0%	1	0.1%	0	0.0%	17	1.0%	37	2.3%
Slope	96	95	99.0%	0	0.0%	1	1.0%	0	0.0%	0	0.0%	0	0.0%	1	0.5%	0	0.0%
Stark	3,848	3,747	97.4%	2	0.1%	43	1.1%	12	0.3%	1	0.0%	18	0.5%	91	1.6%	87	1.5%
Steele	275	266	96.7%	0	0.0%	3	1.1%	0	0.0%	0	0.0%	1	0.4%	6	1.0%	3	0.5%
Stutsman	3,502	3,399	97.1%	6	0.2%	48	1.4%	18	0.5%	4	0.1%	8	0.2%	76	1.5%	66	1.3%
Towner	361	342	94.7%	0	0.0%	16	4.4%	0	0.0%	0	0.0%	0	0.0%	6	0.8%	2	0.3%
Traill	1,239	1,199	96.8%	1	0.1%	15	1.2%	3	0.2%	0	0.0%	13	1.0%	23	1.1%	84	4.0%
Walsh	1,740	1,633	93.9%	3	0.2%	28	1.6%	4	0.2%	0	0.0%	55	3.2%	69	2.2%	314	10.2%
Ward	11,035	10,069	91.2%	275	2.5%	265	2.4%	163	1.5%	10	0.1%	107	1.0%	572	3.7%	429	2.8%
Wells	628	619	98.6%	0	0.0%	4	0.6%	3	0.5%	0	0.0%	0	0.0%	1	0.1%	6	0.5%
Williams	3,007	2,756	91.7%	6	0.2%	170	5.7%	8	0.3%	0	0.0%	6	0.2%	249	4.8%	82	1.6%
N. Dakota	109,516	100,293	91.6%	669	0.6%	5,934	5.4%	952	0.9%	51	0.0%	533	0.5%	3,824	2.4%	3,203	2.0%

Source: U.S. Census Bureau

Table 5: Children Ages 5 Through 17 in Poverty by County

County	1989		1993		1995		1997	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Adams	83	13.8%	60	10.8%	67	13.0%	81	16.4%
Barnes	392	17.0%	372	16.8%	346	16.6%	356	17.1%
Benson	716	40.5%	661	38.4%	624	37.5%	623	35.8%
Billings	114	41.0%	52	17.5%	54	19.4%	43	17.1%
Bottineau	231	14.8%	204	13.2%	208	14.5%	209	15.2%
Bowman	114	14.7%	96	13.5%	92	13.7%	89	13.5%
Burke	87	14.5%	71	13.9%	73	15.9%	62	15.3%
Burleigh	1,151	9.4%	1,304	9.8%	1,295	10.0%	1,327	10.4%
Cass	1,531	8.6%	1,882	9.5%	1,864	9.7%	1,890	9.6%
Cavalier	160	13.2%	140	12.5%	134	13.5%	153	16.8%
Dickey	208	18.1%	209	18.0%	181	17.3%	190	18.2%
Divide	52	9.6%	58	12.6%	61	14.8%	66	17.4%
Dunn	215	23.2%	148	16.8%	151	18.5%	163	21.2%
Eddy	90	15.9%	62	11.0%	68	12.7%	90	16.8%
Emmons	181	19.4%	145	16.0%	160	19.1%	158	20.6%
Foster	106	12.9%	111	13.9%	111	14.9%	115	15.8%
Golden Valley	73	15.5%	49	11.3%	61	15.0%	70	18.8%
Grand Forks	1,443	11.7%	1,614	12.4%	1,508	12.3%	1,517	13.2%
Grant	244	33.3%	163	24.4%	158	26.0%	168	30.6%
Griggs	94	14.4%	92	15.1%	94	17.0%	101	19.2%
Hettinger	146	21.8%	106	17.5%	103	18.6%	94	18.3%
Kidder	162	23.4%	131	19.2%	126	20.3%	129	22.5%
LaMoure	191	16.9%	152	14.1%	148	14.9%	147	15.7%
Logan	127	23.8%	84	17.1%	87	19.8%	90	21.5%
McHenry	301	19.0%	231	17.4%	226	18.1%	250	20.8%
McIntosh	144	21.8%	103	16.9%	106	19.1%	119	24.5%
McKenzie	412	26.9%	295	21.0%	325	24.4%	330	25.4%
McLean	302	12.9%	277	12.1%	275	12.7%	293	14.0%
Mercer	158	6.8%	154	6.8%	152	7.1%	172	8.1%
Morton	764	14.4%	710	13.1%	682	13.1%	795	15.7%
Mountrail	327	20.8%	300	19.7%	285	19.5%	311	21.7%
Nelson	106	13.3%	101	13.6%	90	13.5%	90	14.6%
Oliver	69	11.6%	55	9.3%	69	12.3%	76	13.8%
Pembina	232	11.9%	215	11.5%	205	11.6%	217	12.8%
Pierce	162	15.8%	134	13.8%	131	14.4%	158	17.5%
Ramsey	329	13.4%	418	16.9%	395	17.1%	420	19.0%
Ransom	137	11.9%	118	10.2%	109	10.0%	114	10.5%
Renville	102	14.9%	59	9.1%	68	11.4%	76	13.1%
Richland	464	13.5%	444	12.7%	415	12.7%	430	13.2%
Rolette	1,983	58.8%	1,590	42.8%	1,594	41.8%	1,358	34.3%
Sargent	93	10.0%	82	8.8%	92	10.5%	88	10.1%
Sheridan	125	32.4%	79	22.0%	77	24.4%	83	29.7%
Sioux	651	55.0%	549	44.5%	617	48.4%	557	41.7%
Slope	52	24.4%	29	14.2%	30	15.5%	29	14.9%
Stark	753	15.2%	776	15.3%	723	15.3%	716	15.5%
Steele	61	13.0%	49	10.7%	50	11.7%	73	17.8%
Stutsman	602	14.0%	565	13.5%	567	14.6%	562	15.3%
Towner	129	18.8%	96	14.9%	101	71.2%	106	19.1%
Traill	202	12.0%	220	12.9%	214	13.3%	211	13.0%
Walsh	505	18.0%	431	16.2%	443	16.5%	481	18.3%
Ward	1,393	12.6%	1,681	14.6%	1,503	13.3%	1,579	14.5%
Wells	211	19.8%	158	15.9%	153	16.6%	158	17.8%
Williams	570	12.0%	747	16.1%	711	16.1%	665	15.7%
North Dakota	19,251	15.2%	18,632	14.4%	18,182	14.7%	18,448	15.3%

Source: Current Population Survey, U.S. Census Bureau

Table 6: Children Younger Than 18 in Poverty by County

County	1989		1993		1995		1997	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Adams	119	14.1%	95	13.0%	109	15.8%	119	18.1%
Barnes	609	19.1%	552	18.9%	528	18.8%	520	18.6%
Benson	1,141	45.7%	949	39.1%	892	37.8%	932	38.5%
Billings	170	46.3%	66	17.8%	62	17.4%	46	14.0%
Bottineau	358	17.3%	289	14.8%	286	15.4%	305	17.2%
Bowman	166	16.1%	126	13.9%	129	14.7%	117	13.7%
Burke	124	16.5%	100	16.1%	109	19.0%	85	17.0%
Burleigh	1,959	11.5%	2,149	12.1%	1,988	11.3%	2,148	12.3%
Cass	2,650	10.2%	3,105	11.4%	2,981	11.0%	3,178	11.5%
Cavalier	244	14.5%	201	13.7%	204	15.4%	222	18.3%
Dickey	310	20.1%	293	20.0%	263	19.4%	267	19.7%
Divide	85	12.0%	82	13.7%	88	15.9%	93	18.3%
Dunn	306	24.0%	206	17.7%	220	20.0%	218	21.2%
Eddy	136	17.9%	90	12.7%	98	14.2%	137	19.8%
Emmons	252	19.8%	193	16.6%	230	21.0%	215	21.5%
Foster	160	14.3%	152	14.6%	158	15.9%	157	16.1%
Golden Valley	115	18.8%	68	12.4%	87	16.7%	96	20.0%
Grand Forks	2,522	13.5%	2,633	14.2%	2,385	13.3%	2,353	14.1%
Grant	354	36.2%	214	25.3%	216	27.5%	239	33.7%
Griggs	150	17.1%	128	16.4%	137	19.1%	142	20.7%
Hettinger	205	22.0%	146	18.4%	152	20.6%	130	18.9%
Kidder	235	25.6%	175	20.6%	179	22.6%	174	23.7%
LaMoure	284	19.0%	202	14.8%	207	16.2%	188	15.5%
Logan	188	26.1%	113	17.9%	124	21.4%	123	22.4%
McHenry	443	24.5%	325	19.6%	332	20.8%	368	24.0%
McIntosh	208	23.0%	137	17.3%	151	20.6%	179	27.8%
McKenzie	671	31.2%	435	22.6%	439	23.5%	464	25.8%
McLean	468	15.1%	423	14.7%	418	15.1%	425	15.9%
Mercer	248	7.6%	233	7.7%	224	7.6%	246	8.5%
Morton	1,206	16.6%	1,084	15.3%	1,031	14.8%	1,240	18.3%
Mountrail	508	23.9%	434	21.3%	435	22.0%	463	24.0%
Nelson	155	14.7%	134	14.3%	124	14.5%	120	15.1%
Oliver	98	12.5%	77	10.6%	97	13.7%	97	14.1%
Pembina	371	14.1%	315	13.0%	297	12.7%	329	14.7%
Pierce	236	17.9%	188	15.7%	194	16.8%	233	20.4%
Ramsey	559	16.6%	618	18.8%	590	18.7%	658	22.0%
Ransom	209	13.6%	178	12.1%	164	11.6%	157	11.1%
Renville	144	16.4%	81	10.1%	90	12.0%	102	13.8%
Richland	807	16.7%	693	14.8%	618	13.8%	649	14.6%
Rolette	3,206	66.9%	2,303	45.3%	2,175	39.7%	2,012	36.2%
Sargent	143	11.4%	120	10.1%	135	11.9%	123	10.9%
Sheridan	191	35.9%	116	24.7%	115	27.5%	122	32.8%
Sioux	1,042	62.3%	762	43.5%	773	42.7%	753	40.8%
Slope	73	25.9%	40	15.9%	38	15.7%	34	14.1%
Stark	1,171	17.1%	1,114	16.7%	1,035	16.3%	1,051	17.0%
Steele	89	13.7%	71	11.7%	78	13.5%	113	20.3%
Stutsman	990	16.8%	875	15.9%	845	16.3%	854	17.3%
Towner	195	19.6%	144	16.8%	155	19.3%	146	19.3%
Traill	348	15.3%	318	14.6%	288	13.7%	299	14.1%
Walsh	789	20.5%	625	18.0%	653	18.2%	719	20.4%
Ward	2,466	15.0%	2,589	16.1%	2,277	14.1%	2,451	15.7%
Wells	310	21.0%	219	16.9%	220	18.0%	225	19.1%
Williams	921	14.3%	1,078	17.8%	1,017	17.4%	976	17.5%
North Dakota	31,163	17.5%	28,256	16.2%	26,838	15.9%	27,807	16.8%

Source: U.S. Census Bureau, Current Population Survey

Table 7: Estimated Median Household Income by County

County	1989	1993	1995	1997
Adams	\$ 20.937	\$ 25.707	\$ 25.551	\$ 27.346
Barnes	\$ 20.984	\$ 25.397	\$ 27.385	\$ 29.588
Benson	\$ 16.868	\$ 19.379	\$ 21.021	\$ 21.833
Billings	\$ 28.496	\$ 31.330	\$ 27.039	\$ 29.541
Bottineau	\$ 22.365	\$ 27.508	\$ 28.570	\$ 30.156
Bowman	\$ 22.797	\$ 28.099	\$ 27.465	\$ 31.058
Burke	\$ 19.360	\$ 24.680	\$ 26.569	\$ 28.783
Burleigh	\$ 29.278	\$ 34.298	\$ 38.025	\$ 39.664
Cass	\$ 27.912	\$ 33.081	\$ 35.953	\$ 38.871
Cavalier	\$ 21.853	\$ 28.069	\$ 28.336	\$ 31.223
Dickey	\$ 20.751	\$ 25.590	\$ 24.953	\$ 28.090
Divide	\$ 20.499	\$ 25.839	\$ 28.434	\$ 29.291
Dunn	\$ 19.203	\$ 24.618	\$ 25.021	\$ 25.257
Eddy	\$ 19.537	\$ 23.865	\$ 24.197	\$ 26.181
Emmons	\$ 18.282	\$ 21.505	\$ 20.893	\$ 23.504
Foster	\$ 21.522	\$ 26.625	\$ 27.187	\$ 30.678
Golden Valley	\$ 21.728	\$ 26.365	\$ 24.927	\$ 26.669
Grand Forks	\$ 25.685	\$ 30.874	\$ 32.161	\$ 35.959
Grant	\$ 15.937	\$ 19.873	\$ 19.183	\$ 20.257
Griggs	\$ 19.877	\$ 25.122	\$ 25.108	\$ 28.108
Hettinger	\$ 17.699	\$ 24.592	\$ 26.317	\$ 28.249
Kidder	\$ 19.234	\$ 21.760	\$ 20.907	\$ 23.779
LaMoure	\$ 21.057	\$ 26.144	\$ 26.936	\$ 28.985
Logan	\$ 17.436	\$ 22.740	\$ 22.097	\$ 23.910
McHenry	\$ 17.844	\$ 22.727	\$ 23.016	\$ 24.851
McIntosh	\$ 16.762	\$ 20.711	\$ 20.558	\$ 23.018
McKenzie	\$ 25.317	\$ 30.583	\$ 29.587	\$ 32.034
McLean	\$ 22.848	\$ 28.353	\$ 29.442	\$ 32.129
Mercer	\$ 33.372	\$ 39.379	\$ 44.264	\$ 47.215
Morton	\$ 23.959	\$ 28.880	\$ 31.639	\$ 32.755
Mountrail	\$ 20.503	\$ 24.825	\$ 26.823	\$ 27.543
Nelson	\$ 16.366	\$ 24.611	\$ 23.537	\$ 25.831
Oliver	\$ 28.602	\$ 32.193	\$ 31.158	\$ 34.989
Pembina	\$ 25.561	\$ 30.182	\$ 32.152	\$ 34.875
Pierce	\$ 20.579	\$ 25.301	\$ 26.437	\$ 26.796
Ramsey	\$ 22.448	\$ 27.477	\$ 28.438	\$ 30.355
Ransom	\$ 23.014	\$ 28.273	\$ 29.853	\$ 32.823
Renville	\$ 21.441	\$ 27.437	\$ 29.809	\$ 30.684
Richland	\$ 26.532	\$ 30.829	\$ 32.192	\$ 36.591
Rolette	\$ 16.848	\$ 19.142	\$ 21.292	\$ 21.831
Sargent	\$ 27.928	\$ 31.358	\$ 32.420	\$ 36.041
Sheridan	\$ 16.657	\$ 21.995	\$ 21.856	\$ 23.067
Sioux	\$ 16.294	\$ 17.160	\$ 18.677	\$ 19.120
Slope	\$ 20.689	\$ 25.660	\$ 20.561	\$ 22.759
Stark	\$ 24.344	\$ 27.734	\$ 29.267	\$ 32.028
Steele	\$ 23.114	\$ 29.278	\$ 31.378	\$ 32.659
Stutsman	\$ 23.128	\$ 27.714	\$ 29.410	\$ 32.213
Towner	\$ 20.207	\$ 24.991	\$ 24.414	\$ 27.205
Traill	\$ 24.596	\$ 29.385	\$ 32.861	\$ 35.162
Walsh	\$ 22.203	\$ 27.948	\$ 28.563	\$ 29.847
Ward	\$ 25.255	\$ 28.048	\$ 30.549	\$ 33.095
Wells	\$ 18.966	\$ 24.010	\$ 26.567	\$ 27.798
Williams	\$ 26.078	\$ 28.930	\$ 30.123	\$ 33.249
North Dakota	\$ 23.910	\$ 27.329	\$ 29.321	\$ 31.764

Source: U.S. Census Bureau, Current Population Survey

Table 8: Live Births by County

County	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Adams	34	39	30	37	23	25	25	26	19	16	23
Barnes	141	134	142	137	116	128	134	117	136	112	105
Benson	116	143	135	124	110	97	127	130	122	135	129
Billings	6	20	16	9	7	11	8	10	7	6	6
Bottineau	80	83	61	78	64	60	40	73	49	51	51
Bowman	45	45	31	37	29	27	36	35	34	18	33
Burke	24	29	19	27	20	23	17	17	9	17	17
Burleigh	881	889	894	840	896	870	843	878	827	809	881
Cass	1,557	1,497	1,589	1,570	1,549	1,588	1,642	1,632	1,607	1,634	1,635
Cavalier	84	78	67	59	55	43	34	49	41	30	35
Dickey	80	87	78	71	66	68	56	54	56	59	75
Divide	26	24	24	21	14	12	20	15	11	12	11
Dunn	52	45	44	55	47	33	40	34	24	31	31
Eddy	43	32	23	28	28	29	30	21	32	27	26
Emmons	61	66	53	59	56	62	48	48	42	30	29
Foster	49	64	45	43	50	51	33	38	46	40	29
Golden Valley	26	20	26	33	20	33	20	21	16	15	15
Grand Forks	1,229	1,147	1,140	1,159	1,153	1,107	1,126	1,008	968	835	889
Grant	44	27	34	35	21	39	27	25	24	19	17
Griggs	42	31	28	32	28	32	28	28	18	19	20
Hettinger	46	35	22	29	25	32	23	20	22	28	18
Kidder	44	33	29	31	25	23	25	29	17	27	27
LaMoure	57	56	41	47	43	54	38	42	46	24	41
Logan	27	21	19	29	26	27	31	23	26	17	17
McHenry	58	56	63	56	56	48	63	61	63	53	56
McIntosh	31	25	30	26	42	36	28	31	24	28	32
McKenzie	102	89	107	93	71	77	59	84	66	67	70
McLean	110	115	100	94	88	78	83	90	87	94	76
Mercer	146	130	117	111	92	109	86	80	78	69	74
Morton	333	283	314	291	299	311	295	309	313	301	287
Mountrail	92	105	97	100	94	95	110	98	75	93	88
Nelson	40	35	48	38	37	23	22	38	26	21	34
Oliver	64	52	55	49	45	45	52	58	13	17	13
Pembina	165	170	205	176	164	169	151	156	73	78	90
Pierce	85	66	73	59	65	67	65	55	48	44	39
Ramsey	32	32	19	23	28	25	21	26	156	132	144
Ransom	224	217	227	219	224	217	214	229	69	56	55
Renville	305	313	309	303	306	277	300	291	26	18	14
Richland	19	16	16	14	15	15	16	17	203	206	196
Rolette	116	97	105	91	91	120	92	96	267	247	276
Sargent	64	47	60	58	57	48	50	47	50	42	47
Sheridan	21	20	17	12	15	14	11	15	10	9	10
Sioux	113	102	110	79	74	95	69	99	104	98	99
Slope	13	11	4	12	7	7	7	12	10	7	7
Stark	344	338	302	266	319	294	276	267	262	266	249
Steele	25	22	23	31	25	27	28	20	20	20	11
Stutsman	271	261	247	280	251	242	215	234	191	234	192
Towner	31	30	30	38	33	34	34	32	21	15	13
Traill	111	102	98	85	95	86	79	114	92	97	78
Walsh	175	170	150	146	151	152	147	130	159	154	147
Ward	1,017	1,018	995	1,019	1,036	1,004	1,025	1,026	951	875	856
Wells	60	53	49	48	55	43	41	38	35	45	45
Williams	292	268	257	286	279	247	256	232	239	238	218
North Dakota	9,253	8,888	8,817	8,693	8,585	8,479	8,346	8,358	7,930	7,635	7,676

Source: NDDoH, Division of Vital Records

Table 9: Birth Rates by County

County	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Adams	10.71	12.29	9.45	11.66	7.25	7.88	7.88	8.19	5.99	5.04	8.87
Barnes	11.24	10.68	11.32	10.92	9.25	10.20	10.68	9.33	10.84	8.93	8.92
Benson	16.12	19.87	18.76	17.23	15.28	13.48	17.64	18.06	16.95	18.76	18.52
Billings	5.42	18.05	14.44	8.12	6.32	9.93	7.22	9.03	6.32	5.42	6.76
Bottineau	9.99	10.36	7.61	9.74	7.99	7.49	4.99	9.11	6.12	6.37	7.13
Bowman	12.51	12.51	8.62	10.29	8.06	7.51	10.01	9.73	9.45	5.01	10.18
Burke	7.99	9.66	6.33	8.99	6.66	7.66	5.66	5.66	3.00	5.66	7.58
Burleigh	14.65	14.78	14.87	13.97	14.90	14.47	14.02	14.60	13.75	13.45	12.69
Cass	15.14	14.55	15.45	15.26	15.06	15.44	15.96	15.86	15.62	15.88	13.28
Cavalier	13.85	12.86	11.05	9.73	9.07	7.09	5.61	8.08	6.76	4.95	7.24
Dickey	13.1	14.25	12.77	11.63	10.81	11.13	9.17	8.84	9.17	9.66	13.03
Divide	8.97	8.28	8.28	7.24	4.83	4.14	6.9	5.17	3.79	4.14	4.82
Dunn	12.98	11.24	10.99	13.73	11.74	8.24	9.99	8.49	5.99	7.74	8.61
Eddy	14.57	10.84	7.79	9.49	9.49	9.83	10.17	7.12	10.84	9.15	9.43
Emmons	12.63	13.66	10.97	12.22	11.59	12.84	9.94	9.94	8.70	6.21	6.70
Foster	12.3	16.07	11.3	10.8	12.55	12.80	8.29	9.54	11.55	10.04	7.71
Golden Valley	12.33	9.49	12.33	15.65	9.49	15.65	9.49	9.96	7.59	7.12	7.80
Grand Forks	17.39	16.23	16.13	16.4	16.31	15.66	15.93	14.26	13.69	11.81	13.45
Grant	12.4	7.61	9.58	9.86	5.92	10.99	7.61	7.04	6.76	5.35	5.98
Griggs	12.72	9.39	8.48	9.69	8.48	9.69	8.48	8.48	5.45	5.75	7.26
Hettinger	13.35	10.16	6.39	8.42	7.26	9.29	6.68	5.81	6.39	8.13	6.63
Kidder	13.21	9.9	8.7	9.3	7.50	6.90	7.5	8.70	5.10	8.10	9.81
LaMoure	10.59	10.4	7.62	8.73	7.99	10.03	7.06	7.80	8.55	4.46	8.72
Logan	9.48	7.38	6.67	10.19	9.13	9.48	10.89	8.08	9.13	5.97	7.37
McHenry	8.88	8.58	9.65	8.58	8.58	7.35	9.65	9.34	9.65	8.12	9.35
McIntosh	7.71	6.22	7.46	6.47	10.45	8.95	6.96	7.71	5.97	6.96	9.44
McKenzie	15.98	13.94	16.76	14.57	11.12	12.06	9.24	13.16	10.34	10.50	12.20
McLean	10.52	11	9.56	8.99	8.42	7.46	7.94	8.61	8.32	8.99	8.16
Mercer	14.89	13.25	11.93	11.32	9.38	11.11	8.77	8.16	7.95	7.04	8.56
Morton	14.05	11.94	13.25	12.28	12.62	13.12	12.45	13.04	13.21	12.70	11.34
Mountrail	13.1	14.96	13.82	14.24	13.39	13.53	15.67	13.96	10.68	13.25	13.27
Nelson	9.07	7.94	10.88	8.62	8.39	5.22	4.99	8.62	5.90	4.76	9.15
Oliver	7.98	6.72	6.72	5.88	6.30	6.30	6.72	7.14	5.46	7.14	6.30
Pembina	12.56	10.5	11.37	9.85	9.85	12.99	9.96	10.39	7.90	8.44	10.48
Pierce	12.67	10.29	10.89	9.7	8.91	8.91	10.29	11.48	9.50	8.71	8.34
Ramsey	13.01	13.41	16.17	13.88	12.93	13.33	11.91	12.30	12.30	10.41	11.93
Ransom	14.36	11.15	12.33	9.96	10.98	11.32	10.98	9.29	11.65	9.46	9.34
Renville	10.13	10.13	6.01	7.28	8.86	7.91	6.65	8.23	8.23	5.70	5.36
Richland	12.34	11.96	12.51	12.07	12.34	11.96	11.79	12.62	11.19	11.35	10.89
Rolette	23.88	24.51	24.19	23.72	23.96	21.69	23.49	22.78	20.91	19.34	20.18
Sargent	14.07	10.33	13.19	12.75	12.53	10.55	10.99	10.33	10.99	9.23	10.77
Sheridan	9.78	9.31	7.91	5.59	6.98	6.52	5.12	6.98	4.66	4.19	5.85
Sioux	30.05	27.12	29.25	21.01	19.68	25.26	18.35	26.32	27.65	26.06	24.48
Slope	14.33	12.13	4.41	13.23	7.72	7.72	7.72	13.23	11.03	7.72	9.13
Stark	15.07	14.8	13.23	11.65	13.97	12.88	12.09	11.69	11.48	11.65	11.00
Steele	10.33	9.09	9.5	12.81	10.33	11.16	11.57	8.26	8.26	8.26	4.87
Stutsman	12.18	11.74	11.11	12.59	11.29	10.88	9.67	10.52	8.59	10.52	8.76
Towner	8.55	8.27	8.27	10.48	9.10	9.37	9.37	8.82	5.79	4.14	4.52
Traill	12.68	11.65	11.2	9.71	10.85	9.83	9.03	13.03	10.51	11.08	9.20
Walsh	12.64	12.28	10.84	10.55	10.91	10.98	10.62	9.39	11.49	11.13	11.87
Ward	17.56	17.58	17.18	17.59	17.89	17.33	17.7	17.71	16.42	15.11	14.56
Wells	10.23	9.04	8.36	8.19	9.38	7.33	6.99	6.48	5.97	7.67	8.82
Williams	13.82	12.68	12.16	13.54	13.20	11.69	12.12	10.98	11.31	11.26	11.03
North Dakota	14.48	13.91	13.8	13.61	13.44	13.27	13.07	13.07	12.41	11.95	11.95

Source: NDDoH, Division of Vital Records

Table 10: Fetal Deaths by County

County	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Adams	0	0	0	0	0	0	0	0	0	0	0
Barnes	1	2	0	0	0	1	0	0	1	0	0
Benson	1	2	0	1	2	2	1	0	2	1	0
Billings	0	0	0	0	0	0	0	0	0	0	1
Bottineau	0	0	0	0	0	3	0	0	0	0	1
Bowman	0	0	0	0	0	0	0	0	0	0	0
Burke	0	0	0	0	0	1	0	0	1	0	0
Burleigh	5	7	5	4	8	7	3	5	5	5	3
Cass	12	5	9	15	8	12	9	9	11	10	11
Cavalier	0	0	1	0	2	1	1	1	0	0	0
Dickey	0	1	2	0	1	0	0	0	0	0	0
Divide	0	0	2	0	0	0	1	0	0	0	0
Dunn	1	0	0	0	1	0	0	2	0	0	0
Eddy	0	0	1	1	1	0	1	0	0	0	0
Emmons	0	0	0	0	1	0	0	0	0	1	1
Foster	0	0	0	0	0	1	0	0	2	0	0
Golden Valley	0	0	0	0	1	0	0	0	0	0	0
Grand Forks	15	8	8	5	2	12	6	6	8	2	4
Grant	1	0	0	0	1	0	0	0	0	0	0
Griggs	0	0	0	0	0	0	0	0	0	0	0
Hettinger	1	0	0	0	0	1	0	0	0	0	0
Kidder	0	0	2	0	0	0	0	0	0	0	0
LaMoure	0	0	0	1	0	2	0	0	0	0	0
Logan	1	1	0	0	0	0	1	0	1	0	0
McHenry	1	1	0	0	0	0	0	0	1	1	0
McIntosh	0	0	0	0	0	1	0	1	0	0	0
McKenzie	1	0	1	1	0	0	2	1	0	0	1
McLean	2	2	1	1	1	0	0	0	0	0	0
Mercer	1	0	2	1	0	1	0	1	0	0	2
Morton	0	0	2	3	5	0	0	2	0	2	1
Mountrail	3	0	0	0	1	1	1	1	0	2	0
Nelson	0	0	0	0	0	0	0	0	3	0	0
Oliver	0	0	0	0	0	0	1	0	0	0	0
Pembina	0	0	0	2	0	0	0	2	1	2	0
Pierce	0	1	0	0	0	1	0	0	0	0	1
Ramsey	0	1	1	1	2	2	0	0	1	1	0
Ransom	0	0	0	0	0	0	1	0	3	0	1
Renville	0	0	0	0	0	0	0	0	0	0	0
Richland	0	0	0	0	0	0	0	0	0	3	0
Rolette	4	1	4	2	2	2	2	2	3	1	4
Sargent	1	0	0	1	0	0	0	1	0	0	0
Sheridan	0	0	0	1	0	0	0	0	0	0	0
Sioux	2	0	0	0	0	1	3	1	1	0	1
Slope	0	0	0	0	0	0	0	0	0	0	0
Stark	2	3	0	1	0	4	1	0	0	1	1
Steele	1	0	0	1	0	0	0	0	0	0	0
Stutsman	0	0	0	2	2	2	0	0	0	3	2
Towner	0	0	0	0	0	0	1	0	0	0	0
Trails	0	0	0	3	0	0	0	1	0	0	0
Walsh	2	2	1	0	3	1	0	2	1	0	0
Ward	8	10	6	5	3	7	7	2	3	3	10
Wells	0	0	0	0	0	0	0	0	0	1	1
Williams	2	3	3	0	1	1	0	4	1	0	0
North Dakota	68	50	51	52	48	67	42	44	49	39	46

Source: NDDoH, Division of Vital Records

Table 11: Fetal Death Rates by County

County	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Adams	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barnes	7.09	14.93	0.00	0.00	0.00	7.81	0.00	0.00	7.35	0.00	0.00
Benson	8.62	13.99	0.00	8.06	18.18	20.62	7.87	0.00	16.39	7.41	0.00
Billings	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	166.67
Bottineau	0.00	0.00	0.00	0.00	0.00	50.00	0.00	0.00	0.00	0.00	19.61
Bowman	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Burke	0.00	0.00	0.00	0.00	0.00	43.48	0.00	0.00	111.11	0.00	0.00
Burleigh	5.68	7.87	5.59	4.76	8.93	8.05	3.56	5.69	6.05	6.18	3.41
Cass	7.71	3.34	5.66	9.55	5.16	7.56	5.48	5.51	6.85	6.12	6.73
Cavalier	0.00	0.00	14.93	0.00	36.36	23.26	29.41	20.41	0.00	0.00	0.00
Dickey	0.00	11.49	25.64	0.00	15.15	0.00	0.00	0.00	0.00	0.00	0.00
Divide	0.00	0.00	83.33	0.00	0.00	0.00	50.00	0.00	0.00	0.00	0.00
Dunn	19.23	0.00	0.00	0.00	21.28	0.00	0.00	58.82	0.00	0.00	0.00
Eddy	0.00	0.00	43.48	35.71	35.71	0.00	33.33	0.00	0.00	0.00	0.00
Emmons	0.00	0.00	0.00	0.00	17.86	0.00	0.00	0.00	0.00	33.33	34.00
Foster	0.00	0.00	0.00	0.00	0.00	19.61	0.00	0.00	43.48	0.00	48.00
Golden Valley	0.00	0.00	0.00	0.00	50.00	0.00	0.00	0.00	0.00	0.00	0.00
Grand Forks	12.21	6.97	7.02	4.31	1.73	10.84	5.33	5.95	8.26	2.40	4.50
Grant	22.73	0.00	0.00	0.00	47.62	0.00	0.00	0.00	0.00	0.00	0.00
Griggs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hettinger	21.74	0.00	0.00	0.00	0.00	31.25	0.00	0.00	0.00	0.00	0.00
Kidder	0.00	0.00	68.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LaMoure	0.00	0.00	0.00	21.28	0.00	37.04	0.00	0.00	0.00	0.00	0.00
Logan	37.04	47.62	0.00	0.00	0.00	0.00	32.26	0.00	38.46	0.00	0.00
McHenry	17.24	17.86	0.00	0.00	0.00	0.00	0.00	0.00	15.87	18.87	0.00
McIntosh	0.00	0.00	0.00	0.00	0.00	27.78	0.00	32.26	0.00	0.00	0.00
McKenzie	9.80	0.00	9.35	10.75	0.00	0.00	33.90	11.90	0.00	0.00	14.29
McLean	18.18	17.39	10.00	10.64	11.36	0.00	0.00	0.00	0.00	0.00	0.00
Mercer	6.85	0.00	17.09	9.01	0.00	9.17	0.00	12.50	0.00	0.00	27.03
Morton	0.00	0.00	6.37	10.31	16.72	0.00	0.00	6.47	0.00	6.64	3.48
Mountrail	32.61	0.00	0.00	0.00	10.64	10.53	9.09	10.20	0.00	21.51	0.00
Nelson	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	115.38	0.00	0.00
Oliver	0.00	0.00	0.00	0.00	0.00	0.00	62.50	0.00	0.00	0.00	0.00
Pembina	0.00	0.00	0.00	21.98	0.00	0.00	0.00	20.83	13.70	25.64	0.00
Pierce	0.00	19.23	0.00	0.00	0.00	22.22	0.00	0.00	0.00	0.00	25.64
Ramsey	0.00	5.88	4.88	5.68	12.20	11.83	0.00	0.00	6.41	7.58	0.00
Ransom	0.00	0.00	0.00	0.00	0.00	0.00	15.38	0.00	43.48	0.00	18.18
Renville	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Richland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.56	0.00
Rolette	13.11	3.19	12.94	6.60	6.54	7.22	6.67	6.87	11.24	4.05	14.49
Sargent	15.63	0.00	0.00	17.24	0.00	0.00	0.00	21.28	0.00	0.00	0.00
Sheridan	0.00	0.00	0.00	83.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sioux	17.70	0.00	0.00	0.00	0.00	10.53	43.48	10.10	9.62	0.00	10.10
Slope	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Stark	5.81	8.88	0.00	3.76	0.00	13.61	3.62	0.00	0.00	3.76	4.02
Steele	40.00	0.00	0.00	32.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Stutsman	0.00	0.00	0.00	7.14	7.97	8.26	0.00	0.00	0.00	12.82	10.42
Towner	0.00	0.00	0.00	0.00	0.00	0.00	29.41	0.00	0.00	0.00	0.00
Traill	0.00	0.00	0.00	35.29	0.00	0.00	0.00	8.77	0.00	0.00	0.00
Walsh	11.43	11.76	6.67	0.00	19.87	6.58	0.00	15.38	6.29	0.00	0.00
Ward	7.87	9.82	6.03	4.91	2.90	6.97	6.83	1.95	3.15	3.43	11.68
Wells	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.22	22.22
Williams	6.85	11.19	11.67	0.00	3.58	4.05	0.00	17.24	4.18	0.00	0.00
North Dakota	7.35	5.63	5.78	5.98	5.59	7.90	5.03	5.26	6.18	5.11	5.99

Source: NDDoH, Division of Vital Records

Table 12: Infant Deaths by County

County	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Adams	0	0	1	1	0	0	0	0	2	0	0
Barnes	3	1	1	3	0	1	0	0	2	0	0
Benson	3	3	1	2	0	0	1	1	0	0	0
Billings	0	0	0	0	0	0	0	0	0	0	0
Bottineau	1	0	1	1	0	0	0	1	1	1	1
Bowman	0	0	0	0	1	0	1	0	0	0	0
Burke	1	0	0	0	0	1	0	0	0	0	0
Burleigh	3	12	7	8	4	10	4	9	11	6	3
Cass	15	6	5	8	12	8	7	9	15	7	17
Cavalier	0	0	2	0	0	0	0	0	0	0	0
Dickey	1	0	0	0	1	0	0	0	0	1	0
Divide	1	0	1	0	0	0	0	0	1	0	0
Dunn	1	0	0	0	1	0	0	0	0	1	0
Eddy	1	0	0	0	2	0	0	0	0	0	1
Emmons	1	0	0	0	0	1	0	0	0	0	0
Foster	1	1	0	1	0	0	0	0	0	0	0
Golden Valley	0	0	0	0	0	0	0	0	0	0	0
Grand Forks	13	2	8	9	6	4	3	5	6	5	6
Grant	0	0	0	0	0	0	0	1	2	0	0
Griggs	1	0	0	0	0	0	0	0	0	0	1
Hettinger	0	0	0	0	0	0	0	0	1	0	1
Kidder	0	0	0	0	0	1	0	0	0	0	0
LaMoure	1	0	1	1	0	0	1	1	0	0	0
Logan	0	0	0	0	0	0	1	1	0	0	0
McHenry	1	1	2	1	1	0	1	0	0	0	0
McIntosh	1	0	0	1	0	2	0	0	0	0	0
McKenzie	0	0	1	1	0	1	2	0	1	3	1
McLean	0	0	1	2	0	1	0	0	0	0	1
Mercer	0	3	1	0	0	2	0	0	0	0	1
Morton	0	2	2	3	3	4	1	0	0	2	3
Mountrail	1	0	1	0	1	0	3	2	1	1	2
Nelson	0	0	1	1	0	0	1	0	1	0	0
Oliver	0	0	0	0	0	0	0	0	1	0	0
Pembina	0	1	0	0	0	1	0	4	1	1	0
Pierce	1	1	0	0	0	3	1	0	0	0	0
Ramsey	4	3	1	2	0	0	0	1	1	1	3
Ransom	0	0	0	0	0	0	0	0	0	1	0
Renville	0	0	0	0	0	0	0	0	0	0	0
Richland	1	1	1	1	2	1	2	1	2	3	0
Rolette	4	5	3	2	3	7	2	1	3	2	5
Sargent	0	0	0	0	0	0	0	1	0	0	0
Sheridan	0	2	0	0	0	0	0	1	0	0	0
Sioux	3	1	6	1	2	0	1	0	3	3	0
Slope	0	0	0	0	0	0	0	0	0	0	0
Stark	2	4	2	4	5	2	3	3	2	2	2
Steele	0	0	0	3	0	0	0	0	0	0	0
Stutsman	0	2	1	2	1	1	0	2	1	1	0
Towner	0	0	0	0	3	0	0	0	0	0	0
Traill	2	1	1	0	0	1	0	2	1	1	3
Walsh	1	2	3	3	0	0	0	1	1	1	1
Ward	6	13	12	5	13	8	8	5	6	8	7
Wells	0	0	0	0	0	0	0	0	0	0	0
Williams	1	5	2	3	1	1	1	0	2	1	2
North Dakota	75	72	69	69	62	61	44	52	68	52	61

Source: NDDoH, Division of Vital Records

Table 13: Infant Death Rates by County

County	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Adams	0.00	0.00	33.33	27.03	0.00	0.00	0.00	0.00	105.26	0.00	0.00
Barnes	21.28	7.46	7.04	21.90	0.00	7.81	0.00	0.00	14.71	0.00	0.00
Benson	25.86	20.98	7.41	16.13	0.00	0.00	7.87	7.69	0.00	0.00	0.00
Billings	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bottineau	12.50	0.00	16.39	12.82	0.00	0.00	0.00	13.70	20.41	19.61	19.61
Bowman	0.00	0.00	0.00	0.00	34.48	0.00	27.78	0.00	0.00	0.00	0.00
Burke	41.67	0.00	0.00	0.00	0.00	43.48	0.00	0.00	0.00	0.00	0.00
Burleigh	3.41	13.50	7.83	9.52	4.46	11.49	4.74	10.25	13.30	7.42	3.41
Cass	9.63	4.01	3.15	5.10	7.75	5.04	4.26	5.51	9.33	4.28	10.40
Cavalier	0.00	0.00	29.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dickey	12.50	0.00	0.00	0.00	15.15	0.00	0.00	0.00	0.00	16.95	0.00
Divide	38.46	0.00	41.67	0.00	0.00	0.00	0.00	0.00	90.91	0.00	0.00
Dunn	19.23	0.00	0.00	0.00	21.28	0.00	0.00	0.00	0.00	32.26	0.00
Eddy	23.26	0.00	0.00	0.00	71.43	0.00	0.00	0.00	0.00	0.00	38.46
Emmons	16.39	0.00	0.00	0.00	0.00	16.13	0.00	0.00	0.00	0.00	0.00
Foster	20.41	15.63	0.00	23.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Golden Valley	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grand Forks	10.58	1.74	7.02	7.77	5.20	3.61	2.66	4.96	6.20	5.99	6.75
Grant	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	83.33	0.00	0.00
Griggs	23.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.00
Hettinger	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	45.45	0.00	55.56
Kidder	0.00	0.00	0.00	0.00	0.00	43.48	0.00	0.00	0.00	0.00	0.00
LaMoure	17.54	0.00	24.39	21.28	0.00	0.00	26.32	23.81	0.00	0.00	0.00
Logan	0.00	0.00	0.00	0.00	0.00	0.00	32.26	43.48	0.00	0.00	0.00
McHenry	17.24	17.86	31.75	17.86	17.86	0.00	15.87	0.00	0.00	0.00	0.00
McIntosh	32.26	0.00	0.00	38.46	0.00	55.56	0.00	0.00	0.00	0.00	0.00
McKenzie	0.00	0.00	9.35	10.75	0.00	12.99	33.90	0.00	15.15	44.78	14.29
McLean	0.00	0.00	10.00	21.28	0.00	12.82	0.00	0.00	0.00	0.00	13.16
Mercer	0.00	23.08	8.55	0.00	0.00	18.35	0.00	0.00	0.00	0.00	13.51
Morton	0.00	7.07	6.37	10.31	10.03	12.86	3.39	0.00	0.00	6.64	10.45
Mountrail	10.87	0.00	10.31	0.00	10.64	0.00	27.27	20.41	13.33	10.75	22.73
Nelson	0.00	0.00	20.83	26.32	0.00	0.00	45.45	0.00	38.46	0.00	0.00
Oliver	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	76.92	0.00	0.00
Pembina	0.00	10.31	0.00	0.00	0.00	8.33	0.00	41.67	13.70	12.82	0.00
Pierce	15.63	19.23	0.00	0.00	0.00	66.67	19.23	0.00	0.00	0.00	0.00
Ramsey	24.24	17.65	4.88	11.36	0.00	0.00	0.00	6.41	6.41	7.58	20.83
Ransom	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17.86	0.00
Renville	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Richland	4.46	4.61	4.41	4.57	8.93	4.61	9.35	4.37	9.85	14.56	0.00
Rolette	13.11	15.97	9.71	6.60	9.80	25.27	6.67	3.44	11.24	8.10	18.12
Sargent	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.28	0.00	0.00	0.00
Sheridan	0.00	100.00	0.00	0.00	0.00	0.00	0.00	66.67	0.00	0.00	0.00
Sioux	26.55	9.80	54.55	12.66	27.03	0.00	14.49	0.00	28.85	30.61	0.00
Slope	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Stark	5.81	11.83	6.62	15.04	15.67	6.80	10.87	11.24	7.63	7.52	8.03
Steele	0.00	0.00	0.00	96.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Stutsman	0.00	7.66	4.05	7.14	3.98	4.13	0.00	8.55	5.24	4.27	0.00
Towner	0.00	0.00	0.00	0.00	90.91	0.00	0.00	0.00	0.00	0.00	0.00
Traill	18.02	9.80	10.20	0.00	0.00	11.63	0.00	17.54	10.87	10.31	38.46
Walsh	5.71	11.76	20.00	20.55	0.00	0.00	0.00	7.69	6.29	6.49	6.80
Ward	5.90	12.77	12.06	4.91	12.55	7.97	7.80	4.87	6.31	9.14	8.18
Wells	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Williams	3.42	18.66	7.78	10.49	3.58	4.05	3.91	0.00	8.37	4.20	9.17
North Dakota	8.11	8.10	7.83	7.94	7.22	7.19	5.27	6.22	8.58	6.81	7.95

Source: NDDoH, Division of Vital Records

Table 14: Neonatal Deaths by County

County	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Adams	0	0	1	0	0	0	0	0	0	0	0
Barnes	2	1	1	3	0	0	0	0	2	0	0
Benson	1	1	0	1	0	0	1	0	0	0	0
Billings	0	0	0	0	0	0	0	0	0	0	0
Bottineau	1	0	0	1	0	0	0	0	1	1	1
Bowman	0	0	0	0	0	0	1	0	0	0	0
Burke	1	0	0	0	0	0	0	0	0	0	0
Burleigh	3	7	5	5	2	5	3	7	6	5	1
Cass	10	4	3	6	11	6	7	4	9	4	12
Cavalier	0	0	1	0	0	0	0	0	0	0	0
Dickey	1	0	0	0	1	0	0	0	0	1	0
Divide	1	0	1	0	0	0	0	0	0	0	0
Dunn	1	0	0	0	0	0	0	0	0	0	0
Eddy	1	0	0	0	2	0	0	0	0	0	0
Emmons	1	0	0	0	0	1	0	0	0	0	1
Foster	1	0	0	1	0	0	0	0	0	0	0
Golden Valley	0	0	0	0	0	0	0	0	0	0	0
Grand Forks	8	1	5	4	4	3	0	1	4	2	5
Grant	0	0	0	0	0	0	0	0	2	0	0
Griggs	1	0	0	0	0	0	0	0	0	0	1
Hettinger	0	0	0	0	0	0	0	0	1	0	0
Kidder	0	0	0	0	0	1	0	0	0	0	0
LaMoure	1	0	1	0	0	0	1	1	0	0	0
Logan	0	0	0	0	0	0	1	1	0	0	0
McHenry	0	0	1	1	1	0	1	0	0	0	0
McIntosh	0	0	0	1	0	0	0	0	0	0	0
McKenzie	0	0	0	0	0	1	2	0	0	0	0
McLean	0	0	1	0	0	0	0	0	0	2	0
Mercer	0	1	1	0	0	1	0	0	0	0	1
Morton	0	1	1	1	1	4	0	0	0	1	1
Mountrail	1	0	1	0	0	0	1	1	1	1	2
Nelson	0	0	1	0	0	0	1	0	1	0	0
Oliver	0	0	0	0	0	0	0	0	1	0	0
Pembina	0	0	0	0	0	0	0	4	1	1	0
Pierce	1	0	0	0	0	1	0	0	0	0	0
Ramsey	2	2	1	0	0	0	0	0	0	0	3
Ransom	0	0	0	0	0	0	0	0	0	0	0
Renville	0	0	0	0	0	0	0	0	0	0	0
Richland	1	1	1	1	1	0	0	1	1	2	0
Rolette	2	3	3	1	2	4	1	0	0	1	3
Sargent	0	0	0	0	0	0	0	0	0	0	0
Sheridan	0	2	0	0	0	0	0	1	0	0	0
Sioux	0	0	3	0	1	0	1	0	3	2	0
Slope	0	0	0	0	0	0	0	0	0	0	0
Stark	1	3	1	4	5	1	2	2	1	2	2
Steele	0	0	0	2	0	0	0	0	0	0	0
Stutsman	0	0	1	1	1	1	0	0	1	0	0
Towner	0	0	0	0	3	0	0	0	0	0	0
Traill	2	1	1	0	0	1	0	2	0	0	1
Walsh	1	1	3	2	0	0	0	1	1	1	1
Ward	6	9	5	2	9	4	7	4	5	7	6
Wells	0	0	0	0	0	0	0	0	0	0	0
Williams	1	3	1	3	0	1	1	0	2	1	1
North Dakota	52	41	44	40	44	35	31	30	43	34	42

Source: NDDoH, Division of Vital Records

Table 15: Neonatal Death Rates by County

County	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Adams	0.00	0.00	33.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barnes	14.18	7.46	7.04	21.90	0.00	0.00	0.00	0.00	14.71	0.00	0.00
Benson	8.62	6.99	0.00	8.06	0.00	0.00	7.87	0.00	0.00	0.00	0.00
Billings	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bottineau	12.50	0.00	0.00	12.82	0.00	0.00	0.00	0.00	20.41	19.61	19.61
Bowman	0.00	0.00	0.00	0.00	0.00	0.00	27.78	0.00	0.00	0.00	0.00
Burke	41.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Burleigh	3.41	7.87	5.59	5.95	2.23	5.75	3.56	7.97	7.26	6.18	1.14
Cass	6.42	2.67	1.89	3.82	7.10	3.78	4.26	2.45	5.60	2.45	7.34
Cavalier	0.00	0.00	14.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dickey	12.50	0.00	0.00	0.00	15.15	0.00	0.00	0.00	0.00	16.95	0.00
Divide	38.46	0.00	41.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dunn	19.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Eddy	23.26	0.00	0.00	0.00	71.43	0.00	0.00	0.00	0.00	0.00	0.00
Emmons	16.39	0.00	0.00	0.00	0.00	16.13	0.00	0.00	0.00	0.00	34.48
Foster	20.41	0.00	0.00	23.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Golden Valley	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grand Forks	6.51	0.87	4.39	3.45	3.47	2.71	0.00	1.00	4.13	2.40	5.62
Grant	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	83.33	0.00	0.00
Griggs	23.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.00
Hettinger	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	45.45	0.00	0.00
Kidder	0.00	0.00	0.00	0.00	0.00	43.48	0.00	0.00	0.00	0.00	0.00
LaMoure	17.54	0.00	24.39	0.00	0.00	0.00	26.32	23.81	0.00	0.00	0.00
Logan	0.00	0.00	0.00	0.00	0.00	0.00	32.26	43.48	0.00	0.00	0.00
McHenry	0.00	0.00	15.87	17.86	17.86	0.00	15.87	0.00	0.00	0.00	0.00
McIntosh	0.00	0.00	0.00	38.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00
McKenzie	0.00	0.00	0.00	0.00	0.00	12.99	33.90	0.00	0.00	0.00	0.00
McLean	0.00	0.00	10.00	0.00	0.00	0.00	0.00	0.00	0.00	21.28	0.00
Mercer	0.00	7.69	8.55	0.00	0.00	9.17	0.00	0.00	0.00	0.00	13.51
Morton	0.00	3.53	3.18	3.44	3.34	12.86	0.00	0.00	0.00	3.32	3.48
Mountrail	10.87	0.00	10.31	0.00	0.00	0.00	9.09	10.20	13.33	10.75	22.73
Nelson	0.00	0.00	20.83	0.00	0.00	0.00	45.45	0.00	38.46	0.00	0.00
Oliver	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	76.92	0.00	0.00
Pembina	0.00	0.00	0.00	0.00	0.00	0.00	0.00	41.67	13.70	12.82	0.00
Pierce	15.63	0.00	0.00	0.00	0.00	22.22	0.00	0.00	0.00	0.00	0.00
Ramsey	12.12	11.76	4.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.83
Ransom	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Renville	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Richland	4.46	4.61	4.41	4.57	4.46	0.00	0.00	4.37	4.93	9.71	0.00
Rolette	6.56	9.58	9.71	3.30	6.54	14.44	3.33	0.00	0.00	4.05	10.87
Sargent	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sheridan	0.00	100.00	0.00	0.00	0.00	0.00	0.00	66.67	0.00	0.00	0.00
Sioux	0.00	0.00	27.27	0.00	13.51	0.00	14.49	0.00	28.85	20.41	0.00
Slope	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Stark	2.91	8.88	3.31	15.04	15.67	3.40	7.25	7.49	3.82	7.52	8.03
Steele	0.00	0.00	0.00	64.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Stutsman	0.00	0.00	4.05	3.57	3.98	4.13	0.00	0.00	5.24	0.00	0.00
Towner	0.00	0.00	0.00	0.00	90.91	0.00	0.00	0.00	0.00	0.00	0.00
Traill	18.02	9.80	10.20	0.00	0.00	11.63	0.00	17.54	0.00	0.00	12.82
Walsh	5.71	5.88	20.00	13.70	0.00	0.00	0.00	7.69	6.29	6.49	6.80
Ward	5.90	8.84	5.03	1.96	8.69	3.98	6.83	3.90	5.26	8.00	7.01
Wells	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Williams	3.42	11.19	3.89	10.49	0.00	4.05	3.91	0.00	8.37	4.20	4.59
North Dakota	5.62	4.61	4.99	4.60	5.13	4.13	3.71	3.59	5.42	4.45	5.47

Source: NDDoH, Division of Vital Records

Table 16: Breastfeeding Rates at Hospital Discharge by County

County	1998			1999			2000		
	Births	Number	Percent	Births	Number	Percent	Births	Number	Percent
Adams	19	10	52.6%	16	12	75.0%	22	14	63.6%
Barnes	136	70	51.5%	112	53	47.3%	104	60	57.7%
Benson	121	34	28.1%	135	39	28.9%	123	44	35.8%
Billings	7	3	42.9%	6	4	66.7%	5	5	100.0%
Bottineau	48	23	47.9%	51	23	45.1%	50	27	54.0%
Bowman	33	19	57.6%	18	13	72.2%	32	25	78.1%
Burke	9	3	33.3%	17	5	29.4%	14	6	42.9%
Burleigh	820	457	55.7%	810	463	57.2%	869	473	54.4%
Cass	1,602	860	53.7%	1,635	859	52.5%	1,595	883	55.4%
Cavalier	41	16	39.0%	30	16	53.3%	34	18	52.9%
Dickey	34	23	67.6%	59	20	33.9%	46	26	56.5%
Divide	11	6	54.5%	12	5	41.7%	11	8	72.7%
Dunn	24	15	62.5%	31	21	67.7%	31	17	54.8%
Eddy	32	17	53.1%	27	18	66.7%	26	17	65.4%
Emmons	42	23	54.8%	30	22	73.3%	28	15	53.6%
Foster	46	17	37.0%	40	22	55.0%	29	13	44.8%
Golden Valley	16	10	62.5%	15	9	60.0%	14	10	71.4%
Grand Forks	959	593	61.8%	836	522	62.4%	859	483	56.2%
Grant	23	11	47.8%	19	13	68.4%	16	9	56.3%
Griggs	18	8	44.4%	19	8	42.1%	19	9	47.4%
Hettinger	21	11	52.4%	28	16	57.1%	17	6	35.3%
Kidder	17	10	58.8%	27	13	48.1%	26	8	30.8%
LaMoure	42	27	64.3%	24	17	70.8%	39	22	56.4%
Logan	26	15	57.7%	17	6	35.3%	17	13	76.5%
McHenry	63	34	54.0%	53	26	49.1%	54	32	59.3%
McIntosh	24	17	70.8%	28	12	42.9%	26	14	53.8%
McKenzie	62	30	48.4%	68	27	39.7%	61	31	50.8%
McLean	87	43	49.4%	94	49	52.1%	74	41	55.4%
Mercer	78	41	52.6%	69	35	50.7%	68	41	60.3%
Morton	311	144	46.3%	301	133	44.2%	282	141	50.0%
Mountrail	75	30	40.0%	93	37	39.8%	85	34	40.0%
Nelson	26	12	46.2%	21	12	57.1%	33	13	39.4%
Oliver	13	7	53.8%	17	9	52.9%	12	7	58.3%
Pembina	72	39	54.2%	78	44	56.4%	88	44	50.0%
Pierce	48	27	56.3%	44	22	50.0%	39	25	64.1%
Ramsey	154	70	45.5%	132	63	47.7%	137	77	56.2%
Ransom	65	34	52.3%	56	33	58.9%	48	24	50.0%
Renville	26	14	53.8%	18	11	61.1%	14	11	78.6%
Richland	46	24	52.2%	206	38	18.4%	63	35	55.6%
Rolette	266	52	19.5%	247	41	16.6%	262	46	17.6%
Sargent	35	17	48.6%	42	18	42.9%	30	17	56.7%
Sheridan	10	8	80.0%	9	4	44.4%	9	3	33.3%
Sioux	104	34	32.7%	98	29	29.6%	97	24	24.7%
Slope	9	7	77.8%	7	2	28.6%	6	4	66.7%
Stark	261	120	46.0%	267	127	47.6%	243	135	55.6%
Steele	20	9	45.0%	20	8	40.0%	11	6	54.5%
Stutsman	191	89	46.6%	235	112	47.7%	190	100	52.6%
Towner	21	7	33.3%	15	6	40.0%	13	3	23.1%
Traill	92	60	65.2%	97	47	48.5%	75	33	44.0%
Walsh	159	84	52.8%	154	73	47.4%	145	76	52.4%
Ward	948	509	53.7%	876	486	55.5%	835	493	59.0%
Wells	35	16	45.7%	45	24	53.3%	45	26	57.8%
Williams	239	125	52.3%	238	132	55.5%	208	128	61.5%
N.D. Residents	7,687	3,984	51.8%	7,642	3,859	50.5%	7,279	3,875	53.2%
Out-of-State Residents	1,478	758	51.3%	1,471	718	48.8%	1,379	723	52.4%
Overall Total	9,165	4,742	51.7%	9,113	4,577	50.2%	8,658	4,598	53.1%

Source: NDDoH, Division of Vital Records

Table 17: Child and Adolescent Deaths and Rates by County

County	1995		1996		1997		1998		1999		2000	
	Deaths	Rate	Deaths	Rate	Deaths	Rate	Deaths	Rate	Deaths	Rate	Deaths	Rate
Adams	0	0.00	0	0.00	0	0	1	119.19	0	0.00	0	0.00
Barnes	1	29.31	1	29.31	1	29.31	3	87.92	0	0.00	0	0.00
Benson	1	39.05	6	234.28	0	0	2	78.09	5	195.24	2	77.07
Billings	0	0.00	1	269.54	0	0	0	0.00	0	0.00	1	436.68
Bottineau	0	0.00	0	0.00	0	0	0	0.00	2	87.57	0	0.00
Bowman	1	97.09	0	0.00	0	0	1	97.09	0	0.00	0	0.00
Burke	1	130.55	1	130.55	2	261.1	0	0.00	0	0.00	0	0.00
Burleigh	9	50.40	10	56.00	6	33.6	3	16.80	5	28.00	5	26.63
Cass	12	42.68	5	17.78	5	17.78	2	7.11	4	14.23	4	12.53
Cavalier	0	0.00	0	0.00	1	60.57	0	0.00	2	121.14	0	0.00
Dickey	1	59.42	1	59.42	0	0	1	59.42	0	0.00	3	202.57
Divide	0	0.00	0	0.00	1	144.1	0	0.00	0	0.00	0	0.00
Dunn	1	79.30	1	79.30	0	0	3	237.91	1	79.30	0	0.00
Eddy	0	0.00	0	0.00	0	0	1	131.75	0	0.00	2	290.70
Emmons	1	77.82	1	77.82	0	0	0	0.00	0	0.00	0	0.00
Foster	0	0.00	0	0.00	0	0	3	264.08	0	0.00	1	97.47
Golden Valley	0	0.00	1	148.15	1	148.2	0	0.00	1	148.15	0	0.00
Grand Forks	2	9.63	9	43.33	2	9.63	7	33.70	3	14.44	4	21.60
Grant	0	0.00	0	0.00	1	104.2	0	0.00	0	0.00	0	0.00
Griggs	2	227.27	0	0.00	0	0	1	113.64	0	0.00	0	0.00
Hettinger	0	0.00	0	0.00	1	108.8	0	0.00	1	108.81	2	302.57
Kidder	0	0.00	0	0.00	1	105.3	2	210.53	0	0.00	0	0.00
LaMoure	1	66.23	1	66.23	1	66.23	1	66.23	0	0.00	1	81.77
Logan	0	0.00	0	0.00	1	141	0	0.00	0	0.00	0	0.00
McHenry	0	0.00	0	0.00	1	54.79	0	0.00	0	0.00	0	0.00
McIntosh	0	0.00	0	0.00	0	0	0	0.00	1	111.73	0	0.00
McKenzie	4	186.57	2	93.28	1	46.64	0	0.00	3	139.93	1	54.38
McLean	1	32.22	2	64.43	1	32.22	1	32.22	2	64.43	1	42.70
Mercer	3	93.52	1	31.17	2	62.34	4	124.69	2	62.34	0	0.00
Morton	7	94.01	4	53.72	4	53.72	5	67.15	2	26.86	2	27.70
Mountrail	2	90.66	2	90.66	6	272	1	45.33	2	90.66	0	0.00
Nelson	2	186.74	0	0.00	0	0	0	0.00	1	93.37	0	0.00
Oliver	0	0.00	0	0.00	0	0	0	0.00	0	0.00	0	0.00
Pembina	1	37.40	0	0.00	1	37.4	0	0.00	1	37.40	0	0.00
Pierce	0	0.00	0	0.00	0	0	0	0.00	0	0.00	1	84.18
Ramsey	1	28.10	2	56.20	1	28.1	1	28.10	4	112.39	0	0.00
Ransom	1	62.81	1	62.81	1	62.81	1	62.81	1	62.81	0	0.00
Renville	0	0.00	1	110.38	1	110.4	0	0.00	0	0.00	1	254.08
Richland	6	107.35	1	17.89	2	17.89	1	17.89	1	17.89	2	37.83
Rolette	2	40.03	3	60.05	1	40.03	2	40.03	3	60.05	1	19.18
Sargent	1	78.37	0	0.00	1	78.37	2	156.74	0	0.00	0	0.00
Sheridan	0	0.00	0	0.00	1	191.9	0	0.00	0	0.00	1	257.07
Sioux	2	120.55	0	0.00	0	60.28	6	361.66	1	60.28	1	58.65
Slope	0	0.00	0	0.00	1	0	0	0.00	0	0.00	0	0.00
Stark	1	14.09	3	42.27	0	14.09	2	28.18	2	28.18	2	30.93
Steele	0	0.00	0	0.00	0	0	0	0.00	1	154.80	0	0.00
Stutsman	3	48.53	2	32.35	0	0	2	32.35	1	16.18	1	18.00
Towner	1	99.60	0	0.00	0	0	0	0.00	1	99.60	0	0.00
Traill	1	40.80	0	0.00	0	0	1	40.80	1	40.80	1	43.42
Walsh	3	76.43	0	0.00	3	76.43	2	50.96	3	76.43	1	30.67
Ward	8	46.24	5	28.90	7	40.46	6	34.68	7	40.46	5	30.08
Wells	1	68.63	0	0.00	0	0	0	0.00	0	0.00	0	0.00
Williams	0	0.00	1	15.21	4	60.84	5	76.05	3	45.63	5	89.72
North Dakota	84	44.97	68	36.40	64	34.26	73	39.08	67	35.87	51	29.01

Source: NDDoH, Division of Vital Records

Table 18: Child Deaths and Rates by County - All Causes - Ages 1 - 9

County	1979-1983		1984-1988		1989-1993		1994-1998		1979-1998	
	Num	Rate								
Adams	0	0.00	1	42.83	0	0.00	0	0.00	1	12.42
Barnes	1	11.40	5	58.71	3	40.89	2	32.28	11	35.69
Benson	7	102.91	6	81.61	4	61.84	2	33.06	19	71.24
Billings	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Bottineau	0	0.00	0	0.00	1	21.25	0	0.00	1	4.87
Bowman	3	92.36	1	33.19	0	0.00	1	58.45	5	49.15
Burke	0	0.00	2	93.55	2	131.06	2	183.65	6	84.93
Burleigh	11	26.67	14	31.04	10	23.26	10	24.97	45	26.57
Cass	22	37.05	21	31.01	17	25.20	13	20.06	73	28.15
Cavalier	0	0.00	4	87.62	0	0.00	0	0.00	4	25.07
Dickey	2	41.09	0	0.00	1	27.89	0	0.00	3	18.75
Divide	1	49.68	1	51.71	1	64.35	0	0.00	3	44.90
Dunn	3	83.68	2	53.81	3	97.06	4	155.46	12	92.55
Eddy	0	0.00	1	49.41	0	0.00	0	0.00	1	13.67
Emmons	1	26.03	0	0.00	1	36.00	1	46.04	3	24.33
Foster	2	60.11	0	0.00	2	73.21	0	0.00	4	34.33
Golden Valley	1	54.76	0	0.00	0	0.00	0	0.00	1	16.19
Grand Forks	16	32.23	17	31.89	19	38.35	11	25.24	63	32.13
Grant	1	33.42	1	35.51	0	0.00	0	0.00	2	21.09
Griggs	2	86.62	0	0.00	1	49.98	1	62.77	4	48.67
Hettinger	0	0.00	1	39.09	0	0.00	1	62.70	2	22.54
Kidder	1	36.21	1	39.02	0	0.00	0	0.00	2	22.44
LaMoure	4	91.51	1	24.40	2	60.51	0	0.00	7	48.55
Logan	2	95.74	0	0.00	0	0.00	0	0.00	2	29.70
McHenry	6	115.94	1	20.12	1	25.34	0	0.00	8	46.19
McIntosh	0	0.00	1	40.88	0	0.00	0	0.00	1	11.58
McKenzie	1	14.85	2	29.18	4	76.03	3	68.24	10	43.02
McLean	5	53.41	2	22.75	4	58.94	1	17.93	12	39.32
Mercer	0	0.00	4	40.62	0	0.00	4	56.83	8	24.28
Morton	9	45.27	6	30.00	4	23.58	8	53.29	27	37.57
Mountrail	3	50.29	2	33.54	4	81.04	4	90.76	13	61.12
Nelson	2	72.44	1	36.19	1	42.77	0	0.00	4	41.42
Oliver	0	0.00	1	46.49	0	0.00	0	0.00	1	13.32
Pembina	0	0.00	0	0.00	1	16.46	0	0.00	1	3.89
Pierce	0	0.00	1	27.39	1	35.63	0	0.00	2	15.70
Ramsey	0	0.00	3	32.88	1	11.98	3	41.65	7	21.01
Ransom	1	22.67	6	140.65	0	0.00	2	63.25	9	58.03
Renville	1	40.39	0	0.00	0	0.00	1	61.12	2	23.25
Richland	2	16.30	5	37.61	3	24.64	1	9.38	11	22.73
Rolette	3	25.21	8	60.70	5	39.54	3	22.63	19	37.27
Sargent	3	76.45	1	28.86	1	36.50	1	42.88	6	48.15
Sheridan	1	58.41	1	63.73	0	0.00	0	0.00	2	36.98
Sioux	4	100.48	11	254.87	2	45.35	3	65.49	20	115.69
Slope	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Stark	6	30.48	8	39.31	3	17.55	2	13.63	19	26.46
Steele	1	49.95	1	54.32	1	68.07	0	0.00	3	45.86
Stutsman	9	55.88	3	18.50	2	14.40	2	17.45	16	27.74
Towner	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Trail	2	33.13	1	16.36	1	18.57	0	0.00	4	18.00
Walsh	5	49.32	9	85.42	4	42.31	3	36.41	21	54.73
Ward	14	29.55	16	32.69	10	23.99	10	26.63	50	28.48
Wells	3	68.56	1	23.56	2	59.99	2	76.89	8	54.96
Williams	7	37.51	6	29.66	6	37.20	3	21.97	22	32.03
North Dakota	168	35.38	180	36.26	128	29.19	104	26.77	580	32.25

Source: Centers for Disease Control and Prevention, National Center for Health Statistics

Table 19: Child Deaths and Rates - Unintentional Injury - Ages 1 - 9

County	1979-1983		1984-1988		1989-1993		1994-1998		1979-1998	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Adams	0	0.00	1	42.83	0	0.00	0	0.00	1	12.42
Barnes	0	0.00	5	58.71	2	27.26	0	0.00	7	22.71
Benson	7	102.91	5	68.01	0	0.00	0	0.00	12	44.99
Billings	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Bottineau	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Bowman	2	61.58	1	33.19	0	0.00	1	58.45	4	39.32
Burke	0	0.00	1	46.77	2	131.06	0	0.00	3	42.46
Burleigh	4	9.70	7	15.52	3	6.98	4	9.99	18	10.63
Cass	8	13.47	5	7.38	3	4.45	3	4.63	19	7.33
Cavalier	0	0.00	1	21.91	0	0.00	0	0.00	1	6.27
Dickey	1	20.55	0	0.00	0	0.00	0	0.00	1	6.25
Divide	1	49.68	0	0.00	1	64.35	0	0.00	2	29.93
Dunn	3	83.68	2	53.81	3	97.06	3	116.60	11	84.84
Eddy	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Emmons	0	0.00	0	0.00	0	0.00	1	46.04	1	8.11
Foster	0	0.00	0	0.00	2	73.21	0	0.00	2	17.17
Golden Valley	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Grand Forks	8	16.12	5	9.38	1	2.02	2	4.59	16	8.16
Grant	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Griggs	1	43.31	0	0.00	0	0.00	1	62.77	2	24.33
Hettinger	0	0.00	1	39.09	0	0.00	1	62.70	2	22.54
Kidder	1	36.21	1	39.02	0	0.00	0	0.00	2	22.44
LaMoure	3	68.63	1	24.40	1	30.26	0	0.00	5	34.68
Logan	2	95.74	0	0.00	0	0.00	0	0.00	2	29.70
McHenry	2	38.65	1	20.12	0	0.00	0	0.00	3	17.32
McIntosh	0	0.00	1	40.88	0	0.00	0	0.00	1	11.58
McKenzie	0	0.00	2	29.18	2	38.02	3	68.24	7	30.11
McLean	3	32.05	0	0.00	2	29.47	1	17.93	6	19.66
Mercer	0	0.00	1	10.15	0	0.00	0	0.00	1	3.03
Morton	3	15.09	2	10.00	2	11.79	8	53.29	15	20.87
Mountrail	1	16.76	2	33.54	0	0.00	2	45.38	5	23.51
Nelson	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Oliver	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Pembina	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Pierce	0	0.00	1	27.39	1	35.63	0	0.00	2	15.70
Ramsev	0	0.00	1	10.96	0	0.00	2	27.77	3	9.00
Ransom	0	0.00	4	93.76	0	0.00	1	31.63	5	32.24
Renville	0	0.00	0	0.00	0	0.00	1	61.12	1	11.62
Richland	1	8.15	1	7.52	0	0.00	0	0.00	2	4.13
Rolette	3	25.21	6	45.53	3	23.73	1	7.54	13	25.50
Sargent	1	25.48	0	0.00	1	36.50	0	0.00	2	16.05
Sheridan	1	58.41	0	0.00	0	0.00	0	0.00	1	18.49
Sioux	2	50.24	7	162.19	1	22.68	2	43.66	12	69.41
Slope	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Stark	3	15.24	5	24.57	1	5.85	1	6.81	10	13.93
Steele	1	49.95	1	54.32	0	0.00	0	0.00	2	30.58
Stutsman	4	24.84	0	0.00	0	0.00	1	8.72	5	8.67
Towner	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Traill	1	16.57	0	0.00	1	18.57	0	0.00	2	9.00
Walsh	0	0.00	3	28.47	0	0.00	0	0.00	3	7.82
Ward	6	12.66	7	14.30	5	11.99	5	13.31	23	13.10
Wells	2	45.70	1	23.56	2	59.99	1	38.45	6	41.22
Williams	4	21.44	1	4.94	1	6.20	2	14.65	8	11.65
North Dakota	79	16.64	83	16.72	40	9.12	47	12.10	249	13.85

Source: Centers for Disease Control and Prevention, National Center for Health Statistics

Table 20: Child Deaths and Rates - Motor Vehicles - Ages 1 - 9

County	1979-1983		1984-1988		1989-1993		1994-1998		1979-1998	
	Number	Rate								
Adams	0	0.00	1	42.83	0	0.00	0	0.00	1	12.42
Barnes	0	0.00	5	58.71	0	0.00	0	0.00	5	16.22
Benson	3	44.10	1	13.60	0	0.00	0	0.00	4	15.00
Billings	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Bottineau	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Bowman	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Burke	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Burleigh	2	4.85	1	2.22	3	6.98	1	2.50	7	4.13
Cass	3	5.05	3	4.43	1	1.48	1	1.54	8	3.08
Cavalier	0	0.00	1	21.91	0	0.00	0	0.00	1	6.27
Dickey	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Divide	0	0.00	0	0.00	1	64.35	0	0.00	1	14.82
Dunn	1	27.89	1	26.90	2	64.70	2	77.73	6	46.05
Eddy	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Emmons	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Foster	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Golden Valley	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Grand Forks	4	8.06	3	5.63	1	2.02	0	0.00	8	4.08
Grant	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Griggs	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Hettinger	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Kidder	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
LaMoure	3	68.63	1	24.40	0	0.00	0	0.00	4	27.74
Logan	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
McHenry	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
McIntosh	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
McKenzie	0	0.00	2	29.18	1	19.01	0	0.00	3	12.89
McLean	1	10.68	0	0.00	1	14.73	1	17.93	3	9.83
Mercer	0	0.00	1	10.15	0	0.00	0	0.00	1	3.03
Morton	1	5.03	1	5.00	0	0.00	1	6.66	3	4.17
Mountrail	1	16.76	0	0.00	0	0.00	0	0.00	1	4.70
Nelson	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Oliver	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Pembina	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Pierce	0	0.00	1	27.39	0	0.00	0	0.00	1	7.85
Ramsey	0	0.00	1	10.96	0	0.00	0	0.00	1	3.00
Ransom	0	0.00	1	23.44	0	0.00	0	0.00	1	6.45
Renville	0	0.00	0	0.00	0	0.00	1	61.12	1	11.62
Richland	1	8.15	1	7.52	0	0.00	0	0.00	2	4.13
Rolette	2	16.81	2	15.18	1	7.91	0	0.00	5	9.81
Sargent	1	25.48	0	0.00	0	0.00	0	0.00	1	8.03
Sheridan	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Sioux	1	25.12	3	69.51	0	0.00	2	43.66	6	34.71
Slope	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Stark	2	10.16	1	4.91	0	0.00	1	6.81	4	5.57
Steele	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Stutsman	3	18.63	0	0.00	0	0.00	0	0.00	3	5.20
Towner	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Traill	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Walsh	0	0.00	2	18.98	0	0.00	0	0.00	2	5.21
Ward	3	6.33	3	6.13	1	2.40	3	7.99	10	5.70
Wells	0	0.00	0	0.00	2	59.99	0	0.00	2	13.68
Williams	0	0.00	0	0.00	0	0.00	1	7.32	1	1.46
North Dakota	32	6.74	36	7.25	14	3.19	14	3.60	96	5.34

Source: Centers for Disease Control and Prevention, National Center for Health Statistics

Table 21: Children Receiving Food Stamps by County

County	1995		1996		1997		1998		1999	
	Number	Percent								
Adams	87	1.3%	75	11.4%	62	10.0%	55	8.9%	41	6.9%
Barnes	468	16.0%	479	16.9%	490	17.7%	440	15.8%	413	15.1%
Benson	1,242	51.7%	1,198	50.7%	1,092	47.8%	1,065	45.6%	1,084	46.2%
Billings	12	3.5%	9	2.7%	9	2.8%	16	5.2%	19	6.3%
Bottineau	317	16.4%	263	14.5%	262	14.8%	253	15.0%	244	14.5%
Bowman	66	7.8%	52	6.3%	44	5.4%	51	6.5%	65	8.4%
Burke	78	13.2%	72	13.2%	66	12.9%	57	12.0%	53	11.7%
Burleigh	2,744	15.8%	2,464	14.2%	2,465	14.2%	2,391	14.1%	2,464	14.5%
Cass	3,902	14.2%	3,746	13.5%	3,585	13.0%	3,569	12.7%	3,697	13.1%
Cavalier	118	8.3%	119	9.4%	124	10.3%	133	11.5%	145	13.4%
Dickey	297	20.7%	237	17.8%	217	16.7%	220	16.7%	209	16.0%
Divide	80	13.9%	67	12.6%	51	10.3%	61	12.7%	44	9.7%
Dunn	122	10.8%	114	10.6%	111	10.8%	119	12.0%	113	11.9%
Eddy	104	15.5%	100	15.4%	84	13.2%	82	12.5%	70	11.1%
Emmons	91	8.2%	67	6.5%	64	6.4%	62	6.6%	44	4.8%
Foster	130	13.0%	145	15.1%	161	17.6%	120	13.0%	112	12.4%
Golden Valley	53	9.5%	51	9.6%	58	11.1%	70	14.2%	59	12.4%
Grand Forks	2,976	15.4%	2,790	14.7%	2,582	14.2%	2,733	15.7%	2,810	16.8%
Grant	100	12.6%	100	13.5%	95	13.5%	102	15.2%	87	13.7%
Griggs	121	16.4%	110	16.0%	91	14.2%	81	12.5%	82	13.2%
Hettinger	115	15.5%	100	14.3%	90	13.3%	61	9.5%	41	6.6%
Kidder	79	9.9%	66	8.8%	64	8.9%	56	8.3%	43	6.6%
LaMoure	128	9.9%	130	10.8%	118	10.1%	89	7.9%	80	7.3%
Logan	53	9.1%	49	9.2%	45	8.6%	54	10.7%	42	8.9%
McHenry	249	16.0%	254	17.1%	231	15.9%	240	17.0%	230	16.6%
McIntosh	94	12.8%	71	10.2%	80	11.9%	84	14.1%	65	11.1%
McKenzie	604	32.5%	615	34.2%	619	35.3%	532	31.0%	582	35.0%
McLean	377	14.0%	329	12.6%	294	11.7%	322	13.1%	344	14.2%
Mercer	200	7.0%	204	7.2%	210	7.6%	202	7.4%	204	7.7%
Morton	1,147	16.5%	1,145	16.9%	1,135	17.0%	1,191	18.2%	1,182	18.3%
Mountrail	491	25.3%	442	23.0%	434	23.4%	441	23.8%	510	28.2%
Nelson	89	10.0%	68	8.3%	75	9.6%	61	8.3%	54	7.5%
Oliver	43	6.2%	45	6.7%	47	7.1%	54	8.4%	52	8.3%
Pembina	490	21.2%	432	19.5%	386	17.9%	354	16.8%	289	14.2%
Pierce	198	18.0%	161	14.9%	157	15.2%	154	15.0%	168	16.6%
Ramsey	803	24.7%	781	25.1%	726	23.9%	685	23.7%	743	25.7%
Ransom	136	9.7%	124	9.2%	113	8.5%	81	6.1%	86	6.5%
Renville	76	10.2%	59	8.3%	60	8.6%	65	9.5%	80	11.9%
Richland	807	15.8%	807	16.4%	702	14.5%	703	14.3%	667	14.0%
Rolette	3,117	60.2%	2,979	55.6%	2,950	55.5%	2,887	53.6%	2,825	52.4%
Sargent	133	11.8%	135	12.4%	137	12.9%	112	10.5%	109	10.7%
Sheridan	87	20.1%	82	20.9%	70	18.8%	67	19.8%	60	17.9%
Sioux	1,063	61.0%	1,024	58.7%	974	56.4%	1,047	58.8%	1,058	59.5%
Slope	24	9.9%	6	2.7%	10	4.4%	10	4.4%	14	6.3%
Stark	1,161	17.6%	1,124	17.8%	1,032	16.6%	974	16.0%	989	16.6%
Steele	78	14.0%	79	14.6%	75	14.5%	61	11.9%	80	16.1%
Stutsman	909	16.7%	792	15.2%	713	14.1%	745	15.2%	722	14.8%
Towner	117	14.1%	112	14.1%	101	13.6%	110	15.1%	94	13.2%
Trail	462	21.5%	413	19.5%	398	19.5%	347	16.8%	366	17.7%
Walsh	872	25.9%	861	26.6%	782	22.8%	770	22.7%	721	21.7%
Ward	2,594	16.1%	2,579	16.0%	2,456	15.7%	2,430	15.8%	2,493	16.3%
Wells	174	14.4%	166	14.6%	158	41.2%	149	13.8%	103	9.9%
Williams	1,160	19.7%	1,056	18.4%	956	17.1%	954	17.6%	993	18.9%
North Dakota	31,238	18.2%	29,548	17.5%	28,111	17.0%	27,772	17.1%	27,944	17.4%

Source: Kids Count

Table 22: Children Receiving Free and Reduced-Price School Lunch

County	1995		1996		1997		1998		1999	
	Number	Percent								
Adams	160	29.1	182	34.9	178	33.5%	167	31.5%	153	32.4%
Barnes	606	29.1	578	28.2	597	29.5%	569	28.0%	568	29.6%
Benson	889	28.3	1,020	64.7	1,106	68.5%	1,043	65.8%	1,050	70.5%
Billings	48	41.7	42	36.8	35	32.1%	39	36.1%	36	38.3%
Bottineau	380	28.1	378	28.3	378	27.9%	391	29.9%	416	34.4%
Bowman	210	27.3	193	24.6	192	23.9%	191	23.9%	212	28.0%
Burke	150	30.4	132	29.5	119	27.6%	127	31.3%	122	32.5%
Burleigh	2,122	17.7	2,156	18.0	2,182	18.5%	2,175	18.2%	2,105	17.5%
Cass	3,394	18.1	3,451	18.3	3,459	18.9%	3,337	17.8%	3,437	17.4%
Cavalier	308	29.4	305	29.5	316	31.0%	309	30.4%	296	31.9%
Dickey	282	29.5	296	30.3	279	29.0%	276	30.4%	299	30.7%
Divide	124	26.4	111	24.7	123	29.9%	145	35.5%	149	42.0%
Dunn	209	31.6	241	36.2	239	37.0%	235	37.1%	243	40.1%
Eddy	209	33.8	209	34.4	198	33.5%	193	32.6%	194	34.2%
Emmons	346	42.0	345	43.1	357	43.8%	350	42.9%	365	45.5%
Foster	147	21.2	145	19.9	154	21.0%	138	18.7%	135	18.1%
Golden Valley	358	64.3	343	62.1	337	58.2%	332	54.9%	306	58.7%
Grand Forks	3,214	26.1	3,233	25.9	3,016	24.6%	2,847	24.5%	2,834	25.5%
Grant	325	59.4	332	65.9	346	67.7%	336	67.3%	338	72.1%
Griggs	227	32.5	235	35.0	214	31.7%	229	35.7%	208	34.2%
Hettinger	327	44.3	328	45.4	303	44.0%	300	44.6%	263	43.4%
Kidder	245	39.3	258	42.0	238	40.2%	228	41.1%	220	43.6%
LaMoure	422	36.4	424	35.9	432	39.2%	385	35.3%	409	39.3%
Logan	183	34.3	188	36.7	198	39.9%	192	38.8%	176	38.7%
McHenry	446	34.3	427	33.9	423	34.5%	385	32.8%	400	34.6%
McIntosh	295	45.2	276	41.2	247	41.5%	229	39.2%	227	40.8%
McKenzie	445	37.5	392	32.2	493	41.5%	327	27.7%	451	40.7%
McLean	626	27.0	616	26.9	622	27.8%	583	27.2%	598	29.4%
Mercer	296	13.2	279	12.5	260	11.3%	234	10.8%	248	12.0%
Morton	1,631	30.4	1,645	31.1	1,631	31.3%	1,583	29.9%	1,565	30.8%
Mountrail	844	50.8	851	51.8	923	56.3%	881	53.7%	917	58.1%
Nelson	311	34.1	324	40.2	269	35.3%	291	40.5%	245	34.9%
Oliver	73	17.7	66	16.0	69	18.9%	65	18.6%	48	15.0%
Pembina	427	21.2	439	21.5	427	22.3%	426	22.6%	426	24.7%
Pierce	281	27.9	282	28.3	287	30.2%	254	26.9%	277	30.4%
Ramsey	988	36.2	973	36.7	954	36.0%	866	33.6%	889	34.8%
Ransom	207	16.4	222	17.7	188	14.4%	210	17.3%	212	18.4%
Renville	211	25.6	214	26.2	194	24.3%	259	35.0%	287	38.2%
Richland	896	24.0	909	24.7	1,032	28.2%	918	26.4%	879	26.1%
Rolette	2,507	61.3	2,506	63.2	2,466	60.2%	2,406	61.5%	2,570	66.9%
Sargent	165	20.0	149	17.9	163	19.0%	162	18.6%	158	18.7%
Sheridan	89	36.2	93	38.6	114	47.3%	105	45.5%	104	50.7%
Sioux	1,042	78.4	1,072	77.3	1,048	78.9%	981	71.7%	1,043	80.4%
Slope	0	0.0	0	0.0	0	0.0%	0	0.0%	0	0.0%
Stark	1,583	31.3	1,596	31.8	1,505	30.7%	1,486	31.4%	1,450	30.7%
Steele	108	27.1	97	25.5	117	32.7%	127	35.5%	121	35.5%
Stutsman	1,004	26.1	1,008	26.9	1,084	29.9%	1,013	28.9%	975	27.5%
Towner	220	33.8	231	36.4	229	39.0%	251	44.7%	206	40.1%
Traill	354	19.1	382	20.8	354	19.6%	350	19.5%	443	25.1%
Walsh	732	28.7	727	29.1	779	30.9%	786	32.0%	723	31.1%
Ward	3,142	29.8	3,074	28.9	3,066	29.6%	2,900	28.3%	3,098	29.2%
Wells	336	31.4	327	30.3	333	30.9%	269	24.6%	275	27.9%
Williams	1,177	26.5	1,149	26.1	1,079	25.1%	1,043	25.2%	1,050	27.3%
North Dakota	35,321	28.3	35,451	28.6	35,352	29.0%	33,924	28.2%	34,419	29.1%

Source: Kids Count

Table 23: Children Enrolled in WIC by County

County	1995		1996		1997		1998		1999		2000	
	Num	Pct*										
Adams	104	23.9%	118	27.1%	101	23.2%	105	24.1%	78	17.9%	77	17.7%
Barnes	385	16.3%	411	17.4%	395	16.7%	422	17.9%	350	14.8%	356	15.1%
Benson	88	5.6%	71	4.6%	648	41.5%	685	43.9%	506	32.4%	578	37.1%
Billings	1	0.6%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Bottineau	140	12.0%	133	11.4%	140	12.0%	149	12.8%	144	12.4%	140	12.0%
Bowman	127	21.9%	136	23.5%	135	23.3%	142	24.5%	134	23.1%	128	22.1%
Burke	46	14.1%	38	11.6%	40	12.2%	42	12.8%	22	6.7%	41	12.5%
Burleigh	1,824	10.8%	1,906	11.2%	1,955	11.5%	2,122	12.5%	1,913	11.3%	1,806	10.7%
Cass	3,408	10.0%	3,278	9.6%	3,415	10.0%	3,688	10.8%	3,441	10.1%	3,493	10.3%
Cavalier	207	28.0%	189	25.6%	187	25.3%	199	26.9%	185	25.0%	165	22.3%
Dickey	192	16.3%	151	12.8%	133	11.3%	139	11.8%	120	10.2%	119	10.1%
Divide	30	9.9%	29	9.6%	33	10.9%	36	11.9%	35	11.6%	27	8.9%
Dunn	49	7.3%	65	9.6%	71	10.5%	77	11.4%	65	9.6%	48	7.1%
Eddy	91	18.5%	87	17.7%	74	15.0%	77	15.7%	85	17.3%	74	15.0%
Emmons	215	29.4%	206	28.1%	207	28.3%	220	30.1%	232	31.7%	226	30.9%
Foster	268	36.5%	252	34.3%	245	33.4%	261	35.6%	238	32.4%	218	29.7%
Golden Valley	89	24.6%	81	22.4%	85	23.5%	92	25.4%	87	24.0%	90	24.9%
Grand Forks	3,443	19.5%	3,394	19.2%	3,542	20.1%	3,798	21.5%	3,292	18.6%	3,104	17.6%
Grant	79	18.6%	68	16.0%	84	19.8%	90	21.2%	89	21.0%	90	21.2%
Griggs	111	25.6%	136	31.4%	125	28.9%	132	30.5%	116	26.8%	116	26.8%
Hettinger	135	32.5%	110	26.5%	107	25.8%	114	27.5%	91	21.9%	90	21.7%
Kidder	107	22.7%	97	20.6%	110	23.4%	119	25.3%	112	23.8%	111	23.6%
LaMoure	154	19.7%	142	18.2%	127	16.2%	134	17.1%	101	12.9%	88	11.3%
Logan	67	17.9%	79	21.1%	79	21.1%	84	22.5%	87	23.3%	83	22.2%
McHenry	156	14.7%	134	12.6%	159	15.0%	172	16.2%	184	17.3%	185	17.4%
McIntosh	109	22.1%	79	16.0%	111	22.5%	121	24.5%	123	24.9%	109	22.1%
McKenzie	89	7.9%	92	8.1%	101	8.9%	108	9.5%	101	8.9%	114	10.1%
McLean	258	15.8%	222	13.6%	257	15.7%	276	16.9%	263	16.1%	248	15.2%
Mercer	178	10.6%	246	14.6%	170	10.1%	180	10.7%	130	7.7%	108	6.4%
Morton	838	14.4%	841	14.4%	863	14.8%	926	15.9%	860	14.8%	830	14.2%
Mountrail	87	6.5%	116	8.7%	117	8.7%	127	9.5%	97	7.2%	107	8.0%
Nelson	116	21.3%	67	12.3%	104	19.1%	113	20.7%	108	19.8%	99	18.2%
Oliver	0	0.0%	2	0.6%	1	0.3%	1	0.3%	0	0.0%	0	0.0%
Pembina	297	18.9%	356	22.6%	349	22.2%	379	24.1%	375	23.8%	365	23.2%
Pierce	140	16.5%	149	17.6%	155	18.3%	167	19.7%	169	19.9%	152	17.9%
Ramsey	689	27.5%	659	26.3%	644	25.7%	686	27.4%	609	24.3%	622	24.8%
Ransom	192	16.4%	169	14.5%	190	16.3%	203	17.4%	225	19.2%	191	16.3%
Renville	65	14.5%	51	11.4%	53	11.8%	56	12.5%	65	14.5%	64	14.3%
Richland	527	13.7%	486	12.6%	413	10.7%	430	11.2%	450	11.7%	410	10.7%
Rolette	1,851	52.9%	1,827	52.3%	1,956	55.9%	2,084	59.6%	1,923	55.0%	1,918	54.9%
Sargent	167	20.5%	164	20.1%	144	17.7%	153	18.8%	129	15.8%	107	13.1%
Sheridan	63	26.1%	67	27.8%	70	29.0%	74	30.7%	66	27.4%	60	24.9%
Sioux	41	3.7%	14	1.3%	12	1.1%	12	1.1%	4	0.4%	4	0.4%
Slope	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Stark	1,141	22.1%	1,133	22.0%	1,155	22.4%	1,235	24.0%	1,176	22.8%	1,132	22.0%
Steele	77	19.2%	68	16.9%	50	12.4%	87	21.6%	87	21.6%	82	20.4%
Stutsman	848	18.1%	885	18.9%	869	18.6%	928	19.8%	835	17.9%	946	20.2%
Towner	83	16.7%	76	15.3%	74	14.9%	79	15.9%	74	14.9%	54	10.8%
Traill	283	16.2%	261	14.9%	281	16.1%	300	17.2%	280	16.0%	322	18.4%
Walsh	755	30.8%	725	29.6%	735	30.0%	786	32.1%	728	29.7%	790	32.2%
Ward	2,884	18.7%	3,069	20.0%	3,170	20.6%	3,431	22.3%	3,296	21.4%	3,165	20.6%
Wells	123	14.4%	147	17.2%	127	14.9%	133	15.6%	107	12.5%	126	14.8%
Williams	907	21.9%	905	21.8%	885	21.4%	941	22.7%	845	20.4%	922	22.3%
North Dakota	24,296	16.3%	24,187	16.2%	25,283	17.0%	27,115	18.2%	24,832	16.7%	24,500	16.5%

Source: Kids Count

*Percentage of females age 20 to 44 and children younger than 5, from 2000 U.S. Census

Table 24: Children Enrolled in Medicaid by County

County	1994		1995		1996		1997		1998		1999	
	Enroll	Pct	Enroll	Pct.	Enroll	Pct.	Enroll	Pct	Enroll	Pct	Enroll	Pct
Adams	116	15.1%	101	13.4%	114	15.0%	86	11.6%	88	12.3%	74	11.2%
Barnes	571	16.4%	536	15.4%	619	18.0%	650	19.0%	582	17.3%	558	16.8%
Benson	1,384	51.9%	1,318	49.1%	1,369	52.3%	1,277	48.6%	1,251	46.9%	1,266	45.5%
Billings	23	5.9%	29	7.4%	25	6.5%	23	6.2%	32	9.0%	28	11.6%
Bottineau	387	17.5%	401	18.3%	327	15.7%	327	15.8%	320	16.0%	310	15.7%
Bowman	90	9.5%	83	8.9%	80	8.8%	72	7.8%	85	9.4%	92	10.6%
Burke	87	13.3%	87	13.8%	91	15.1%	74	13.0%	65	11.9%	73	14.1%
Burleigh	3,377	16.9%	3,320	16.4%	3,065	15.3%	3,159	15.7%	3,050	15.2%	3,131	14.9%
Cass	5,139	15.5%	4,860	14.5%	4,733	14.1%	4,668	13.8%	4,845	14.1%	5,088	13.9%
Cavalier	149	9.6%	137	9.2%	153	10.8%	149	10.9%	148	11.2%	171	13.3%
Dickey	338	20.0%	316	19.1%	276	17.1%	294	18.4%	278	17.5%	265	16.0%
Divide	85	13.7%	91	15.0%	76	13.1%	70	12.5%	65	12.0%	53	10.4%
Dunn	130	10.6%	134	11.0%	152	12.9%	142	12.4%	133	11.9%	147	13.4%
Eddy	132	17.9%	140	19.1%	142	18.9%	108	14.5%	133	17.9%	117	16.0%
Emmons	85	6.9%	103	8.4%	99	8.6%	89	7.9%	79	7.2%	51	4.4%
Foster	135	12.1%	169	15.1%	173	15.7%	171	16.1%	151	14.2%	145	13.3%
G Valley	80	13.0%	73	11.9%	83	13.8%	95	16.1%	109	19.1%	75	12.6%
G Forks	3,270	13.6%	3,029	12.7%	2,974	12.8%	2,839	12.5%	3,105	14.2%	3,212	14.9%
Grant	126	14.1%	100	11.4%	88	10.6%	100	12.5%	90	11.6%	96	13.2%
Griggs	143	17.4%	148	18.4%	139	17.9%	121	16.2%	100	13.5%	103	14.6%
Hettinger	150	18.1%	134	16.6%	122	15.7%	110	14.4%	95	12.9%	52	7.5%
Kidder	102	11.4%	92	10.5%	93	11.0%	81	10.0%	76	9.7%	76	10.7%
Lamoure	133	9.3%	149	10.7%	162	11.7%	167	12.4%	116	8.9%	106	8.3%
Logan	80	12.2%	60	9.6%	68	11.1%	55	9.1%	54	9.2%	44	7.8%
McHenry	325	18.7%	282	16.3%	312	18.5%	296	17.8%	309	19.0%	282	17.5%
McIntosh	101	12.3%	105	13.1%	98	13.1%	90	12.5%	100	14.8%	92	12.2%
McKenzie	651	31.9%	595	29.7%	641	32.2%	637	32.5%	624	32.1%	645	33.3%
McLean	478	16.0%	475	16.0%	451	15.7%	452	15.9%	430	15.3%	425	17.2%
Mercer	286	9.2%	278	8.9%	288	9.2%	274	8.8%	260	8.5%	263	9.6%
Morton	1,511	19.4%	1,379	17.6%	1,422	18.6%	1,413	18.6%	1,514	19.9%	1,469	18.9%
Mountrail	605	27.4%	554	24.9%	538	24.7%	551	25.7%	524	24.6%	632	30.5%
Nelson	96	9.8%	98	10.2%	93	10.3%	93	10.6%	81	9.7%	72	8.1%
Oliver	42	5.4%	54	7.1%	63	8.4%	56	7.6%	53	7.2%	63	10.0%
Pembina	429	16.7%	353	13.9%	360	14.2%	356	14.3%	287	11.9%	228	9.4%
Pierce	226	17.8%	218	17.1%	200	16.0%	203	16.8%	232	19.4%	240	19.2%
Ramsey	925	25.0%	866	23.6%	899	25.1%	860	24.3%	851	24.6%	899	25.3%
Ransom	196	12.5%	194	12.5%	148	9.4%	135	8.6%	132	8.5%	121	7.4%
Renville	71	8.4%	70	8.5%	83	10.1%	79	9.7%	83	10.4%	91	13.4%
Richland	790	12.9%	783	12.8%	812	13.5%	787	13.1%	810	13.5%	779	12.8%
Rolette	3,364	58.1%	3,269	54.7%	3,204	53.4%	3,260	54.0%	3,234	53.0%	3,096	54.7%
Sargent	134	10.5%	168	13.0%	173	13.9%	165	13.3%	146	11.8%	141	11.3%
Sheridan	93	19.2%	86	18.3%	81	18.8%	64	15.9%	89	23.1%	75	18.5%
Sioux	1,233	65.1%	1,240	64.4%	1,208	61.3%	1,095	55.8%	1,192	59.4%	1,164	63.1%
Slope	18	6.7%	28	10.6%	13	5.0%	14	5.3%	24	9.0%	20	9.4%
Stark	1,397	18.7%	1,342	18.3%	1,384	19.2%	1,334	18.6%	1,338	18.7%	1,349	18.9%
Steele	90	14.3%	80	13.0%	90	14.7%	100	16.6%	78	13.2%	75	11.1%
Stutsman	1,188	18.7%	1,078	17.3%	1,019	17.2%	955	16.3%	1,007	17.4%	1,032	16.7%
Towner	179	19.3%	143	15.5%	135	15.1%	141	16.5%	143	17.2%	113	14.7%
Traill	450	17.6%	429	16.6%	373	14.7%	368	14.7%	359	14.5%	380	14.9%
Walsh	763	20.4%	744	20.0%	732	18.4%	678	17.1%	713	18.4%	753	21.6%
Ward	2,829	15.2%	2,701	14.3%	2,865	15.0%	2,866	15.3%	2,928	15.9%	3,073	16.4%
Wells	226	16.6%	210	15.8%	208	16.1%	189	14.9%	190	15.2%	151	11.8%
Williams	1,253	19.0%	1,228	18.8%	1,211	19.0%	1,136	18.1%	1,167	18.8%	1,179	19.5%
Total	36,274	18.2%	34,560	17.4%	34,327	17.4%	33,574	17.2%	33,948	17.5%	34,235	17.5%

Source: Kids Count

Table 25: Child Abuse and Neglect by County

County	1996		1997		1998		1999	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Adams	13	2.0%	17	2.7%	15	2.4%	17	2.9%
Barnes	81	2.9%	108	3.9%	101	3.6%	110	4.0%
Benson	9	0.4%	16	0.7%	42	1.8%	16	0.7%
Billings	10	3.0%	4	1.3%	2	0.7%	2	0.7%
Bottineau	53	3.0%	55	3.1%	65	3.9%	37	2.2%
Bowman	21	2.6%	14	1.7%	16	2.0%	7	0.9%
Burke	9	1.7%	14	2.8%	15	3.2%	18	40.0%
Burleigh	712	4.1%	721	4.2%	736	4.4%	778	4.6%
Cass	1,501	5.5%	1,472	5.3%	1,566	5.6%	1,622	5.8%
Cavalier	44	3.5%	34	2.8%	24	2.1%	15	1.4%
Dickey	37	2.8%	27	2.1%	40	3.0%	30	2.3%
Divide	17	3.3%	12	2.4%	19	4.0%	16	3.5%
Dunn	29	2.8%	18	1.8%	28	2.8%	37	3.9%
Eddy	10	1.6%	32	5.0%	19	2.9%	4	0.6%
Emmons	18	1.8%	20	2.0%	11	1.2%	34	3.7%
Foster	25	2.7%	20	2.2%	32	3.5%	10	1.1%
Golden Valley	121	2.3%	21	4.0%	7	1.4%	11	2.3%
Grand Forks	982	5.3%	1,044	5.7%	1,251	7.2%	1,145	6.8%
Grant	14	1.9%	15	2.1%	7	1.0%	15	2.4%
Griggs	26	3.9%	24	3.8%	19	2.9%	23	3.7%
Hettinger	14	2.0%	19	2.8%	12	1.9%	8	1.3%
Kidder	13	1.8%	15	2.1%	31	4.6%	23	3.5%
LaMoure	16	1.3%	7	0.6%	13	1.2%	15	1.4%
Logan	5	1.0%	6	1.2%	5	1.0%	1	0.2%
McHenry	46	3.1%	83	5.7%	49	3.5%	47	3.4%
McIntosh	5	0.7%	10	1.5%	8	1.3%	3	0.5%
McKenzie	46	2.6%	32	1.8%	66	3.9%	31	1.9%
McLean	49	1.9%	43	1.7%	29	1.2%	37	1.5%
Mercer	41	1.5%	30	1.1%	36	1.3%	42	1.6%
Morton	250	3.7%	317	4.8%	390	6.0%	346	5.4%
Mountrail	22	1.2%	38	2.1%	31	1.7%	41	2.3%
Nelson	15	1.9%	44	5.7%	30	4.1%	43	6.0%
Oliver	7	1.1%	21	3.2%	17	2.6%	16	2.6%
Pembina	69	3.1%	93	4.3%	86	4.1%	74	3.6%
Pierce	17	1.6%	28	2.7%	20	1.9%	29	2.9%
Ramsey	183	5.9%	174	5.7%	199	6.7%	194	6.7%
Ransom	55	4.1%	37	2.8%	10	0.8%	17	1.3%
Renville	12	1.7%	6	0.9%	6	0.9%	9	1.3%
Richland	209	4.3%	187	3.9%	235	4.8%	159	3.3%
Rolette	105	2.0%	96	1.8%	88	1.6%	107	2.0%
Sargent	18	1.7%	20	1.9%	23	2.2%	32	3.1%
Sheridan	3	0.8%	6	1.6%	8	2.4%	4	1.2%
Sioux	0	0.0%	4	0.2%	3	0.2%	1	0.1%
Slope	1	0.5%	0	0.0%	4	1.7%	8	3.6%
Stark	343	5.5%	396	6.4%	275	4.5%	274	4.6%
Steele	14	2.7%	11	2.1%	11	2.2%	18	3.6%
Stutsman	166	3.3%	173	3.4%	179	3.7%	194	4.0%
Towner	27	3.5%	33	4.4%	42	5.8%	23	3.2%
Trails	69	3.3%	70	3.4%	66	3.2%	47	2.3%
Walsh	210	6.1%	253	7.4%	163	4.8%	145	4.4%
Ward	799	5.0%	782	5.0%	929	6.0%	921	6.0%
Wells	21	1.9%	21	1.9%	25	2.3%	13	1.3%
Williams	251	4.5%	223	4.0%	234	4.3%	205	3.9%
North Dakota	6,724	4.0%	6,966	4.2%	7,341	4.5%	7,074	4.4%

Source: Kids Count

Table 26: Congenital Anomalies by County, 1994 - 2000

County	Births	Total Congenital Anomalies		Births With Congenital Anomalies	
		Total CAs	Rate/1000	Births w/CAs	Rate/1000
Adams	157	7	44.6	6	38.2
Barnes	848	26	30.7	25	29.5
Benson	850	33	38.8	32	37.6
Billings	55	0	0.0	0	0.0
Bottineau	388	18	46.4	14	36.1
Bowman	212	9	42.5	9	42.5
Burke	120	2	16.7	2	16.7
Burleigh	6,004	114	19.0	88	14.7
Cass	11,287	160	14.2	139	12.3
Cavalier	287	6	20.9	6	20.9
Dickey	434	14	32.3	14	32.3
Divide	95	1	10.5	1	10.5
Dunn	240	0	0.0	1	4.2
Eddy	193	6	31.1	6	31.1
Emmons	315	8	25.4	7	22.2
Foster	287	6	20.9	6	20.9
Golden Valley	140	3	21.4	3	21.4
Grand Forks	7,086	82	11.6	74	10.4
Grant	172	7	40.7	6	34.9
Griggs	173	3	17.3	3	17.3
Hettinger	168	8	47.6	8	47.6
Kidder	173	2	11.6	1	5.8
LaMoure	288	9	31.3	8	27.8
Logan	167	2	12.0	2	12.0
McHenry	400	8	20.0	7	17.5
McIntosh	221	3	13.6	3	13.6
McKenzie	494	16	32.4	10	20.2
McLean	596	9	15.1	6	10.1
Mercer	588	7	11.9	7	11.9
Morton	2,115	45	21.3	32	15.1
Mountrail	653	13	19.9	12	18.4
Nelson	201	5	24.9	4	19.9
Oliver	202	0	0.0	0	0.0
Pembina	821	19	23.1	17	20.7
Pierce	386	7	18.1	7	18.1
Ramsey	662	37	55.9	35	52.9
Ransom	890	9	10.1	8	9.0
Renville	967	1	1.0	1	1.0
Richland	880	27	30.7	22	25.0
Rolette	1,384	74	53.5	60	43.4
Sargent	341	5	14.7	4	11.7
Sheridan	84	5	59.5	4	47.6
Sioux	638	14	21.9	14	21.9
Slope	57	2	35.1	2	35.1
Stark	1,933	39	20.2	33	17.1
Steele	151	8	53.0	8	53.0
Stutsman	1,559	18	11.5	17	10.9
Towner	182	7	38.5	7	38.5
Traill	641	10	15.6	6	9.4
Walsh	1,040	33	31.7	28	26.9
Ward	6,773	164	24.2	144	21.3
Wells	302	6	19.9	5	16.6
Williams	1,709	31	18.1	27	15.8
North Dakota	57,009	1,148	20.1	990	17.4

Source: NDDoH, Division of Vital Records

Table 27: Children Served by CSHS, by County

County	FY'93	FY'94	FY'95	FY'96	FY'97	FY'98	FY'99	FY'00
Adams	7	10	4	13	11	7	8	6
Barnes	7	7	16	11	33	34	36	22
Benson	42	51	50	31	84	65	49	39
Billings	3	1	2	2	1	1	1	0
Bottineau	17	16	13	8	26	18	15	12
Bowman	8	7	8	9	5	6	8	10
Burke	11	14	10	5	6	4	3	7
Burleigh	233	243	187	194	165	190	186	140
Cass	98	110	121	131	264	268	258	292
Cavalier	7	8	7	8	13	14	11	7
Dickey	7	9	6	4	6	4	6	5
Divide	2	1	5	4	3	3	2	2
Dunn	14	12	11	10	6	4	7	7
Eddy	5	9	4	5	6	7	10	10
Emmons	11	9	10	16	9	11	19	16
Foster	5	4	4	5	7	8	3	12
Golden Valley	2	2	2	3	3	4	4	3
Grand Forks	61	94	107	118	127	153	165	140
Grant	16	20	13	12	10	11	9	9
Griggs	5	2	4	4	6	11	11	12
Hettinger	12	25	21	14	13	14	14	10
Kidder	4	1	4	5	4	2	5	4
LaMoure	15	14	16	13	19	30	24	25
Logan	5	2	8	10	8	6	16	11
McHenry	25	18	20	15	17	17	21	20
McIntosh	11	10	8	5	10	9	17	7
McKenzie	2	13	13	9	6	10	15	11
McLean	38	40	40	46	31	31	36	26
Mercer	44	52	66	58	44	40	41	19
Morton	90	112	106	93	79	67	67	71
Mountrail	18	21	41	25	35	19	13	15
Nelson	7	10	12	6	7	6	11	10
Oliver	4	8	4	7	3	3	5	0
Pembina	29	24	28	26	32	20	28	21
Pierce	19	16	14	12	13	28	13	14
Ramsey	38	40	47	41	59	59	55	50
Ransom	8	7	7	7	14	13	10	11
Renville	7	7	13	7	5	6	9	5
Richland	43	37	43	28	64	63	58	44
Rolette	34	54	80	61	72	82	78	55
Sargent	4	7	7	11	9	6	7	8
Sheridan	2	9	12	6	2	2	2	3
Sioux	18	23	24	24	21	21	22	21
Slope	0	4	1	0	2	1	1	2
Stark	94	141	88	82	62	67	67	58
Steele	0	0	1	1	1	4	2	2
Stutsman	51	45	50	66	58	71	42	51
Towner	1	4	3	4	1	1	5	7
Traill	8	4	8	5	8	6	9	13
Walsh	39	41	49	55	43	46	49	41
Ward	137	149	143	134	131	116	94	92
Wells	11	14	12	13	8	10	11	8
Williams	92	111	111	88	62	50	44	25
North Dakota	1471	1692	1684	1570	1734	1,749	1702	1511

Source: Children's Special Health Services Program data

Table 28: Special Education Enrollment by County, 1995 - 1999

County	1995		1996		1997		1998		1999	
	Num	Pct								
Adams	53	10.1%	54	10.3%	43	8.4%	43	8.9%	46	9.7%
Barnes	222	10.5%	224	10.8%	243	11.9%	255	13.0%	257	13.6%
Benson	155	14.2%	163	15.4%	179	16.4%	172	16.6%	210	19.9%
Billings	16	13.7%	16	14.3%	15	14.2%	13	12.2%	14	15.1%
Bottineau	197	14.7%	198	15.0%	188	14.4%	197	15.6%	186	15.3%
Bowman	59	7.8%	64	8.4%	67	8.6%	69	8.8%	68	9.0%
Burke	56	11.5%	54	12.1%	50	11.9%	52	13.3%	55	14.7%
Burleigh	1,113	9.9%	1,159	10.3%	1,142	10.3%	1,183	10.9%	1,302	11.8%
Cass	1,753	9.5%	1,849	9.9%	1,871	9.8%	2,022	10.8%	2,097	10.9%
Cavalier	89	9.6%	97	10.5%	88	9.3%	88	10.3%	92	11.0%
Dickey	113	11.2%	104	10.4%	101	10.1%	98	10.1%	102	10.2%
Divide	23	5.0%	22	4.9%	24	5.9%	25	9.4%	19	5.2%
Dunn	52	7.9%	59	9.0%	57	9.2%	57	9.4%	59	9.8%
Eddy	81	13.3%	73	12.4%	78	13.1%	68	11.7%	61	10.6%
Emmons	111	13.8%	110	13.5%	105	12.9%	109	13.2%	100	12.5%
Foster	64	9.1%	74	9.9%	69	9.0%	67	8.7%	64	8.5%
Golden Valley	33	6.8%	30	6.4%	29	6.0%	23	5.2%	35	8.1%
Grand Forks	1,343	11.0%	1,412	11.8%	1,327	11.5%	1,313	12.4%	1,420	13.1%
Grant	31	6.6%	31	6.8%	39	8.6%	38	9.0%	47	11.2%
Griggs	45	6.5%	51	7.6%	48	7.2%	45	7.1%	47	7.7%
Hettinger	66	9.9%	74	11.6%	71	10.8%	64	10.2%	65	10.6%
Kidder	41	6.7%	42	7.1%	51	8.9%	50	9.4%	50	9.8%
Lamoure	72	6.1%	83	7.3%	90	8.1%	97	9.2%	104	10.0%
Logan	53	10.1%	64	12.4%	68	13.7%	64	13.4%	65	14.0%
McHenry	131	10.0%	128	10.1%	132	10.7%	141	11.8%	162	13.7%
McIntosh	48	7.1%	45	7.1%	41	6.9%	42	7.4%	49	8.9%
McKenzie	133	11.1%	142	11.8%	137	11.6%	152	13.1%	156	13.9%
McLean	228	9.7%	233	10.1%	245	10.8%	232	10.8%	229	11.2%
Mercer	255	11.2%	258	11.2%	256	11.3%	244	11.7%	258	12.3%
Morton	616	12.0%	644	12.9%	613	12.2%	650	13.3%	646	13.4%
Mountrail	227	13.4%	228	13.8%	246	14.8%	251	15.8%	257	16.2%
Nelson	100	11.5%	79	9.7%	72	9.3%	72	9.9%	76	10.5%
Oliver	50	12.1%	54	13.8%	47	12.9%	35	10.5%	38	11.8%
Pembina	193	9.5%	211	10.6%	211	11.0%	220	11.9%	226	12.5%
Pierce	97	11.2%	88	10.5%	92	11.0%	98	12.3%	102	12.5%
Ramsey	288	11.6%	286	11.9%	287	12.1%	316	13.9%	341	14.7%
Ransom	137	10.7%	131	10.2%	130	10.5%	118	10.0%	147	12.6%
Renville	126	16.3%	128	16.6%	118	15.7%	136	17.6%	135	18.1%
Richland	384	11.6%	312	9.5%	320	9.9%	327	10.8%	350	11.5%
Rolette	272	8.6%	286	8.7%	280	8.4%	281	11.9%	304	9.2%
Sargent	93	10.6%	95	10.9%	93	10.5%	96	11.1%	108	12.4%
Sheridan	34	14.2%	35	14.1%	31	13.1%	33	14.8%	37	18.1%
Sioux	166	27.6%	178	31.6%	171	30.7%	142	26.6%	153	31.4%
Slope	3	7.9%	2	4.3%	2	4.4%	1	2.4%	3	10.0%
Stark	390	9.6%	422	10.3%	426	10.5%	418	10.8%	459	11.5%
Steele	28	7.2%	29	7.9%	26	7.2%	32	9.6%	36	10.6%
Stutsman	473	13.4%	480	13.8%	485	13.9%	541	16.1%	562	16.9%
Towner	60	9.4%	62	10.2%	62	10.7%	63	11.1%	61	11.6%
Traill	108	5.9%	107	5.8%	107	5.9%	116	6.6%	137	7.7%
Walsh	285	11.4%	305	12.3%	283	11.5%	287	12.2%	302	13.0%
Ward	1,241	11.8%	1,337	12.7%	1,357	12.9%	1,325	13.2%	1,420	14.0%
Wells	108	9.9%	104	9.6%	114	10.7%	107	10.4%	109	11.0%
Williams	463	10.7%	469	11.0%	474	11.6%	492	12.7%	487	13.0%
North Dakota	12,578	10.6%	12,985	11.0%	12,902	11.1%	13,181	11.8%	13,934	12.4%

Source: Kids Count

Table 29: Head Start Enrollment by County

County	1997			1998		2000		2001	
	Age 3-4	Num	Pct	Num	Pct	Num	Pct	Num	Pct
Adams	47	10	21.3%	9	19.1%	6	12.8%	5	10.6%
Barnes	257	55	21.4%	53	20.6%	57	22.2%	54	21.0%
Benson	246	128	52.0%	125	50.8%	187	76.0%	120	48.8%
Billings	13	2	15.4%	0	0.0%	1	7.7%	1	7.7%
Bottineau	120	11	9.2%	11	9.2%	10	8.3%	11	9.2%
Bowman	60	3	5.0%	6	10.0%	8	13.3%	2	3.3%
Burke	38	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Burleigh	1,755	191	10.9%	199	11.3%	187	10.7%	186	10.6%
Cass	3,224	180	5.6%	180	5.6%	196	6.1%	193	6.0%
Cavalier	85	10	11.8%	13	15.3%	13	15.3%	12	14.1%
Dickey	130	13	10.0%	13	10.0%	29	22.3%	22	16.9%
Divide	31	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Dunn	92	4	4.3%	4	4.3%	13	14.1%	9	9.8%
Eddy	63	7	11.1%	4	6.3%	5	7.9%	1	1.6%
Emmons	105	11	10.5%	11	10.5%	11	10.5%	11	10.5%
Foster	86	6	7.0%	6	7.0%	7	8.1%	5	5.8%
Golden Valley	48	4	8.3%	9	18.8%	7	14.6%	5	10.4%
Grand Forks	1,702	201	11.8%	220	12.9%	219	12.9%	255	15.0%
Grant	57	0	0.0%	34	59.6%	32	56.1%	31	54.4%
Griggs	64	10	15.6%	10	15.6%	5	7.8%	2	3.1%
Hettinger	51	4	7.8%	3	5.9%	9	17.6%	4	7.8%
Kidder	64	4	6.3%	6	9.4%	2	3.1%	3	4.7%
Lamoure	91	9	9.9%	11	12.1%	10	11.0%	18	19.8%
Logan	62	4	6.5%	2	3.2%	3	4.8%	2	3.2%
McHenry	119	67	56.3%	52	43.7%	37	31.1%	48	40.3%
McIntosh	68	7	10.3%	9	13.2%	10	14.7%	9	13.2%
McKenzie	165	44	26.7%	43	26.1%	37	22.4%	37	22.4%
McLean	196	20	10.2%	30	15.3%	36	18.4%	38	19.4%
Mercer	181	14	7.7%	13	7.2%	1	0.6%	3	1.7%
Morton	673	100	14.9%	100	14.9%	102	15.2%	103	15.3%
Mountrail	175	68	38.9%	97	55.4%	73	41.7%	79	45.1%
Nelson	56	25	44.6%	25	44.6%	17	30.4%	8	14.3%
Oliver	43	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Pembina	177	17	9.6%	10	5.6%	13	7.3%	12	6.8%
Pierce	106	8	7.5%	14	13.2%	9	8.5%	12	11.3%
Ramsey	258	55	21.3%	52	20.2%	48	18.6%	62	24.0%
Ransom	143	11	7.7%	14	9.8%	9	6.3%	10	7.0%
Renville	47	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Richland	455	34	7.5%	34	7.5%	34	7.5%	33	7.3%
Rolette	469	330	70.4%	330	70.4%	330	70.4%	330	70.4%
Sargent	106	8	7.5%	4	3.8%	9	8.5%	8	7.5%
Sheridan	23	0	0.0%	12	52.2%	9	39.1%	11	47.8%
Sioux	158	141	89.2%	145	91.8%	113	71.5%	133	84.2%
Slope	13	0	0.0%	0	0.0%	2	15.4%	3	23.1%
Stark	549	113	20.6%	107	19.5%	105	19.1%	82	14.9%
Steele	64	8	12.5%	8	12.5%	3	4.7%	2	3.1%
Stutsman	487	91	18.7%	79	16.2%	90	18.5%	63	12.9%
Towner	65	10	15.4%	9	13.8%	10	15.4%	13	20.0%
Traill	203	46	22.7%	46	22.7%	40	19.7%	46	22.7%
Walsh	278	34	12.2%	36	12.9%	36	12.9%	34	12.2%
Ward	1,725	169	9.8%	203	11.8%	203	11.8%	205	11.9%
Wells	102	27	26.5%	26	25.5%	22	21.6%	25	24.5%
Williams	448	100	22.3%	100	22.3%	98	21.9%	115	25.7%
North Dakota	16,043	2,414	15.0%	2,527	15.8%	2,513	15.7%	2,476	15.4%

Source: Kids Count

Table 30: Adolescent Deaths and Rates by County - Ages 10 - 19

County	1979-1983		1984-1988		1989-1993		1994-1998		1979-1998	
	Num	Rate								
Adams	1	35.83	1	41.53	1	46.40	2	96.99	5	53.10
Barnes	6	52.20	2	20.65	2	21.55	5	52.59	15	37.53
Benson	14	185.87	6	90.05	4	67.26	10	161.79	34	129.16
Billings	0	0.00	0	0.00	0	0.00	1	96.62	1	23.82
Bottineau	3	37.80	6	86.74	1	15.88	0	0.00	10	36.73
Bowman	3	80.78	2	64.29	2	75.16	2	78.37	9	74.76
Burke	1	32.92	3	117.46	1	48.59	3	168.35	8	84.82
Burleigh	28	59.25	23	51.76	24	51.57	27	51.87	102	53.60
Cass	27	38.48	17	25.14	31	41.99	25	29.71	100	33.81
Cavalier	4	59.80	3	60.11	1	23.75	1	26.16	9	45.65
Dickey	9	156.85	1	19.64	1	21.34	3	64.38	14	69.39
Divide	2	76.89	3	149.48	0	0.00	2	130.21	7	89.37
Dunn	8	184.67	2	55.99	0	0.00	1	33.93	11	79.38
Eddy	2	72.02	1	44.56	0	0.00	1	47.46	4	43.70
Emmons	3	50.35	3	69.00	1	29.33	2	62.00	9	53.12
Foster	1	25.81	2	63.15	2	72.02	4	139.47	9	70.94
Golden Valley	3	133.75	1	50.68	0	0.00	3	176.89	7	91.70
Grand Forks	22	39.08	27	51.64	18	33.57	13	22.96	80	36.56
Grant	2	53.43	1	32.95	0	0.00	1	43.38	4	34.50
Griggs	0	0.00	1	43.23	2	89.69	2	94.03	5	53.99
Hettinger	5	131.93	0	0.00	1	44.54	0	0.00	6	54.83
Kidder	2	63.07	1	36.54	2	78.03	4	165.63	9	82.67
LaMoure	3	58.90	1	23.14	2	49.94	5	128.47	11	63.54
Logan	0	0.00	0	0.00	0	0.00	1	56.95	1	11.06
McHenry	12	182.45	3	54.69	0	0.00	1	21.11	16	74.11
McIntosh	3	83.92	3	116.46	2	101.52	0	0.00	8	80.56
McKenzie	10	147.21	4	66.15	5	98.83	5	101.96	24	105.25
McLean	8	81.47	6	67.98	7	85.28	4	49.24	25	71.48
Mercer	4	51.74	6	72.77	4	53.66	7	91.53	21	67.57
Morton	14	61.26	12	58.50	7	35.75	15	72.08	48	57.31
Mountrail	9	137.91	3	49.48	8	139.66	10	171.26	30	124.19
Nelson	2	51.95	2	63.15	0	0.00	2	78.46	6	48.68
Oliver	4	174.14	1	45.98	1	47.39	1	47.92	7	80.75
Pembina	8	99.43	3	42.08	3	43.87	3	44.07	17	58.98
Pierce	2	34.25	1	22.40	1	27.74	0	0.00	4	22.92
Ramsey	7	60.62	6	62.01	6	66.05	6	64.26	25	63.06
Ransom	4	78.88	5	116.88	3	73.57	3	70.51	15	84.83
Renville	2	64.21	0	0.00	1	43.23	1	43.98	4	38.61
Richland	8	42.60	4	24.54	6	38.95	11	65.03	29	43.03
Rolette	19	139.15	12	94.88	11	88.68	8	56.17	50	94.43
Sargent	7	156.35	2	53.95	1	28.83	4	111.20	14	91.80
Sheridan	3	136.80	0	0.00	2	158.98	1	88.03	6	96.90
Sioux	2	47.90	3	78.58	5	126.29	6	134.11	16	97.41
Slope	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Stark	17	72.65	9	44.74	6	33.36	6	32.08	38	47.38
Steele	4	163.93	1	51.49	0	0.00	1	59.38	6	77.45
Stutsman	6	31.48	6	35.75	9	55.68	7	43.38	28	41.09
Towner	5	154.94	2	71.00	1	39.95	1	42.79	9	82.69
Traill	3	38.83	2	29.46	3	45.21	2	28.71	10	35.56
Walsh	12	96.70	5	47.53	4	40.05	9	86.99	30	69.34
Ward	22	44.67	31	68.81	18	41.55	24	52.12	95	51.72
Wells	4	70.71	4	89.11	0	0.00	1	28.60	9	51.95
Williams	22	107.61	10	53.42	4	24.94	9	55.74	45	63.07
North Dakota	372	66.59	253	50.68	214	44.47	266	52.45	1,105	54.00

Source: Centers for Disease Control and Prevention, National Center for Health Statistics

Table 31: Adolescent Deaths and Rates - Accidental - Ages 10 - 19

County	1979-1983		1984-1988		1989-1993		1994-1998		1979-1998	
	Num	Rate	Num	Rate	Num	Rate	Num	Rate	Num	Rate
Adams	1	35.83	1	41.53	1	46.40	2	96.99	5	53.10
Barnes	3	26.10	1	10.33	2	21.55	4	42.07	10	25.02
Benson	8	106.21	2	30.02	1	16.82	3	48.54	14	53.19
Billings	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Bottineau	3	37.80	4	57.83	1	15.88	0	0.00	8	29.38
Bowman	2	53.85	1	32.14	0	0.00	1	39.18	4	33.23
Burke	0	0.00	3	117.46	1	48.59	3	168.35	7	74.22
Burleigh	12	25.39	7	15.75	12	25.78	10	19.21	41	21.55
Cass	15	21.38	9	13.31	11	14.90	10	11.88	45	15.21
Cavalier	2	29.90	1	20.04	1	23.75	1	26.16	5	25.36
Dickey	8	139.42	1	19.64	0	0.00	1	21.46	10	49.57
Divide	1	38.45	2	99.65	0	0.00	2	130.21	5	63.83
Dunn	6	138.50	2	55.99	0	0.00	1	33.93	9	64.94
Eddy	2	72.02	1	44.56	0	0.00	1	47.46	4	43.70
Emmons	2	33.57	2	46.00	0	0.00	1	31.00	5	29.51
Foster	1	25.81	1	31.58	2	72.02	2	69.74	6	47.29
Golden Valley	3	133.75	1	50.68	0	0.00	2	117.92	6	78.60
Grand Forks	14	24.87	13	24.87	11	20.52	6	10.60	44	20.11
Grant	2	53.43	1	32.95	0	0.00	0	0.00	3	25.88
Griggs	0	0.00	1	43.23	2	89.69	0	0.00	3	32.39
Hettinger	4	105.54	0	0.00	1	44.54	0	0.00	5	45.70
Kidder	1	31.54	1	36.54	1	39.02	4	165.63	7	64.30
LaMoure	2	39.27	1	23.14	1	24.97	3	77.08	7	40.44
Logan	0	0.00	0	0.00	0	0.00	1	56.95	1	11.06
McHenry	9	136.84	2	36.46	0	0.00	1	21.11	12	55.58
McIntosh	1	27.97	2	77.64	1	50.76	0	0.00	4	40.28
McKenzie	9	132.49	3	49.61	5	98.83	3	61.17	20	87.71
McLean	7	71.28	4	45.32	2	24.37	2	24.62	15	42.89
Mercer	2	25.87	4	48.51	3	40.25	5	65.38	14	45.05
Morton	8	35.00	8	39.00	3	15.32	8	38.44	27	32.24
Mountrail	7	107.26	1	16.49	7	122.21	9	154.14	24	99.35
Nelson	2	51.95	1	31.58	0	0.00	1	39.23	4	32.45
Oliver	4	174.14	1	45.98	1	47.39	1	47.92	7	80.75
Pembina	4	49.71	0	0.00	2	29.25	0	0.00	6	20.82
Pierce	1	17.13	1	22.40	1	27.74	0	0.00	3	17.19
Ramsey	4	34.64	2	20.67	3	33.03	4	42.84	13	32.79
Ransom	3	59.16	3	70.13	0	0.00	1	23.50	7	39.59
Renville	1	32.10	0	0.00	0	0.00	1	43.98	2	19.30
Richland	5	26.63	3	18.40	4	25.97	3	17.74	15	22.25
Rolette	8	58.59	9	71.16	5	40.31	4	28.09	26	49.11
Sargent	7	156.35	2	53.95	1	28.83	1	27.80	11	72.13
Sheridan	3	136.80	0	0.00	0	0.00	1	88.03	4	64.60
Sioux	1	23.95	2	52.38	2	50.52	1	22.35	6	36.53
Slope	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Stark	11	47.01	2	9.94	1	5.56	2	10.69	16	19.95
Steele	2	81.97	0	0.00	0	0.00	1	59.38	3	38.72
Stutsman	4	20.98	1	5.96	2	12.37	2	12.39	9	13.21
Towner	3	92.97	1	35.50	1	39.95	1	42.79	6	55.13
Trail	3	38.83	1	14.73	1	15.07	0	0.00	5	17.78
Walsh	5	40.29	2	19.01	2	20.02	6	57.99	15	34.67
Ward	12	24.36	19	42.18	10	23.08	9	19.54	50	27.22
Wells	1	17.68	1	22.28	1	27.14	0	0.00	3	17.32
Williams	18	88.05	7	37.40	2	12.47	8	49.55	35	49.05
North Dakota	237	42.42	138	27.65	108	22.44	133	26.22	616	30.10

Source: Centers for Disease Control and Prevention, National Center for Health Statistics

Table 32: Adolescent Deaths and Rates - Motor Vehicles - Ages 10 - 19

County	1979-1983		1984-1988		1989-1993		1994-1998		1979-1998	
	Num	Rate	Num	Rate	Num	Rate	Num	Rate	Num	Rate
Adams	1	35.83	1	41.53	1	46.40	2	96.99	5	53.10
Barnes	3	26.10	0	0.00	2	21.55	3	31.56	8	20.02
Benson	7	92.94	1	15.01	1	16.82	3	48.54	12	45.59
Billings	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Bottineau	3	37.80	4	57.83	1	15.88	0	0.00	8	29.38
Bowman	1	26.93	1	32.14	0	0.00	1	39.18	3	24.92
Burke	0	0.00	0	0.00	0	0.00	3	168.35	3	31.81
Burleigh	6	12.70	7	15.75	7	15.04	5	9.60	25	13.14
Cass	10	14.25	4	5.91	8	10.84	7	8.32	29	9.80
Cavalier	2	29.90	1	20.04	1	23.75	1	26.16	5	25.36
Dickey	3	52.28	1	19.64	0	0.00	0	0.00	4	19.83
Divide	1	38.45	1	49.83	0	0.00	2	130.21	4	51.07
Dunn	4	92.34	2	55.99	0	0.00	0	0.00	6	43.30
Eddy	1	36.01	1	44.56	0	0.00	0	0.00	2	21.85
Emmons	2	33.57	1	23.00	0	0.00	1	31.00	4	23.61
Foster	1	25.81	1	31.58	1	36.01	2	69.74	5	39.41
Golden Valley	1	44.58	1	50.68	0	0.00	1	58.96	3	39.30
Grand Forks	10	17.76	11	21.04	7	13.06	3	5.30	31	14.17
Grant	2	53.43	1	32.95	0	0.00	0	0.00	3	25.88
Griggs	0	0.00	0	0.00	1	44.84	0	0.00	1	10.80
Hettinger	1	26.39	0	0.00	1	44.54	0	0.00	2	18.28
Kidder	0	0.00	0	0.00	1	39.02	3	124.22	4	36.74
LaMoure	2	39.27	1	23.14	1	24.97	2	51.39	6	34.66
Logan	0	0.00	0	0.00	0	0.00	1	56.95	1	11.06
McHenry	8	121.64	2	36.46	0	0.00	1	21.11	11	50.95
McIntosh	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
McKenzie	8	117.77	3	49.61	5	98.83	2	40.78	18	78.94
McLean	3	30.55	4	45.32	2	24.37	2	24.62	11	31.45
Mercer	2	25.87	3	36.39	2	26.83	4	52.30	11	35.39
Morton	7	30.63	5	24.38	3	15.32	7	33.64	22	26.27
Mountrail	5	76.62	1	16.49	7	122.21	8	137.01	21	86.93
Nelson	2	51.95	1	31.58	0	0.00	1	39.23	4	32.45
Oliver	2	87.07	1	45.98	1	47.39	0	0.00	4	46.14
Pembina	4	49.71	0	0.00	1	14.62	0	0.00	5	17.35
Pierce	1	17.13	1	22.40	0	0.00	0	0.00	2	11.46
Ramsey	3	25.98	2	20.67	3	33.03	1	10.71	9	22.70
Ransom	3	59.16	3	70.13	0	0.00	1	23.50	7	39.59
Renville	1	32.10	0	0.00	0	0.00	0	0.00	1	9.65
Richland	5	26.63	3	18.40	4	25.97	2	11.82	14	20.77
Rolette	7	51.27	6	47.44	5	40.31	3	21.06	21	39.66
Sargent	4	89.35	2	53.95	1	28.83	1	27.80	8	52.46
Sheridan	3	136.80	0	0.00	0	0.00	0	0.00	3	48.45
Sioux	1	23.95	0	0.00	0	0.00	1	22.35	2	12.18
Slope	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Stark	9	38.46	1	4.97	1	5.56	1	5.35	12	14.96
Steele	2	81.97	0	0.00	0	0.00	1	59.38	3	38.72
Stutsman	4	20.98	0	0.00	2	12.37	0	0.00	6	8.80
Towner	3	92.97	0	0.00	1	39.95	1	42.79	5	45.94
Traill	1	12.94	1	14.73	1	15.07	0	0.00	3	10.67
Walsh	4	32.23	0	0.00	1	10.01	5	48.33	10	23.11
Ward	8	16.24	13	28.86	6	13.85	7	15.20	34	18.51
Wells	1	17.68	1	22.28	0	0.00	0	0.00	2	11.54
Williams	9	44.02	5	26.71	1	6.23	7	43.35	22	30.83
North Dakota	171	30.61	98	19.63	80	16.62	96	18.93	445	21.75

Source: Centers for Disease Control and Prevention, National Center for Health Statistics

Table 33: Adolescent Deaths and Rates - Suicide - Ages 10 - 14

County	1979-1983		1984-1988		1989-1993		1994-1998		1979-1998	
	Num	Rate	Num	Rate	Num	Rate	Num	Rate	Num	Rate
Adams	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Barnes	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Benson	0	0.00	1	27.89	0	0.00	2	58.91	3	21.13
Billings	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Bottineau	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Bowman	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Burke	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Burleigh	0	0.00	2	9.24	0	0.00	2	7.82	4	4.30
Cass	1	3.32	0	0.00	2	5.65	4	10.24	7	5.18
Cavalier	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Dickey	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Divide	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Dunn	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Eddy	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Emmons	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Foster	0	0.00	1	62.34	0	0.00	0	0.00	1	15.54
Golden Valley	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Grand Forks	0	0.00	0	0.00	1	4.22	0	0.00	1	1.09
Grant	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Griggs	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Hettinger	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Kidder	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
LaMoure	1	39.22	0	0.00	0	0.00	0	0.00	1	10.81
Logan	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
McHenry	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
McIntosh	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
McKenzie	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
McLean	0	0.00	0	0.00	0	0.00	1	22.16	1	5.23
Mercer	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Morton	0	0.00	0	0.00	0	0.00	2	18.52	2	4.66
Mountrail	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Nelson	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Oliver	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Pembina	0	0.00	1	26.60	0	0.00	0	0.00	1	6.58
Pierce	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Ramsey	0	0.00	0	0.00	1	20.85	0	0.00	1	5.20
Ransom	0	0.00	0	0.00	1	44.39	0	0.00	1	10.90
Renville	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Richland	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Rolette	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Sargent	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Sheridan	0	0.00	0	0.00	1	143.68	0	0.00	1	30.86
Sioux	0	0.00	0	0.00	0	0.00	1	40.26	1	11.18
Slope	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Stark	0	0.00	0	0.00	1	10.60	0	0.00	1	2.57
Steele	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Stutsman	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Towner	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Traill	0	0.00	0	0.00	0	0.00	1	29.73	1	7.60
Walsh	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Ward	1	4.47	0	0.00	0	0.00	0	0.00	1	1.13
Wells	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Williams	0	0.00	0	0.00	1	11.34	0	0.00	1	2.77
North Dakota	3	1.18	5	2.07	8	3.23	13	5.18	29	2.91

Source: Centers for Disease Control and Prevention, National Center for Health Statistics

Table 34: Adolescent Deaths and Rates - Suicide - Ages 15 - 19

County	1979-1983		1984-1988		1989-1993		1994-1998		1979-1998	
	Num	Rate	Num	Rate	Num	Rate	Num	Rate	Num	Rate
Adams	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Barnes	0	0.00	0	0.00	0	0.00	1	19.63	1	4.55
Benson	5	137.85	2	65.00	1	37.95	4	143.58	12	98.97
Billings	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Bottineau	0	0.00	2	55.13	0	0.00	0	0.00	2	14.04
Bowman	0	0.00	0	0.00	2	168.63	0	0.00	2	34.81
Burke	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Burleigh	6	23.61	4	17.55	2	8.85	5	18.89	17	17.48
Cass	2	4.99	1	2.70	6	15.62	5	11.09	14	8.71
Cavalier	2	56.40	1	40.65	0	0.00	0	0.00	3	31.03
Dickey	0	0.00	0	0.00	1	42.09	0	0.00	1	9.61
Divide	0	0.00	1	109.41	0	0.00	0	0.00	1	28.29
Dunn	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Eddy	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Emmons	0	0.00	1	46.90	0	0.00	0	0.00	1	12.07
Foster	0	0.00	0	0.00	0	0.00	2	141.14	2	31.98
Golden Valley	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Grand Forks	0	0.00	4	13.04	4	13.37	2	6.13	10	7.86
Grant	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Griggs	0	0.00	0	0.00	0	0.00	1	104.49	1	23.68
Hettinger	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Kidder	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
LaMoure	0	0.00	0	0.00	1	57.90	0	0.00	1	12.40
Logan	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
McHenry	1	30.38	0	0.00	0	0.00	0	0.00	1	9.94
McIntosh	1	53.45	1	79.30	0	0.00	0	0.00	2	41.30
McKenzie	0	0.00	1	35.25	0	0.00	1	44.52	2	18.70
McLean	0	0.00	0	0.00	2	57.77	0	0.00	2	12.62
Mercer	1	26.83	0	0.00	1	32.91	1	30.33	3	21.87
Morton	0	0.00	1	9.94	3	33.23	4	39.96	8	19.59
Mountrail	1	30.40	0	0.00	1	37.74	0	0.00	2	17.14
Nelson	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Oliver	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Pembina	1	24.70	0	0.00	0	0.00	2	63.01	3	22.03
Pierce	1	33.51	0	0.00	0	0.00	0	0.00	1	11.97
Ramsey	1	15.36	1	19.89	0	0.00	0	0.00	2	9.79
Ransom	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Renville	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Richland	1	8.00	0	0.00	1	12.41	5	52.73	7	17.64
Rolette	1	14.52	0	0.00	2	37.86	1	16.39	4	16.61
Sargent	0	0.00	0	0.00	0	0.00	1	59.45	1	13.94
Sheridan	0	0.00	0	0.00	1	177.94	0	0.00	1	33.88
Sioux	1	49.95	1	57.64	1	56.98	3	150.75	6	80.19
Slope	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Stark	2	15.35	3	28.71	3	35.10	1	10.72	9	21.76
Steele	1	78.74	0	0.00	0	0.00	0	0.00	1	26.33
Stutsman	2	19.97	1	11.90	0	0.00	3	36.96	6	17.51
Towner	1	60.79	1	75.76	0	0.00	0	0.00	2	39.53
Traill	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Walsh	1	15.76	0	0.00	0	0.00	0	0.00	1	4.93
Ward	3	11.17	2	8.46	5	23.21	5	21.27	15	15.70
Wells	2	69.83	1	45.27	0	0.00	1	57.74	4	46.88
Williams	2	17.98	2	21.45	1	13.84	0	0.00	5	14.18
North Dakota	39	12.85	31	12.05	38	16.29	48	18.73	156	14.86

Source: Centers for Disease Control and Prevention, National Center for Health Statistics

Table 35: Adolescent Deaths and Rates - Suicide - Ages 10 - 19

County	1979-1983		1984-1988		1989-1993		1994-1998		1979-1998	
	Num	Rate	Num	Rate	Num	Rate	Num	Rate	Num	Rate
Adams	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Barnes	0	0.00	0	0.00	0	0.00	1	10.52	1	2.50
Benson	5	66.38	3	45.02	1	16.82	6	97.07	15	56.98
Billings	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Bottineau	0	0.00	2	28.91	0	0.00	0	0.00	2	7.35
Bowman	0	0.00	0	0.00	2	75.16	0	0.00	2	16.61
Burke	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Burleigh	6	12.70	6	13.50	2	4.30	7	13.45	21	11.04
Cass	3	4.28	1	1.48	8	10.84	9	10.70	21	7.10
Cavalier	2	29.90	1	20.04	0	0.00	0	0.00	3	15.22
Dickey	0	0.00	0	0.00	1	21.34	0	0.00	1	4.96
Divide	0	0.00	1	49.83	0	0.00	0	0.00	1	12.77
Dunn	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Eddy	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Emmons	0	0.00	1	23.00	0	0.00	0	0.00	1	5.90
Foster	0	0.00	1	31.58	0	0.00	2	69.74	3	23.65
Golden Valley	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Grand Forks	0	0.00	4	7.65	5	9.33	2	3.53	11	5.03
Grant	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Griggs	0	0.00	0	0.00	0	0.00	1	47.01	1	10.80
Hettinger	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Kidder	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
LaMoure	1	19.63	0	0.00	1	24.97	0	0.00	2	11.55
Logan	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
McHenry	1	15.20	0	0.00	0	0.00	0	0.00	1	4.63
McIntosh	1	27.97	1	38.82	0	0.00	0	0.00	2	20.14
McKenzie	0	0.00	1	16.54	0	0.00	1	20.39	2	8.77
McLean	0	0.00	0	0.00	2	24.37	1	12.31	3	8.58
Mercer	1	12.93	0	0.00	1	13.42	1	13.08	3	9.65
Morton	0	0.00	1	4.88	3	15.32	6	28.83	10	11.94
Mountrail	1	15.32	0	0.00	1	17.46	0	0.00	2	8.28
Nelson	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Oliver	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Pembina	1	12.43	1	14.03	0	0.00	2	29.38	4	13.88
Pierce	1	17.13	0	0.00	0	0.00	0	0.00	1	5.73
Ramsey	1	8.66	1	10.33	1	11.01	0	0.00	3	7.57
Ransom	0	0.00	0	0.00	1	24.52	0	0.00	1	5.66
Renville	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Richland	1	5.33	0	0.00	1	6.49	5	29.56	7	10.39
Rolette	1	7.32	0	0.00	2	16.12	1	7.02	4	7.55
Sargent	0	0.00	0	0.00	0	0.00	1	27.80	1	6.56
Sheridan	0	0.00	0	0.00	2	158.98	0	0.00	2	32.30
Sioux	1	23.95	1	26.19	1	25.26	4	89.41	7	42.62
Slope	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Stark	2	8.55	3	14.91	4	22.24	1	5.35	10	12.47
Steele	1	40.98	0	0.00	0	0.00	0	0.00	1	12.91
Stutsman	2	10.49	1	5.96	0	0.00	3	18.59	6	8.80
Towner	1	30.99	1	35.50	0	0.00	0	0.00	2	18.38
Trail	0	0.00	0	0.00	0	0.00	1	14.35	1	3.56
Walsh	1	8.06	0	0.00	0	0.00	0	0.00	1	2.31
Ward	4	8.12	2	4.44	5	11.54	5	10.86	16	8.71
Wells	2	35.35	1	22.28	0	0.00	1	28.60	4	23.09
Williams	2	9.78	2	10.68	2	12.47	0	0.00	6	8.41
North Dakota	42	7.52	36	7.21	46	9.56	61	12.03	185	9.04

Source: Centers for Disease Control and Prevention, National Center for Health Statistics

Table 36: Teen Pregnancies by County

County	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Adams	6	6	1	1	0	1	0	0	3	3
Barnes	14	14	8	14	13	22	13	12	16	8
Benson	43	24	33	25	27	27	24	26	30	33
Billings	1	1	0	0	2	1	0	1	1	3
Bottineau	7	5	5	3	5	5	5	4	8	10
Bowman	4	2	3	4	0	4	3	0	1	3
Burke	1	3	0	2	1	0	1	1	0	1
Burleigh	114	105	94	103	100	98	107	83	66	82
Cass	155	157	168	142	140	140	125	175	168	138
Cavalier	7	6	1	3	2	3	6	0	2	1
Dickey	7	5	4	7	4	2	3	6	4	7
Divide	1	1	2	1	2	3	1	2	0	0
Dunn	2	4	7	4	5	5	1	2	0	2
Eddy	0	2	1	2	4	3	2	3	4	0
Emmons	3	3	2	3	7	5	1	3	2	1
Foster	6	8	10	4	10	3	7	3	4	1
Golden Valley	0	6	4	3	2	2	2	2	2	1
Grand Forks	124	118	116	123	130	108	115	93	100	119
Grant	3	3	1	1	2	4	2	2	0	4
Griggs	4	5	4	2	5	3	1	2	2	1
Hettinger	3	4	1	3	2	1	1	1	3	0
Kidder	0	5	4	3	0	2	5	3	3	3
LaMoure	5	5	4	1	4	7	0	5	0	0
Logan	1	1	3	1	8	1	3	3	1	1
McHenry	8	6	3	4	5	5	9	5	4	3
McIntosh	2	4	3	2	8	2	1	3	1	1
McKenzie	10	19	12	7	8	12	12	9	16	8
McLean	12	16	11	19	14	16	10	13	12	10
Mercer	9	6	11	11	11	14	10	4	9	8
Morton	32	40	46	39	33	29	33	39	29	34
Mountrail	18	16	13	16	16	16	15	22	13	19
Nelson	4	5	6	3	4	1	4	2	1	1
Oliver	1	0	0	1	4	3	1	0	3	2
Pembina	8	13	7	14	10	5	8	12	9	15
Pierce	5	2	4	3	9	5	3	4	7	4
Ramsey	22	32	27	25	29	33	33	30	21	22
Ransom	7	9	6	13	5	5	3	5	6	5
Renville	1	1	2	2	3	1	2	1	2	1
Richland	21	24	26	19	29	23	26	29	25	17
Rolette	77	78	75	75	73	72	79	73	59	62
Sargent	2	5	7	3	5	6	3	7	2	7
Sheridan	0	1	2	0	3	1	2	1	4	0
Sioux	22	24	26	19	31	17	19	21	22	23
Slope	0	0	0	0	0	0	0	1	0	0
Stark	32	28	26	43	35	32	39	30	27	26
Steele	0	2	2	2	3	3	1	2	0	1
Stutsman	35	43	47	32	35	30	28	25	32	23
Towner	6	6	1	4	2	3	1	2	1	3
Traill	7	10	10	9	8	8	7	5	9	6
Walsh	14	13	22	19	25	26	16	12	25	20
Ward	111	134	128	132	122	129	118	135	96	105
Wells	4	2	2	6	6	7	1	2	2	6
Williams	32	40	55	48	37	45	34	37	40	28
North Dakota	1,013	1,072	1,056	1,025	1,048	999	946	963	897	877

Source: NDDoH, Division of Vital Records

Table 37: Teen Pregnancy Rates by County

County	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Adams	63.16	63.16	10.53	10.53	0.00	10.53	0.00	0.00	31.58	33.33
Barnes	29.79	29.79	17.02	29.79	27.66	46.81	27.66	25.53	34.04	16.56
Benson	161.65	90.23	124.06	93.98	101.50	101.50	90.23	97.74	112.78	107.49
Billings	24.39	24.39	0.00	0.00	48.78	24.39	0.00	24.39	24.39	76.92
Bottineau	24.14	17.24	17.24	10.34	17.24	17.24	17.24	13.79	27.59	35.84
Bowman	32.26	16.13	24.19	32.26	0.00	32.26	24.19	0.00	8.06	24.19
Burke	11.24	33.71	0.00	22.47	11.24	0.00	11.24	11.24	0.00	12.99
Burleigh	50.18	46.21	41.37	45.33	44.01	43.13	47.10	36.53	29.05	29.07
Cass	45.36	45.95	49.17	41.56	40.97	40.97	36.58	51.21	49.17	29.25
Cavalier	42.68	36.59	6.10	18.29	12.20	18.29	36.59	0.00	12.20	6.13
Dickey	31.11	22.22	17.78	31.11	17.78	8.89	13.33	26.67	17.78	31.96
Divide	14.71	14.71	29.41	14.71	29.41	44.12	14.71	29.41	0.00	0.00
Dunn	15.38	30.77	53.85	30.77	38.46	38.46	7.69	15.38	0.00	13.33
Eddy	0.00	27.78	13.89	27.78	55.56	41.67	27.78	41.67	55.56	0.00
Emmons	18.87	18.87	12.58	18.87	44.03	31.45	6.29	18.87	12.58	7.69
Foster	51.28	68.38	85.47	34.19	85.47	25.64	59.83	25.64	34.19	7.52
Golden Valley	0.00	86.96	57.97	43.48	28.99	28.99	28.99	28.99	28.99	11.63
Grand Forks	43.36	41.26	40.56	43.01	45.45	37.76	40.21	32.52	34.97	37.85
Grant	28.30	28.30	9.43	9.43	18.87	37.74	18.87	18.87	0.00	40.40
Griggs	42.55	53.19	42.55	21.28	53.19	31.91	10.64	21.28	21.28	9.71
Hettinger	28.85	38.46	9.62	28.85	19.23	9.62	9.62	9.62	28.85	0.00
Kidder	0.00	53.76	43.01	32.26	0.00	21.51	53.76	32.26	32.26	32.61
LaMoure	30.12	30.12	24.10	6.02	24.10	42.17	0.00	30.12	0.00	0.00
Logan	12.05	12.05	36.14	12.05	96.39	12.05	36.14	36.14	12.05	13.70
McHenry	40.20	30.15	15.08	20.10	25.13	25.13	45.23	25.13	20.10	14.15
McIntosh	24.69	49.38	37.04	24.69	98.77	24.69	12.35	37.04	12.35	8.33
McKenzie	44.25	84.07	53.10	30.97	35.40	53.10	53.10	39.82	70.80	33.90
McLean	36.59	48.78	33.54	57.93	42.68	48.78	30.49	39.63	36.59	29.50
Mercer	29.32	19.54	35.83	35.83	35.83	45.60	32.57	13.03	29.32	21.11
Morton	36.78	45.98	52.87	44.83	37.93	33.33	37.93	44.83	33.33	34.38
Mountrail	71.15	63.24	51.38	63.24	63.24	63.24	59.29	86.96	51.38	70.11
Nelson	34.19	42.74	51.28	25.64	34.19	8.55	34.19	17.09	8.55	7.75
Oliver	12.99	0.00	0.00	12.99	51.95	38.96	12.99	0.00	38.96	23.26
Pembina	25.72	41.80	22.51	45.02	32.15	16.08	25.72	38.59	28.94	43.60
Pierce	34.01	13.61	27.21	20.41	61.22	34.01	20.41	27.21	47.62	24.39
Ramsey	53.66	78.05	65.85	60.98	70.73	80.49	80.49	73.17	51.22	46.22
Ransom	44.87	57.69	38.46	83.33	32.05	32.05	19.23	32.05	38.46	26.74
Renville	9.17	9.17	18.35	18.35	27.52	9.17	18.35	9.17	18.35	10.87
Richland	32.86	37.56	40.69	29.73	45.38	35.99	40.69	45.38	39.12	20.81
Rolette	149.22	151.16	145.35	145.35	141.47	139.53	153.10	141.47	114.34	93.37
Sargent	13.16	32.89	46.05	19.74	32.89	39.47	19.74	46.05	13.16	52.63
Sheridan	0.00	17.86	35.71	0.00	53.57	17.86	35.71	17.86	71.43	0.00
Sioux	134.97	147.24	159.51	116.56	190.18	104.29	116.56	128.83	134.97	113.30
Slope	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.78	0.00	0.00
Stark	38.98	34.10	31.67	52.38	42.63	38.98	47.50	36.54	32.90	26.78
Steele	0.00	29.85	29.85	29.85	44.78	44.78	14.93	29.85	0.00	11.63
Stutsman	48.08	59.07	64.56	43.96	48.08	41.21	38.46	34.34	43.96	26.14
Towner	51.72	51.72	8.62	34.48	17.24	25.86	8.62	17.24	8.62	37.97
Traill	21.28	30.40	30.40	27.36	24.32	24.32	21.28	15.20	27.36	17.60
Walsh	32.86	30.52	51.64	44.60	58.69	61.03	37.56	28.17	58.69	44.05
Ward	50.41	60.85	58.13	59.95	55.40	58.58	53.59	61.31	43.60	45.69
Wells	25.48	12.74	12.74	38.22	38.22	44.59	6.37	12.74	12.74	34.88
Williams	44.02	55.02	75.65	66.02	50.89	61.90	46.77	50.89	55.02	31.18
North Dakota	45.43	48.07	47.35	45.96	47.00	44.80	42.42	43.18	40.22	33.92

Source: NDDoH, Division of Vital Records

Table 38: Teen Births by County

County	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Adams	6	5	1	1	0	1	0	0	3	2
Barnes	9	11	7	11	8	18	9	9	14	8
Benson	42	23	31	23	24	26	22	23	27	31
Billings	1	0	0	0	1	1	0	1	1	2
Bottineau	5	2	3	2	3	4	3	3	8	7
Bowman	3	2	2	4	0	4	3	0	1	3
Burke	1	2	0	1	1	0	1	1	0	0
Burleigh	86	71	70	67	69	73	77	66	44	68
Cass	96	98	113	92	93	89	95	131	113	90
Cavalier	6	4	0	2	1	2	4	0	2	0
Dickey	4	4	4	7	3	1	2	5	4	6
Divide	0	0	2	0	1	3	1	2	0	0
Dunn	2	4	7	2	3	3	1	2	0	2
Eddy	0	0	1	1	3	3	2	3	4	0
Emmons	3	2	2	2	6	4	1	3	2	1
Foster	5	7	8	2	9	1	7	3	4	0
Golden Valley	0	6	4	3	2	2	2	2	2	1
Grand Forks	80	75	79	86	92	80	86	69	72	92
Grant	3	3	1	1	2	4	2	2	0	3
Griggs	4	5	4	1	5	3	1	2	1	0
Hettinger	3	4	1	3	1	1	0	1	3	0
Kidder	0	5	4	3	0	2	4	3	3	3
LaMoure	5	2	1	1	3	7	0	4	0	0
Logan	1	0	2	0	5	1	2	3	0	1
McHenry	8	5	2	4	4	5	8	3	4	3
McIntosh	2	2	3	1	7	2	1	3	1	1
McKenzie	10	17	12	7	8	12	12	9	16	7
McLean	11	15	9	17	12	11	10	12	9	9
Mercer	7	5	10	9	6	10	9	2	8	8
Morton	23	34	37	32	29	27	26	36	23	25
Mountrail	14	15	12	12	15	14	12	18	10	17
Nelson	3	4	4	2	2	0	4	2	1	1
Oliver	1	0	0	1	3	2	1	0	3	2
Pembina	8	12	5	12	8	5	8	9	5	13
Pierce	4	2	4	3	8	4	2	1	5	3
Ramsey	17	25	24	20	25	24	28	21	19	20
Ransom	5	6	4	11	4	3	1	5	4	2
Renville	1	1	0	2	2	1	1	1	2	0
Richland	13	16	19	12	25	17	17	20	17	15
Rolette	72	75	73	70	68	71	75	68	54	58
Sargent	1	4	6	3	4	6	2	7	2	5
Sheridan	0	1	1	0	3	0	2	1	2	0
Sioux	22	22	25	19	30	16	18	21	22	22
Slope	0	0	0	0	0	0	0	1	0	0
Stark	26	22	21	37	28	23	30	26	21	23
Steele	0	1	2	1	2	2	1	1	0	0
Stutsman	27	32	37	25	26	26	24	17	25	16
Towner	5	4	1	3	1	3	1	1	1	2
Traill	4	9	6	5	5	5	6	4	8	4
Walsh	7	10	18	16	20	23	10	9	24	16
Ward	90	107	95	106	93	105	96	110	79	83
Wells	3	1	2	6	4	7	0	1	2	5
Williams	27	36	52	45	33	41	29	34	36	27
North Dakota	776	818	831	796	810	798	759	781	711	707

Source: NDDoH, Division of Vital Records

Table 39: Teen Birth Rates by County

County	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Adams	63.16	52.63	10.53	10.53	0.00	10.53	0.00	0.00	31.58	22.22
Barnes	19.15	23.40	14.89	23.40	17.02	38.30	19.15	19.15	29.79	16.56
Benson	157.89	86.47	116.54	86.47	90.23	97.74	82.71	86.47	101.50	100.98
Billings	24.39	0.00	0.00	0.00	24.39	24.39	0.00	24.39	24.39	51.28
Bottineau	17.24	6.90	10.34	6.90	10.34	13.79	10.34	10.34	27.59	25.09
Bowman	24.19	16.13	16.13	32.26	0.00	32.26	24.19	0.00	8.06	24.19
Burke	11.24	22.47	0.00	11.24	11.24	0.00	11.24	11.24	0.00	0.00
Burleigh	37.85	31.25	30.81	29.49	30.37	32.13	33.89	29.05	19.37	24.10
Cass	28.09	28.68	33.07	26.92	27.22	26.05	27.80	38.34	33.07	19.08
Cavalier	36.59	24.39	0.00	12.20	6.10	12.20	24.39	0.00	12.20	0.00
Dickey	17.78	17.78	17.78	31.11	13.33	4.44	8.89	22.22	17.78	27.40
Divide	0.00	0.00	29.41	0.00	14.71	44.12	14.71	29.41	0.00	0.00
Dunn	15.38	30.77	53.85	15.38	23.08	23.08	7.69	15.38	0.00	13.33
Eddy	0.00	0.00	13.89	13.89	41.67	41.67	27.78	41.67	55.56	0.00
Emmons	18.87	12.58	12.58	12.58	37.74	25.16	6.29	18.87	12.58	7.69
Foster	42.74	59.83	68.38	17.09	76.92	8.55	59.83	25.64	34.19	0.00
Golden Valley	0.00	86.96	57.97	43.48	28.99	28.99	28.99	28.99	28.99	11.63
Grand Forks	27.97	26.22	27.62	30.07	32.17	27.97	30.07	24.13	25.17	29.26
Grant	28.30	28.30	9.43	9.43	18.87	37.74	18.87	18.87	0.00	30.30
Griggs	42.55	53.19	42.55	10.64	53.19	31.91	10.64	21.28	10.64	0.00
Hettinger	28.85	38.46	9.62	28.85	9.62	9.62	0.00	9.62	28.85	0.00
Kidder	0.00	53.76	43.01	32.26	0.00	21.51	43.01	32.26	32.26	32.61
LaMoure	30.12	12.05	6.02	6.02	18.07	42.17	0.00	24.10	0.00	0.00
Logan	12.05	0.00	24.10	0.00	60.24	12.05	24.10	36.14	0.00	13.70
McHenry	40.20	25.13	10.05	20.10	20.10	25.13	40.20	15.08	20.10	14.15
McIntosh	24.69	24.69	37.04	12.35	86.42	24.69	12.35	37.04	12.35	8.33
McKenzie	44.25	75.22	53.10	30.97	35.40	53.10	53.10	39.82	70.80	29.66
McLean	33.54	45.73	27.44	51.83	36.59	33.54	30.49	36.59	27.44	26.55
Mercer	22.80	16.29	32.57	29.32	19.54	32.57	29.32	6.51	26.06	21.11
Morton	26.44	39.08	42.53	36.78	33.33	31.03	29.89	41.38	26.44	25.28
Mountrail	55.34	59.29	47.43	47.43	59.29	55.34	47.43	71.15	39.53	62.73
Nelson	25.64	34.19	34.19	17.09	17.09	0.00	34.19	17.09	8.55	7.75
Oliver	12.99	0.00	0.00	12.99	38.96	25.97	12.99	0.00	38.96	23.26
Pembina	25.72	38.59	16.08	38.59	25.72	16.08	25.72	28.94	16.08	37.79
Pierce	27.21	13.61	27.21	20.41	54.42	27.21	13.61	6.80	34.01	18.29
Ramsey	41.46	60.98	58.54	48.78	60.98	58.54	68.29	51.22	46.34	42.02
Ransom	32.05	38.46	25.64	70.51	25.64	19.23	6.41	32.05	25.64	10.70
Renville	9.17	9.17	0.00	18.35	18.35	9.17	9.17	9.17	18.35	0.00
Richland	20.34	25.04	29.73	18.78	39.12	26.60	26.60	31.30	26.60	18.36
Rolette	139.53	145.35	141.47	135.66	131.78	137.60	145.35	131.78	104.65	87.35
Sargent	6.58	26.32	39.47	19.74	26.32	39.47	13.16	46.05	13.16	37.59
Sheridan	0.00	17.86	17.86	0.00	53.57	0.00	35.71	17.86	35.71	0.00
Sioux	134.97	134.97	153.37	116.56	184.05	98.16	110.43	128.83	134.97	108.37
Slope	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.78	0.00	0.00
Stark	31.67	26.80	25.58	45.07	34.10	28.01	36.54	31.67	25.58	23.69
Steele	0.00	14.93	29.85	14.93	29.85	29.85	14.93	14.93	0.00	0.00
Stutsman	37.09	43.96	50.82	34.34	35.71	35.71	32.97	23.35	34.34	18.18
Towner	43.10	34.48	8.62	25.86	8.62	25.86	8.62	8.62	8.62	25.32
Traill	12.16	27.36	18.24	15.20	15.20	15.20	18.24	12.16	24.32	11.37
Walsh	16.43	23.47	42.25	37.56	46.95	53.99	23.47	21.13	56.34	35.24
Ward	40.87	48.59	43.14	48.14	42.23	47.68	43.60	49.95	35.88	36.12
Wells	19.11	6.37	12.74	38.22	25.48	44.59	0.00	6.37	12.74	29.07
Williams	37.14	49.52	71.53	61.90	45.39	56.40	39.89	46.77	49.52	30.07
North Dakota	34.80	36.68	37.26	35.70	36.32	35.78	34.04	35.02	31.88	27.34

Source: NDDoH, Division of Vital Records

Table 40: Out-of-Wedlock Pregnancies by County

County	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Adams	11	6	8	6	4	4	1	3	6	6
Barnes	49	38	40	45	44	44	39	49	36	43
Benson	99	81	87	61	59	87	79	78	94	93
Billings	5	2	2	0	3	1	2	2	2	2
Bottineau	14	12	15	17	21	17	21	17	18	24
Bowman	11	6	8	5	3	5	9	6	2	3
Burke	5	7	2	5	2	2	2	1	1	2
Burleigh	323	299	294	304	316	270	322	292	276	291
Cass	504	542	560	512	546	567	566	592	605	606
Cavalier	11	10	4	6	5	4	10	3	5	8
Dickey	13	6	9	12	13	5	12	12	12	14
Divide	4	4	3	5	4	5	3	3	2	2
Dunn	7	10	11	12	11	13	6	9	3	8
Eddy	2	5	5	1	5	7	5	10	7	2
Emmons	12	9	7	8	11	8	4	10	4	4
Foster	12	12	14	15	19	9	11	13	16	8
Golden Valley	1	8	4	6	6	2	2	4	2	1
Grand Forks	344	343	303	318	338	331	305	324	346	345
Grant	3	2	2	1	1	7	3	8	4	5
Griggs	4	6	6	8	5	8	10	5	5	1
Hettinger	6	6	5	6	6	4	1	3	5	1
Kidder	4	6	5	5	6	4	7	5	6	9
LaMoure	10	5	5	10	10	7	1	9	3	3
Logan	1	2	4	3	10	3	3	2	1	2
McHenry	13	21	9	12	9	10	18	13	18	16
McIntosh	5	6	5	8	9	2	3	5	3	3
McKenzie	29	42	35	23	22	27	36	30	30	35
McLean	31	26	27	30	26	32	26	36	26	24
Mercer	16	16	16	21	24	22	19	16	23	24
Morton	91	91	107	88	97	95	110	112	109	129
Mountrail	51	53	45	53	45	54	51	50	53	62
Nelson	4	9	8	6	2	4	2	9	3	6
Oliver	0	1	4	2	5	7	3	2	6	1
Pembina	24	21	20	26	27	23	25	27	27	26
Pierce	11	10	11	10	15	14	13	14	10	13
Ramsey	66	93	60	81	67	88	74	81	66	71
Ransom	13	16	14	21	16	21	12	16	14	18
Renville	6	3	6	4	6	5	11	5	4	4
Richland	49	59	59	53	59	69	71	73	65	75
Rolette	209	197	209	214	195	221	216	197	186	203
Sargent	5	11	11	11	8	12	6	9	7	15
Sheridan	3	2	3	4	4	2	4	0	4	0
Sioux	78	79	68	56	80	58	72	67	75	80
Slope	3	0	1	0	0	2	0	2	1	3
Stark	85	103	56	112	88	75	91	74	85	82
Steele	2	3	4	5	2	4	1	3	1	1
Stutsman	88	82	104	86	101	82	78	77	104	75
Towner	12	9	10	8	12	11	8	6	4	6
Traill	32	22	26	27	25	9	23	21	22	19
Walsh	38	49	47	47	40	57	49	40	58	49
Ward	254	277	276	255	246	279	290	275	268	273
Wells	7	8	6	15	15	8	6	5	6	11
Williams	66	82	103	100	89	105	98	96	93	94
North Dakota	2,746	2,818	2,753	2,749	2,782	2,812	2,840	2,821	2,831	2,901

Source: NDDoH, Division of Vital Records

Table 41: Out-of-Wedlock Pregnancy Rates by County

County	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Adams	275.00	193.55	210.53	260.87	153.85	160.00	38.46	157.89	352.94	230.77
Barnes	310.13	238.99	258.06	330.88	312.06	303.45	300.00	324.50	297.52	352.46
Benson	668.92	566.43	664.12	516.95	578.43	659.09	593.98	609.38	671.43	664.29
Billings	217.39	111.11	200.00	0.00	230.77	125.00	200.00	285.71	333.33	285.71
Bottineau	155.56	173.91	187.50	246.38	304.35	369.57	269.23	314.81	310.34	421.05
Bowman	229.17	193.55	210.53	156.25	107.14	138.89	250.00	176.47	111.11	90.91
Burke	172.41	333.33	74.07	238.10	83.33	117.65	117.65	100.00	58.82	111.11
Burleigh	320.44	296.92	312.10	300.40	321.14	284.21	325.25	314.32	296.14	303.76
Cass	283.78	287.99	302.21	278.87	292.92	294.55	301.92	319.83	314.78	318.78
Cavalier	137.50	142.86	66.67	98.36	108.70	111.11	188.68	69.77	161.29	210.53
Dickey	136.84	71.43	121.62	176.47	175.68	83.33	203.39	196.72	187.50	179.49
Divide	148.15	153.85	142.86	312.50	285.71	227.27	200.00	272.73	142.86	181.82
Dunn	142.86	217.39	200.00	235.29	305.56	302.33	166.67	346.15	96.77	342.42
Eddy	62.50	185.19	161.29	34.48	166.67	218.75	238.10	294.12	250.00	76.92
Emmons	171.43	160.71	114.75	135.59	174.60	163.27	83.33	222.22	129.03	137.93
Foster	181.82	250.00	304.35	277.78	339.29	243.24	268.29	250.00	340.43	250.00
Golden Valley	47.62	307.69	121.21	285.71	181.82	100.00	95.24	235.29	133.33	66.67
Grand Forks	253.87	257.70	228.16	244.43	263.04	261.04	268.96	286.73	355.24	338.90
Grant	111.11	58.82	55.56	45.45	25.64	233.33	115.38	320.00	210.53	263.16
Griggs	129.03	200.00	171.43	242.42	151.52	266.67	312.50	227.27	238.10	45.45
Hettinger	171.43	260.87	166.67	214.29	171.43	173.91	45.45	136.36	178.57	55.56
Kidder	111.11	193.55	156.25	185.19	230.77	153.85	233.33	263.16	222.22	333.33
LaMoure	175.44	108.70	96.15	227.27	163.93	179.49	23.81	180.00	120.00	71.43
Logan	45.45	95.24	129.03	107.14	322.58	90.91	125.00	71.43	55.56	117.65
McHenry	228.07	318.18	147.54	196.72	173.08	153.85	276.92	185.71	315.79	266.67
McIntosh	192.31	162.16	192.31	186.05	225.00	68.97	93.75	200.00	107.14	90.91
McKenzie	325.84	375.00	368.42	323.94	275.00	435.48	423.53	434.78	422.54	486.11
McLean	254.10	247.62	254.72	326.09	309.52	347.83	282.61	378.95	247.52	289.16
Mercer	118.52	130.08	140.35	218.75	203.39	241.76	226.19	188.24	310.81	324.32
Morton	297.39	263.01	330.25	268.29	286.14	295.95	323.53	331.36	327.33	398.15
Mountrail	443.48	486.24	409.09	514.56	428.57	439.02	485.71	588.24	514.56	632.65
Nelson	105.26	169.81	200.00	150.00	76.92	166.67	51.28	281.25	130.43	162.16
Oliver	0.00	58.82	266.67	133.33	312.50	411.76	166.67	133.33	333.33	71.43
Pembina	240.00	189.19	200.00	252.43	219.51	237.11	247.52	337.50	313.95	265.31
Pierce	200.00	172.41	203.70	208.33	294.12	250.00	213.11	264.15	217.39	295.45
Ramsey	340.21	415.18	309.28	433.16	370.17	517.65	435.29	452.51	442.95	446.54
Ransom	183.10	195.12	215.38	308.82	228.57	291.67	187.50	213.33	225.81	281.25
Renville	181.82	142.86	230.77	129.03	214.29	208.33	343.75	192.31	200.00	266.67
Richland	205.02	238.87	251.06	215.45	246.86	293.62	282.87	323.01	282.61	353.77
Rolette	633.33	609.91	659.31	658.46	663.27	708.33	701.30	693.66	715.38	681.21
Sargent	102.04	171.88	177.42	186.44	150.94	230.77	120.00	176.47	152.17	294.12
Sheridan	142.86	117.65	214.29	266.67	285.71	166.67	266.67	0.00	444.44	0.00
Sioux	735.85	699.12	800.00	727.27	761.90	734.18	672.90	614.68	721.15	747.66
Slope	250.00	0.00	83.33	0.00	0.00	285.71	0.00	200.00	142.86	428.57
Stark	230.98	311.18	201.44	332.34	275.86	253.38	309.52	268.12	299.30	308.27
Steele	86.96	120.00	121.21	185.19	68.97	133.33	50.00	136.36	47.62	76.92
Stutsman	304.50	294.96	329.11	306.05	371.32	344.54	305.88	354.84	379.56	339.37
Towner	352.94	264.71	250.00	228.57	333.33	305.56	250.00	260.87	235.29	352.94
Traill	283.19	203.70	270.83	241.07	252.53	108.43	191.67	212.12	217.82	220.93
Walsh	201.06	286.55	281.44	276.47	246.91	351.85	331.08	239.52	347.31	310.13
Ward	224.58	247.76	244.90	223.10	222.02	249.33	255.06	262.66	278.59	284.97
Wells	129.63	150.94	120.00	263.16	300.00	190.48	146.34	131.58	130.43	234.04
Williams	231.58	298.18	350.34	338.98	341.00	386.03	395.16	380.95	366.14	406.93
North Dakota	276.70	285.08	285.14	287.31	293.65	304.00	307.87	319.62	330.84	339.74

Source: NDDoH, Division of Vital Records

Table 42: Out-of-Wedlock Births by County

County	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Adams	10	5	7	6	3	4	1	3	5	5
Barnes	29	25	29	29	34	35	28	40	31	31
Benson	95	74	82	54	54	84	77	73	89	85
Billings	2	1	1	0	1	1	2	2	2	1
Bottineau	10	7	13	14	13	12	16	12	15	18
Bowman	9	6	7	3	2	5	9	6	2	3
Burke	5	5	2	4	2	2	2	1	1	1
Burleigh	226	212	203	207	218	189	230	209	179	224
Cass	269	304	330	287	324	342	387	402	372	375
Cavalier	10	8	3	2	4	3	7	3	4	6
Dickey	7	4	7	12	9	2	7	7	8	12
Divide	2	3	3	3	2	4	3	3	1	2
Dunn	5	8	11	9	9	10	6	8	3	7
Eddy	2	3	5	0	4	5	5	8	6	2
Emmons	9	6	5	6	10	7	4	8	4	4
Foster	10	11	11	12	17	6	10	10	9	6
Golden Valley	1	8	4	6	6	2	2	3	2	1
Grand Forks	201	197	177	195	200	221	218	205	235	239
Grant	3	2	1	1	1	6	3	8	4	4
Griggs	4	5	5	4	5	6	7	4	4	0
Hettinger	6	5	4	4	4	4	0	3	5	1
Kidder	1	6	4	4	3	4	6	5	6	9
LaMoure	9	1	1	9	7	7	1	5	2	2
Logan	1	1	2	2	6	3	2	2	0	2
McHenry	13	18	5	10	6	9	14	8	15	13
McIntosh	4	3	5	7	7	2	3	4	3	2
McKenzie	29	40	33	23	20	26	35	27	27	33
McLean	26	23	20	27	20	23	26	30	20	20
Mercer	11	12	14	17	17	17	16	12	19	24
Morton	70	70	80	68	75	73	86	93	84	101
Mountrail	43	42	40	45	37	43	45	42	45	54
Nelson	2	6	6	5	0	3	2	7	3	6
Oliver	0	1	3	2	4	6	2	0	5	0
Pembina	21	17	15	18	24	20	21	21	21	20
Pierce	8	8	9	8	11	10	10	10	9	8
Ramsey	49	76	47	61	57	69	62	61	52	58
Ransom	8	12	9	19	13	15	8	13	8	9
Renville	5	2	4	2	3	2	5	5	2	3
Richland	32	41	45	38	43	50	54	57	49	59
Rolette	196	184	196	197	178	211	200	182	173	183
Sargent	3	7	10	10	7	11	4	8	5	12
Sheridan	2	2	2	4	4	1	4	0	4	0
Sioux	74	76	63	53	72	50	66	64	69	72
Slope	2	0	1	0	0	2	0	2	1	3
Stark	64	76	47	95	69	60	67	63	72	67
Steele	2	1	4	3	1	3	1	2	1	0
Stutsman	64	62	79	61	79	62	60	59	74	52
Towner	9	7	9	6	11	11	8	4	2	3
Traill	23	13	19	12	13	6	19	14	19	12
Walsh	26	33	32	33	32	45	34	33	49	40
Ward	176	181	184	170	170	205	198	202	199	188
Wells	6	5	5	13	10	8	3	3	6	9
Williams	56	69	97	90	76	90	86	86	77	83
North Dakota	1,950	1,994	2,000	1,970	1,997	2,097	2,172	2,142	2,102	2,174

Source: NDDoH, Division of Vital Records

Table 43: Out-of-Wedlock Birth Rates by County

County	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Adams	256.41	166.67	189.19	260.87	120.00	160.00	38.46	157.89	312.50	219.39
Barnes	216.42	176.06	211.68	250.00	265.63	261.19	239.32	294.12	276.79	295.24
Benson	664.34	548.15	661.29	490.91	556.70	661.42	592.31	598.36	659.26	658.91
Billings	100.00	62.50	111.11	0.00	90.91	125.00	200.00	285.71	333.33	166.67
Bottineau	120.48	114.75	166.67	218.75	216.67	300.00	219.18	244.90	294.12	352.94
Bowman	200.00	193.55	189.19	103.45	74.07	138.89	257.14	176.47	111.11	90.91
Burke	172.41	263.16	74.07	200.00	86.96	117.65	117.65	111.11	58.82	58.82
Burleigh	254.22	237.14	241.67	231.03	250.57	224.20	261.96	252.72	221.26	254.26
Cass	179.69	191.32	210.19	185.28	204.03	208.28	237.13	250.16	227.66	229.36
Cavalier	128.21	119.40	50.85	36.36	93.02	88.24	142.86	73.17	133.33	171.43
Dickey	80.46	51.28	98.59	181.82	132.35	35.71	129.63	125.00	135.69	160.00
Divide	83.33	125.00	142.86	214.29	166.67	200.00	200.00	272.73	83.33	181.82
Dunn	111.11	181.82	200.00	191.49	272.73	250.00	176.47	333.33	96.77	225.81
Eddy	62.50	130.43	178.57	0.00	137.93	166.67	238.10	250.00	222.22	76.92
Emmons	136.36	113.21	84.75	107.14	161.29	145.83	83.33	190.48	133.33	137.93
Foster	156.25	244.44	255.81	240.00	333.33	181.82	263.16	217.39	225.00	206.90
Golden Valley	50.00	307.69	121.21	300.00	181.82	100.00	95.24	187.50	133.33	66.67
Grand Forks	175.24	172.81	152.72	169.12	180.67	196.27	216.27	211.78	281.44	268.84
Grant	111.11	58.82	28.57	47.62	25.64	222.22	120.00	333.33	210.53	235.29
Griggs	129.03	178.57	156.25	142.86	156.25	214.29	250.00	222.22	210.53	0.00
Hettinger	171.43	227.27	137.93	160.00	125.00	173.91	0.00	136.36	178.57	55.56
Kidder	30.30	206.90	129.03	160.00	130.43	160.00	206.90	294.12	222.22	333.33
LaMoure	160.71	24.39	21.28	209.30	129.63	184.21	23.81	108.70	83.33	48.78
Logan	47.62	52.63	68.97	76.92	222.22	96.77	86.96	76.92	0.00	117.65
McHenry	232.14	285.71	89.29	178.57	125.00	142.86	229.51	126.98	283.02	232.14
McIntosh	160.00	100.00	192.31	166.67	194.44	71.43	96.77	166.67	107.14	62.50
McKenzie	325.84	373.83	354.84	323.94	259.74	440.68	416.67	409.09	402.99	471.43
McLean	226.09	230.00	212.77	306.82	256.41	277.11	288.89	344.83	212.77	263.16
Mercer	84.62	102.56	126.13	184.78	155.96	197.67	200.00	153.85	275.36	324.32
Morton	247.35	222.93	274.91	227.42	241.16	247.46	278.32	297.12	279.07	351.92
Mountrail	409.52	432.99	400.00	478.72	389.47	390.91	459.18	560.00	483.87	613.64
Nelson	57.14	125.00	157.89	135.14	0.00	136.36	52.63	269.23	142.86	176.47
Oliver	0.00	62.50	214.29	133.33	266.67	375.00	117.65	0.00	294.12	0.00
Pembina	216.49	161.90	164.84	197.80	200.00	217.39	218.75	287.67	269.23	222.22
Pierce	153.85	145.45	183.67	177.78	244.44	192.31	172.41	208.33	204.55	205.13
Ramsey	288.24	370.73	267.05	371.95	337.28	456.95	397.44	391.03	393.94	402.78
Ransom	121.21	164.38	152.54	292.31	194.03	230.77	145.45	188.41	142.86	163.64
Renville	156.25	105.26	173.91	71.43	120.00	95.24	192.31	192.31	111.11	214.29
Richland	147.47	180.62	205.48	169.64	198.16	233.64	235.81	280.79	237.86	301.02
Rolette	626.20	595.47	646.86	643.79	642.60	703.33	687.29	681.65	700.40	663.04
Sargent	63.83	116.67	172.41	175.44	145.83	220.00	85.11	160.00	119.05	255.32
Sheridan	100.00	117.65	166.67	266.67	285.71	90.91	266.67	0.00	444.44	0.00
Sioux	725.49	690.91	797.47	716.22	757.89	724.64	666.67	615.38	704.08	727.27
Slope	181.82	0.00	83.33	0.00	0.00	285.71	0.00	200.00	142.86	428.57
Stark	189.35	251.66	176.69	297.81	234.69	217.39	250.94	240.46	270.68	269.08
Steele	90.91	43.48	129.03	120.00	37.04	107.14	50.00	100.00	50.00	0.00
Stutsman	245.21	251.01	282.14	243.03	326.45	288.37	256.41	308.90	316.24	270.83
Towner	300.00	233.33	236.84	181.82	323.53	323.53	250.00	190.48	133.33	230.77
Trail	225.49	132.65	223.53	126.32	151.16	75.95	166.67	152.17	195.88	153.85
Walsh	152.94	220.00	219.18	218.54	210.53	306.12	261.54	207.55	318.18	272.11
Ward	172.89	181.91	180.57	164.09	169.32	200.00	192.98	212.41	227.43	219.63
Wells	113.21	102.04	104.17	236.36	232.56	195.12	78.95	85.71	133.33	200.00
Williams	208.96	268.48	339.16	322.58	307.69	351.56	370.69	359.83	323.53	380.73
North Dakota	219.40	226.15	230.07	229.47	235.52	251.26	259.87	270.11	275.31	283.22

Source: NDDoH, Division of Vital Records

Table 44: Domestic Violence Incidence by County

County	Number of Domestic Violence Incidents					Rate/100,000
	1995	1996	1997	1998	1995-98	
Adams	2	2	2	1	7	63.3
Barnes	20	22	19	24	85	175.2
Benson	1	3	2	0	6	21.5
Billings	0	4	0	0	4	88.3
Bottineau	6	4	3	10	23	74.8
Bowman	4	1	2	0	7	53.5
Burke	0	2	0	0	2	19.8
Burleigh	214	215	222	174	825	318.2
Cass	164	167	146	147	624	140.3
Cavalier	0	0	4	0	4	18.0
Dickey	1	6	7	3	17	72.8
Divide	3	1	2	1	7	68.1
Dunn	0	0	2	0	2	13.4
Eddy	1	2	5	2	10	87.1
Emmons	2	1	3	4	10	55.2
Foster	0	0	0	0	-	0.0
Golden Valley	1	1	4	0	6	77.4
Grand Forks	209	225	220	217	871	307.4
Grant	1	0	2	2	5	39.1
Griggs	0	0	3	2	5	41.9
Hettinger	0	2	0	0	2	16.4
Kidder	6	3	4	6	19	155.6
LaMoure	1	2	2	0	5	25.7
Logan	2	2	2	1	7	68.9
McHenry	6	15	5	7	33	132.4
McIntosh	0	1	2	1	4	23.7
McKenzie	3	1	7	3	14	59.9
McLean	8	9	16	6	39	98.2
Mercer	27	34	11	19	91	242.5
Morton	94	106	124	117	441	452.7
Mountrail	1	2	3	6	12	44.5
Nelson	2	0	6	2	10	62.0
Oliver	1	0	1	2	4	45.0
Pembina	16	16	24	17	73	208.0
Pierce	5	8	0	4	17	91.4
Ramsey	65	36	82	69	252	498.1
Ransom	6	13	7	8	34	144.7
Renville	4	2	4	4	14	119.9
Richland	42	40	26	37	145	197.3
Rolette	2	0	6	20	28	51.0
Sargent	2	5	5	2	14	78.5
Sheridan	0	0	0	0	-	0.0
Sioux	5	9	5	5	24	147.8
Slope	1	0	0	0	1	29.4
Stark	68	74	60	54	256	278.9
Steele	0	0	1	0	1	11.0
Stutsman	75	88	91	116	370	428.4
Towner	0	6	4	11	21	163.6
Traill	8	8	3	5	24	69.5
Walsh	29	29	29	35	122	232.5
Ward	212	233	194	246	885	379.4
Wells	1	5	7	7	20	93.5
Williams	75	66	71	53	265	323.1
Total	1,396	1,471	1,450	1,450	5,767	225.1

Source: Office of Attorney General, Domestic Violence in North Dakota