# Central Valley Health District

Logan County Community Health Profile

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NORTH DAKOTA
DEPARTMENT of HEALTH



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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. The tables present the 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 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. In order to maintain a person's confidentially, 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 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: <a href="www.ag.nd.gov/Reports/BCIReports/CrimeHomicide/CrimeHomicide.htm">www.ag.nd.gov/Reports/BCIReports/CrimeHomicide/CrimeHomicide.htm</a>.

Data presented in the **Child Health Indicators** section of this report is collected from the Kids Count Data Center website located at: <a href="https://www.datacenter.kidscount.org">www.datacenter.kidscount.org</a>.

#### **Photography Credits**

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# POPULATION DATA

# Table 1

Population by Age Group, 2016 Census Estimates					
Age Group	Logan C	ounty	North D	akota	
Age Gloup	Number Percent		Number	Percent	
0-9	237	12.2%	105,035	13.9%	
10-19	228	11.7%	93,820	12.4%	
20-29	178	9.2%	127,579	16.8%	
30-39	158	8.1%	101,492	13.4%	
40-49	193	9.9%	79,632	10.5%	
50-59	286	14.7%	95,466	12.6%	
60-69	273	14.1%	80,159	10.6%	
70-79	207	10.7%	41,996	5.5%	
80+	181	9.3%	32,773	4.3%	
Total	1,941	100.0%	757,952	100.0%	
0-17	429	22.1%	176,311	23.3%	
65+	520	26.8%	109,999	14.5%	



Table 2

2016 Census Estimates							
Age Group	Logan C	County	North D	akota			
7.90 0.0up	Number	Percent	Number	Percent			
0-9	103	10.9%	51,145	13.9%			
10-19	128	13.6%	45,349	12.3%			
20-29	86	9.1%	58,619	15.9%			
30-39	68	7.2%	47,001	12.7%			
40-49	91	9.7%	37,992	10.3%			
50-59	125	13.3%	46,809	12.7%			
60-69	130	13.8%	39,397	10.7%			
70-79	109	11.6%	22,236	6.0%			
<del>80+</del>	102	10.8%	20,430	5.5%			
Total	942	100.0%	368,978	100.0%			
0-17	211	22.4%	85,921	23.3%			
65+	269	28.6%	60,025	16.3%			

Female Population and Percentage Female by Age,

Table 3

Race, Five Year Estimates (2012-2016)						
Race	Logan C	ounty	North D	North Dakota		
Race	Number	Percentage	Number	Percentage		
Total	1,939	100.0%	736,162	100%		
White	1,905	98.2%	649,730	88.3%		
Black	1	0.1%	14,761	2.0%		
American Indian	7	0.4%	38,369	5.2%		
Asian	5	0.3%	9,296	1.3%		
Pacific Islander	0	0.0%	336	0.0%		
Other	1	0.1%	5,691	0.8%		
Multi-race	20	1.0%	17,979	2.4%		

# POPULATION DATA

# Table 4

Household Populations, 2011 ACS Five Year Estimates						
	Logan County North Dakota			akota		
	Number	Percent	Number	Percent		
Total	1,996	100.0%	666,783	100.0%		
In Family Households	1,624	81.4%	509,097	76.4%		
In Non-Family Households	287	14.4%	132,651	19.9%		
Total In Households	1,911	95.7%	641,748	96.2%		
Institutionalized*	72	3.6%	9,675	1.5%		
Non-institutionalized*	13	0.7%	15,360	2.3%		
Total in Group Quarters	85	4.3%	25,035	3.8%		

\*2011 is the most recent data

Table 5

Population 2000-2015	Change			
Census	Logan County	5 Year Change	North Dakota	5 Year Change
2000	2,308	(%)	642,200	
2005	2,018	-12.6%	635,365	-1.1%
2010	1,990	-1.4%	672,591	5.9%
2015	1,933	-2.9%	754,859	12.2%



# Table 6

Marital Status of Persons Age 15 and Older, 2016 ACS Five Year Estimates						
Marital Status Logan County North Dakota						
Marital Status	Number	Percent	Number	Percent		
Total Age 15+	1,643	100.0%	594,068	100.0%		
Never Married	307	18.7%	189,508	31.9%		
Now Married	1,043	63.5%	308,915	52.0%		
Separated	18	1.1%	5,347	0.9%		
Widowed	177	10.8%	33,862	5.7%		
Divorced	97	5.9%	56,436	9.5%		

Educational Attainment Among Persons 25+, 2016 ACS Five Year Estimates							
Education	Logan C	County	North D	akota			
Education	Number	Percent	Number	Percent			
Total	1,456	100.0%	477,607	100.0%			
Less than 9th Grade	157	10.8%	16,846	3.5%			
Some High School	70	4.8%	21,188	4.4%			
High school or GRE	606	40.7%	131,086	27.4%			
Some College/Assoc. Degree	422	29.0%	173,933	36.4%			
Bachelor's Degree	176	12.1%	97,890	20.5%			
Post Graduate Degree	25	1.7%	36,664	7.7%			

# POPULATION DATA

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Persons with Disability, 2016 ACS Five Year Estimates							
Group	Logan C	ounty	North Dakota				
Group	Number	Percent	Number	Percent			
Total	1,863	100.0%	720,312	100.0%			
Any Disability	231	12.4%	77,651	10.8%			
No Disability	1,632	87.6%	642,661	89.2%			
Self Care Disability	22	1.2%	11,469	1.7%			
0-17 with any disability	15	6.5%	5,618	7.2%			
18-64 with any disability	65	28.1%	38,310	49.3%			
65+ with any disability	151	65.4%	33,723	43.4%			

Table 9

ncome and Poverty Status by Age Group, 2016 ACS Five Year Estimates						
	Logan C	County	North D	akota		
Median Household Income		\$55,068		\$59,114		
Per Capita Income		\$33,272		\$33,107		
	Number	Percent	Number	Percent		
Below Poverty Level	130	7.0%	79,314	11.2%		
Under 5 Years	6	4.6%	7,618	9.6%		
5 to 11 Years	2	1.5%	8,423	10.6%		
12 to 17 Years	0	0.0%	5,349	6.7%		
18 to 64 Years	39	30.0%	48,969	61.7%		
65 to 74 Years	34	26.2%	3,532	4.5%		
75 Years and Over	49	37.7%	5,423	6.8%		

Table 10

Family Poverty and Childhood and Elderly Poverty, 2016 ACS Five Year Estimates						
	Logan	County	North D	akota		
	Number	Percent	Number	Percent		
Total Families	557	100.0%	183,466	100.0%		
Families in Poverty	31	5.6%	12,659	6.9%		
Families with Own Children	181	32.5%	84,714	46.2%		
Families with Own Children in Poverty	5	0.9%	9,912	5.4%		
Families with Own Children and Female Parent Only	9	1.6%	23,496	28.0%		
Families with Own Children and Female Parent Only in Poverty	3	0.5%	8,881	4.9%		
Total Known Children in Poverty	8	1.9%	21,390	12.1%		
Total Known Age 65+ in Poverty	83	16.0%	8,955	8.1%		

Table 11

Age of Housing, 2016 ACS Five Year Estimates									
	Logan County North Dakota								
	Number Percent Number Perc								
Housing Units: Total	1,181	100.0%	350,134	100.0%					
1980 and Later	229	19.4%	149,657	42.7%					
1970 to 1979	299	25.3%	67,069	19.2%					
Prior to 1970	653	55.3%	133,408	38.1%					

\* Percent family poverty is percent of total families



#### **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  $\leq$ 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 (OOW) 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  $\leq 2500$  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)  $\times$  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
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Births, 2012-2016				
	Logan County		North Dakota	
	Number	Rate or Ratio	Number	Rate or Ratio
Live Births and Rate	107	10.8	54,644	16.3
Pregnancies and Rate	109	11.0	59,226	17.6
Fertility Rate		97.3		84.6
Teen Births and Rate	NR	NR	2,715	23.8
Teen Pregnancies and Rate	NR	8.0	3,263	28.6
Out of Wedlock Births and Ratio	15	140.2	17,518	320.6
Out of Wedlock Pregnancies and Ratio	17	156.0	21,289	359.5
Low Birth Weight Birth and Ratio	NR	46.7	3,448	63.1

Table 13

Child Deaths, 2012-2016				
	Logan	_	North I	
	Number	Rate or Ratio	Number	Rate or Ratio
Infant Deaths and Ratio	NR	9.4	299	5.5
Child and Adolescent Deaths and Rate	0	0.0	235	28.8
Total Deaths and Crude Rate	144	1,447.2	30,152	896.6

Table 14

Deaths and Age Adjusted Death Rate by Cause, 2012-2016								
Logan	County	North I	Dakota					
Number	Adj. Rate	Number	Adj. Rate					
144	580.4	30,303	674.8					
41	151.8	6,571	140.3					
31	124.8	6,215	142.1					
9	27.3	1,546	31.9					
13	37.0	2,130	41.2					
6	20.4	1,623	35.2					
7	40.6	1,764	45.9					
7	30.6	908	20.6					
NR	3.7	791	16.5					
NR	6.5	429	11.6					
NR	41.5	630	18.4					
0	0.0	467	9.5					
	Logan Number  144 41 31 9 13 6 7 NR NR	Logan County           Number         Adj. Rate           144         580.4           41         151.8           31         124.8           9         27.3           13         37.0           6         20.4           7         40.6           NR         3.7           NR         6.5           NR         41.5	Logan County         North I           Number         Adj. Rate         Number           144         580.4         30,303           41         151.8         6,571           31         124.8         6,215           9         27.3         1,546           13         37.0         2,130           6         20.4         1,623           7         40.6         1,764           7         30.6         908           NR         3.7         791           NR         6.5         429           NR         41.5         630					

NR-Not Reportable



# **Vital Statistics Data**

## BIRTHS AND DEATHS

# Table 15

Leading Caus	Leading Causes of Death by Age Group for Logan County, 2012-2016  Age 1 3							
0-4	Congenital Anomaly*  No Reported Deaths							
5-14		No Reported Deaths						
15-24		No Reported Deaths						
25-34	No Reported Deaths							
35-44	Suicide*	Cancer*	Unintentional Injury*					
45-54	Cancer*	Diabetes*	Suicide*					
55-64	Cancer Heart Unintentional Injury 8							
65-74	Cancer* Heart* Cerebrovascular Disease							
75-84	Cancer 10							
85+	Heart 26	Alzheimer's Dz 10	Cerebrovascular Disease 6					

<sup>\*</sup>Numbers less than six are not listed.

Leading Causes of Death by Age Group for North Dakota, 2012-2016								
Age	1	2	3					
0-4	Congenital Anomaly	Prematurity	Sudden Infant Death					
0-4	53	50	45					
5-14	Unintentional Injury	Suicide	Homicide*					
5-14	21	6						
15-24	Unintentional Injury	Suicide	Cancer					
13-24	191	127	16					
25-34	Unintentional Injury	Suicide	Heart					
25-54	211	125	50					
35-44	Unintentional Injury	Suicide	Heart					
33-44	184	107	99					
45-54	Cancer	Heart	Unintentional Injury					
40-04	350	282	210					
55-64	Cancer	Heart	Unintentional Injury					
33-04	1,094	646	192					
65-74	Cancer	Heart	COPD					
03-74	1,563	902	348					
75-84	Cancer	Heart	COPD					
75-04	1,793	1,441	565					
85+	Heart	Alzheimer's Dz	Cancer					
00+	3,141	1,566	1,261					

<sup>\*</sup>Numbers less than six are not listed.

#### ADULT BEHAVIORAL RISK FACTORS DEFINITION

The following three pages represent data received from the Adult Behavioral Risk Factor Surveillance Survey. Numbers given are point estimate percentages followed by 95% confidence intervals. Statistical significance can be determined by comparing confidence intervals between two geographic areas. To be statistically significant, confidence may not overlap. For example the confidence intervals 9.3 (8.3-10.2) and 10.8 (10.0-11.6) overlap (see picture below) so the difference between the two numbers is not statistically significant. That means that substantial uncertainty remains whether the apparent difference is due to chance alone (due to sampling variation) rather than representing a true difference in the prevalence of the condition in the two populations. The less they overlap, the more likely it is that the point estimates represent truly different prevalence's in the two populations.



# **ADULT BEHAVIORAL RISK FACTORS, 2011-2015**

	ALCOHOL	Logan 2011-2015	North Dakota 2011-2015
Binge Drinking	Respondents who reported binge drinking (5 drinks for men, 4 drinks for women) one or more times in the past 30 days.	20.2 (8.9-31.5)	24.1 (23.3-24.9)
Heavy Drinking	Respondents who reported heavy drinking (more than 2 drinks per day for men, more than 1 drink per day for women) during the past 30 days.	7.3 (0.0-15.8)	6.7 (6.3-7.2)
Drunk Driving	Respondents who reported driving when they had too much to drink one or more times during the past 30 days.	5.9 (0.0-13.8)	3.4 (2.8-3.9)
	ARTHRITIS		
Doctor Diagnosed Arthritis	Respondents who reported ever have been told by a doctor or other health professional that they had some form or arthritis.	33.3 (22.5-44.1)	24.6 (24.0-25.2)
Activity Limitation Due to Arthritis	Respondents who reported being limited in any usual activities because of arthritis or joint symptoms.	33.9 (11.1-56.7)	47 (45.2-48.9)
	ASTHMA		
Ever Asthma	Respondents who reported ever having been told by a doctor, nurse or other health professional that they had asthma.	14.8 (5.9-23.7)	11.9 (11.3-12.4)
Current Asthma	Respondents who reported ever having been told by a doctor, nurse or other health professional that they had asthma and who still have asthma.	12.8 (4.1-21.4)	8.4 (7.9-8.9)
	BODY WEIGHT		
Overweight, Not Obese	Respondents with a body mass index greater than or equal to 25 but less than 30 (overweight).	39.5 (28.0-51.0)	36.5 (35.7-37.3)
Obese	Respondents with a body mass index greater than or equal to 30 (obese).	35.3 (24.4-46.2)	30.3 (29.6-31.1)
Overweight or Obese	Respondents with a body mass index greater than or equal to 25 (overweight or obese).	74.8 (64.3-85.4)	66.8 (66.0-67.7)
	CANCER		
	Respondents who reported ever having been told by a		
Any Cancer	doctor, nurse or other health professional that they had cancer (excluding skin cancer).	5.8 (1.3-10.4)	6.4 (6.1-6.7)
Any Cancer	doctor, nurse or other health professional that they had		
Any Cancer  Heart Attack	doctor, nurse or other health professional that they had cancer (excluding skin cancer).		
·	doctor, nurse or other health professional that they had cancer (excluding skin cancer).  CARDIOVASCULAR  Respondents who reported ever having been told by a doctor, nurse or other health care professional that they	(1.3-10.4)	(6.1-6.7)
Heart Attack	doctor, nurse or other health professional that they had cancer (excluding skin cancer).  CARDIOVASCULAR  Respondents who reported ever having been told by a doctor, nurse or other health care professional that they had a heart attack.  Respondents who reported ever having been told by a doctor, nurse or other health care professional that they	3.9 (0.2-7.7)	(6.1-6.7) 4.3 (4.0-4.5) 4.0
Heart Attack Angina	doctor, nurse or other health professional that they had cancer (excluding skin cancer).  CARDIOVASCULAR  Respondents who reported ever having been told by a doctor, nurse or other health care professional that they had a heart attack.  Respondents who reported ever having been told by a doctor, nurse or other health care professional that they had angina.  Respondents who reported ever having been told by a doctor, nurse or other health care professional that they	3.9 (0.2-7.7) 4.3 (0.6-8.0)	(6.1-6.7) 4.3 (4.0-4.5) 4.0 (3.7-4.2) 2.4

# **ADULT BEHAVIORAL RISK FACTORS, 2011-2015**

CHOLESTEROL	Logan 2011-2015	North Dakota 2011-2015
Respondents who reported never having a cholesterol test.	13.6 (0.5-26.7)	22.8 (21.8-23.8)
Respondents who reported never having a cholesterol test in the past five years.	18.2 (4.2-32.2)	27.2 (26.2-28.3)
Respondents who reported that they had ever been told by a doctor, nurse or other health professional that they had high cholesterol.	38.5 (23.1-53.8)	36.1 (35.1-37.1)
CHRONIC LUNG DISEASE		
Respondents who have ever been told by a doctor, nurse or other health professional ever told you that they have COPD (chronic obstructive pulmonary disease), emphysema, or chronic bronchitis.	4.7 (0.6-8.8)	4.7 (4.4-5.0)
COLORECTAL CANCER		
Respondents age 50 and older who reported not having a fecal occult blood test in the past two years.	32.6 (10.6-54.6)	40.0 (38.3-41.7)
DIABETES		
Respondents who reported ever having been told by a doctor that they had diabetes.	13.1 (5.4-20.8)	8.5 (8.2-8.9)
FRUITS AND VEGETABLES		
Respondents who reported that they do not usually eat 5 fruits and vegetables per day.	16.2 (6.7-25.6)	13.9 (13.2-14.6)
Respondents who reported that their general health was fair or poor.	23.6 (13.6-33.6)	14.0 (13.5-14.6)
Respondents who reported they had 8 or more days in the last 30 when their physical health was not good.	13.5 (6.5-20.5)	11.3 (10.8-11.8)
Respondents who reported they had 8 or more days in the last 30 when their mental health was not good.	14.5 (4.7-24.3)	11.4 (10.9-12.0)
Respondents who reported they had 8 or more days in the last 30 when poor physical or mental health kept them from doing their usual activities.	8.7 (0.4-17.0)	13.6 (12.8-14.4)
Respondents who reported being limited in any way due to physical, mental or emotional problem.	28.3 (18.3-38.2)	31.3 (30.6-32.1)
	Respondents who reported never having a cholesterol test.  Respondents who reported never having a cholesterol test in the past five years.  Respondents who reported that they had ever been told by a doctor, nurse or other health professional that they had high cholesterol.  CHRONIC LUNG DISEASE  Respondents who have ever been told by a doctor, nurse or other health professional ever told you that they have COPD (chronic obstructive pulmonary disease), emphysema, or chronic bronchitis.  COLORECTAL CANCER  Respondents age 50 and older who reported not having a fecal occult blood test in the past two years.  DIABETES  Respondents who reported ever having been told by a doctor that they had diabetes.  FRUITS AND VEGETABLES  Respondents who reported that they do not usually eat 5 fruits and vegetables per day.  GENERAL HEALTH  Respondents who reported that their general health was fair or poor.  Respondents who reported they had 8 or more days in the last 30 when their physical health was not good.  Respondents who reported they had 8 or more days in the last 30 when their mental health was not good.  Respondents who reported they had 8 or more days in the last 30 when poor physical or mental health kept them from doing their usual activities.  Respondents who reported being limited in any way	Respondents who reported never having a cholesterol test.  Respondents who reported never having a cholesterol test in the past five years.  Respondents who reported that they had ever been told by a doctor, nurse or other health professional that they had high cholesterol.  CHRONIC LUNG DISEASE  Respondents who have ever been told by a doctor, nurse or other health professional ever told you that they have COPD (chronic obstructive pulmonary disease), emphysema, or chronic bronchitis.  COLORECTAL CANCER  Respondents age 50 and older who reported not having a fecal occult blood test in the past two years.  DIABETES  Respondents who reported ever having been told by a doctor, nurse or other health professional ever told you that they have COPD (chronic obstructive pulmonary disease), emphysema, or chronic bronchitis.  COLORECTAL CANCER  Respondents age 50 and older who reported not having a fecal occult blood test in the past two years.  FRUITS AND VEGETABLES  Respondents who reported that they do not usually eat 5 fruits and vegetables per day.  GENERAL HEALTH  Respondents who reported that their general health was fair or poor.  Respondents who reported that their general health was fair or poor.  Respondents who reported they had 8 or more days in the last 30 when their mental health was not good.  Respondents who reported they had 8 or more days in the last 30 when their mental health was not good.  Respondents who reported they had 8 or more days in the last 30 when poor physical or mental health kept them from doing their usual activities.  Respondents who reported being limited in any way  28.3

# **ADULT BEHAVIORAL RISK FACTORS, 2011-2015**

	HEALTH CARE ACCESS	Logan 2011-2015	North Dakota 2011-2015
Health Insurance	Respondents who reported not having any form or health care coverage.	8.4 (1.9-14.9)	10.8 (10.2-11.3)
Access Limited by Cost	Respondents who reported needing to see a doctor during the past 12 months but could not due to cost.	7.9 (1.6-14.2)	7.8 ( 7.3-8.3)
No Personal Provider	Respondents who reported that they did not have one person they consider to be their personal doctor or health care provider.	18.2 (9.0-27.4)	26.7 (25.9-27.5)
	HYPERTENSION		
High Blood Pressure	Respondents who reported ever having been told by a doctor, nurse or other health professional that they had high blood pressure.	43.7 (28.8-58.5)	29.9 (29.0-30.7)
	IMMUNIZATION		
Influenza Vaccine	Respondents age 65 and older who reported that they did not have a flu shot in the past year.	35.1 (19.7-50.6)	40.1 (38.9-41.4)
Pneumococcal Vaccine	Respondents age 65 or older who reported never having had a pneumonia shot.	29.0 (13.6-44.4)	28.5 (27.3-29.7)
	INJURY		
Falls	Respondents 45 years and older who reported that they had fallen in the past 12 months.	30.4 (13.4-47.4)	27.4 (26.2-28.7)
Seatbelt Use	Respondents who reported not always wearing their seatbelt.	39.2 (27.2-51.3)	61.4 (60.6-62.3)
	ORAL HEALTH		
Dental Visit	Respondents who reported that they have not had a dental visit in the past year.	44.2 (26.4-62.0)	33.7 (32.4-35.0)
Tooth Loss	Respondents who reported they ever had a permanent tooth extracted.	31.3 (14.2-48.4)	14.3 (13.6-15.1)
	PHYSICAL ACTIVITY		
No Leisure Physical Activity	Respondents who reported that they did not get the recommended amount of physical activity.	32.8 (21.9-43.7)	25.1 (24.4-25.8)
	TOBACCO		
Current Smoking	Respondents who reported that they smoked every day or some days.	15.3 (6.7-23.9)	20.6 (19.9-21.4)
	WOMEN'S HEALTH	40.0	05.4
Pap Smear	Women 18 and older who reported that they have not had a pap smear in the past three years.	16.0 (0.0-35.3)	25.1 (23.1-27.1)
Mammogram Age 40+	Women 40 and older who reported that they have not had a mammogram in the past two years.	25.3 (1.7-48.8)	27.0 (25.4-28.6)

#### **CRIME**

Data presented on the North Dakota Attorney General website changed from previous years. In an effort to continue to provide this data, the 2016 variables are defined as follows which differs slightly from the 2010-2013 data:

- Rape: includes statutory rape and forcible rape
- Assault: only includes aggravated assault
- <u>Larceny</u>: all other crimes against property

#### Table 20

Logan County							
	2012	2013	2014	2015	2016	5 Year	5-Year Rate
Murder	0	0	0	0	0	0	0.0
Rape	0	0	0	1	0	1	10.3
Robbery	0	0	0	0	0	0	0.0
Assault	0	0	0	2	1	3	30.8
Violent crime	0	0	0	3	1	4	41.1
Burglary	2	6	1	1	3	13	133.6
Larceny	19	10	5	0	4	38	390.5
Motor vehicle theft	1	1	0	2	0	4	41.1
Property crime	22	17	3	2	7	51	524.2
Total	22	17	3	5	8	55	565.3

North Dakota							
	2012	2013	2014	2015	2016	5 Year	5-Year Rate
Murder	20	14	19	21	17	91	2.5
Rape	243	237	389	428	365	1,662	44.9
Robbery	117	151	166	157	181	772	20.9
Assault	1,071	1,156	1,145	1,185	1,132	5,689	153.7
Violent crime	1,451	1,558	1,719	1,791	1,695	8,214	222.0
Burglary	2,200	2,656	2,490	3,212	3,051	13,609	367.8
Larceny	10,184	10,243	5,214	6,181	6,157	37,979	1,026.4
Motor vehicle theft	1,031	1,228	1,462	1,725	1,887	7,333	198.2
Property crime	13,415	14,127	9,166	11,118	11,095	47,826	1,292.5
Total	14,866	15,685	10,885	12,909	12,790	54,345	1,468.7





#### **CHILD HEALTH INDICATORS**

The following information is no longer available on the website:

High school dropouts (dropouts per 1000 persons Grades 9-12)

Children Ages 0-17 Impacted by Domestic Violence (Percentage of all children ages 0-17)

Offenses Against Person—Juvenile Court Referrals (Percentage of total juvenile court referrals)

Alcohol-Related Juvenile Court Referrals (Percentage of juvenile court referrals)

#### Table 22

Child Indicators: Education 2016	Logan County		North Dakota	
Children ages 3 to 21 enrolled in special education in public schools	43	12.3%	14,426	13.2%
Four-year high school cohort graduates	78.3%		88.7%	
Average expenditure per student in public school	\$13,198		\$11,418	

#### Table 23

Child Indicators: Economic Health 2016	Logan County		North Dakota	
TANF recipients ages 0-19 (Percentage of persons ages 0-19)	0	0.0%	4,649	2.3%
SNAP recipients ages 0-18 (Percentage of all children ages 0-19)	58	13.2%	37,758	20.3%
Eligible recipients of free or reduced price lunch	92	27.1%	37,928	32.6%
Medicaid recipients ages 0-20 (Percentage of all persons ages 0-20)	135	27.9%	59,156	28.0%
Median income for families with children ages 0-17 (Percentage of all women with children ages 0-17)	\$81,458		\$75,818	
Children ages 0 to 17 living in low-income families (<200% of poverty)	106	28.4%	50,147	30.5%

#### Table 24

Child Indicators: Families and Child Care 2016	Logan County		North Dakota	
Women in labor force, by age of children (ages 0-17)	137	84.6%	59,532	79.4%
Children ages 0-17 living in a single parent family (Percentage of all children ages 0-17)	22	5.9%	39,192	23.4%
Children in foster care (Percentage of children ages 0-18)	LNE	NA	2,397	1.3%
Victims of child abuse and neglect - services required (Percent of suspected victims)	LNE	NA	1,805	27.2%
Births to mothers receiving prenatal care beginning after first trimester or not at all	LNE	NA	1,612	14.2%

Child Indicators: Juvenile Justice 2016	Logan County		North Dakota	
Children ages 10-17 referred to juvenile court (Percentage of all children ages 0-17)	15	7.7%	3,471	4.9%

<sup>\*</sup>LNE-Low Number Events