

# Upper Missouri District Health Unit

## *Community Health Profile*

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January 2019



# TABLE OF CONTENTS

Data Sources.....	i
Photograph Credits.....	i
<b>POPULATION DATA</b>	
Table 1: Population by Age Group.....	1
Table 2: Female Population and Percentage Female by Age.....	1
Table 3: Race.....	1
Table 4: Household Populations.....	2
Table 5: Population Change.....	2
Table 6: Marital Status of Persons Age 15 and Older.....	2
Table 7: Educational Attainment Among Persons 25+.....	2
Table 8: Persons with Disability.....	3
Table 9: Income and Poverty Status by Age Group.....	3
Table 10: Family Poverty and Childhood and Elderly Poverty.....	3
Table 11: Age of Housing.....	3
<b>VITAL STATISTICS DATA</b>	
Birth and Deaths Definitions.....	4
Table 12: Births.....	5
Table 13: Child Deaths.....	5
Table 14: Deaths and Age Adjusted Death Rate by Cause.....	5
Table 15: Leading Causes of Death by Age Group for First District.....	6
Table 16: Leading Causes of Death by Age Group for North Dakota.....	6



## Data Sources

The Demographic Section of this report comes from the US Census Bureau ([www.census.gov](http://www.census.gov)). Most tables are derived either from the Census estimates for 2015 or from the Community Population Survey aggregated over a several year period. The table header describes the specific years from which the data is derived. Tables present number of persons and percentages which in almost all circumstances represent the category specific percentage of all persons referenced by the table (e.g., percentage of persons age 15 and older who are married). Age specific poverty rates represent the percentage of each age group which is in poverty (e.g., percentage of children under five years in poverty).

The Vital Statistics Section of this report comes from the birth and death records collected by the North Dakota Department of Health Vital Records. This data is aggregated over a five year period. All births and deaths represent the county of residence not the county of occurrence. The number of events is blocked if fewer than six.

The Adult Behavioral Risk Factor Section of this report is derived from the North Dakota Department of Health's Behavioral Risk Factor Surveillance Survey. The aggregated data (the number of years specified is in the table) is continuously collected by telephone survey from persons 18 years and older, residing in North Dakota. All data is self-reported data.

Data presented in the Crime section of this report is collected from the North Dakota Attorney General website located at: [www.ag.nd.gov/Reports/BCIReports/CrimeHomicide/CrimeHomicide.htm](http://www.ag.nd.gov/Reports/BCIReports/CrimeHomicide/CrimeHomicide.htm).

Data presented in the Child Health Indicators section of this report is collected from the Kids Count Data Center website located at: [www.datacenter.kidscount.org](http://www.datacenter.kidscount.org).

## Photography Credits

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## POPULATION DATA

Table 1 **Population by Age Group, 2016 Census Estimates**

Age Group	UMDHU		North Dakota	
	Number	Percent	Number	Percent
0-9	3,375	15.4%	105,035	13.9%
10-19	2,897	13.2%	93,820	12.4%
20-29	3,306	15.1%	127,579	16.8%
30-39	2,877	13.1%	101,492	13.4%
40-49	2,483	11.3%	79,632	10.5%
50-59	3,077	14.0%	95,466	12.6%
60-69	2,166	9.9%	80,159	10.6%
70-79	998	4.6%	41,996	5.5%
80+	731	3.3%	32,773	4.3%
<b>Total</b>	<b>21,910</b>	<b>100.0%</b>	<b>757,952</b>	<b>100.0%</b>
0-17	5,787	26.4%	176,311	23.3%
65+	2,634	12.0%	109,999	14.5%

Table 2 **Female Population and Percentage Female by Age, 2016 Census Estimates**

Age Group	UMDHU		North Dakota	
	Number	Percent	Number	Percent
0-9	1,675	16.3%	51,145	13.9%
10-19	1,402	13.7%	45,349	12.3%
20-29	1,382	13.5%	58,619	15.9%
30-39	1,268	12.4%	47,001	12.7%
40-49	1,152	11.2%	37,992	10.3%
50-59	1,401	13.7%	46,809	12.7%
60-69	1,023	10.0%	39,397	10.7%
70-79	490	4.8%	22,236	6.0%
80+	458	4.5%	20,430	5.5%
<b>Total</b>	<b>10,251</b>	<b>100.0%</b>	<b>368,978</b>	<b>100.0%</b>
0-17	2,869	28.0%	85,921	23.3%
65+	1,368	13.3%	60,025	16.3%

Table 3 **Race Distribution, 5 Year Estimates (2012-2016)**

	UMDHU		North Dakota	
	Number	Percent	Number	Percent
<b>Total</b>	<b>22,762</b>	<b>100.0%</b>	<b>736,162</b>	<b>100.0%</b>
White	17,327	76.1%	649,730	88.3%
Black	140	0.6%	14,761	2.0%
Am. Indian	4,337	19.1%	38,369	5.2%
Asian	133	0.6%	9,296	1.3%
Pac. Islander	0	0.0%	336	0.0%
Other	208	0.9%	5,691	0.8%
Multi-race	617	2.7%	17,979	2.4%

## POPULATION DATA

Table 4 **Household Populations, 2011 ACS Five Year Estimates**

	UMDHU		North Dakota	
	Number	Percent	Number	Percent
Total	15,802	100.0%	666,783	100.0%
In Family Households	13,109	83.0%	509,097	76.4%
In Non-Family Households	2,342	14.8%	132,651	19.9%
Total In Households	15,451	97.8%	641,748	96.2%
Institutionalized	174	1.1%	9,675	1.5%
Non-institutionalized	177	1.1%	15,360	2.3%
Total in Group Quarters	351	2.2%	25,035	3.8%

Table 5 **Population Change 2000-2015**

Year	UMDHU	5 Year Change (%)	North Dakota	5 Year Change (%)
2000	14,651		642,200	
2005	14,090	-3.8%	636,677	-0.9%
2010	16,104	14.3%	674,449	5.9%
2015	25,545	58.6%	756,928	12.2%

Table 6 **Marital Status of Persons Age 15 and Older, 2016 ACS 5 Year Estimate**

Marital Status	UMDHU		North Dakota	
	Number	Percent	Number	Percent
Total Age 15+	17,553	100.0%	594,068	100.0%
Never Married	5,957	33.9%	189,508	31.9%
Now Married	8,606	49.0%	308,915	52.0%
Separated	178	1.0%	5,347	0.9%
Widowed	982	5.6%	33,862	5.7%
Divorced	1,838	10.5%	56,436	9.5%

Table 7 **Educational Attainment Among Persons 25+, 2016 ACS 5 Year Estimate**

Education	UMDHU		North Dakota	
	Number	Percent	Number	Percent
Total	14,403	100.0%	477,607	100.0%
Less than 9th Grade	443	3.1%	16,846	3.5%
Some High School	762	5.3%	21,188	4.4%
High school or GRE	4,430	30.8%	131,086	27.4%
Some College/Assoc. Degree	5,312	36.9%	173,933	36.4%
Bachelor's Degree	2,707	18.8%	97,890	20.5%
Post Graduate Degree	749	5.2%	36,664	7.7%

## POPULATION DATA

Table 8

Group	UMDHU		North Dakota	
	Number	Percent	Number	Percent
Total	22,516	100.0%	720,312	100.0%
Any Disability	1,962	8.7%	77,651	10.8%
No Disability	20,554	91.3%	642,661	89.2%
Self Care Disability	153	0.7%	11,469	1.7%
0-17 with Any Disability	99	5.0%	5,618	7.2%
18-64 with Any Disability	1,143	58.3%	38,310	49.3%
65+ with Any Disability	720	36.7%	33,723	43.4%

Table 9

	UMDHU		North Dakota	
	Number	Percent	Number	Percent
Median Household Income	NA		\$59,114	
Per Capita Income	NA		\$33,107	
Below Poverty Level	2,698	12.0%	79,314	11.2%
Under 5 years	350	13.0%	7,618	9.6%
5 to 11 years	441	16.3%	8,423	10.6%
12 to 17 years	250	9.3%	5,349	6.7%
18 to 64 years	1,316	48.8%	48,969	61.7%
65 to 74 years	209	7.7%	3,532	4.5%
75 years and over	132	4.9%	5,423	6.8%
Total Known Children in Poverty	1,041	18.0%	21,390	12.1%
Total Known Age 65+ in Poverty	341	12.9%	8,955	8.1%

Table 10

	UMDHU		North Dakota	
	Number	Percent	Number	Percent
Total Families	5,018	100.0%	183,466	100.0%
Families in Poverty	403	8.0%	12,659	6.9%
Families with Own Children	2,452	48.9%	84,714	46.2%
Families with Own Children in Poverty	320	6.4%	9,912	5.4%
Families with Own Children and Female Parent Only	504	10.0%	23,496	28.0%
Families with Own Children and Female Parent Only in Poverty	193	3.8%	8,881	4.9%

\* Percent family poverty is percent of total families

Table 11

	UMDHU		North Dakota	
	Number	Percent	Number	Percent
Housing Units: Total	10,811	100.0%	350,134	100.0%
1980 and Later	4,562	42.2%	149,657	42.7%
1970 to 1979	1,703	15.8%	67,069	19.2%
Prior to 1970	4,546	42.0%	133,408	38.1%

# Vital Statistics Data

## BIRTHS AND DEATHS DEFINITIONS

Formulas for calculating rates and ratios are as follows:

**Birth Rate** = Resident live births divided by the total resident population x 1000.

**Pregnancies** = Live births + Fetal deaths + Induced termination of pregnancy.

**Pregnancy Rate** = Total pregnancies divided by the total resident population x 1000.

**Fertility Rate** = Resident live births divided by female population (age 15-44) x 1000.

**Teenage Birth Rate** = Teenage births (age <20) divided by female teen population x 1000.

**Teenage Pregnancy Rate** = Teenage pregnancies (age <20) divided by female teen population x 1000.

**Out of Wedlock Live Birth Ratio** = Resident OOW live births divided by total resident live births x 1000.

**Out of Wedlock Pregnancy Ratio** = Resident OOW pregnancies divided by total pregnancies x 1000.

**Low Weight Ratio** = Low weight births (birth weight < 2500 grams) divided by total resident live births x 1000.

**Infant Death Ratio** = Number of infant deaths divided by the total resident live births x 1000.

**Childhood & Adolescent Deaths** = Deaths to individuals 1 - 19 years of age.

**Childhood and Adolescent Death Rate** = Number of resident deaths (age 1 - 19) divided by population (age 1 - 19) x 100,000.

**Crude Death Rate** = Death events divided by population x 100,000.

**Age-Adjusted Death Rate** = Death events with age specific adjustments x 100,000 population.



# Vital Statistics Data

## BIRTHS AND DEATHS

Table 12 Births, 2012-2016

	UMDHU		North Dakota	
	Number	Rate or Ratio	Number	Rate or Ratio
Live Births and Rate	5,069	29.5	54,644	16.3
Pregnancies and Rate	5,410	31.4	59,226	17.6
Fertility Rate	171.8		84.6	
Teen Births and Rate	NA		2,715	23.8
Teen Pregnancies and Rate	NA		3,263	28.6
Out of Wedlock Births and Ratio	NA		17,518	320.6
Out of Wedlock Pregnancies and Ratio	NA		21,289	359.5
Low Birth Weight Birth and Ratio	NA		3,448	63.1

Table 13 Child Deaths, 2012-2016

	UMDHU		North Dakota	
	Number	Rate or Ratio	Number	Rate or Ratio
Infant Deaths and Ratio	NA		299	5.5
Child and Adolescent Deaths and Rate	56	118.7	235	28.8
Total Deaths and Crude Rate	2,022	1,175.2	30,152	896.6

Table 14 Deaths and Age Adjusted Death Rate by Cause, 2012-2016

	UMDHU		North Dakota	
	Number	Adj. Rate	Number	Adj. Rate
All Causes	2,022	659.7	30,303	674.8
Heart Disease	430	126.6	6,571	140.3
Cancer	358	100.9	6,215	142.1
Stroke	96	25.2	1,546	31.9
Alzheimer's Disease	72	17.7	2,130	41.2
COPD	99	25.7	1,623	35.2
Unintentional Injury	203	98.8	1,764	45.9
Diabetes Mellitus	88	25.9	908	20.6
Pneumonia and Influenza	70	21.7	791	16.5
Cirrhosis	40	18.1	429	11.6
Suicide	61	31.7	630	18.4
Hypertension	NA		467	9.5



# Vital Statistics Data

## BIRTHS AND DEATHS

Table 15

Leading Causes of Death by Age Group for Upper Missouri District Health Unit, 2012-2016			
Age	1	2	3
0-4	Sudden Infant Death 7	Unintentional Injury*	Congenital Anomaly*
5-14	Unintentional Injury*		
15-24	Unintentional Injury 16	Suicide 7	Homicide*
25-34	Unintentional Injury 14	Suicide 7	Diseases of the Heart*
35-44	Diseases of the Heart 10	Unintentional Injury 8	Cancer*
45-54	Diseases of the Heart 21	Cancer 17	Unintentional Injury 14
55-64	Cancer 63	Diseases of the Heart 34	Unintentional Injury 20
65-74	Cancer 89	Diseases of the Heart 53	COPD 23
75-84	Diseases of the Heart 114	Cancer 112	Alzheimer's Disease 32
85+	Diseases of the Heart 254	Cancer 109	Alzheimer's Disease 89

Table 16

Leading Causes of Death by Age Group for North Dakota, 2012-2016			
Age	1	2	3
0-4	Congenital Anomaly 53	Prematurity 50	Sudden Infant Death 45
5-14	Unintentional Injury 21	Suicide 6	Homicide*
15-24	Unintentional Injury 191	Suicide 127	Cancer 16
25-34	Unintentional Injury 211	Suicide 125	Heart 50
35-44	Unintentional Injury 184	Suicide 107	Heart 99
45-54	Cancer 350	Heart 282	Unintentional Injury 210
55-64	Cancer 1,094	Heart 646	Unintentional Injury 192
65-74	Cancer 1,563	Heart 902	COPD 348
75-84	Cancer 1,793	Heart 1,441	COPD 565
85+	Heart 3,141	Alzheimer's Dz 1,566	Cancer 1,261

\*Numbers less than six will not be listed.