

# Lake Region 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](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

Age Group	LRDHU		North Dakota	
	Number	Percent	Number	Percent
0-9	3,743	15.0%	105,035	13.9%
10-19	3,350	13.4%	93,820	12.4%
20-29	2,922	11.7%	127,579	16.8%
30-39	2,704	10.9%	101,492	13.4%
40-49	2,442	9.8%	79,632	10.5%
50-59	3,494	14.0%	95,466	12.6%
60-69	3,118	12.5%	80,159	10.6%
70-79	1,774	7.1%	41,996	5.5%
80+	1,364	5.5%	32,773	4.3%
<b>Total</b>	<b>24,911</b>	<b>100.0%</b>	<b>757,952</b>	<b>100.0%</b>
0-17	6,499	26.1%	176,311	23.3%
65+	4,577	18.4%	109,999	14.5%

Table 2

Age Group	LRDHU		North Dakota	
	Number	Percent	Number	Percent
0-9	1,813	14.7%	51,145	13.9%
10-19	1,629	13.3%	45,349	12.3%
20-29	1,378	11.2%	58,619	15.9%
30-39	1,284	10.4%	47,001	12.7%
40-49	1,206	9.8%	37,992	10.3%
50-59	1,727	14.0%	46,809	12.7%
60-69	1,519	12.4%	39,397	10.7%
70-79	900	7.3%	22,236	6.0%
80+	836	6.8%	20,430	5.5%
<b>Total</b>	<b>12,292</b>	<b>100.0%</b>	<b>368,978</b>	<b>100.0%</b>
0-17	3,171	25.8%	85,921	23.3%
65+	2,432	19.8%	60,025	16.3%

Table 3

Race	LRDHU		North Dakota	
	Number	Percent	Number	Percent
<b>Total</b>	<b>25,123</b>	<b>100.0%</b>	<b>736,162</b>	<b>100.0%</b>
White	19,287	76.8%	649,730	88.3%
Black	56	0.2%	14,761	2.0%
Am. Indian	5,132	20.4%	38,369	5.2%
Asian	60	0.2%	9,296	1.3%
Pac. Islander	11	0.0%	336	0.0%
Other	44	0.2%	5,691	0.8%
Multi-race	533	2.1%	17,979	2.4%

## POPULATION DATA

Table 4

	LRDHU		North Dakota	
	Number	Percent	Number	Percent
Total	24,852	100.0%	666,783	100.0%
In Family Households	19,797	79.7%	509,097	76.4%
In Non-Family Households	4,174	16.8%	132,651	19.9%
Total In Households	23,971	96.5%	641,748	96.2%
Institutionalized*	640	2.6%	9,675	1.5%
Non-institutionalized*	241	1.0%	15,360	2.3%
Total in Group Quarters	881	3.5%	25,035	3.8%

Table 5

Population Change 2000-2015				
Census	LRDHU	5 Year Change (%)	North Dakota	5 Year Change (%)
2000	26,462		642,200	
2005	24,933	-5.8%	635,365	-1.1%
2010	24,853	-0.3%	672,591	5.9%
2015	25,047	0.8%	754,859	12.2%



Table 6

Marital Status	LRDHU		North Dakota	
	Number	Percent	Number	Percent
Total Age 15+	19,875	100.0%	594,068	100.0%
Never Married	6,289	31.6%	189,508	31.9%
Now Married	9,512	47.9%	308,915	52.0%
Separated	144	0.7%	5,347	0.9%
Widowed	1,444	7.3%	33,862	5.7%
Divorced	2,487	12.5%	56,436	9.5%

Table 7

Education	LRDHU		North Dakota	
	Number	Percent	Number	Percent
Total	16,671	100.0%	477,607	100.0%
Less Than 9th Grade	597	3.6%	16,846	3.5%
Some High School	1,262	7.6%	21,188	4.4%
High School or GRE	5,379	32.3%	131,086	27.4%
Some College/Assoc. Degree	6,296	37.8%	173,933	36.4%
Bachelor's Degree	2,325	13.9%	97,890	20.5%
Post Graduate Degree	812	4.9%	36,664	7.7%

## POPULATION DATA

Table 8 **Persons with Disability, 2016 ACS Five Year Estimates**

Group	LRDHU		North Dakota	
	Number	Percent	Number	Percent
Total	5,164	100.0%	720,312	100.0%
Any Disability	708	13.7%	77,651	10.8%
No Disability	4,456	86.3%	642,661	89.2%
Self Care Disability	83	1.6%	11,469	1.7%
0-17 with Any Disability	48	6.8%	5,618	7.2%
18-64 with Any Disability	219	30.9%	38,310	49.3%
65+ with Any Disability	441	62.3%	33,723	43.4%

Table 9 **Income and Poverty Status by Age Group, 2016 ACS Five Year Estimates**

	LRDHU		North Dakota	
	Number	Percent	Number	Percent
Median Household Income	NA		\$59,114	
Per Capita Income	NA		\$33,107	
	Number	Percent	Number	Percent
Below Poverty Level	4,559	18.7%	79,314	11.2%
Under 5 years	642	2.6%	7,618	9.6%
5 to 11 years	690	2.8%	8,423	10.6%
12 to 17 years	489	2.0%	5,349	6.7%
18 to 64 years	2,174	8.9%	48,969	61.7%
65 to 74 years	234	1.0%	3,532	4.5%
75 years and over	330	1.4%	5,423	6.8%

Table 10 **Family Poverty and Childhood and Elderly Poverty, 2016 ACS Five Year Estimates**

	LRDHU		North Dakota	
	Number	Percent	Number	Percent
Total Families	6,174	100.0%	183,466	100.0%
Families in Poverty	859	4.9%	12,659	6.9%
Families with Own Children	2,883	34.9%	84,714	46.2%
Families with Own Children in Poverty	713	2.6%	9,912	5.4%
Families with Own Children and Female Parent Only	95	6.1%	23,496	28.0%
Families with Own Children and Female Parent Only in Poverty	16	1.0%	8,881	4.9%
Total Known Children in Poverty	1,821	28.0%	21,390	12.1%
Total Known Age 65+ in Poverty	564	12.3%	8,955	8.1%

\*Percent family poverty is percent of total families

Table 11 **Age of Housing, 2016 ACS Five Year Estimates**

	LRDHU		North Dakota	
	Number	Percent	Number	Percent
Housing Units: Total	12,418	100.0%	350,134	100.0%
1980 and Later	3,267	26.3%	149,657	42.7%
1970 to 1979	2,623	21.1%	67,069	19.2%
Prior to 1970	6,528	52.6%	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

	LRDHU		North Dakota	
	Number	Rate or Ratio	Number	Rate or Ratio
Live Births and Rate	1,948	14.7	54,644	16.3
Pregnancies and Rate	2,072	15.7	59,226	17.6
Fertility Rate	104.4		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

	LRDHU		North Dakota	
	Number	Rate or Ratio	Number	Rate or Ratio
Infant Deaths and Ratio	NA		299	5.5
Child and Adolescent Deaths and Rate	40	118.5	235	28.8
Total Deaths and Crude Rate	1,556	1,176.0	30,152	896.6

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

	LRDHU		North Dakota	
	Number	Adj. Rate	Number	Adj. Rate
All Causes	1,556	664.0	30,303	674.8
Heart Disease	394	150.8	6,571	140.3
Cancer	276	114.5	6,215	142.1
Stroke	111	36.1	1,546	31.9
Alzheimer's Disease	88	24.5	2,130	41.2
COPD	99	32.7	1,623	35.2
Unintentional Injury	101	64.7	1,764	45.9
Diabetes Mellitus	46	19.7	908	20.6
Pneumonia and Influenza	36	14.2	791	16.5
Cirrhosis	36	25.0	429	11.6
Suicide	32	26.3	630	18.4
Hypertension	NA		467	9.5



# Vital Statistics Data

## BIRTHS AND DEATHS

Table 15

Leading Causes of Death by Age Group for LRDHU, 2012-2016			
Age	1	2	3
0-4	Sudden Infant Death 7	Congenital Anomaly*	Unintentional Injury*
5-14	Suicide*	No Reported Deaths	
15-24	Unintentional Injury 13	Cancer*	Heart*
25-34	Unintentional Injury 10	Suicide 6	Heart*
35-44	Unintentional Injury 10	Heart 7	Cirrhosis*
45-54	Heart 17	Unintentional Injury 16	Cancer 14
55-64	Heart 39	Cancer 38	Unintentional Injury 11
65-74	Cancer 79	Heart 50	COPD 24
75-84	Heart 87	Cancer 72	COPD 35
85+	Heart 188	Cerebrovascular Disease 66	Cancer 65

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 Disease 1,566	Cancer 1,261

\*Numbers less than six will not be listed.