First District Health Unit

Community Health Profile

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Data Sources

The Demographic Section of this report comes from the US Census Bureau (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.

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.

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- Jerry Blank – Lightening Storm north of Williston and Sunset over Little Missouri river
  www.jerryblank.us/gallery-nd.html
- ND Department of Commerce – Oil wells
  www.commerce.nd.gov/news/MediaGallery/
- ND Tourism Division – All other photos
  www.ndtourism.com/

POPULATION DATA

Table 1

Population by Age Group, 2016 Census Estimates				
Age Group	FDHU		North Dakota	
	Number	Percent	Number	Percent
0-9	13,865	14.1%	105,035	13.9%
10-19	11,664	11.8%	93,820	12.4%
20-29	17,987	18.2%	127,579	16.8%
30-39	13,399	13.6%	101,492	13.4%
40-49	9,953	10.1%	79,632	10.5%
50-59	11,756	11.9%	95,466	12.6%
60-69	10,110	10.2%	80,159	10.6%
70-79	5,655	5.7%	41,996	5.5%
80+	4,250	4.3%	32,773	4.3%
Total	98,639	100.0%	757,952	100.0%
0-17	22,782	23.1%	176,311	23.3%
65+	14,398	14.6%	109,999	14.5%

Table 2

Female Population and Percentage Female by Age, 2016 Census Estimates				
Age Group	FDHU		North Dakota	
	Number	Percent	Number	Percent
0-9	6,707	14.4%	51,145	13.9%
10-19	5,447	11.7%	45,349	12.3%
20-29	7,374	15.8%	58,619	15.9%
30-39	6,164	13.2%	47,001	12.7%
40-49	4,715	10.1%	37,992	10.3%
50-59	5,731	12.3%	46,809	12.7%
60-69	4,914	10.5%	39,397	10.7%
70-79	2,949	6.3%	22,236	6.0%
80+	2,603	5.6%	20,430	5.5%
Total	46,604	100.0%	368,978	100.0%
0-17	11,019	23.6%	85,921	23.3%
65+	7,755	16.6%	60,025	16.3%

Table 3

Race Distribution, 5 Year Estimates (2012-2016)				
Race	FDHU		North Dakota	
	Number	Percent	Number	Percent
Total	96,611	100.0%	736,162	100.0%
White	86,237	89.3%	649,730	88.3%
Black	2,493	2.6%	14,761	2.0%
Am. Indian	2,127	2.2%	38,369	5.2%
Asian	1,069	1.1%	9,296	1.3%
Pac. Islander	1,222	1.3%	336	0.0%
Other	1,742	1.8%	5,691	0.8%
Multi-race	3,592	3.7%	17,979	2.4%

POPULATION DATA

Table 4

Household Populations, 2011 ACS Five Year Estimates

	FDHU		North Dakota	
	Number	Percent	Number	Percent
Total	87,072	100.0%	666,783	100.0%
In Family Households	68,576	78.8%	509,097	76.4%
In Non-Family Households	15,543	17.9%	132,651	19.9%
Total In Households	84,119	96.6%	641,748	96.2%
Institutionalized*	1,182	1.4%	9,675	1.5%
Non-institutionalized*	1,771	2.0%	15,360	2.3%
Total in Group Quarters	2,953	3.4%	25,035	3.8%

Table 5

Population Change 2000-2015

Census	FDHU	5 Year Change (%)	North Dakota	5 Year Change (%)
2000	87,804		642,200	
2005	82,716	-5.8%	636,677	-0.9%
2010	88,220	6.7%	674,530	5.9%
2015	99,974	13.3%	756,927	12.2%

Table 6

Marital Status of Persons Age 15 and Older, 2016 ACS Five Year Estimates

Marital Status	FDHU		North Dakota	
	Number	Percent	Number	Percent
Total Age 15+	78,065	100.0%	594,068	100.0%
Never Married	23,369	29.9%	189,508	31.9%
Now Married	42,515	54.5%	308,915	52.0%
Separated	883	1.1%	5,347	0.9%
Widowed	4,554	5.8%	33,862	5.7%
Divorced	6,761	8.7%	56,436	9.5%

Table 7

Educational Attainment Among Persons 25+, 2016 ACS Five Year Estimates

Education	FDHU		North Dakota	
	Number	Percent	Number	Percent
Total	62,375	100.0%	477,607	100.0%
Less Than 9th Grade	2,035	3.3%	16,846	3.5%
Some High School	2,671	4.3%	21,188	4.4%
High School or GRE	19,401	31.1%	131,086	27.4%
Some College/Assoc. Degree	23,209	37.2%	173,933	36.4%
Bachelor's Degree	11,435	18.3%	97,890	20.5%
Post Graduate Degree	3,624	5.8%	36,664	7.7%

Table 8

Persons with Disability, 2016 ACS Five Year Estimates				
	FDHU		North Dakota	
Group	**Number**	**Percent**	**Number**	**Percent**
Total	92,805	100.0%	720,312	100.0%
Any Disability	9,835	10.6%	77,651	10.8%
No Disability	82,970	89.4%	642,661	89.2%
Self Care Disability	1,227	1.3%	11,469	1.7%
0-17 with Any Disability	654	6.6%	5,618	7.2%
18-64 with Any Disability	4,978	50.6%	38,310	49.3%
65+ with Any Disability	4,203	42.7%	33,723	43.4%

Table 9

Income and Poverty Status by Age Group, 2016 ACS Five Year Estimates				
	FDHU		North Dakota	
Median Household Income	NA		$59,114	
Per Capita Income	NA		$33,107	
	Number	**Percent**	**Number**	**Percent**
Below Poverty Level	7,633	8.1%	79,314	11.2%
Under 5 years	683	0.7%	7,618	9.6%
5 to 11 years	813	0.9%	8,423	10.6%
12 to 17 years	525	0.6%	5,349	6.7%
18 to 64 years	4,636	4.9%	48,969	61.7%
65 to 74 years	316	0.3%	3,532	4.5%
75 years and over	660	0.7%	5,423	6.8%

Table 10

Family Poverty and Childhood and Elderly Poverty, 2016 ACS Five Year Estimates				
	FDHU		North Dakota	
	Number	**Percent**	**Number**	**Percent**
Total Families	24,333	100.0%	183,466	100.0%
Families in Poverty	1,175	4.8%	12,659	6.9%
Families with Own Children	10,656	43.8%	84,714	46.2%
Families with Own Children in Poverty	845	3.5%	9,912	5.4%
Families with Own Children and Female Parent Only	1,611	6.6%	23,496	28.0%
Families with Own Children and Female Parent Only in Poverty	507	2.1%	8,881	4.9%
Total Known Children in Poverty	2211	9.7%	21,390	12.1%
Total Known Age 65+ in Poverty	1125	4.9%	8,955	8.1%

- Percent family poverty is percent of total families

Table 11

Age of Housing, 2016 ACS Five Year Estimates				
	FDHU		North Dakota	
	Number	**Percent**	**Number**	**Percent**
Housing Units: Total	48,166	100.0%	350,134	100.0%
1980 and Later	19,147	39.8%	149,657	42.7%
1970 to 1979	8,866	18.4%	67,069	19.2%
Prior to 1970	20,153	41.8%	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.

Table 12

Births, 2012-2016	FDHU		North Dakota	
	Number	Rate or Ratio	Number	Rate or Ratio
Live Births and Rate	7,769	17.70	54,644	16.3
Pregnancies and Rate	8,399	19.13	59,226	17.6
Fertility Rate	103.30		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	FDHU		North Dakota	
	Number	Rate or Ratio	Number	Rate or Ratio
Infant Deaths and Ratio	NA		299	5.5
Child and Adolescent Deaths and Rate	76	71.84	235	28.8
Total Deaths and Crude Rate	3,885	884.93	30,152	896.6

Table 14

Deaths and Age Adjusted Death Rate by Cause, 2012-2016	FDHU		North Dakota	
	Number	Adj. Rate	Number	Adj. Rate
All Causes	3,885	513.43	30,303	674.8
Heart Disease	810	102.8	6,571	140.3
Cancer	815	105.75	6,215	142.1
Stroke	209	24.32	1,546	31.9
Alzheimer's Disease	235	26.47	2,130	41.2
COPD	226	23.57	1,623	35.2
Unintentional Injury	229	42.39	1,764	45.9
Diabetes Mellitus	108	13.54	908	20.6
Pneumonia and Influenza	131	14.85	791	16.5
Cirrhosis	39	7.28	429	11.6
Suicide	100	21.54	630	18.4
Hypertension	NA		467	9.5

Vital Statistics Data

BIRTHS AND DEATHS

Table 15

Age	Leading Causes of Death by Age Group for FDHU, 2012-2016		
Age	**1**	**2**	**3**
0-4	Prematurity 10	Congenital Anomaly 8	Sudden Infant Death*
5-14	Unintentional Injury*	Congenital Anomaly*	Homicide*
15-24	Unintentional Injury 32	Suicide 26	Cancer 6
25-34	Unintentional Injury 29	Suicide 19	Diseases of the Heart*
35-44	Unintentional Injury 23	Suicide 12	Cancer 10
45-54	Cancer 57	Diseases of the Heart 39	Unintentional Injury 30
55-64	Cancer 144	Diseases of the Heart 84	Unintentional Injury 24
65-74	Cancer 206	Diseases of the Heart 125	COPD 43
75-84	Cancer 247	Diseases of the Heart 186	Alzheimer's Disease 53
85+	Diseases of the Heart 366	Alzheimer's Disease 169	Cerebrovascular Disease 104

Table 16

Age	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	Diseases of the Heart 50
35-44	Unintentional Injury 184	Suicide 107	Diseases of the Heart 99
45-54	Cancer 350	Diseases of the Heart 282	Unintentional Injury 210
55-64	Cancer 1,094	Diseases of the Heart 646	Unintentional Injury 192
65-74	Cancer 1,563	Diseases of the Heart 902	COPD 348
75-84	Cancer 1,793	Diseases of the Heart 1,441	COPD 565
85+	Diseases of the Heart 3,141	Alzheimer's Disease 1,566	Cancer 1,261

*Numbers less than six will not be listed.