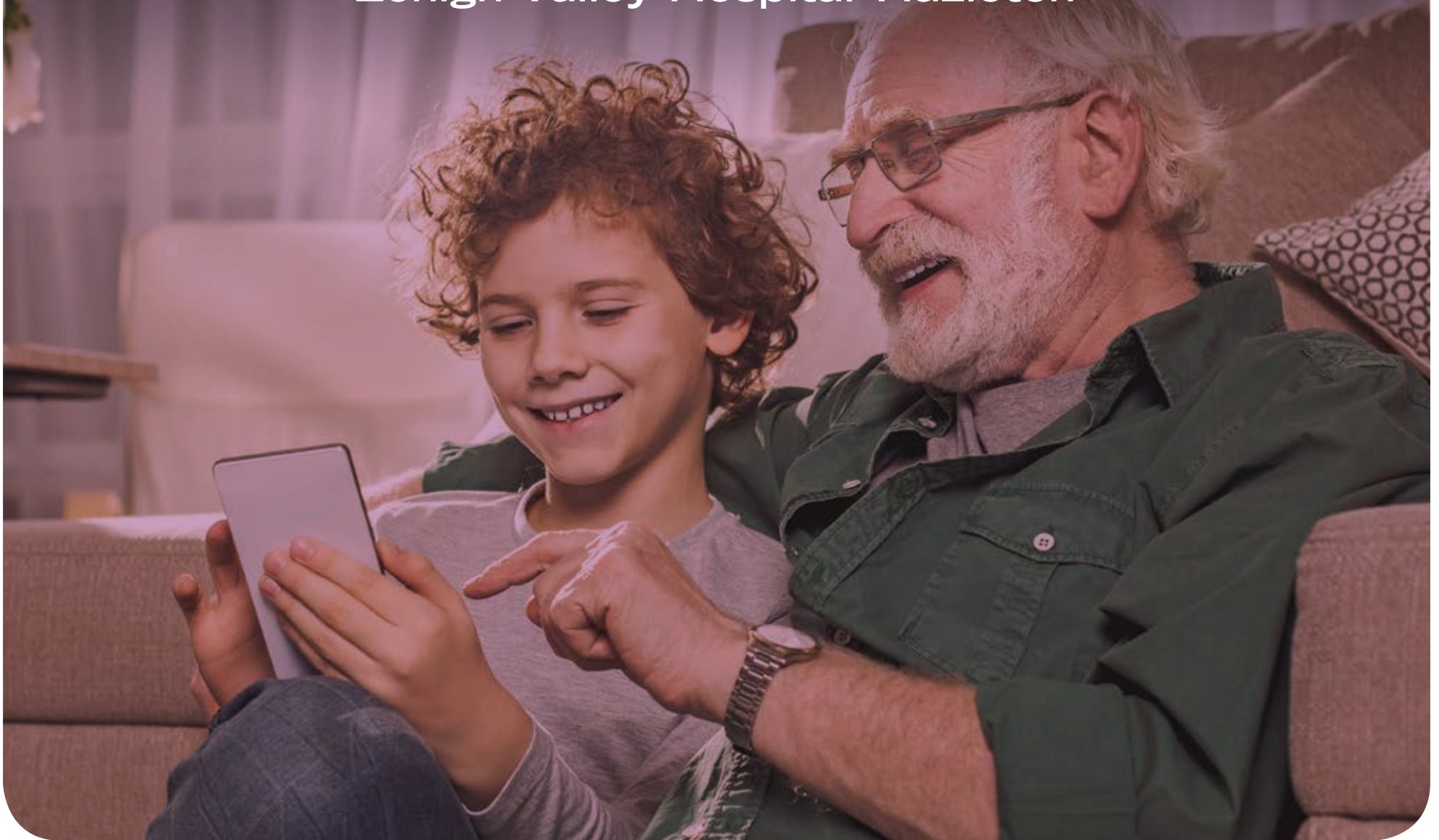


# 2019 Community Health Needs Assessment Health Profile Lehigh Valley Hospital-Hazleton



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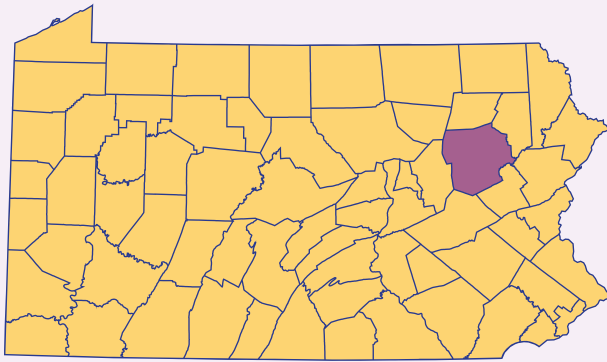


Focus group feedback



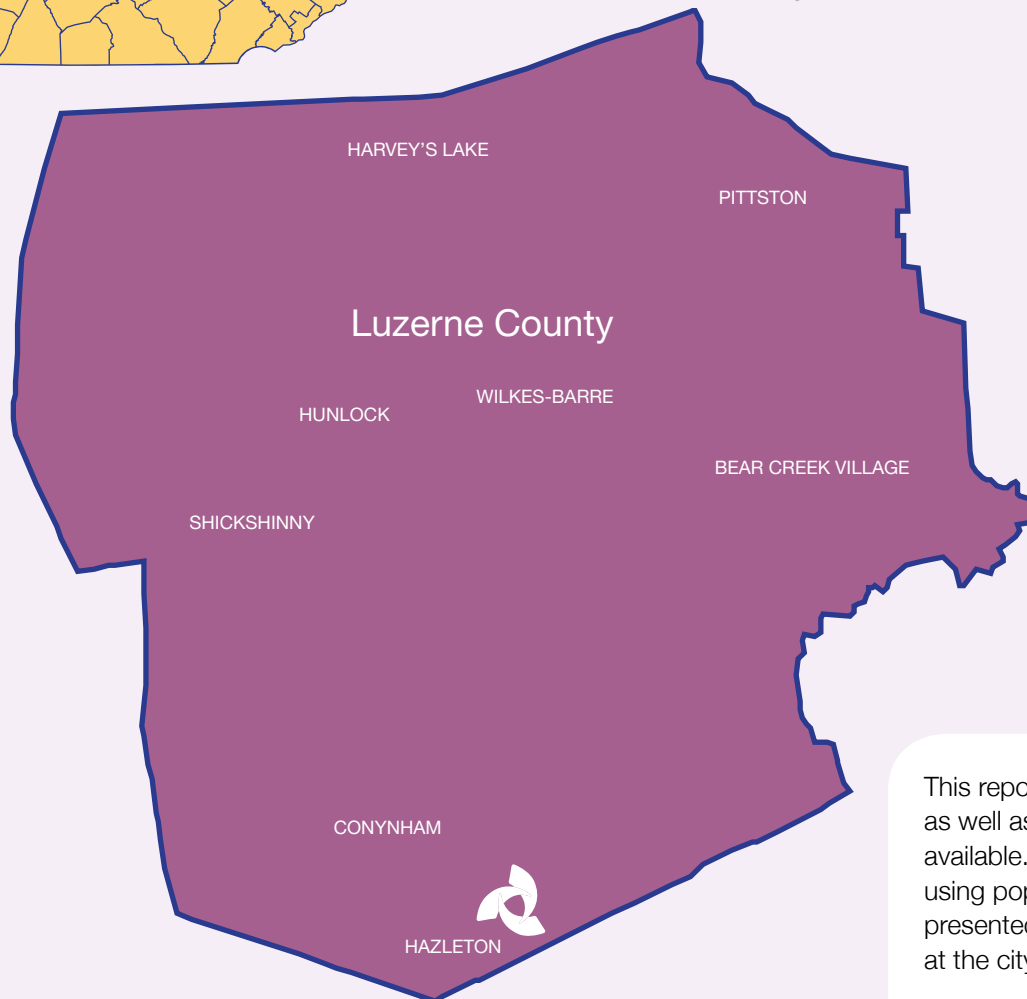
Lehigh Valley Health Network (LVHN) statistics

# HEALTH PROFILE FOR LUZERNE COUNTY



60  
LUZERNE COUNTY OVERALL  
HEALTH OUTCOMES RANKING AMONG  
67 COUNTIES IN PENNSYLVANIA

63  
LUZERNE COUNTY QUALITY  
OF LIFE HEALTH RANKING AMONG  
67 COUNTIES IN PENNSYLVANIA



57  
LUZERNE COUNTY LENGTH  
OF LIFE HEALTH RANKING AMONG  
67 COUNTIES IN PENNSYLVANIA

This report includes population level data about Luzerne County as well as about the city of Hazleton, where this data was available. Hazleton estimates are generated for this indicator using population-weighted allocations. Wherever Hazleton is not presented in the data, it is because the indicator is not available at the city level.

# WHO WE ARE: DEMOGRAPHICS

## TOTAL POPULATION

Report Area	Total Population	Total Land Area (Square Miles)	Population Density (Per Square Mile)
Hazleton	29,474	7.51	3,924.58
Luzerne County	318,917	890.34	358.2
Pennsylvania	12,783,977	44,742.38	285.72
United States	318,558,162	3,532,068.58	90.19

Data Source: US Census Bureau, American Community Survey, 2012-16. Source geography: Tract

## URBAN AND RURAL POPULATION

Percentage of population living in urban and rural areas. Urban areas are identified using population density, count and size thresholds. Urban areas also include territory with a high degree of impervious surface (development). Rural areas are all areas that are not urban.

Report Area	Total Population	Urban Population	Rural Population	% Urban	% Rural
Hazleton	59,868	59,862	6	99.99	0.01
Luzerne County	320,918	256,783	64,135	80.02	19.98
Pennsylvania	12,702,379	9,991,287	2,711,092	78.66	21.34
United States	312,471,327	252,746,527	59,724,800	80.89	19.11

Data Source: US Census Bureau, Decennial Census, 2010. Source geography: Tract

## PERCENT POPULATION CHANGE (2000-2010) BY RACE

Report Area	% White	% Black	% Native American / Alaska Native	% Asian	% Native Hawaiian / Pacific Islander	% Other Race	% Multiple Race
Luzerne County	-5.65	99.09	95.79	68.55	21.28	676.67	170.14
Pennsylvania	-0.74	12.5	46.3	58.81	6.91	59.73	67.23
United States	5.8	15.43	22.56	43.72	47.37	24.2	32.61

Data Source: US Census Bureau, Decennial Census, 2000-10. Source geography: Tract

## POPULATION GROWTH

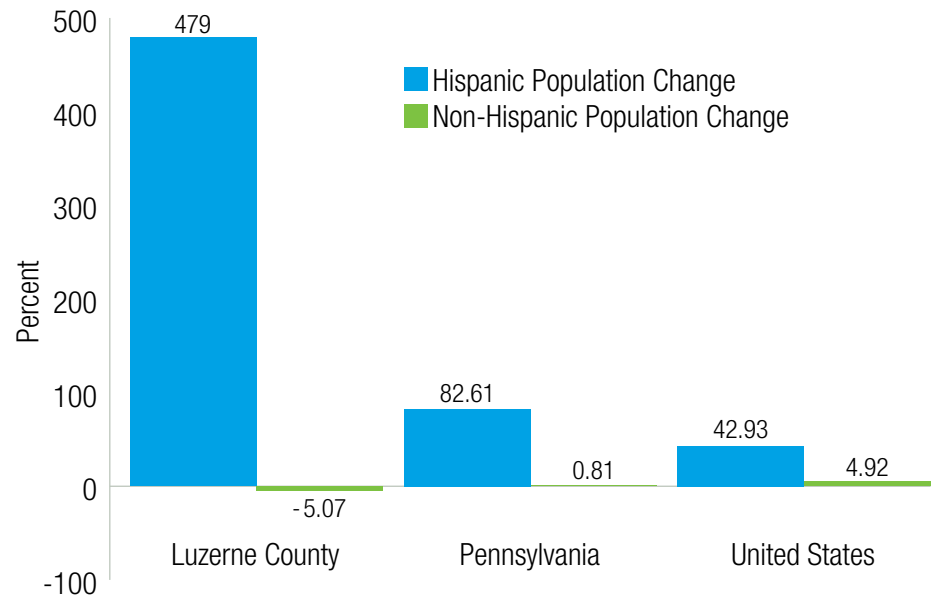
### CHANGE IN TOTAL POPULATION

A significant positive or negative shift in total population over time impacts health care providers and utilization of community resources.

Report Area	Total Population, 2000 Census	Total Population, 2010 Census	Total Population Change, 2000-2010	% Population Change, 2000-2010
Hazleton	53,842	59,868	6,026	11.19
Luzerne County	319,134	320,918	1,784	0.56
Pennsylvania	12,281,049	12,702,379	421,330	3.43
United States	280,405,781	307,745,539	27,339,758	9.75

Data Source: US Census Bureau, Decennial Census, 2000-10. Source geography: Tract

### Population Change (2000-2010) by Hispanic Origin



## POPULATION AGE

Number and percentages of people in the community by age in the designated geographic area

	Hazleton	Luzerne County	Pennsylvania	United States
<b>Total Population</b>	29,474	318,917	12,783,977	318,558,162
<b>Population Age 0-4</b>	2,093	16,059	714,598	19,866,960
<b>Population Age 5-17</b>	5,326	46,627	2,004,573	53,771,807
<b>Population Age 18-24</b>	3,395	29,450	1,243,213	31,368,674
<b>Population Age 25-34</b>	3,834	38,206	1,608,855	42,881,649
<b>Population Age 35-44</b>	3,562	37,675	1,536,388	40,651,910
<b>Population Age 45-54</b>	4,014	45,953	1,842,705	43,895,858
<b>Population Age 55-64</b>	2,957	44,583	1,762,338	40,061,742
<b>Population Age 65+</b>	4,293	60,364	2,084,386	44,615,477

## POPULATION UNDER AGE 18

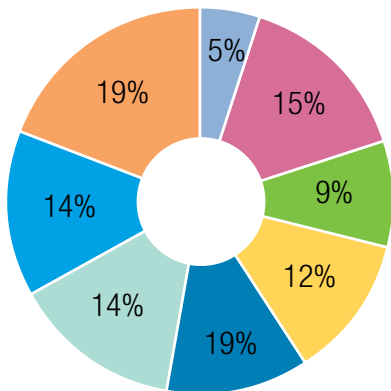
Report Area	Total Population	Population Age 0-17	% Population Age 0-17
Hazleton	29,474	7,419	25.17
Luzerne County	318,917	62,686	19.66
Pennsylvania	12,783,977	2,704,268	21.15
United States	318,558,162	73,612,438	23.11

Data Source: US Census Bureau, American Community Survey, 2012-16. Source geography: Tract

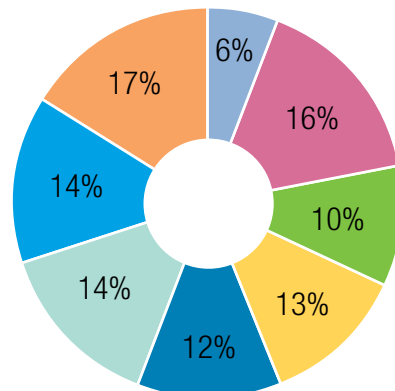


A total of 29,474 people live in Hazleton, and a total of 318,917 live in Luzerne County.

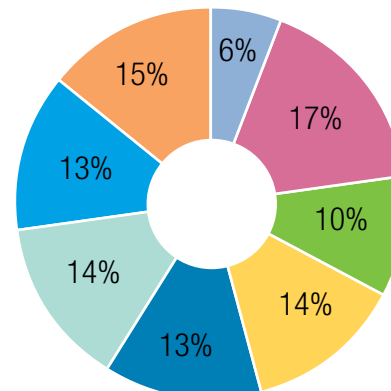
Almost 19 percent of the population in Luzerne County is age 65 or older; 20 percent of the population is age 17 or younger.



LUZERNE COUNTY



PENNSYLVANIA



UNITED STATES

Population Age 0-4

Population Age 5-17

Population Age 18-24

Population Age 25-34

Population Age 35-44

Population Age 45-54

Population Age 55-64

Population Age 65+



## FAMILIES WITH CHILDREN

Family household is any housing unit in which the householder is living with one or more individuals related to him or her by birth, marriage or adoption.

Report Area	Total Households	Total Family Households	Families with Children (Under Age 18)	Families with Children (Under Age 18), % of Total Households
Hazleton	10,698	7,008	3,786	35.39
Luzerne County	127,514	80,743	34,439	27.01
Pennsylvania	4,961,929	3,195,577	1,402,621	28.27
United States	117,716,237	77,608,829	37,299,113	31.69

Data Source: US Census Bureau, American Community Survey, 2012-16. Source geography: Tract



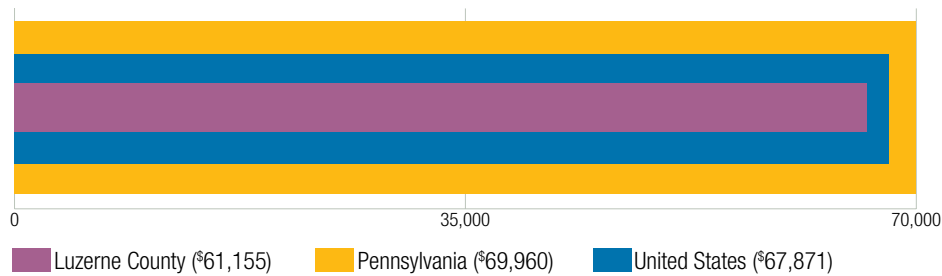
## FINANCIAL HEALTH

### MEDIAN FAMILY INCOME

Family income includes incomes of all family members age 15 and older.

Report Area	Total Family Households	Average Family Income	Median Family Income
Hazleton	7,008	\$54,134	no data
Luzerne County	80,743	\$74,897	\$61,155
Pennsylvania	3,195,577	\$90,446	\$69,960
United States	77,608,829	\$90,960	\$67,871

Data Source: US Census Bureau, American Community Survey. 2012-16. Source geography: Tract



## DIVERSITY AND LANGUAGE

### TOTAL POPULATION BY GENDER

Report Area	Male	Female	% Male	% Female
Hazleton	14,638	14,836	49.66	50.34
Luzerne County	157,130	161,787	49.27	50.73
Pennsylvania	6,255,042	6,528,935	48.93	51.07
United States	156,765,322	161,792,840	49.21	50.79

Data Source: US Census Bureau, American Community Survey. 2012-16. Source geography: Tract

### POPULATION AGE 18 AND OLDER BY GENDER

Report Area	Age 18-64				Age 65+			
	Males		Females		Males		Females	
	N	%	N	%	N	%	N	%
Luzerne County	99,738	63.47	96,129	59.42	22,625	14.4	34,985	21.62
Pennsylvania	3,952,665	63.19	3,993,797	61.17	811,266	12.97	1,215,859	18.62
United States	98,851,301	63.06	99,913,791	61.75	18,244,716	11.64	25,876,504	15.99

Data Source: US Census Bureau, American Community Survey. 2012-16. Source geography: Tract

### TOTAL POPULATION BY RACE ALONE

Report Area	White		Black		Asian		Native American/ Alaska Native		Native Hawaiian/ Pacific Islander		Other		Multiple	
	Total	%	Total	%	Total	%	Total	%	Total	%	Total	%	Total	%
Hazleton	19,259	65.34	1,668	5.66	124	0.42	366	1.24	9	0.03	7,123	24.17	925	3.14
Luzerne County	285,749	89.6	12,798	4.01	3,480	1.09	882	0.28	77	0.02	10,254	3.22	5,677	1.78
Pennsylvania	10,402,743	81.37	1,410,563	11.03	401,979	3.14	24,947	0.20	4,463	0.03	253,514	1.98	285,768	2.24
United States	233,657,078	73.35	40,241,818	12.63	16,614,625	5.22	2,597,817	0.82	560,021	0.18	15,133,856	4.75	9,752,947	3.06

Data Source: US Census Bureau, American Community Survey. 2012-16. Source geography: Tract



Median family income in Luzerne County is \$61,155; 65.3 percent of the population is white.

## TOTAL POPULATION BY ETHNICITY ALONE

Origin can be viewed as heritage, nationality group, lineage or country of birth of the person or person's parents or ancestors before their arrival in the United States. People who identify their origin as Hispanic, Latino or Spanish may be of any race.


Report Area	Total Population	Hispanic or Latino Population	% Population Hispanic or Latino	Non-Hispanic Population	% Population Non-Hispanic
Hazleton	29,474	15,467	52.48	14,007	47.52
Luzerne County	318,917	29,797	9.34	289,120	90.66
Pennsylvania	12,783,977	843,164	6.6	11,940,813	93.40
United States	318,558,162	55,199,107	17.33	263,359,055	82.67

Data Source: US Census Bureau, American Community Survey. 2012-16. Source geography: Tract

## HISPANIC POPULATION BY RACE ALONE, PERCENT (N = 29,797)

Report Area	White	Black	Asian	Native American / Alaska Native	Native Hawaiian / Pacific Islander	Some Other Race	Multiple Races
Luzerne County	50.81	7.41	0.06	1.68	0.03	34.07	5.92
Pennsylvania	55.5	6.78	0.37	1.26	0.25	27.83	8.03
United States	65.75	2.07	0.34	0.93	0.09	26.19	4.62

Data Source: US Census Bureau, American Community Survey. 2012-16. Source geography: Tract

 In Fiscal Year 2018, interpreter services was used in a total of 17,040 encounters for a total 2,017,020 minutes across LVH–Hazleton and LVPG Hazleton offices.

## NON-HISPANIC POPULATION BY RACE ALONE, PERCENT (N = 289,120)

Report Area	White	Black	Asian	Native American / Alaska Native	Native Hawaiian / Pacific Islander	Some Other Race	Multiple Races
Luzerne County	93.6	3.66	1.2	0.13	0.02	0.03	1.35
Pennsylvania	83.2	11.33	3.34	0.12	0.02	0.16	1.83
United States	74.9420	14.85	6.24	0.79	0.19	0.26	2.74

Data Source: US Census Bureau, American Community Survey. 2012-16. Source geography: Tract

## POPULATION WITH LIMITED ENGLISH PROFICIENCY BY ETHNICITY

Percentage of population age 5 and older who speak a language other than English at home and speak English less than “very well.”

Report Area	Total Pop 5+	Linguistically Isolated Pop	% Linguistically Isolated
Hazleton	27,381	4,668	17.05
Luzerne County	302,858	7,128	2.35
Pennsylvania	12,069,379	277,969	2.30
United States	298,691,202	13,393,615	4.48

Data Source: US Census Bureau, American Community Survey. 2012-16. Source geography: Tract



10 percent of the population is Hispanic in Luzerne County. In the city of Hazleton, this percentage increases to 52.5 percent. Furthermore, 17 percent of the population in Hazleton speak a language other than English at home and speak English less than “very well.”



Participants in focus groups and interviews consistently identify significant cultural and language barriers for the growing Hispanic population in Hazleton. Participants state that not all health care facilities have access to interpreter services, which limits the locations non-English speakers can go to access care. In addition, participants call for greater cultural sensitivity among health care staff to create a welcoming and responsive environment for all patients.

Participants also state that the Hispanic community tends to be insular, which adds to the cultural divide, and barriers need to be broken down in order to promote unity. Suggestions include utilizing Community Health workers or individuals from within the Hispanic community to begin to bridge the gap in language and cultural barriers.



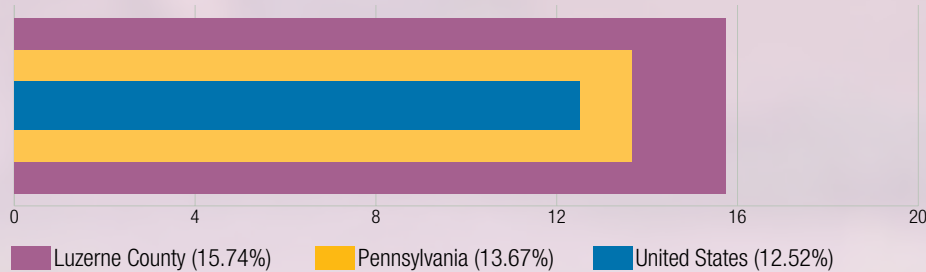
## DISABILITIES AND VETERANS

### POPULATION WITH ANY DISABILITY

Percentage of total civilian non-institutionalized population with a disability. A disability is defined as individuals who report any one of the following six disability types: 1) hearing difficulty, 2) vision difficulty, 3) cognitive difficulty, 4) ambulatory difficulty, 5) self-care (bathing and dressing) difficulty, 6) independent living (doing errands alone) difficulty.

Report Area	Total Population (for Whom Disability Status Is Determined)	Total Population with a Disability	% Population with a Disability
Luzerne County	311,082	48,952	15.74
Pennsylvania	12,579,598	1,719,069	13.67
United States	313,576,137	39,272,529	12.52

Data Source: US Census Bureau, American Community Survey, 2012-16. Source geography: Tract

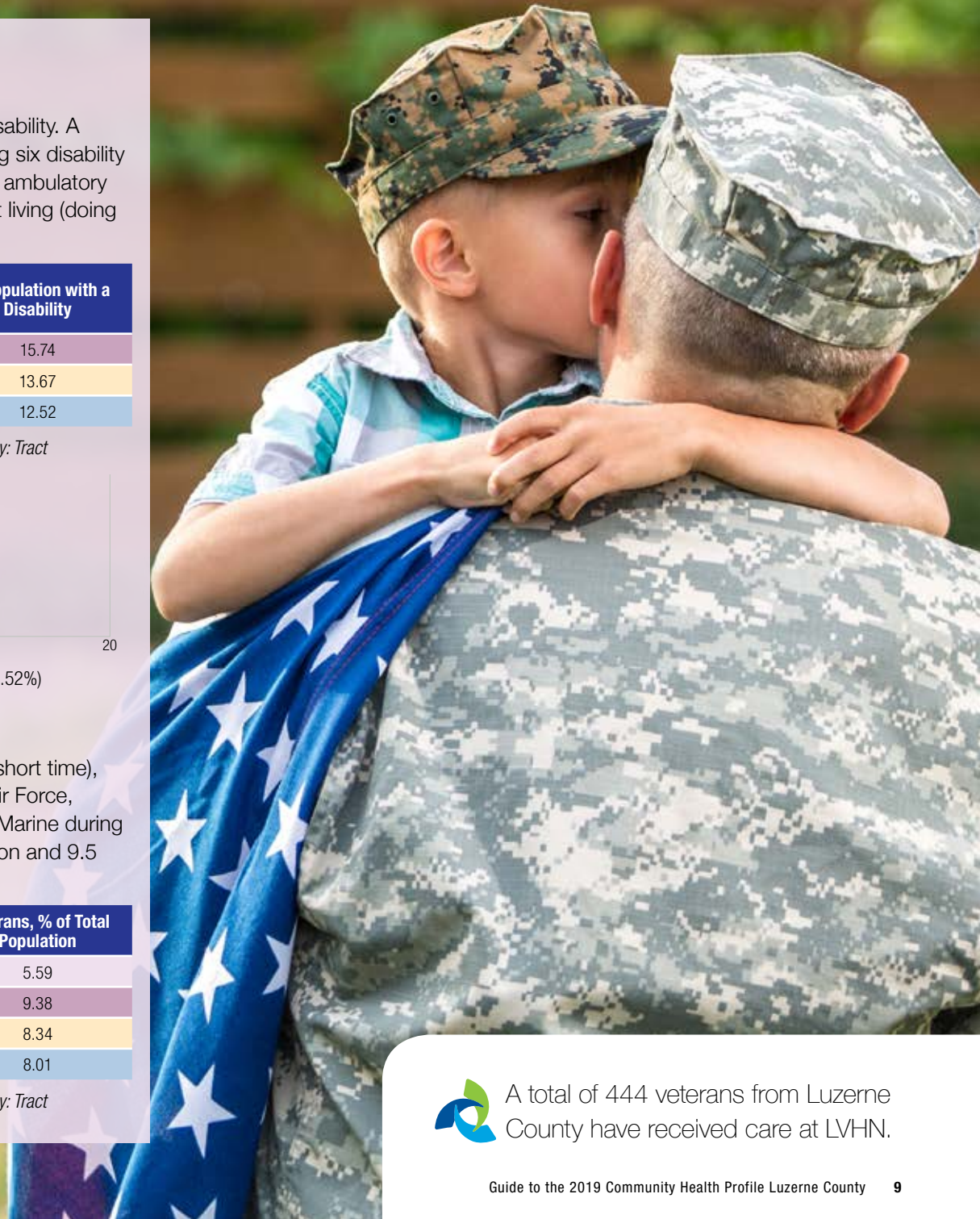


### VETERAN POPULATION

Percentage of population age 18 and older who served (even for a short time), but is not currently serving, on active duty in the U.S. Army, Navy, Air Force, Marine Corps or Coast Guard, or who served in the U.S. Merchant Marine during World War II. Veterans make up 5.59 percent of Hazleton's population and 9.5 percent of the population in the larger county.

Report Area	Total Population Age 18	Total Veterans	Veterans, % of Total Population
Hazleton	22,055	1,232	5.59
Luzerne County	256,092	24,034	9.38
Pennsylvania	10,074,933	840,258	8.34
United States	243,935,157	19,535,341	8.01

Data Source: US Census Bureau, American Community Survey, 2012-16. Source geography: Tract



A total of 444 veterans from Luzerne County have received care at LVHN.

# HEALTH FACTORS

## SOCIAL AND ECONOMIC FACTORS

### UNEMPLOYMENT RATE

Total unemployment in Luzerne County for the current month was 10,150, or 6.4 percent (6.7 percent in Hazleton) of the civilian non-institutionalized population age 16 and older (non-seasonally adjusted). The top five employers in Luzerne County in 2017 were Federal Government, Amazon, PA State Government, Geisinger Wyoming Valley Medical Center and Wilkes-Barre Hospital Company (Department of Labor and Industry, Center for Workforce Information and Analysis).



A lack of job opportunities and job training is noted as a concern in Luzerne County by focus group and interview participants. Participants state that jobs are available; however, unemployment is still a concern because of barriers around language, skills, health and transience. They acknowledge the health implications of being unemployed, such as mental health issues and stress. Unemployment also impacts access to health care because many unemployed community members do not have insurance or money to cover their health care costs. The cyclical nature of being unemployed, which leads to impacts that reinforce staying unemployed, is the theme of the conversations. Participants suggest that LVHN could promote job openings, provide workforce development and recruit in poverty-stricken areas, as well as use medical offices and the hospital as “training grounds” for workforce development.

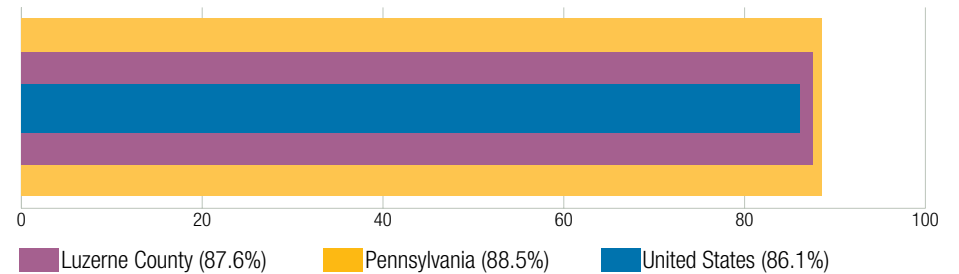
## EDUCATION

### High School Graduation Rate

Report Area	Total Student Cohort	Estimated Number of Diplomas Issued	Cohort Graduation Rate
Luzerne County	3,191	2,796	87.6
Pennsylvania	122,067	108,049	88.5
United States	3,135,216	2,700,120	86.1

Data Source: US Department of Education, ED Facts. Accessed via DATA.GOV. Additional data analysis by CARES. 2015-16. Source geography: School District Cohort Graduation Rate

### Cohort Graduation Rate



### POPULATION EDUCATION LEVEL, AGE 25+

Report Area	Total Population 25+	No High School Diploma		Bachelor's Degree or Higher	
		Population	%	Population	%
Hazleton	18,660	4,615	24.73	2,173	11.65
Luzerne County	226,781	24,732	10.91	50,011	22.05
Pennsylvania	8,849,846	925,686	10.46	2,595,950	29.33
United States	213,649,147	27,818,380	13.02	64,767,787	30.32

Data Source: US Census Bureau, American Community Survey. 2012-16. Source geography: Tract



In Hazleton, 25 percent of the population does not have a high school diploma and 12 percent has a bachelor's degree or higher. 52 percent of fourth-graders in Hazleton have “not proficient” or worse reading skills.





### Population with No High School Diploma by Ethnicity Alone

Report Area	Hispanic			Non-Hispanic		
	No HS Diploma	Total Pop.	% No HS Diploma	No HS Diploma	Total Pop.	% No HS Diploma
Hazleton	3,443	15,467	46.56	1,172	14,007	10.40
Luzerne County	5,553	29,797	39.12	19,179	289,120	9.02
Pennsylvania	132,021	843,164	31.41	817,980	11,940,813	9.75
United States	10,512,401	55,199,107	35.10	17,716,693	263,359,055	9.76

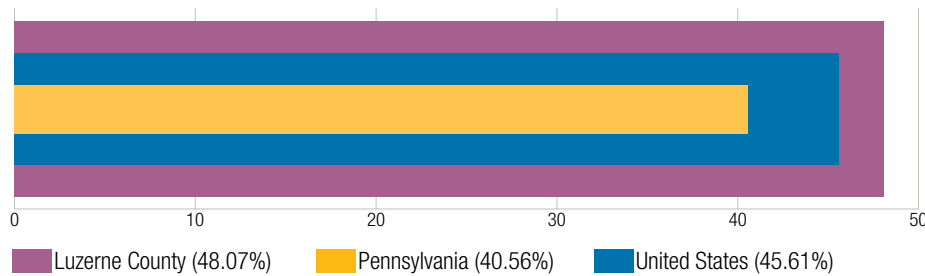
Data Source: US Census Bureau, American Community Survey, 2012-16. Source geography: Tract

## Student Reading Proficiency (Fourth Grade)

Percentage of children in grade 4 whose reading skills tested below the “proficient” level for the English Language Arts portion of the state-specific standardized test.

Report Area	Total Students with Valid Test Scores	% of Students 'Proficient' or Better	% of Students 'Not Proficient' or Worse
Hazleton	434.84	48.05	51.95
Luzerne County	3,100	51.93	48.07
Pennsylvania	119,743	59.44	40.56
United States	3,393,582	49.67	45.61

Data Source: US Department of Education, EDData. Accessed via DATA.GOV. 2014-15. Source geography: School District



## INCOME AND POVERTY

### Population and Children below 200% of Federal Poverty Level

Report Area	General Population			Children		
	Total Population	Population at or Below 200% FPL	% at or Below 200% FPL	Children Under Age 18	Children at or Below 200% FPL	% at or Below 200% FPL
Hazleton	29,010	15,182	52.33	7,375	5,170	70.10
Luzerne County	318,917	107,687	35.07	61,786	30,454	49.29
Pennsylvania	12,783,977	3,736,519	30.21	2,658,853	1,040,438	39.13
United States	318,558,162	104,390,198	33.61	72,456,096	31,364,270	43.29

Data Source: US Census Bureau, American Community Survey. 2012-16. Source geography: Tract

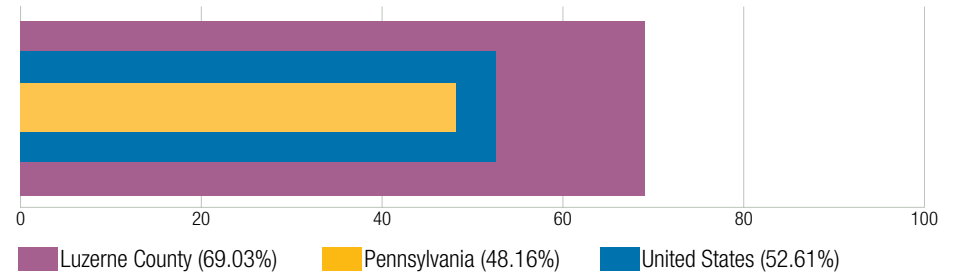


52.3 percent of individuals in Hazleton are living in poverty and 100 percent of children are eligible for free/reduced price lunch.

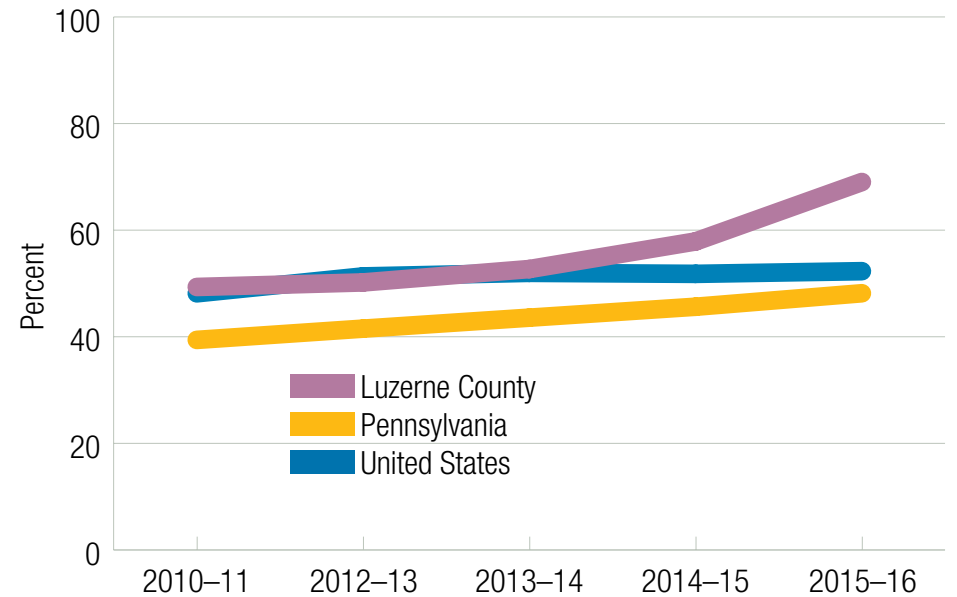
## Children Eligible for Free/Reduced Price Lunch

Report Area	Total Students	Number Free/Reduced Price Lunch Eligible	% Free/Reduced Price Lunch Eligible
Hazleton	6,008	6,008	100
Luzerne County	42,032	29,014	69.03
Pennsylvania	1,704,502	802,045	48.16
United States	50,611,787	25,893,504	52.61

Data Source: National Center for Education Statistics, NCES - Common Core of Data. 2015-16. Source geography: Address



## Children Eligible for Free Lunch, by Year

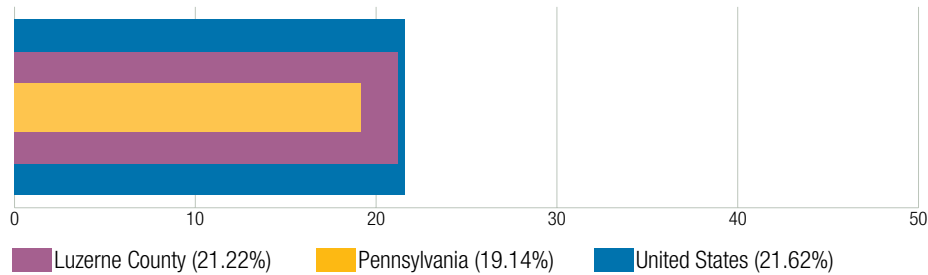


## Population Receiving Medicaid

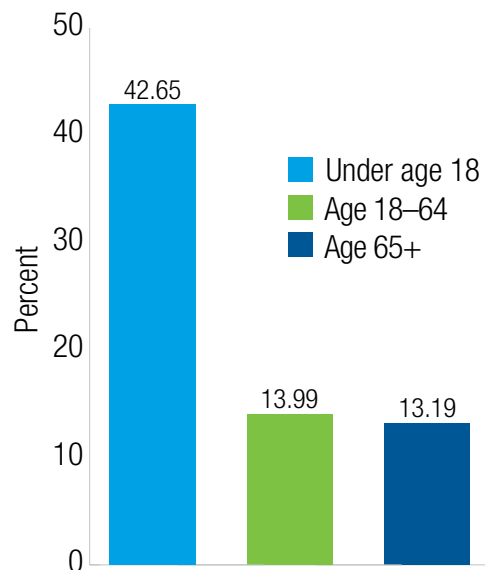
Percentage of population with insurance enrolled in Medicaid (or other means-tested public health insurance)

Report Area	Population with Any Health Insurance	Population Receiving Medicaid	% of Insured Population Receiving Medicaid
Hazleton	29,034	8,935	36.17
Luzerne County	287,527	61,013	21.22
Pennsylvania	11,579,382	2,216,468	19.14
United States	276,875,891	59,874,221	21.62

Data Source: US Census Bureau, American Community Survey, 2012-16. Source geography: Tract



## Population Receiving Medicaid by Age Group

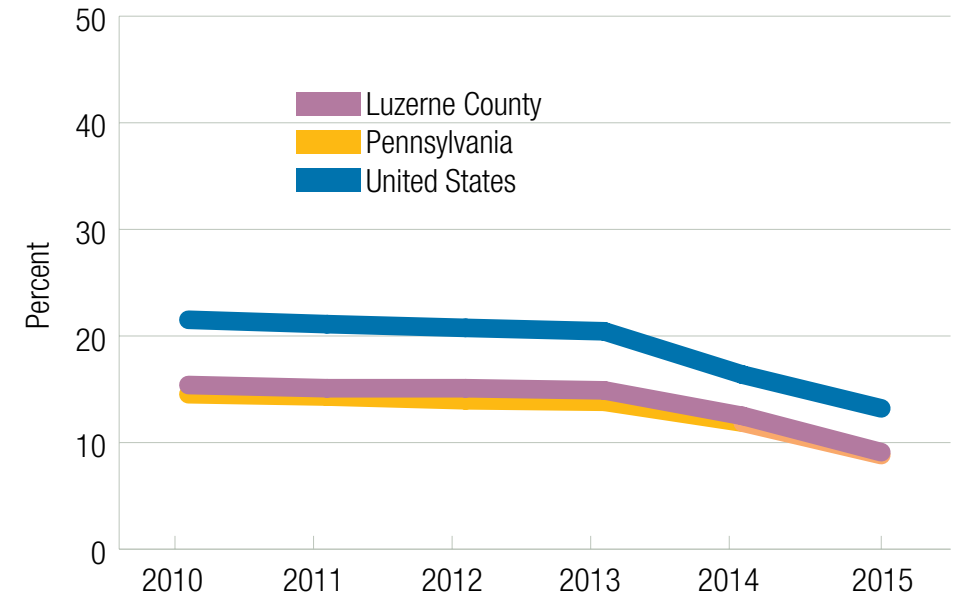


## Uninsured Population by Age Group, Percent

Report Area	% Under Age 18	% Age 18-64	% Age 65+	Total
Luzerne County	3.75	11.04	0.21	7.57
Pennsylvania	4.82	10.99	0.49	7.95
United States	5.9	13.67	0.91	11.7

Data Source: US Census Bureau, Small Area Health Insurance Estimates, 2015. Source geography: County

## Uninsured Population Age 18-64, Percent by Year



36.2 percent of the insured population in the city of Hazleton receive Medicaid. 21 percent of the larger county who receive Medicaid are uninsured.



Lack of food access, particularly healthy food access, is a community health issue discussed by focus group and interview participants. There are programs available during the year for children through school, but there is concern about the availability of these programs on weekends and during the summer. The burden of poverty often falls on social service agencies.



## FOOD ACCESS

### Food Environment Index

The Food Environment Index ranges from 0 (worst) to 10 (best) and equally weights limited access to healthy foods and food insecurity. There are many facets to a healthy food environment, such as cost, distance and availability of healthy food options. This measure includes access to healthy foods by considering distance an individual lives from a grocery store or supermarket.

Report Area	Food Environment Index
Luzerne County	8.0
Pennsylvania	8.2

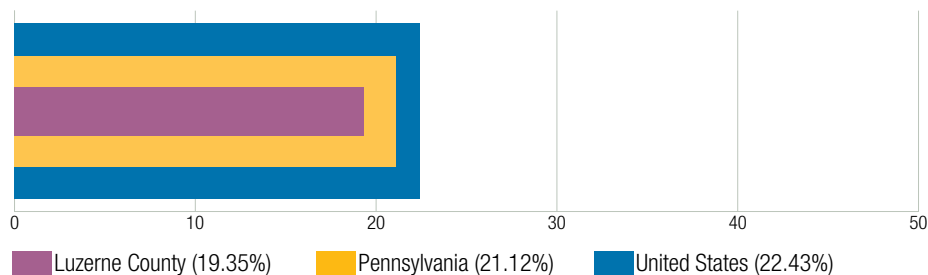
Data Source: USDA Food Environment Atlas, 2015

### Low Food Access

Percentage of population living in census tracts designated as food deserts. A food desert is defined as a low-income census tract where a substantial number or share of residents has low access to a supermarket or large grocery store.

Report Area	Total Pop.	Pop. with Low Food Access	% Population with Low Food Access
Hazleton	59,868	16	0.03
Luzerne County	320,918	62,087	19.35
Pennsylvania	12,702,379	2,682,905	21.12
United States	308,745,538	69,266,771	22.43

Data Source: US Department of Agriculture, Economic Research Service, USDA - Food Access Research Atlas, 2015. Source geography: Tract



## Food Insecurity Rate

Estimated percentage of population who experienced food insecurity at some point during the report year. Food insecurity is the household-level economic and social condition of limited or uncertain access to adequate food.

Report Area	Population			Population under Age 18		
	Total	Food Insecure, Total	Food Insecurity Rate %	Total	Food Insecure, Total	Food Insecurity Rate %
Luzerne County	320,918	43,640	13.62	64,135	15,880	24.76
Pennsylvania	12,787,209	1,760,450	13.80	2,716,253	564,440	20.78
United States	318,198,163	47,448,890	14.91	73,580,326	17,284,530	23.49

Data Source: Feeding America, 2014. Source geography: County

## Population Receiving SNAP Benefits

Average percentage of population receiving Supplemental Nutrition Assistance Program (SNAP) benefits between July 2014 and July 2015.

Report Area	Total Population	Population Receiving SNAP Benefits	% Population Receiving SNAP Benefits
Luzerne County	318,449	57,533	18.1
Pennsylvania	12,802,503	1,863,359	14.6
United States	321,396,328	44,567,069	13.9

Data Source: US Census Bureau, Small Area Income & Poverty Estimates, 2015. Source geography: County

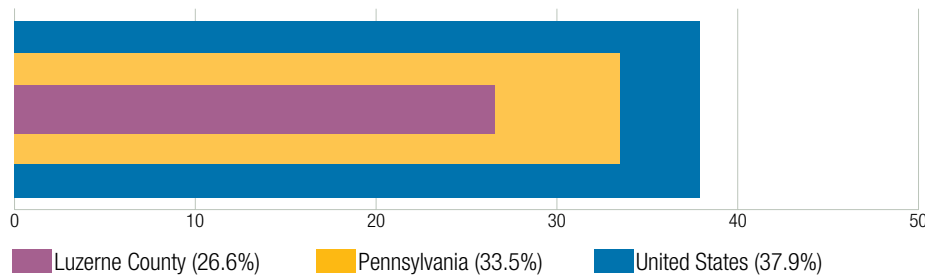


## VIOLENT CRIME

Rate of violent crime offenses reported by law enforcement per 10,000 residents. Violent crime includes homicide, rape, robbery and aggravated assault.

Report Area	Total Population	Violent Crimes	Violent Crime Rate (Per 10,000 Pop.)
Hazleton	29,881	79	26.9
Luzerne County	320,351	855	26.6
Pennsylvania	12,755,946	42,790	33.5
United States	311,082,592	1,181,036	37.9

Data Source: Federal Bureau of Investigation, FBI Uniform Crime Reports. Additional analysis by the National Archive of Criminal Justice Data. Accessed via the Inter-university Consortium for Political and Social Research. 2012-14. Source geography: County

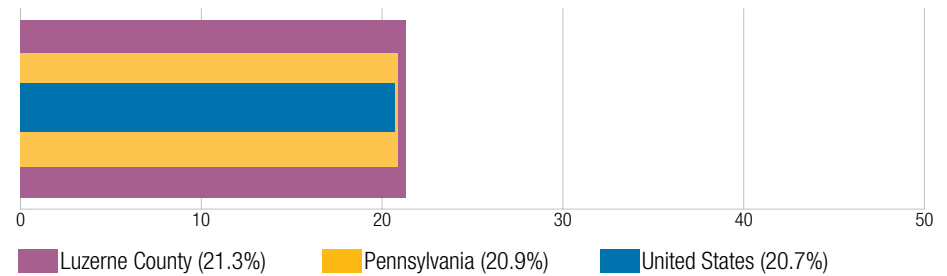


## SOCIAL AND EMOTIONAL SUPPORT

Percentage of adults age 18 and older who self-report they receive insufficient social and emotional support all or most of the time.

Report Area	Total Population Age 18+	Estimated Pop. without Adequate Social / Emotional Support	% Age-Adjusted
Luzerne County	255,090	54,334	21.3
Pennsylvania	9,857,384	2,070,051	20.9
United States	232,556,016	48,104,656	20.7

Data Source: Centers for Disease Control and Prevention, Behavioral Risk Factor Surveillance System. Accessed via the Health Indicators Warehouse. US Department of Health Human Services, Health Indicators Warehouse. 2006-12. Source geography: County



18 percent of the population in Luzerne County receives SNAP benefits and 21 percent lack sufficient social or emotional support.



Community members and stakeholders repeatedly note that health education is needed in schools, such as around oral hygiene, self-care, the impacts of drug use, hygiene and sexual health. Participants suggest having LVHN bring speakers in to discuss important health topics such as chronic disease prevention or management would be helpful.

## HEALTH BEHAVIORS

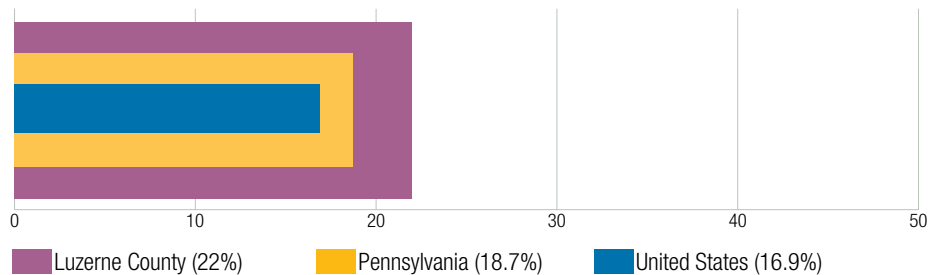
### ALCOHOL AND DRUG USE

#### Alcohol Consumption

Percentage of adults age 18 and older who self-report heavy alcohol consumption (defined as more than two drinks per day on average for men and one drink per day on average for women).

Report Area	Total Population Age 18+	Est. Adults Drinking Excessively	% Age-Adjusted
Luzerne County	255,090	50,763	22.0
Pennsylvania	9,857,384	1,705,327	18.7
United States	232,556,016	38,248,349	16.9

Data Source: Centers for Disease Control and Prevention, Behavioral Risk Factor Surveillance System. Accessed via the Health Indicators Warehouse. US Department of Health Human Services, Health Indicators Warehouse. 2006-12. Source geography: County

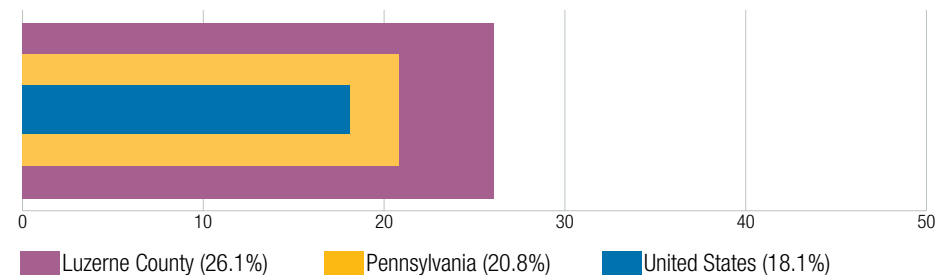


## TOBACCO USE

### Current Smokers

Report Area	Total Population Age 18+	Total Adults Regularly Smoking Cigarettes	% Age-Adjusted
Luzerne County	255,090	62,752	26.1
Pennsylvania	9,857,384	1,961,619	20.8
United States	232,556,016	41,491,223	18.1

Data Source: Centers for Disease Control and Prevention, Behavioral Risk Factor Surveillance System. Accessed via the Health Indicators Warehouse. US Department of Health Human Services, Health Indicators Warehouse. 2006-12. Source geography: County



In Luzerne County, there were 1,169 DUI/DWI cases in 2016. This represents a 3.18 percent increase in DUI/DWIs between 2011 and 2016. 22 percent in Luzerne County self-report heavy alcohol consumption.



Drug use is identified as a problem by focus group and interview participants throughout the county, which affects the overall community negatively including around crime and safety issues. Participants highlight that substance use issues also are impacting newborns and young children, including babies who experience failing to thrive, are born underweight, and have developmental delays as a result of mothers using drugs and alcohol. Drug and alcohol use is attributed to lack of things to do and lack of timely services in the area to address substance abuse issues once someone has agreed to seek care.

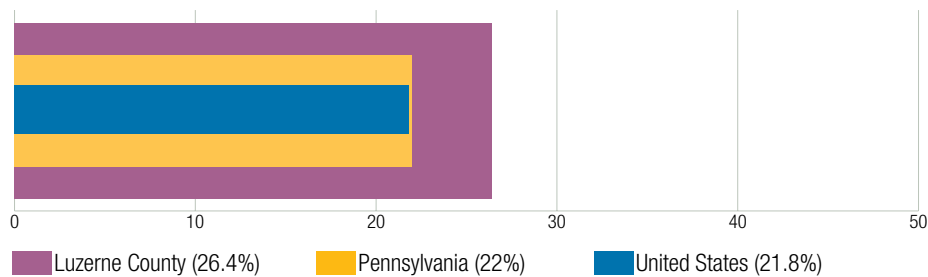
## DIET AND PHYSICAL FITNESS

### Physical Inactivity

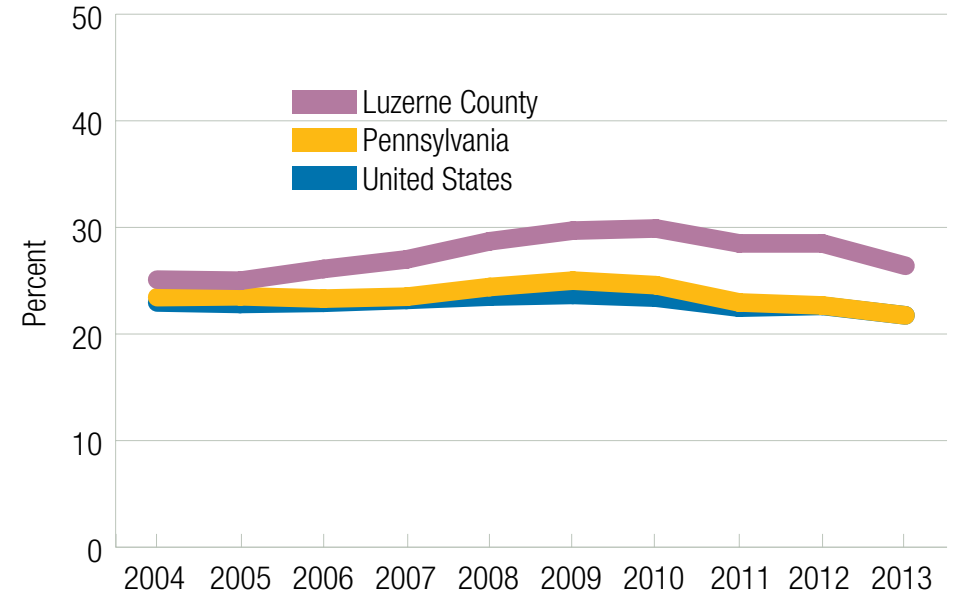
Adults age 20 and older who self-report no leisure time for activity, based on the question: "During the past month, other than your regular job, did you participate in any physical activities or exercises such as running, calisthenics, golf, gardening or walking for exercise?"

Report Area	Total Population Age 20+	Population with No Leisure Time Physical Activity	% Population with No Leisure Time Physical Activity
Luzerne County	248,546	70,090	26.4
Pennsylvania	9,697,156	2,244,307	22.0
United States	234,207,619	52,147,893	21.8

Data Source: Centers for Disease Control and Prevention, National Center for Chronic Disease Prevention and Health Promotion. 2013. Source geography: County



### Percent Adults Physically Inactive by Year



26.4 percent of individuals in Luzerne County report no physical activity during leisure time.

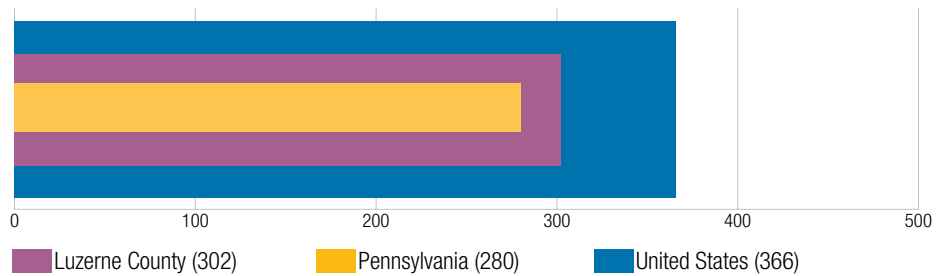
## SEXUAL HEALTH

### Teen Births

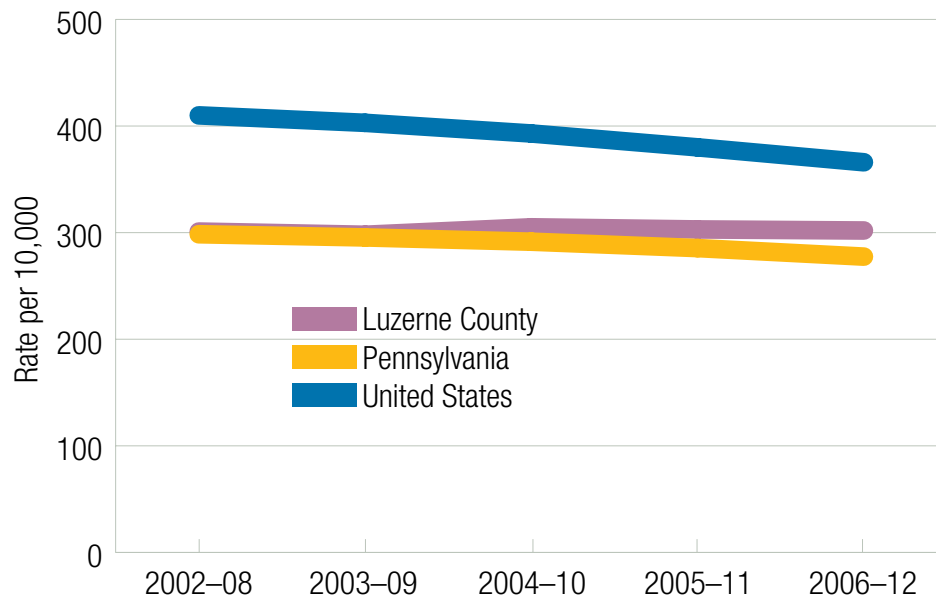
Rate of total births to women age 15–19 per 10,000 female population age 15–19.

Report Area	Female Population Age 15-19	Births to Mothers Age 15-19	Teen Birth Rate (Per 10,000 Population)
Luzerne County	10,574	319	302
Pennsylvania	442,601	12,393	280
United States	10,736,677	392,962	366

Data Source: US Department of Health & Human Services, Health Indicators Warehouse. Centers for Disease Control and Prevention, National Vital Statistics System. Accessed via CDC WONDER. 2006-12. Source geography: County



### Births to Women Age 15-19, Rate per 10,000 Population by Time Period



### Births to Women Age 15-19, Rate per 10,000 Pop. by Race/ Ethnicity

Report Area	Non-Hispanic White	Non-Hispanic Black	Hispanic or Latino
Luzerne County	24.7	52	710
Pennsylvania	18.5	59.4	716
United States	24.6	54.9	620

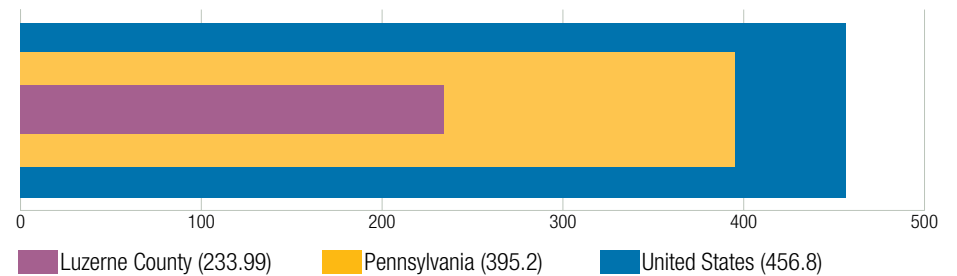
Data Source: US Department of Health & Human Services, Health Indicators Warehouse. Centers for Disease Control and Prevention, National Vital Statistics System. Accessed via CDC WONDER. 2006-12. Source geography: County

### STI – Chlamydia Incidence

Incidence rate of chlamydia cases per 100,000 population

Report Area	Total Population	Total Chlamydia Infections	Chlamydia Infection Rate (Per 100,000 Pop.)
Luzerne County	320,103	749	233.99
Pennsylvania	12,774,545	50,485	395.20
United States	316,128,839	1,441,789	456.08

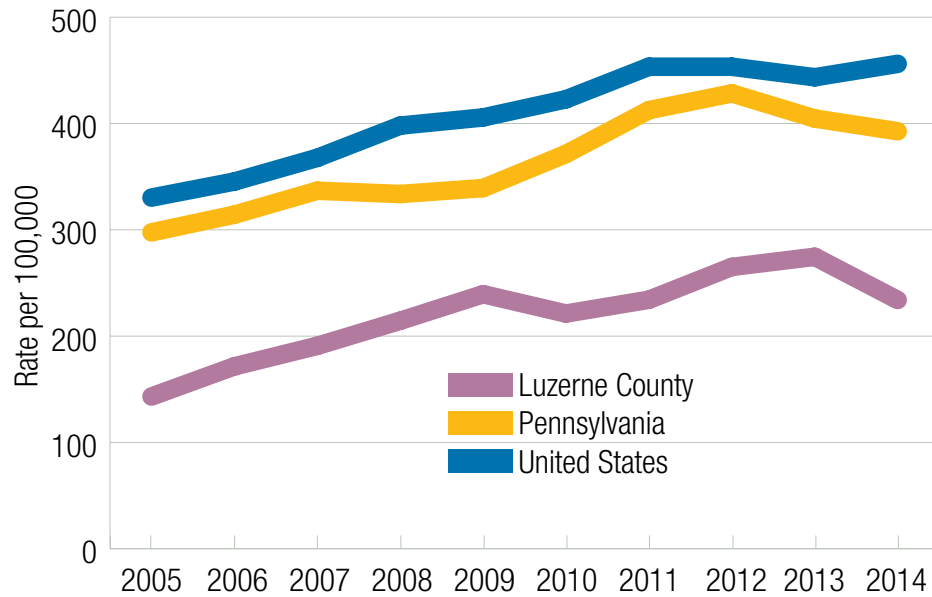
Data Source: US Department of Health & Human Services, Health Indicators Warehouse. Centers for Disease Control and Prevention, National Center for HIV/AIDS, Viral Hepatitis, STD, and TB Prevention. 2014. Source geography: County



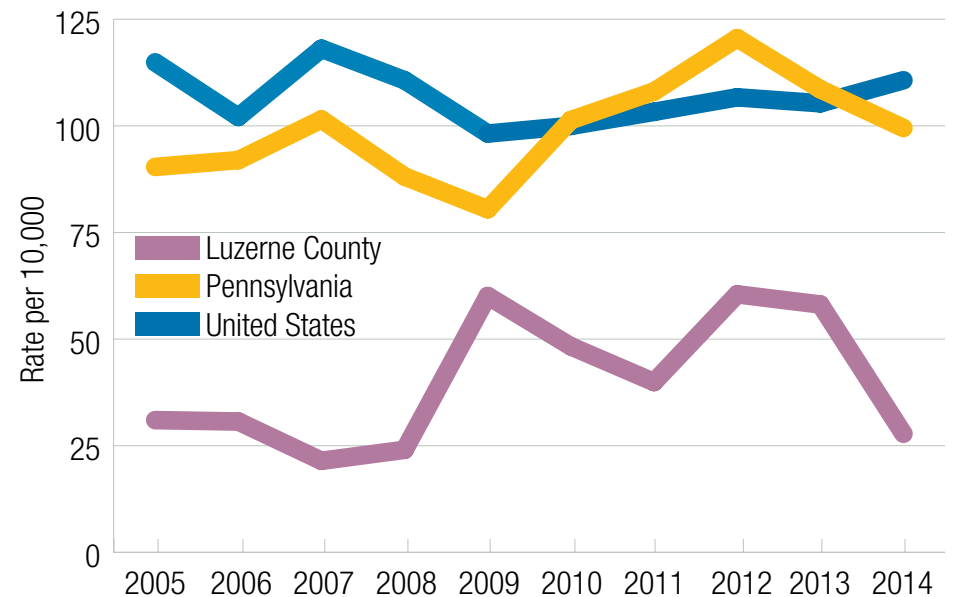
In Luzerne County, for every 10,000 adolescents in the community about 302 have had a baby. In the Hispanic population in Luzerne County, the rate increases to 710 adolescents giving birth for every 10,000 who identify as Hispanic.



### Chlamydia Incidence Rate (Per 100,000 Population) by Year



### Gonorrhea Incidence Rate (Per 100,000 Population) by Year

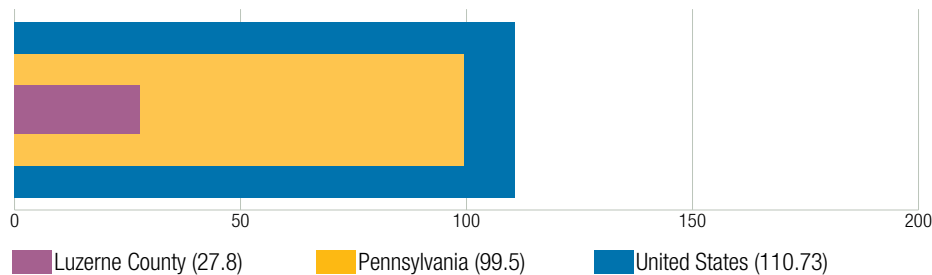


### STI – Gonorrhea Incidence

Incidence rate of gonorrhea cases per 100,000 population

Report Area	Total Population	Total Gonorrhea Infections	Gonorrhea Infection Rate (Per 100,000 Pop.)
Luzerne County	320,103	89	27.80
Pennsylvania	12,773,869	12,710	99.50
United States	316,128,839	350,062	110.73

Data Source: US Department of Health & Human Services, Health Indicators Warehouse. Centers for Disease Control and Prevention, National Center for HIV/AIDS, Viral Hepatitis, STD, and TB Prevention. 2014. Source geography: County

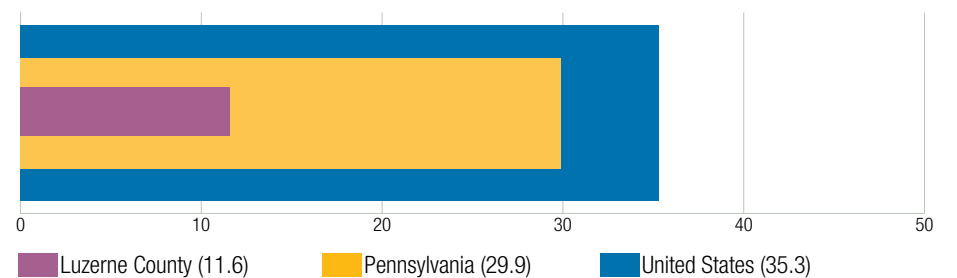


### STI – HIV Prevalence

Prevalence rate of HIV per 10,000 population

Report Area	Population Age 13+	Population with HIV/AIDS	Population with HIV/AIDS, Rate (Per 10,000 Pop.)
Luzerne County	275,971	322	11.6
Pennsylvania	10,862,772	32,547	29.9
United States	263,765,822	931,526	35.3

Data Source: US Department of Health & Human Services, Health Indicators Warehouse. Centers for Disease Control and Prevention, National Center for HIV/AIDS, Viral Hepatitis, STD, and TB Prevention. 2013. Source geography: County



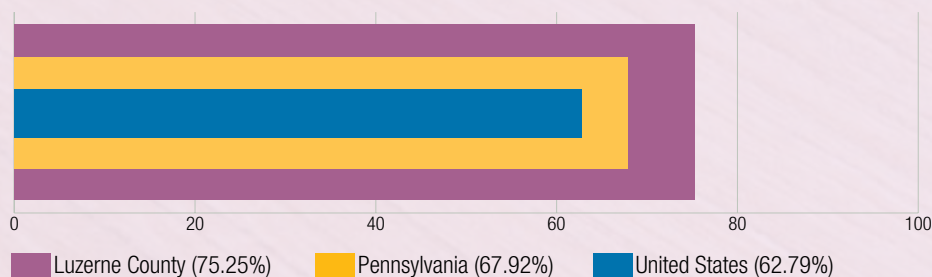
## HEALTH SCREENINGS

### HIV Screenings

Percentage of adults age 18-70 who self-report they have never been screened for HIV.

Report Area	Survey Population (Adults Age 18+ )	Total Adults Never Screened for HIV/ AIDS	% Adults Never Screened for HIV/ AIDS
Luzerne County	220,999	166,304	75.25
Pennsylvania	8,948,560	6,077,953	67.92
United States	214,984,421	134,999,025	62.79

Data Source: Centers for Disease Control and Prevention, Behavioral Risk Factor Surveillance System. Additional data analysis by CARES. 2011-12. Source geography: County



# Health Screenings



Participants note that financial strains often prevent community members from engaging in preventive care like health screenings. The availability of free health screenings such as cholesterol and BMI are noted as strengths of the community, but focus group and interview participants note that more advertising of and outreach for these resources would be helpful so that community members can take advantage of preventive services being provided.

## Mammogram

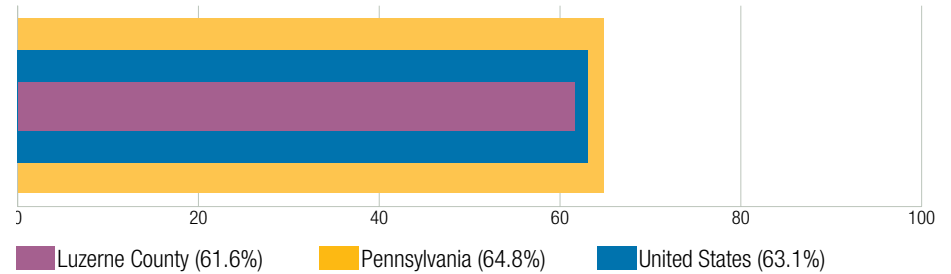
Percentage of female Medicare enrollees age 67-69 who self-report they have received one or more mammograms in the past two years.

Report Area	Total Medicare Enrollees	Female Medicare Enrollees		
		N	N with Mammogram in Past 2 Years	% with Mammogram in Past 2 Years
Luzerne County	39,217	3,137	1,933	61.6
Pennsylvania	1,053,822	91,755	59,441	64.8
United States	26,753,396	2,395,946	1,510,847	63.1

Data Source: Dartmouth College Institute for Health Policy Clinical Practice, Dartmouth Atlas of Health Care. 2014. Source geography: County Percent Female Medicare Enrollees with Mammogram in Past 2 Years



A total of 6,685 mammograms were provided at LVH-H in FY 2018.



## Pap Test

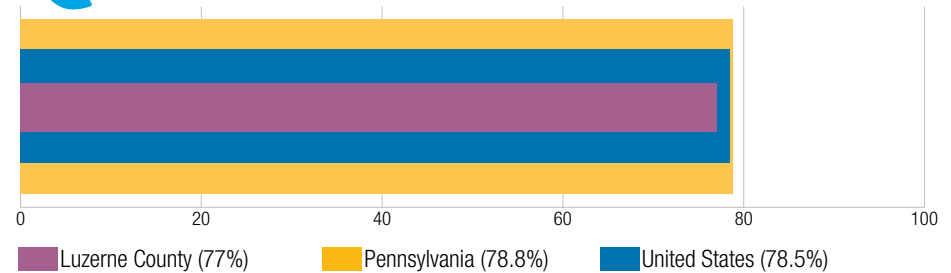
Percentage of women age 18 and older who self-report they have had a Pap test in the past three years.

Report Area	Female Population Age 18+	Estimated Number with Regular Pap Test	% Age-Adjusted
Luzerne County	239,830	176,755	77.0
Pennsylvania	8,337,831	6,395,116	78.8
United States	176,847,182	137,191,142	78.5

Data Source: Centers for Disease Control and Prevention, Behavioral Risk Factor Surveillance System. Accessed via the Health Indicators Warehouse. US Department of Health Human Services, Health Indicators Warehouse. 2006-12. Source geography: County



A total of 2,082 Pap tests were provided at LVH-H in FY 2018.



## Sigmoidoscopy or Colonoscopy

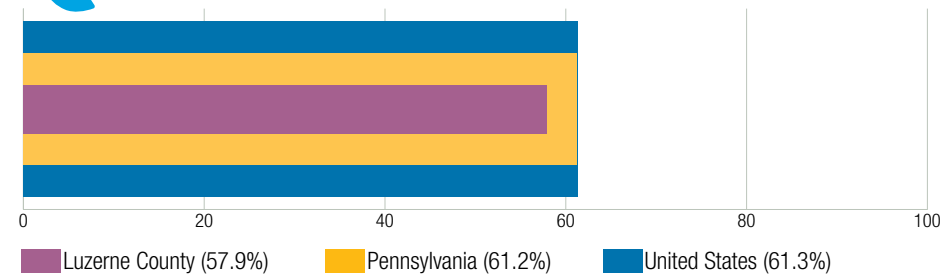
Percentage of adults 50 and older who self-report they have ever had a sigmoidoscopy or colonoscopy.

Report Area	Total Population Age 50+	Estimated Population Ever Screened for Colon Cancer	% Age-Adjusted
Luzerne County	99,829	59,498	57.9
Pennsylvania	3,524,771	2,301,675	62.1
United States	75,116,406	48,549,269	61.3

Data Source: Centers for Disease Control and Prevention, Behavioral Risk Factor Surveillance System. Accessed via the Health Indicators Warehouse. US Department of Health Human Services, Health Indicators Warehouse. 2006-12. Source geography: County



A total of 1,273 colonoscopies were provided at LVH-H in FY 2018.

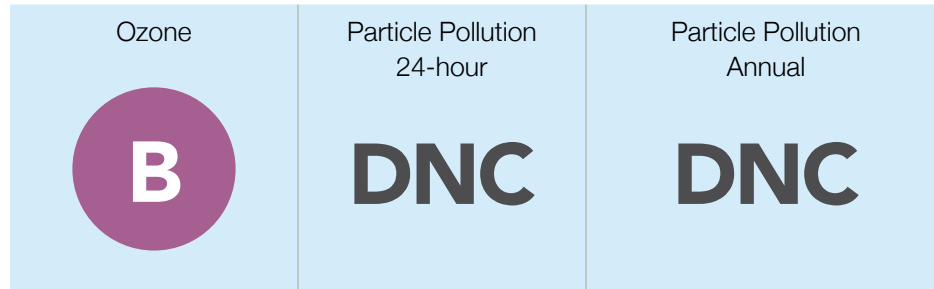




## PHYSICAL ENVIRONMENT

### AIR QUALITY

If you live in Luzerne County, the air you breathe needs your support.



Data Source: American Lung Association 2017 State of the Air Report

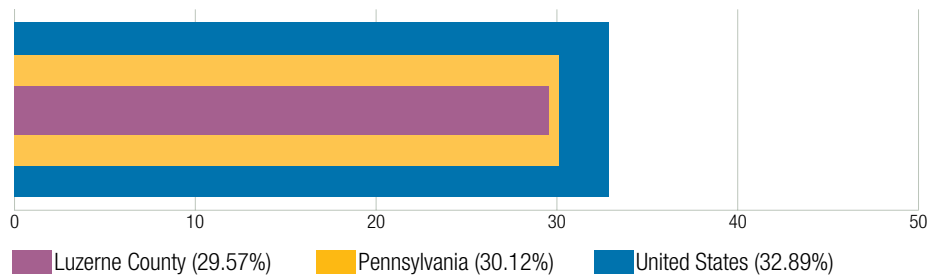
### HOUSING

#### Housing Cost Burden (30%)

Percentage of households where housing costs exceed 30 percent of total household income. This indicator provides information on cost of monthly housing expenses for owners and renters. Information offers a measure of housing affordability and excessive shelter costs.

Report Area	Total Households	Cost-Burdened Households	% of Cost-Burdened Households
Hazleton	10,698	3,920	36.64
Luzerne County	127,514	37,701	29.57
Pennsylvania	4,961,929	1,494,667	30.12
United States	117,716,237	38,719,430	32.89

Data Source: US Census Bureau, American Community Survey, 2012-16. Source geography: Tract

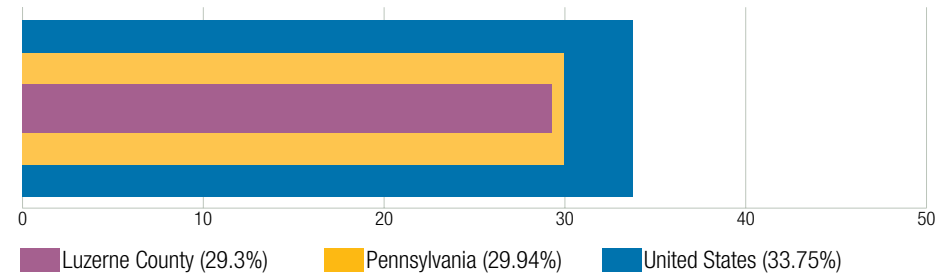


### Substandard Housing

Number and percentage of owner- and renter-occupied housing units having at least one of the following conditions: 1) lacking complete plumbing facilities, 2) lacking complete kitchen facilities, 3) with 1.01 or more occupants per room, 4) selected monthly owner costs as a percentage of household income greater than 30 percent, and 5) gross rent as a percentage of household income greater than 30 percent.

Report Area	Total Occupied Housing Units	Occupied Housing Units with One or More Substandard Conditions	% Occupied Housing Units with One or More Substandard Conditions
Hazleton	10,698	4,064	37.99
Luzerne County	127,514	37,378	29.31
Pennsylvania	4,961,929	1,485,705	29.94
United States	117,716,237	39,729,263	33.75

Data Source: US Census Bureau, American Community Survey, 2012-16. Source geography: Tract



36.6 percent of households in Hazleton spend 30 percent or more of household income on housing. 38 percent of housing units in Hazleton have at least one substandard condition.

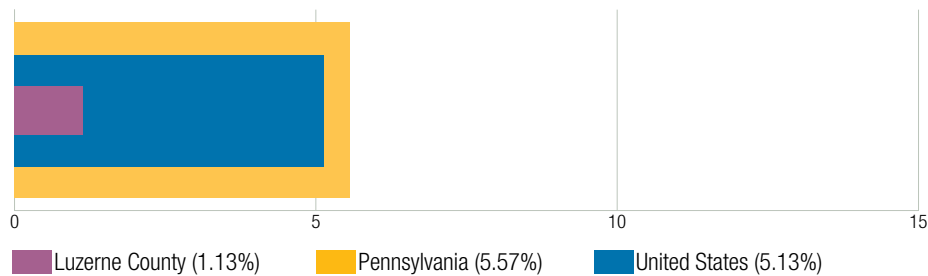
## TRANSPORTATION AND COMMUTING

### Use of Public Transportation

Percentage of population using public transportation as primary means of commute to work. Public transportation includes buses or trolley buses, streetcars or trolley cars, subway or elevated rails, and ferryboats.

Report Area	Total Population Employed Age 16+	Population Using Public Transit for Commute to Work	% Population Using Public Transit for Commute to Work
Luzerne County	144,267	1,634	1.13
Pennsylvania	5,922,289	329,912	5.57
United States	145,861,221	7,476,312	5.13

Data Source: US Census Bureau, American Community Survey, 2012-16. Source geography: Tract



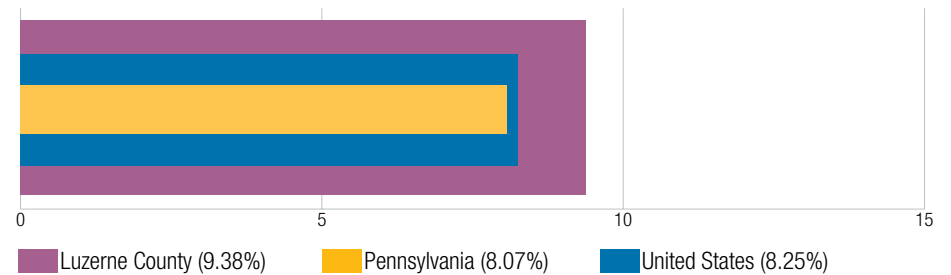
## ACCESS TO COMMUNITY INFRASTRUCTURE

### SNAP-Authorized Food Stores

Number of SNAP-authorized food stores as a rate per 10,000 population. SNAP-authorized stores include grocery stores as well as supercenters, specialty food stores and convenience stores authorized to accept SNAP (Supplemental Nutrition Assistance Program) benefits.

Report Area	Total Population	Total SNAP-Authorized Retailers	SNAP-Authorized Retailers, Rate per 10,000 Population
Luzerne County	320,918	301	9.38
Pennsylvania	12,702,379	10,257	8.07
United States	312,411,142	257,596	8.25

Data Source: US Department of Agriculture, Food and Nutrition Service, USDA - SNAP Retailer Locator. Additional data analysis by CARES, 2017. Source geography: Tract



### WIC-AUTHORIZED FOOD STORES

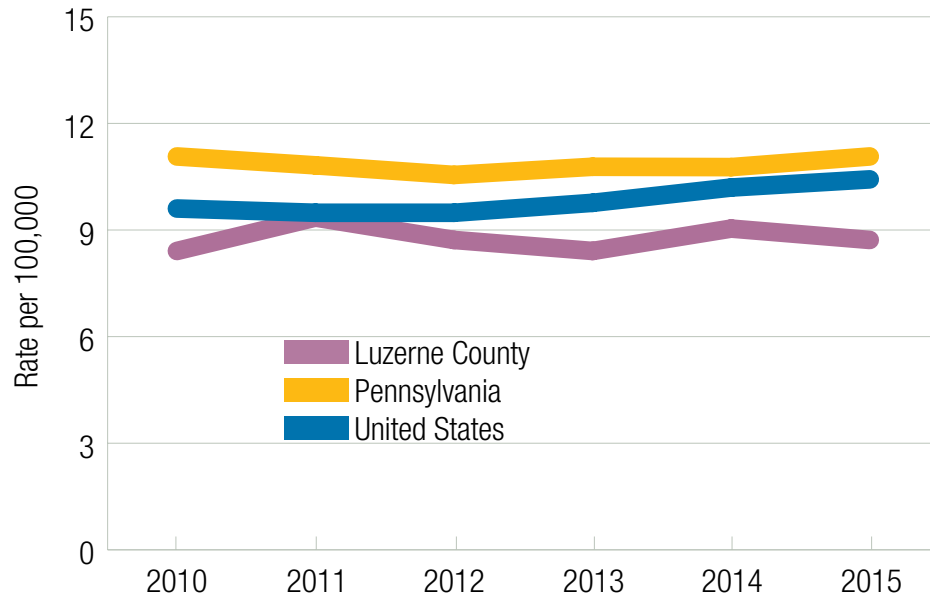
Number of food stores that accept Women, Infants and Children (WIC) benefits per 100,000 population.

Report Area	Total Population (2011 Estimate)	Number WIC-Authorized Food Stores	WIC-Authorized Food Store Rate (Per 100,000 Pop.)
Luzerne County	320,652	40	12.5
Pennsylvania	12,844,373	2,138	16.6
United States	318,921,538	50,042	15.6

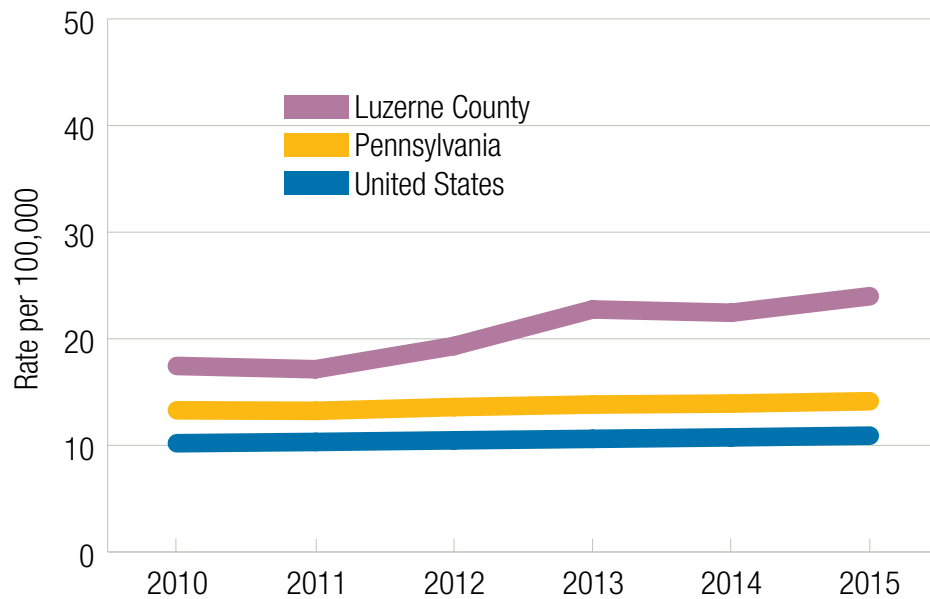


Data Source: US Department of Agriculture, Economic Research Service, USDA - Food Environment Atlas. 2011. Source geography: County

**Recreation and Fitness Facilities, Rate per 100,000 Population by Year**



**Beer, Wine and Liquor Stores, Rate per 100,000 Population by Year**



**CLINICAL CARE**

Lack of access to care presents barriers to good health. Supply and accessibility of facilities and physicians, rate of uninsurance, financial hardship, transportation barriers, cultural competency and coverage limitations affect access. Rates of morbidity, mortality and emergency hospitalizations can be reduced if community residents access services such as health screenings, routine tests and vaccinations. Prevention indicators can call attention to a lack of access or knowledge regarding one or more health issues and can inform program interventions (Courtesy CARES Engagement Network).

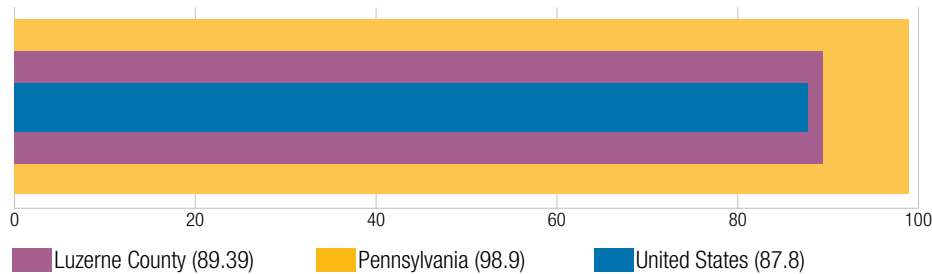


## ACCESS TO PRIMARY CARE

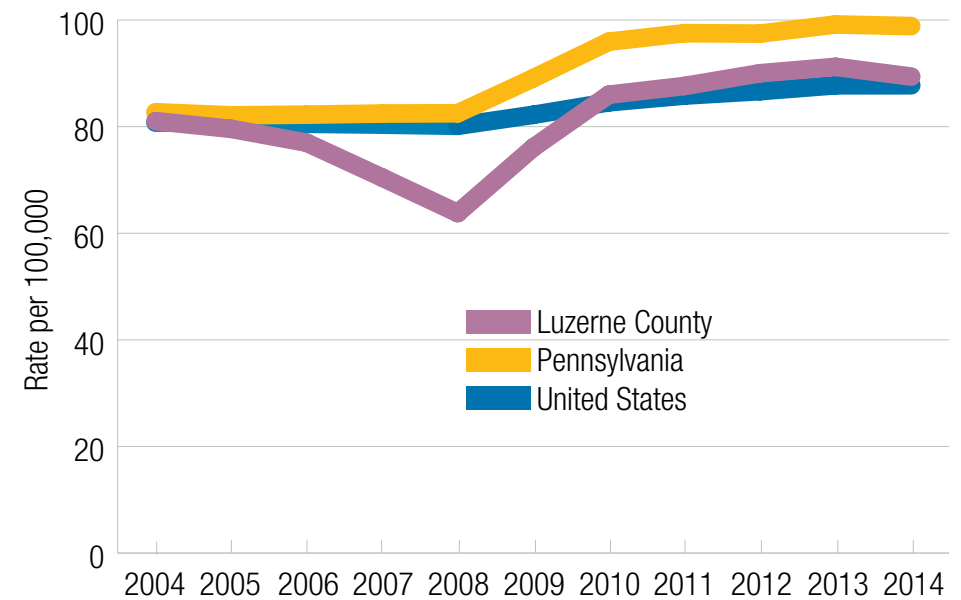
Number of primary care physicians per 100,000 population. Doctors classified as “primary care physicians” by the AMA include: family medicine, general internal medicine, and pediatric MDs and DOs. Physicians age 75 and over and physicians practicing subspecialties within the listed specialties are excluded.

Report Area	Total Population, 2014	Primary Care Physicians, 2014	Primary Care Physicians, Rate per 100,000 Pop.
Luzerne County	318,829	285	89.39
Pennsylvania	12,787,209	12,643	98.90
United States	318,857,056	279,871	87.80

Data Source: US Department of Health & Human Services, Health Resources and Services Administration, Area Health Resource File, 2014. Source geography: County



## Access to Primary Care, Rate (Per 100,000 Population), by Year



Lehigh Valley Health Network has five primary care outpatient practices in Luzerne County.



Participants identify that there is more care available locally through LVHN's presence; however, there are still a number of inter-related barriers to care in Hazleton. Participants note a shortage of providers, particularly specialists, which is causing residents to seek care out of the area. They also note that for providers who are present in the community, there is often long wait times to get appointments for primary care, dentists, psychiatry and other providers, which prevents people from getting care in a timely manner and leads to health issues getting worse and becoming emergent. This ultimately leads to individuals utilizing the emergency department for preventive care or minor problems.

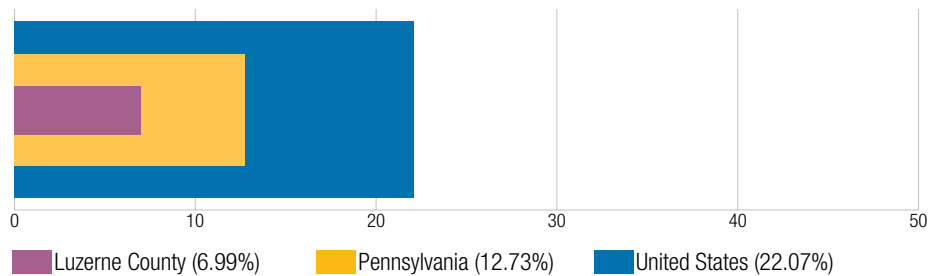
Community members often face transportation barriers to seeking out care. They also experience economic strain regarding health care due to the rising cost of health care, medications, high deductibles and out-of-pocket expenses, which leads to people tending to neglect important care. Further complicating things, health literacy can be an issue, as many community members who do not speak English may not know when to seek care at a doctor's office as opposed to the emergency department.

## Lack of a Consistent Source of Primary Care

Percentage of adults age 18 and older who self-report they do not have at least one person who they think of as their personal doctor or health care provider.

Report Area	Survey Population (Adults Age 18+)	Total Adults Without Any Regular Doctor	% Adults Without Any Regular Doctor
Luzerne County	239,595	16,737	6.99
Pennsylvania	9,777,605	1,244,908	12.73
United States	236,884,668	52,290,932	22.07

Data Source: Centers for Disease Control and Prevention, Behavioral Risk Factor Surveillance System. Additional data analysis by CARES. 2011-12. Source geography: County

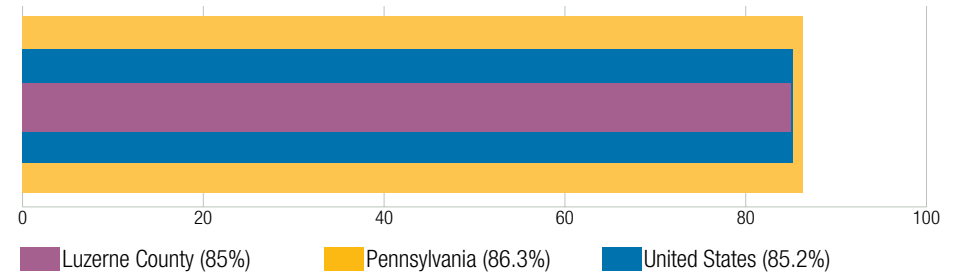


## DIABETES MANAGEMENT

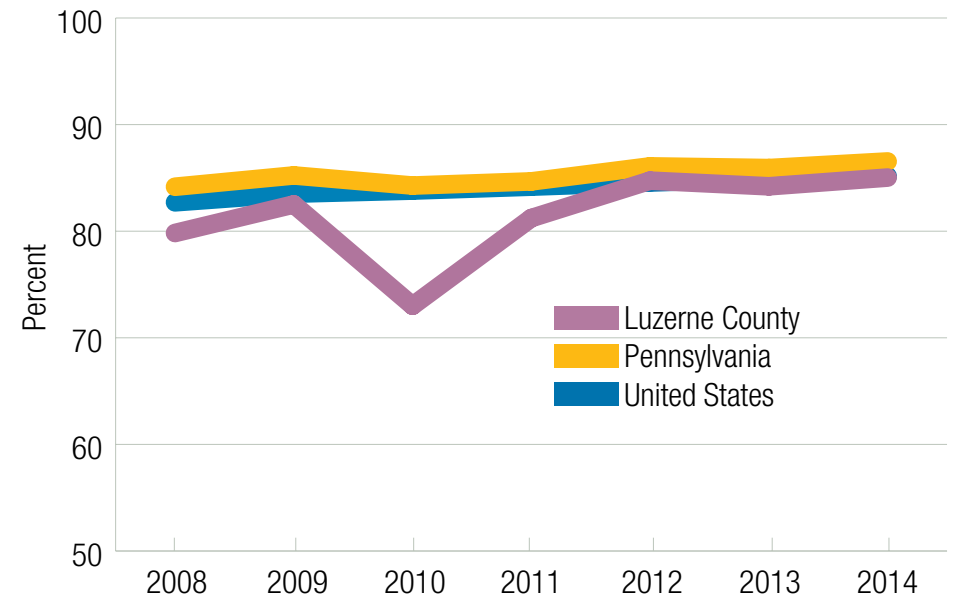
Percentage of Medicare patients with diabetes who have had a hemoglobin A1c (hA1c) test, a blood test that measures blood sugar levels, administered by a health care professional in the past year.

Report Area	Total Medicare Enrollees	Medicare Enrollees with Diabetes	Medicare Enrollees with Diabetes with Annual Exam	% Medicare Enrollees with Diabetes with Annual Exam
Luzerne County	39,217	4,536	3,856	85.0
Pennsylvania	1,053,822	123,915	106,920	86.3
United States	26,753,396	3,314,834	2,822,996	85.2

Data Source: Dartmouth College Institute for Health Policy Clinical Practice, Dartmouth Atlas of Health Care. 2014. Source geography: County



## Percent of Medicare Beneficiaries with Diabetes with Annual Hemoglobin A1c Test by Year

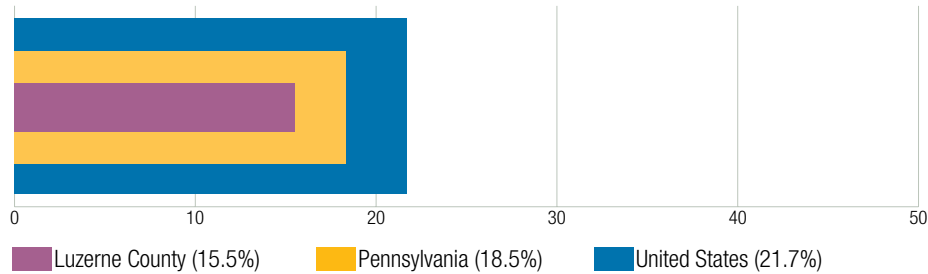


7 percent of adults in Luzerne County lack a consistent primary care provider.

## HIGH BLOOD PRESSURE MANAGEMENT:

Report Area	Total Population (Age 18+)	Total Adults Not Taking Blood Pressure Medication	% Adults Not Taking Medication
Luzerne County	254,202	39,310	15.5
Pennsylvania	9,857,384	1,828,367	18.5
United States	235,375,690	51,175,402	21.7

Data Source: Centers for Disease Control and Prevention, Behavioral Risk Factor Surveillance System. Additional data analysis by CARES. 2006-10. Source geography: County

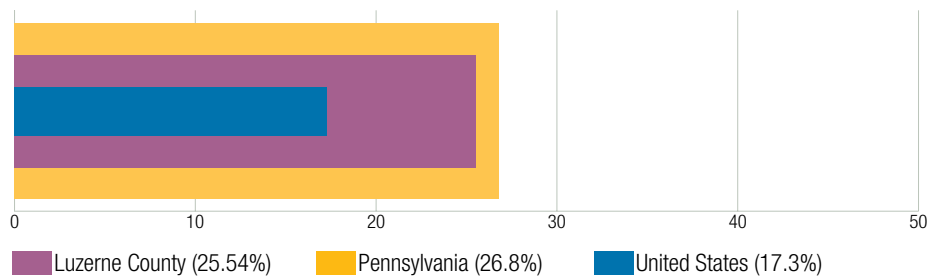


## ACCESS TO PRENATAL CARE

Percentage of women who do not obtain prenatal care during their first trimester of pregnancy.

Report Area	Total Births	Prenatal Care in First Trimester	Prenatal Care Not Reported	Late or No Prenatal Care	%, Late or No Prenatal Care
Luzerne County	12,846	8,907	3,281	658	25.54
Pennsylvania	589,741	391,570	157,982	40,189	26.80
United States	16,693,978	7,349,554	2,880,098	6,464,326	17.30

Data Source: Centers for Disease Control and Prevention, National Vital Statistics System. Accessed via CDC WONDER. Centers for Disease Control and Prevention, Wide-Ranging Online Data for Epidemiologic Research. 2007-10. Source geography: County

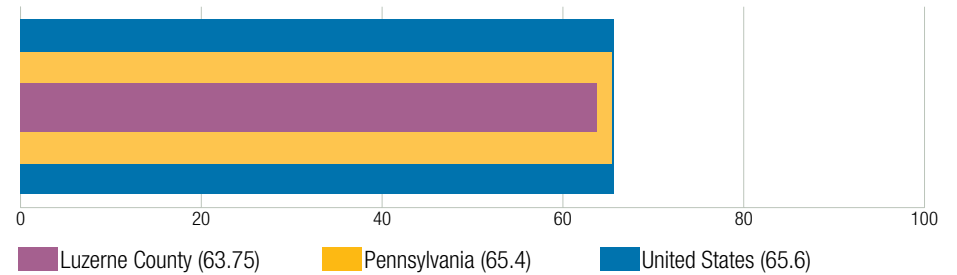


## ACCESS TO DENTISTS

Number of dentists per 100,000 population. This indicator includes all dentists, qualified as having a doctorate in dental surgery (DDS) or dental medicine (DMD), who are licensed by the state to practice dentistry and who are practicing within the scope of that license.

Report Area	Total Population, 2015	Dentists, 2015	Dentists, Rate per 100,000 Pop.
Luzerne County	318,449	203	63.75
Pennsylvania	12,802,503	8,368	65.40
United States	321,418,820	210,832	65.60

Data Source: US Department of Health & Human Services, Health Resources and Services Administration, Area Health Resource File. 2015. Source geography: County Dentists, Rate per 100,000 Pop.



25.5 percent of pregnant women in Luzerne County receive late or no prenatal care.



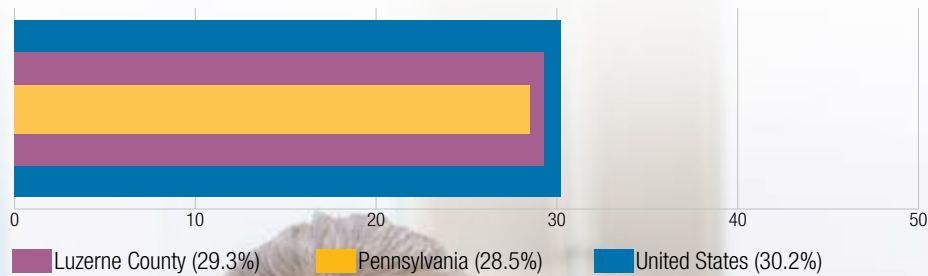
Access to dental care is noted as a need by focus group and interview participants. The high cost of dental care and long wait times leave people to live with pain due to the inability to pay for care. Some even go to the extreme of removing their own teeth. It is suggested to expand education on oral hygiene and other self-care topics in schools as parents are not always present to ensure children are practicing proper brushing and flossing.

## Dental Care Utilization

Percentage of adults age 18 and older who self-report they have not visited a dentist, dental hygienist or dental clinic within the past year.

Report Area	Total Population (Age 18+ )	Total Adults Without Recent Dental Exam	% Adults with No Dental Exam
Luzerne County	254,202	74,472	29.3
Pennsylvania	9,857,384	2,804,554	28.5
United States	235,375,690	70,965,788	30.2

Data Source: Centers for Disease Control and Prevention, Behavioral Risk Factor Surveillance System. Additional data analysis by CARES. 2006-10. Source geography: County

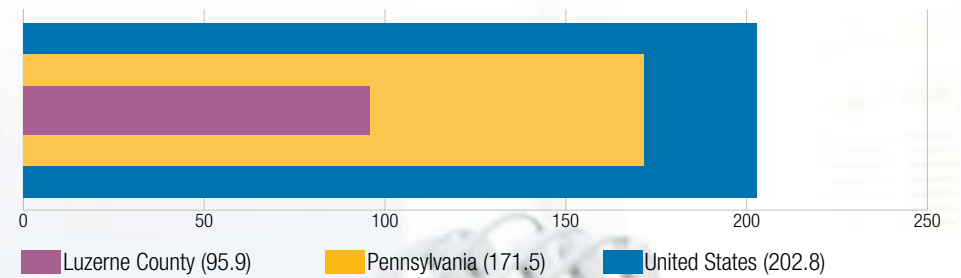


## ACCESS TO MENTAL HEALTH PROVIDERS

Rate of county population to number of mental health providers including psychiatrists, psychologists, clinical social workers and counselors who specialize in mental health care.

Report Area	Estimated Population	Number of Mental Health Providers	Mental Health Care Provider Per 100,000 Pop.
Luzerne County	318,816	306	95.9
Pennsylvania	12,782,379	21,927	171.5
United States	317,105,555	643,219	202.8

Data Source: University of Wisconsin Population Health Institute, County Health Rankings. 2018. Source geography: County



29.3 percent of adults in Luzerne County have not visited the dentist in the last year.



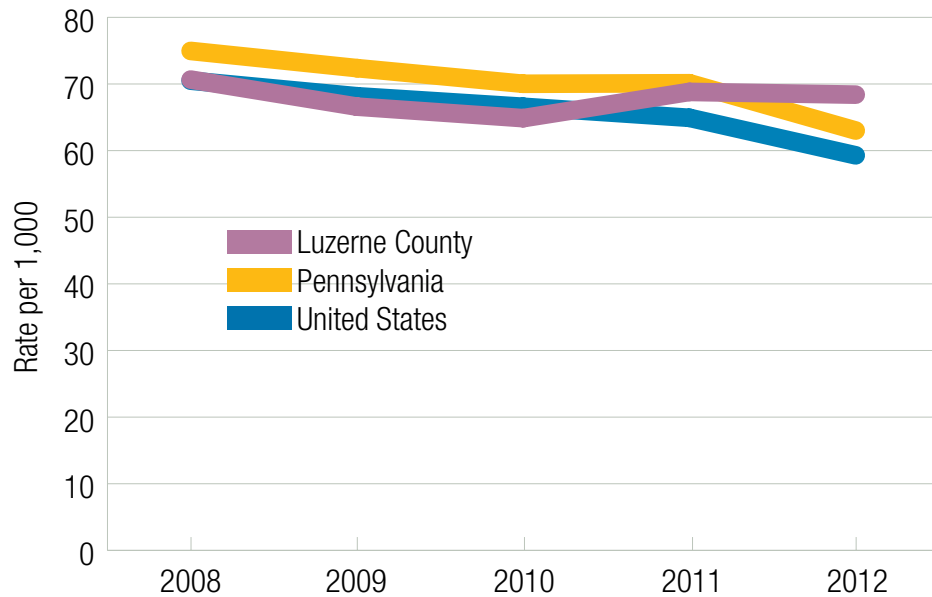
## PREVENTABLE HOSPITAL EVENTS

Discharge rate (per 1,000 Medicare enrollees) for conditions that are ambulatory care sensitive (ACS). ACS conditions include pneumonia, dehydration, asthma, diabetes and other conditions that could have been prevented if adequate primary care resources were available and accessed by those patients.

Report Area	Total Medicare Part A Enrollees	Ambulatory Care-Sensitive Condition Hospital Discharges	Ambulatory Care-Sensitive Condition Discharge Rate
Luzerne County	42,541	2,343	55.1
Pennsylvania	1,185,487	61,097	51.5
United States	29,649,023	1,479,545	49.9

Data Source: Dartmouth College Institute for Health Policy Clinical Practice, Dartmouth Atlas of Health Care. 2014. Source geography: County

### Rate of Ambulatory Care-Sensitive Condition Discharges (per 1,000 Medicare Part A Beneficiaries)



## HEALTH OUTCOMES

### OVERALL HEALTH OUTCOMES

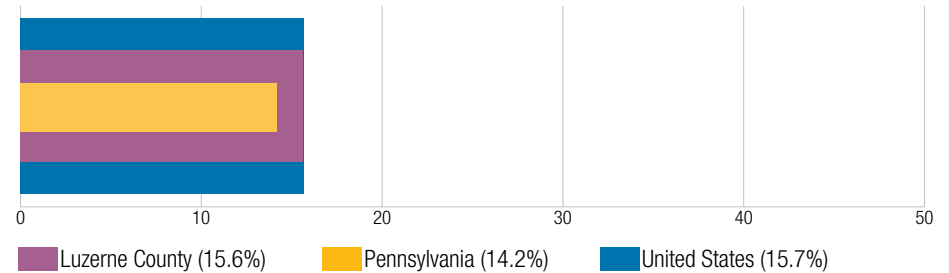
#### General Health

Within Luzerne County, 16 percent of adults age 18 and older self-report having poor or fair health in 2016. The highest-performing counties in the U.S. stand at 12 percent. In Luzerne County, community members report an average of 4.0 poor physical days per month, according to the County Health Rankings.

Percentage of adults age 18 and older who self-report having poor or fair health in response to the question: "Would you say that in general your health is excellent, very good, good, fair or poor?"

Report Area	Total Population Age 18+	Estimated Population with Poor or Fair Health	% Age-Adjusted
Luzerne County	255,090	44,386	15.6
Pennsylvania	9,857,384	1,518,037	14.2
United States	232,556,016	37,766,703	15.7

Data Source: CDC, Behavioral Risk Factor Surveillance System. Accessed via the Health Indicators Warehouse. US Department of Health & Human Services, Health Indicators Warehouse. 2006-12. Source: County

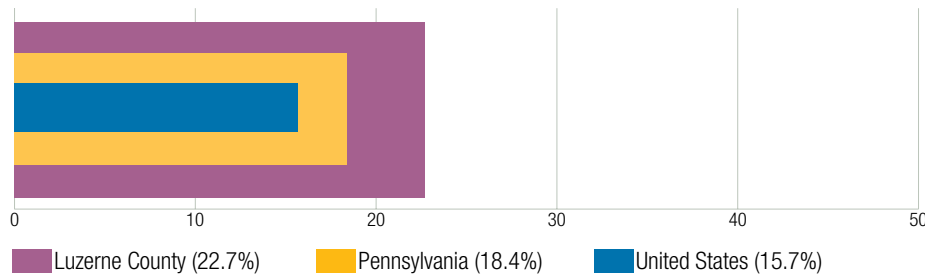


## DENTAL HEALTH

Percentage of adults age 18 and older who self-report six or more of their permanent teeth have been removed due to tooth decay, gum disease or infection.

Report Area	Total Population (Age 18+ )	Total Adults with Poor Dental Health	% Adults with Poor Dental Health
Luzerne County	254,202	57,706	22.7
Pennsylvania	9,857,384	1,814,547	18.4
United States	235,375,690	36,842,620	15.7

Data Source: Centers for Disease Control and Prevention, Behavioral Risk Factor Surveillance System. Additional data analysis by CARES. 2006-10. Source geography: County



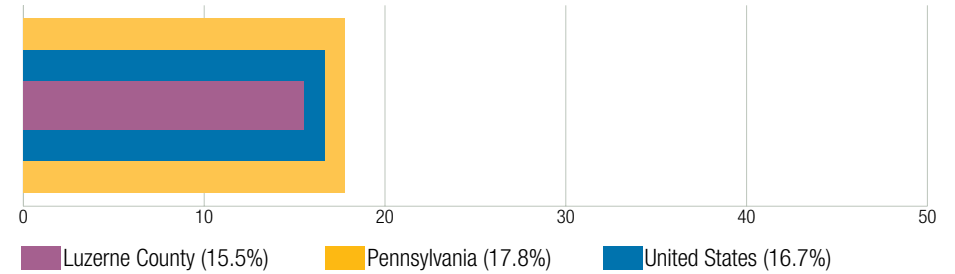
## MENTAL HEALTH

Individuals within Luzerne County report an average of 4.2 poor mental health days per month. The average for Pennsylvania was 4.3 days per month, according to the County Health Rankings (Centers for Disease Control and Prevention, Behavioral Risk Factor Surveillance System. Accessed via the University of Wisconsin RWJ County Health Rankings, 2016 County Estimates).

## Depression (Medicare Population)

Report Area	Total Medicare Fee-for-Service Beneficiaries	Beneficiaries with Depression	% with Depression
Luzerne County	50,999	7,925	15.5
Pennsylvania	1,381,208	245,323	17.8
United States	34,118,227	5,695,629	16.7

Data Source: Centers for Medicare and Medicaid Services. 2015. Source geography: County



22 percent of adults in Luzerne County report poor dental health. Individuals also report an average of 4.2 poor mental health days per month.



Participants feel that mental health issues cut across all areas of need in the community including the opioid crisis, crime and incarceration. They feel that there are not enough mental health resources in the community, which includes a lack of qualified providers and funding. One participant states, "You can't tell someone in the midst of a mental health issue that they have an appointment next month – t's too late." Some participants also say they would like to see the school system be more attuned to mental health needs of students.

## Pennsylvania Youth Survey (PAYS) Data

A total of 2,162 youth from nine middle and high schools in the Hazleton Area School District completed PAYS surveys. Some highlights of the findings from these surveys include:

- Most common early initiation/higher prevalence substance used was alcohol (43.1 percent of students in this district, compared to 43.3 percent at state level). Next most frequent drug used was marijuana, with 13.7 percent indicating lifetime use (compared to 17.7 percent at state level).
- E-cigarette/vaping 30-day use is higher than state averages with over 40 percent of 12th-graders responding positively to use in the last 30 days.
- Most frequent “other” antisocial behavior in Hazleton Area School District was “been suspended from school,” reported by 11.2 percent of students (compared to 7.5 percent at state level).

- 77.5 percent of students in this district reported participating in at least one pro-social activity, compared to 86.5 percent at state level.
- Overall, 24.8 percent of students in this district indicated experiencing bullying in the past 12 months (compared to 28.2 percent of students at state level). Students who indicated experiencing bullying in the past 12 months reported that “some other reason” (40.5 percent of students), “I don’t know why” (37.0 percent of students), and “the way I look [clothing, hairstyle, etc.]” (36.0 percent of students) were the most frequent reasons they were bullied.
- Most common depressed thought was “at times I think I am no good at all,” reported by 37.1 percent of students in this district. 42.2 percent of students reported they felt sad or depressed MOST days in the past 12 months. Overall, 15.0 percent of students had seriously considered attempting suicide, compared to 16.5 percent of students at state level.



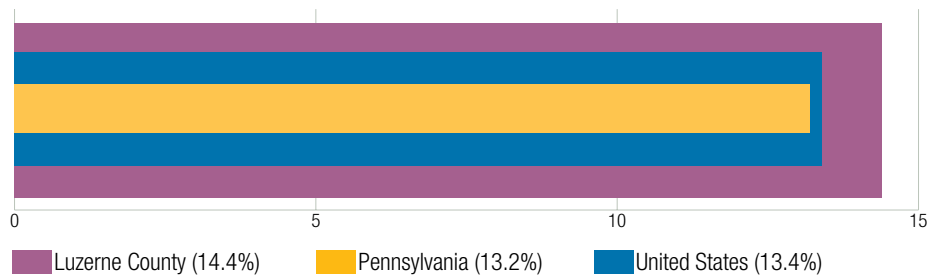
## CHRONIC CONDITIONS

### ASTHMA PREVALENCE

Percentage of adults age 18 and older who self-report they have ever been told by a doctor, nurse or other health professional they have asthma.

Report Area	Survey Population (Adults Age 18+)	Total Adults with Asthma	% Adults with Asthma
Luzerne County	238,850	34,350	14.4
Pennsylvania	9,780,692	1,293,643	13.2
United States	237,197,465	31,697,608	13.4

Data Source: Centers for Disease Control and Prevention, Behavioral Risk Factor Surveillance System. Additional data analysis by CARES. 2011-12. Source geography: County

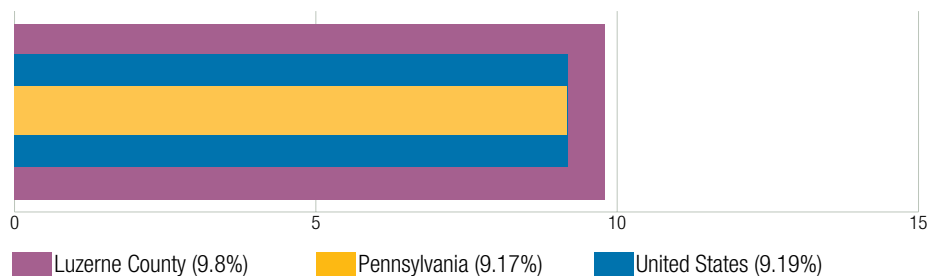


### DIABETES PREVALENCE

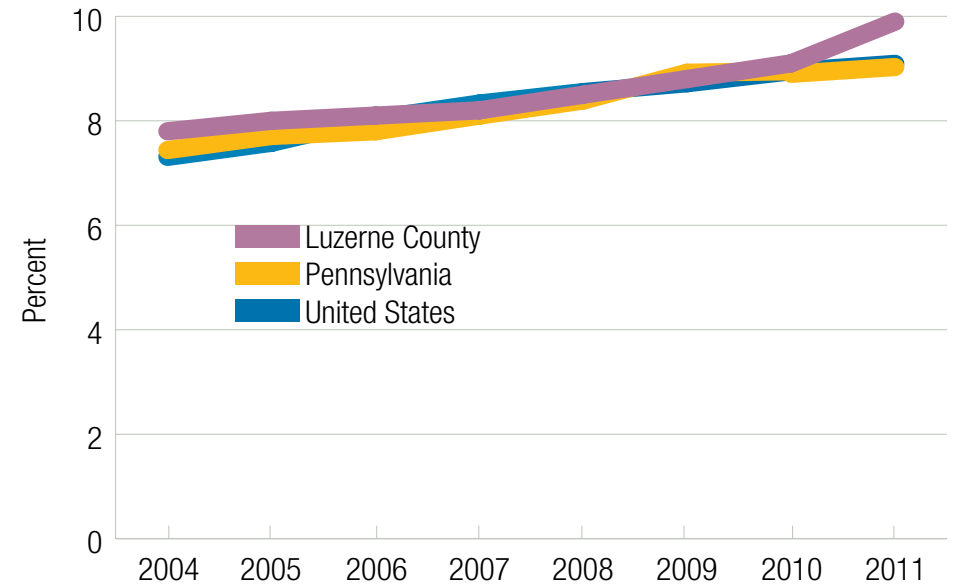
Percentage of adults age 20 and older who have ever been told by a doctor they have diabetes.

Report Area	Total Population Age 20+	Population with Diagnosed Diabetes	% Age-Adjusted
Luzerne County	248,530	29,078	9.80
Pennsylvania	9,702,557	1,028,685	9.17
United States	236,919,508	23,685,417	9.19

Data Source: Centers for Disease Control and Prevention, National Center for Chronic Disease Prevention and Health Promotion. 2013. Source geography: County



### Percent Adults with Diagnosed Diabetes by Year

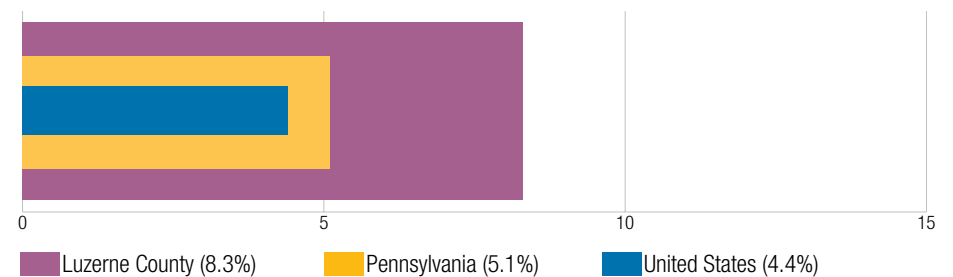


### HEART DISEASE PREVALENCE

Percentage of adults age 18 and older who self-report they have ever been told by a doctor they have coronary heart disease or angina.

Report Area	Survey Population (Adults Age 18+)	Total Adults with Heart Disease	% Adults with Heart Disease
Luzerne County	238,626	19,735	8.3
Pennsylvania	9,757,195	500,791	5.1
United States	236,406,904	10,407,185	4.4

Data Source: Centers for Disease Control and Prevention, Behavioral Risk Factor Surveillance System. Additional data analysis by CARES. 2011-12. Source geography: County

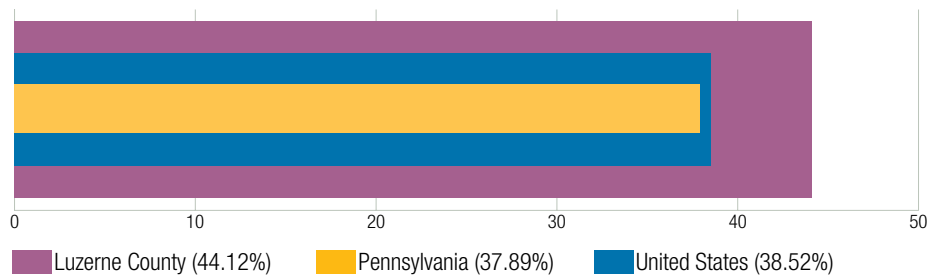


## HIGH CHOLESTEROL PREVALENCE

Percentage of adults age 18 and older who self-report they have ever been told by a doctor, nurse or other health professional they have high blood cholesterol.

Report Area	Survey Pop. (Adults Age 18+ )	Total Adults with High Cholesterol	% Adults with High Cholesterol
Luzerne County	216,178	95,368	44.12
Pennsylvania	7,669,036	2,906,160	37.89
United States	180,861,326	69,662,357	38.52

Data Source: Centers for Disease Control and Prevention, Behavioral Risk Factor Surveillance System. Additional data analysis by CARES. 2011-12. Source geography: County



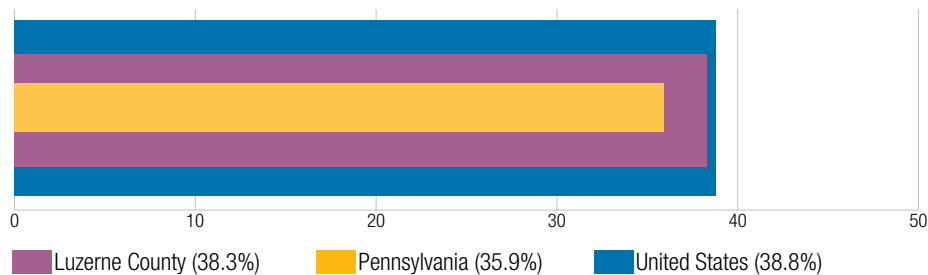
## OVERWEIGHT AND OBESITY

### Overweight

Body mass index (BMI) between 25.0 and 30.0 (overweight) in report area

Report Area	Survey Population (Adults Age 18+ )	Total Adults Overweight	% Adults Overweight
Luzerne County	227,289	86,967	38.3
Pennsylvania	9,320,559	3,350,133	35.9
United States	224,991,207	80,499,532	35.8

Data Source: Centers for Disease Control and Prevention, Behavioral Risk Factor Surveillance System. Additional data analysis by CARES. 2011-12. Source geography: County

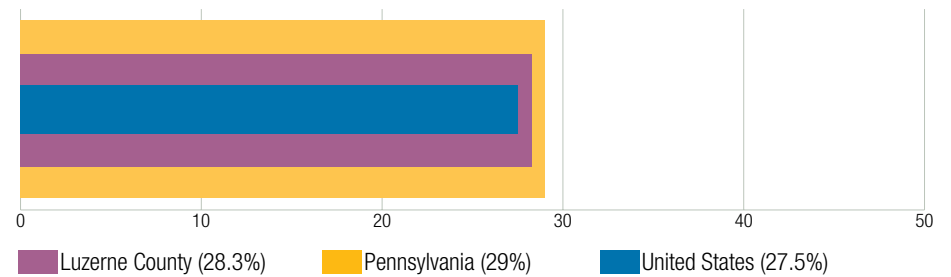


## Obesity

Body mass index (BMI) greater than 30.0 (obese) in report area

Report Area	Total Population Age 20+	Total Adults Obese	% Adults Obese
Luzerne County	248,751	71,889	28.3
Pennsylvania	9,696,134	2,844,376	29.0
United States	234,188,203	64,884,915	27.5

Data Source: Centers for Disease Control and Prevention, National Center for Chronic Disease Prevention and Health Promotion. 2013. Source geography: County



### Adults Obese (BMI > 30.0) by Gender

Report Area	Total Males Obese	% Males Obese	Total Females Obese	% Females Obese
Luzerne County	35,706	29.1	36,183	27.40
Pennsylvania	1,401,512	29.67	1,442,867	28.19
United States	32,051,606	27.92	32,833,321	27.06

Data Source: Centers for Disease Control and Prevention, National Center for Chronic Disease Prevention and Health Promotion. 2013. Source geography: County

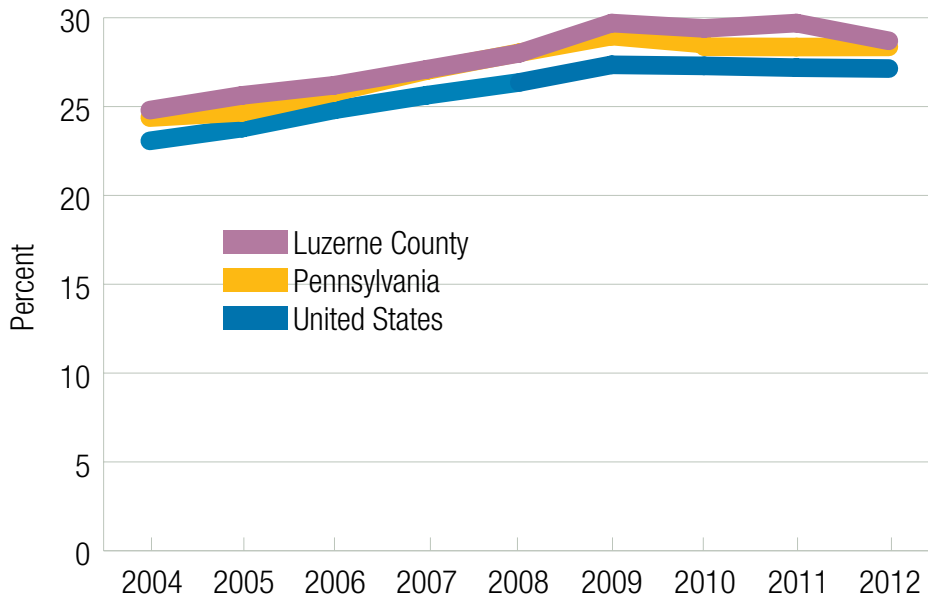


In Luzerne County, 10 percent of adults have been told they have diabetes, 14 percent have been told they have asthma, 8.3 percent have been told they have heart disease and 44 percent have high cholesterol.

38 percent of adults are overweight in the county and 28 percent are obese.



### Percent Adults Obese (BMI >30.0) by Year



8.4 percent of babies in Luzerne County are born at low birth weight, which is higher than the Health People 2020 goal.

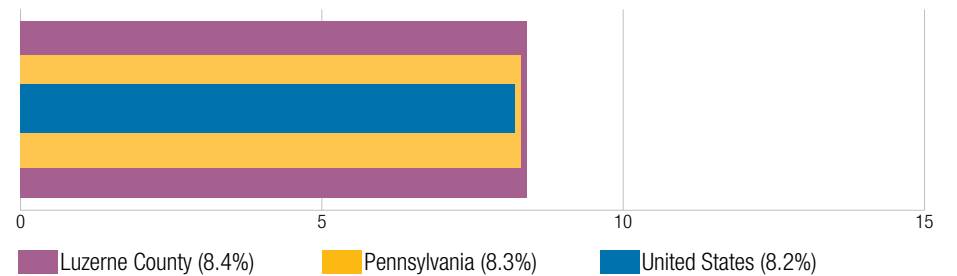
### BIRTH OUTCOMES

#### Low Birth Weight

Percentage of total births that are low birth weight (under 2,500g)

Report Area	Total Live Births	Low-Weight Births (Under 2500g)	Low-Weight Births, % of Total
Luzerne County	22,183	1,863	8.4
Pennsylvania	1,031,597	85,623	8.3
United States	29,300,495	2,402,641	8.2
HP 2020 Target		<= 7.8	

Data Source: US Department of Health Human Services, Health Indicators Warehouse, Centers for Disease Control and Prevention, National Vital Statistics System. Accessed via CDC WONDER, 2006-12. Source geography: County

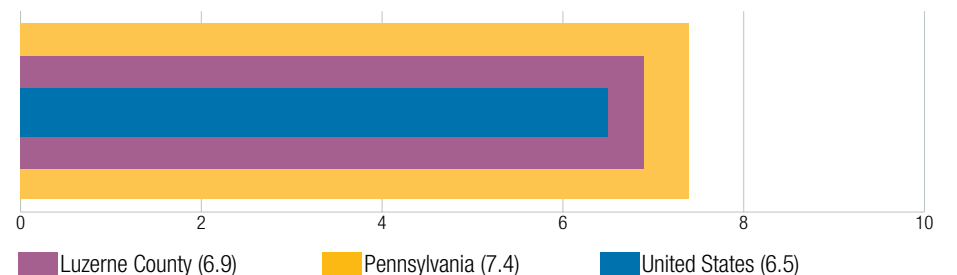


#### Infant Mortality

Rate of deaths to infants less than 1 year of age per 1,000 births

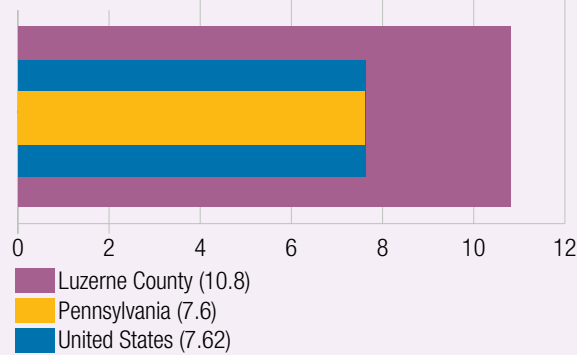
Report Area	Total Births	Total Infant Deaths	Infant Mortality Rate (Per 10,000 Births)
Luzerne County	16,080	111	6.9
Pennsylvania	733,495	5,428	7.4
United States	20,913,535	136,369	6.5
HP 2020 Target		<= 6.0	

Data Source: US Department of Health Human Services, Health Resources and Services Administration, Area Health Resource File. 2006-10. Source geography: County

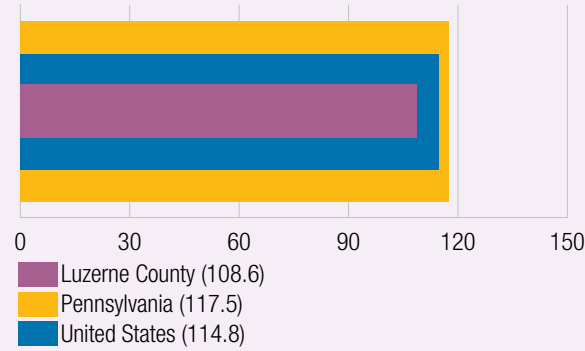


## ANNUAL CANCER INCIDENCE (RATE PER 100,000 POPULATION)

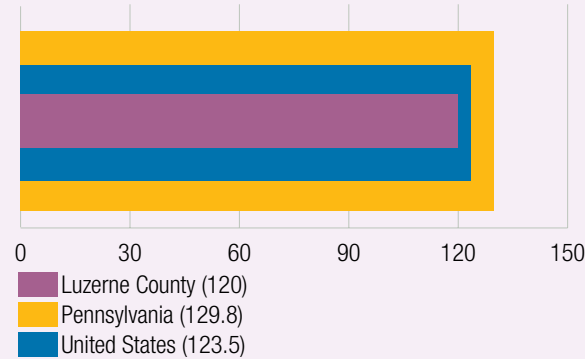
### CERVICAL CANCER



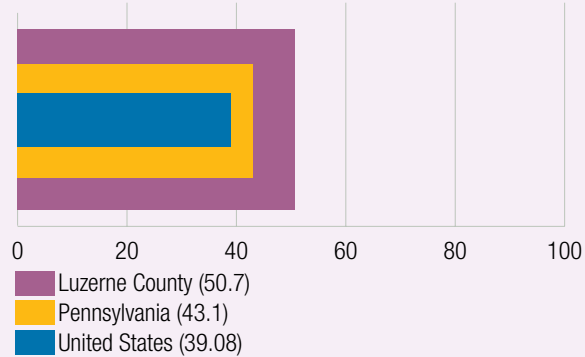
### PROSTATE CANCER



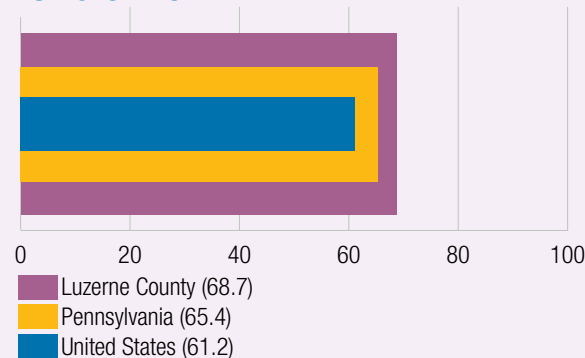
### BREAST CANCER



### COLON AND RECTUM CANCER



### LUNG CANCER



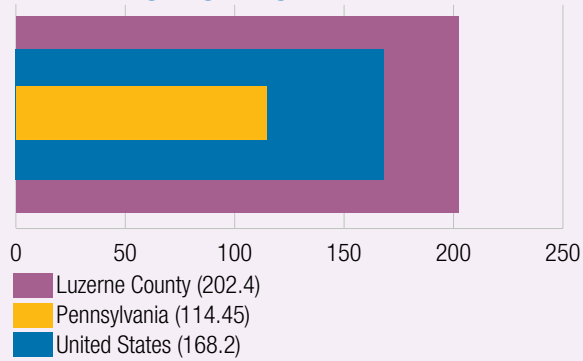
The most common types of cancer in Luzerne County are breast cancer and prostate cancer. The incidence of cervical, colon and lung cancer in Luzerne County are higher than the incidence rate of these types of cancer in the state or U.S.



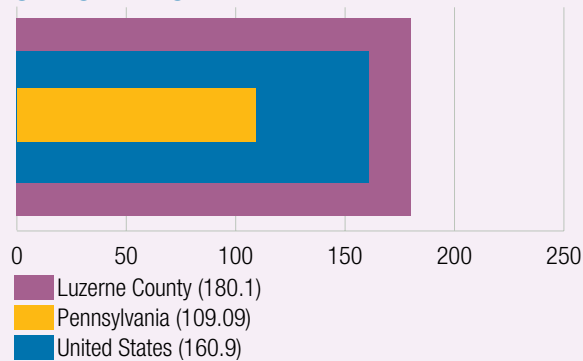
Participants in focus group and interviews identify a concern with the higher-than-average cancer incidence rate in Luzerne County and express a need for cancer prevention services as well as more cancer care. Participants highlight environmental factors such as working with carcinogenic chemicals, illegal dumping, radon and environmental damage from the region's coal-mining industry as potential causes of the increased incidence; health behaviors, such as smoking, contribute as well.

## LEADING CAUSES OF DEATH AGE-ADJUSTED DEATH RATE (PER 100,000 POPULATION)

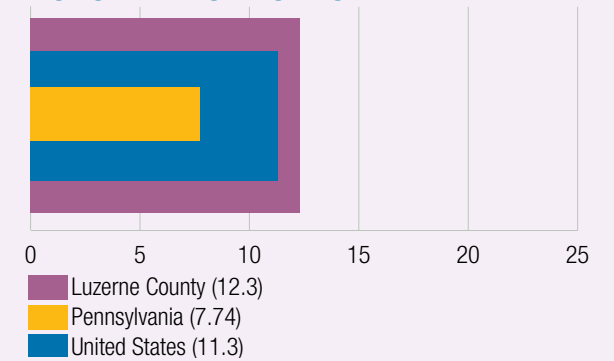
### HEART DISEASE MORTALITY



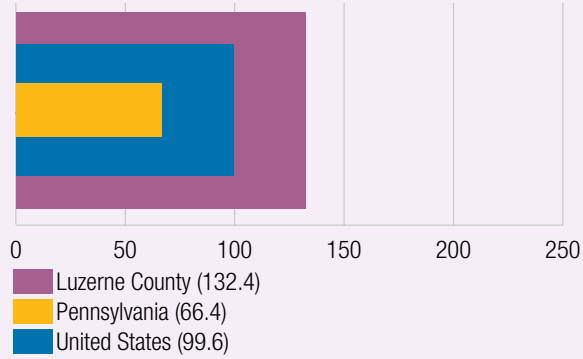
### CANCER MORTALITY



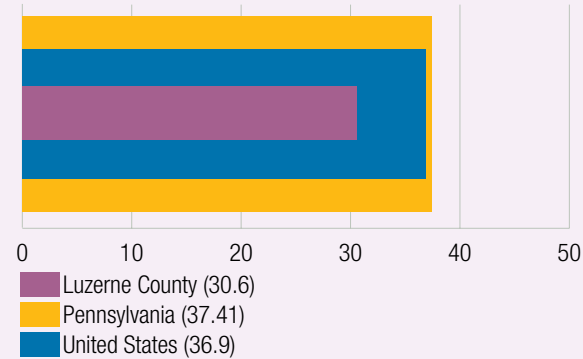
### MOTOR VEHICLE CRASH DEATH



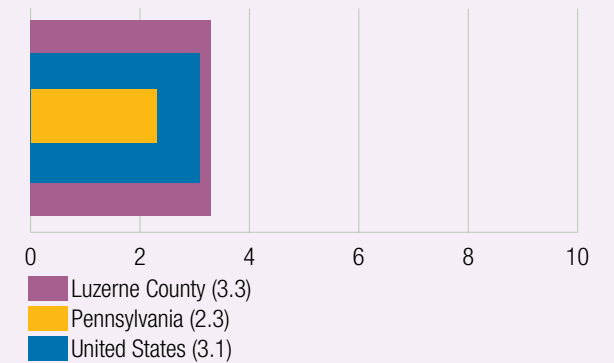
### CORONARY HEART DISEASE MORTALITY



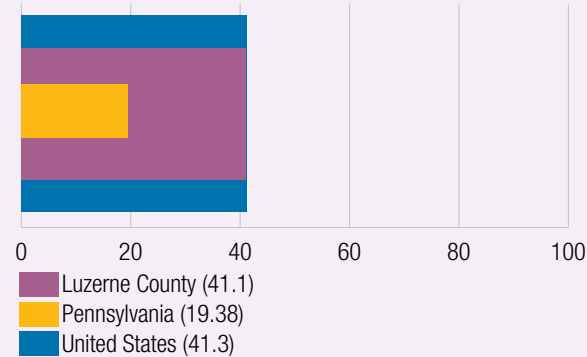
### STROKE MORTALITY



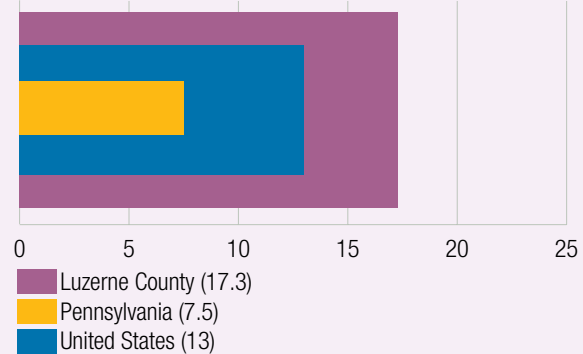
### PEDESTRIAN MOTOR VEHICLE CRASH DEATH



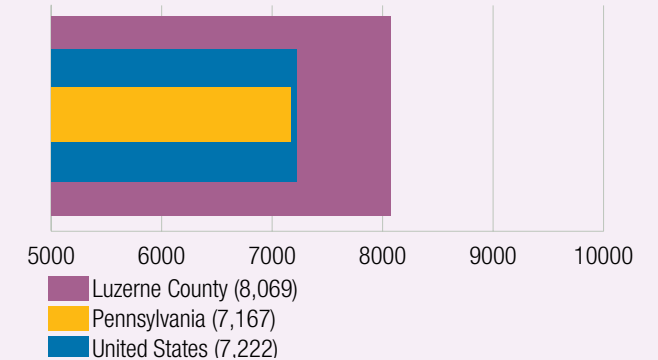
### LUNG DISEASE MORTALITY



### SUICIDE DEATH



### YEARS OF POTENTIAL LIFE LOST



## SUMMARY OF DATA

- A total of 29,474 people live in Hazleton and a total of 318,917 live in Luzerne County.
- Almost 19 percent of the population in Luzerne County is age 65 or older; 20 percent of the population age is 17 or younger.
- The median family income in Luzerne County is \$61,155; 65.3 percent of the population in the county is white.
- 10 percent of the population is Hispanic in Luzerne County. In the city of Hazleton, this percentage increases to 52.5 percent. Furthermore, 17 percent of the population in Hazleton speak a language other than English at home and speak English less than “very well.”
- In Hazleton, 25 percent of the population does not have a high school diploma and 12 percent has a bachelor’s degree or higher. 52 percent of fourth graders in Hazleton have “not proficient” or worse reading skills.
- 52.3 percent of individuals in Hazleton are living in poverty and 100 percent of children are eligible for free/reduced price lunch.
- 36.2 percent of the insured population in the city of Hazleton receive Medicaid. 21 percent of the larger county who receive Medicaid are uninsured.
- 18 percent of the population in Luzerne County receives SNAP benefits and 21 percent lack sufficient social or emotional support.
- In Luzerne County, there were 1,169 DUI/DWI cases in 2016. This represents a 3.18 percent increase in DUI/DWIs between 2011 and 2016. 22 percent in Luzerne County self-report heavy alcohol consumption.
- 26.4 percent of individuals in Luzerne County report no leisure time for physical activity.
- In Luzerne County, for every 10,000 adolescents in the community about 302 have had a baby. In the Hispanic population in Luzerne County, the rate increases to 710 adolescents giving birth for every 10,000 who identify as Hispanic.
- 36.6 percent of households in Hazleton spend 30 percent or more of household income on housing. 38 percent of housing units in Hazleton have at least one substandard condition.
- 7 percent of adults in Luzerne County lack a consistent primary care provider.
- 25.5 percent of pregnant women in Luzerne County receive late or no prenatal care.
- 29 percent of adults have not visited the dentist in the last year.
- 16 percent in Luzerne County report poor or fair health. Community members report an average of 4 poor physical days last month.
- 22 percent of adults in Luzerne County report poor dental health. Individuals also report an average of 4.2 poor mental health days per month.
- In Luzerne County, 10 percent of adults have been told they have diabetes, 14 percent have been told they have asthma, 8.3 percent have been told they have heart disease and 44 percent have high cholesterol.
- 38 percent of adults are overweight in the county and 28 percent are obese.
- 8.4 percent of babies in Luzerne County are born at low birth weight, which is higher than the Health People 2020 goal.
- The most common types of cancer in Luzerne County are breast cancer and prostate cancer but these rates are in line with Pennsylvania and the United States. Rate of cervical cancer and colon cancer are higher in Luzerne County than in Pennsylvania and the United States.
- Leading causes of death in Luzerne County are heart disease and cancer followed by coronary heart disease.
- Rates of suicide and deaths due to motor vehicle crashes in Luzerne County are higher than those in Pennsylvania and the United States. Lung disease mortality is also higher in Luzerne County than in Pennsylvania.



The leading causes of death in Luzerne County are heart disease and cancer followed by coronary heart disease.

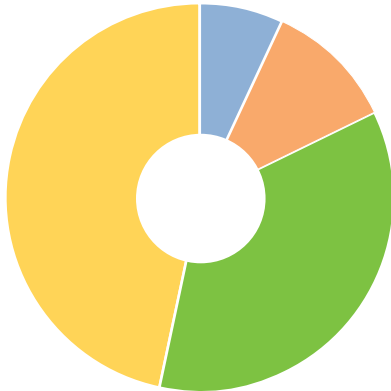
Rates of suicide and deaths due to motor vehicle crashes in Luzerne County are higher than those in Pennsylvania and the United States. Lung disease mortality is also higher in Luzerne County than in Pennsylvania.

Rate of overdose deaths in Luzerne County is 43.6 per 100,000 people. The largest number of overdose deaths are due to fentanyl and then heroin. Luzerne County’s rate is among the highest 25 percent in the state.

# LEHIGH VALLEY CANCER INSTITUTE COMMUNITY NEEDS SURVEY

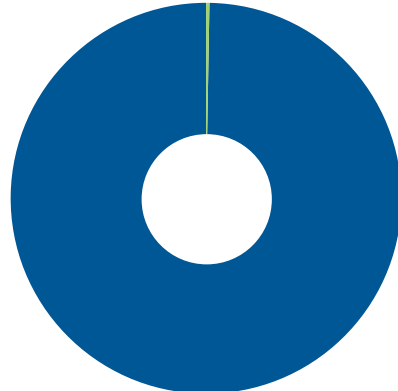
SURVEY – LUZERNE COUNTY N = 230

AGE



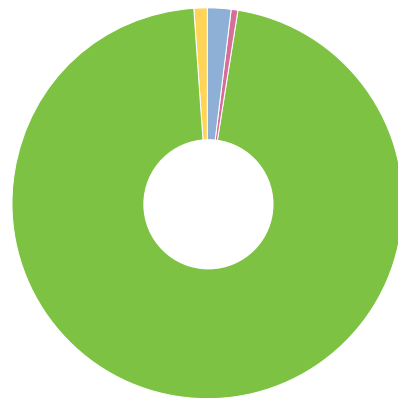
- 26-39 (7%)
- 40-49 (10.9%)
- 50-64 (35.7%)
- 65 and older (46.5%)

PRIMARY LANGUAGE



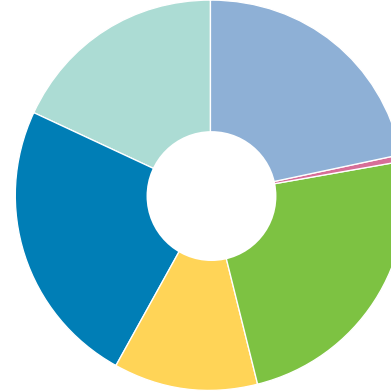
- English (99.6%)
- Other (0.4%)

RACE



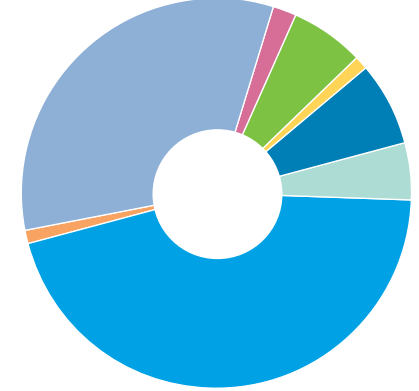
- Hispanic/Latino (2.2%)
- White (96.6%)
- Other (0.9%)
- Multiracial (0.4%)

EDUCATION LEVEL



- Less than high school (0.4%)
- High School/GED (24%)
- Some college, no degree (24%)
- Associate's Degree (12%)
- Bachelor's Degree (18%)
- Graduate or Prof. Degree (22%)

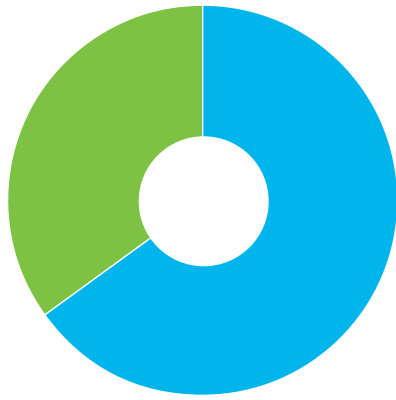
EMPLOYMENT STATUS



- Homemaker full-time (5.1%)
- Retired (45.4%)
- Employed full-time (32.8%)
- Employed part-time (6.1%)
- Self employed full-time (1.7%)
- Self employed part-time (0.9%)
- Unemployed < one year (0.9%)
- Not working because of illness or injury (7%)

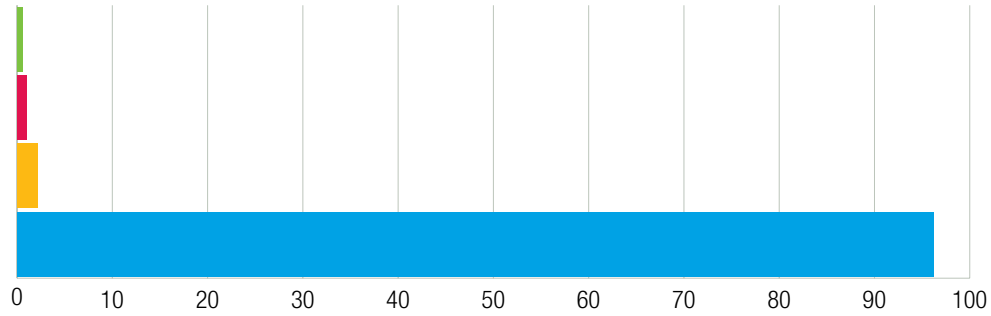


### GENDER IDENTITY



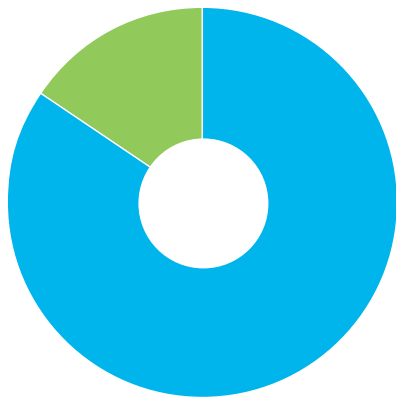
- Male (34.8%)
- Female (65.2%)

### SEXUAL ORIENTATION



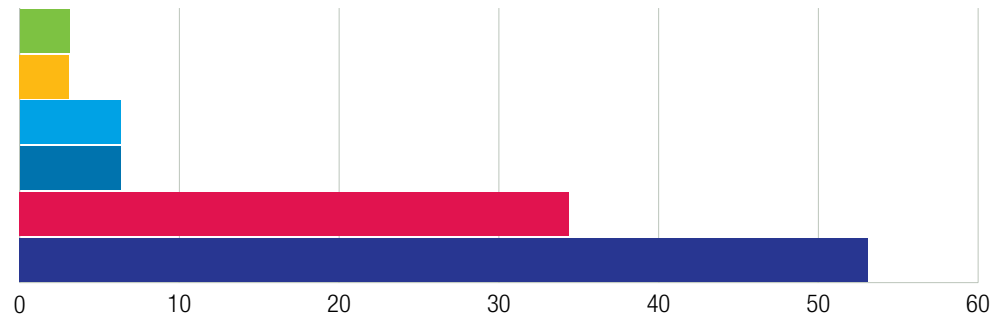
- Bisexual (0.4%)
- Prefer not to disclose (3.5%)
- Lesbian or Gay (1.3%)
- Straight not Lesbian or Gay (94.7%)

### MILITARY VETERAN



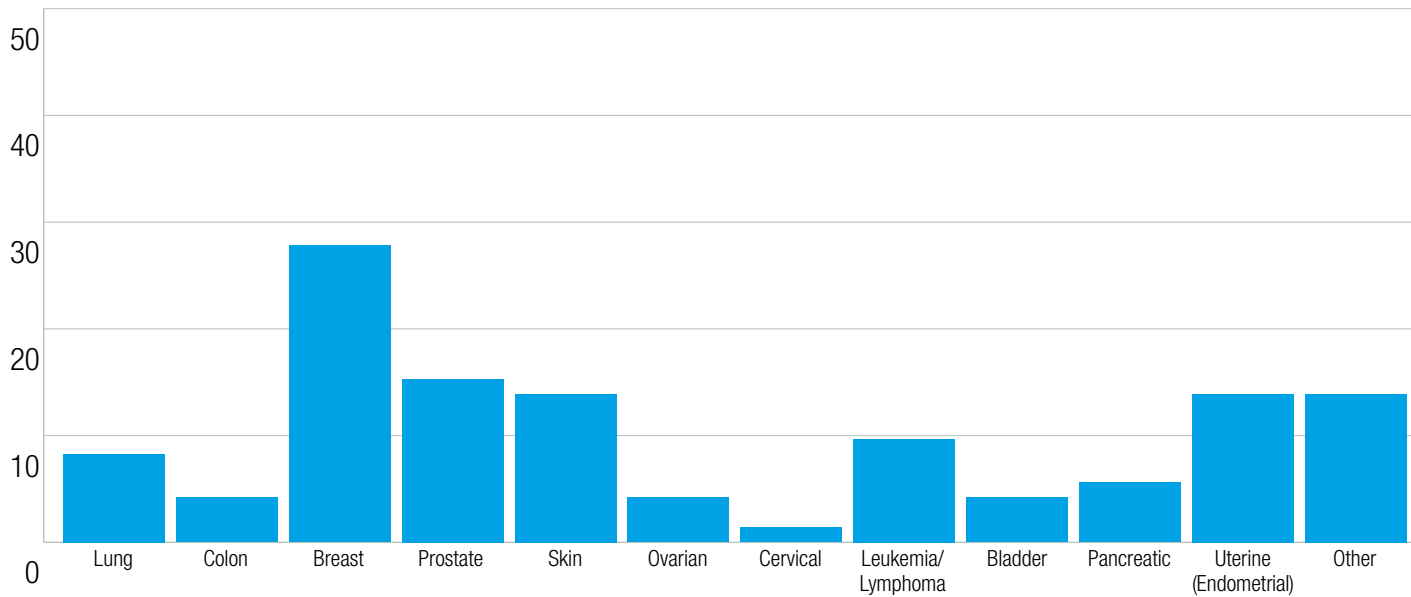
- Yes (15.3%)
- No (84.7%)

### MILITARY DEPLOYMENT



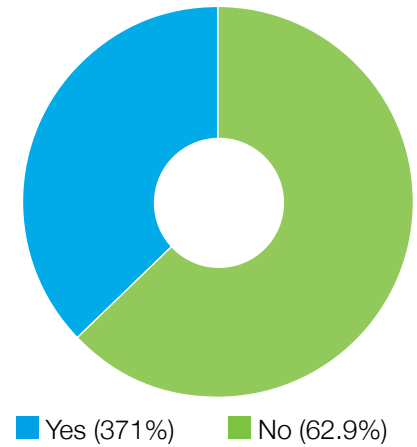
- Iraq War (3.1%)
- Persian Gulf War (3.1%)
- Operation Enduring Freedom (6.3%)
- Other (6.3%)
- Vietnam War (34.4%)
- None of these (53.1%)

## INDIVIDUALS WITH AT LEAST ONE PREVIOUS CANCER DIAGNOSIS

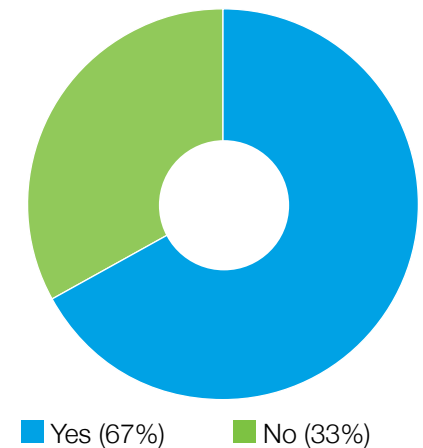


- Among respondents, 8.6% (N = 20) have had someone talk to them about genetic counseling.
- 30.4% (N = 70) have had a family member receive hospice care for cancer.
- 13% (N = 30) had a family member receive palliative care.
- 49.5% (N = 114) said they would consider participating in a clinical trial.
- 94.6% (N = 127) of women over the age of 40 reported ever having a mammogram done.
- Among male respondents (N = 80) 23.8% always practice testicular self-exams, 42.5% practice sometimes, and 32.5% never practice self-exams.
- Respondents reported having been screened for some type of cancer, including skin (28%), cervical (30.7%), prostate (18.2%), oral (13.3%) and lung (10.2%).
- The most common reason respondents did not get a screening was they did not know they needed a screening (N = 40). Other reasons included not having a provider, lack of transportation, fear of possible results and lack of access to a screening.

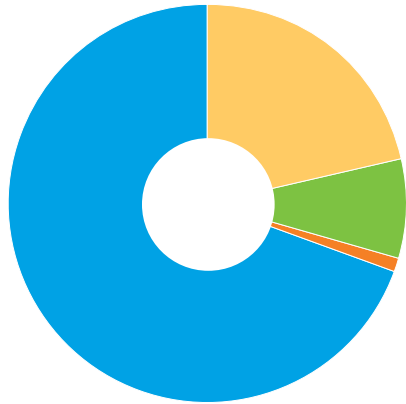
## ARE YOU BEING TREATED RIGHT NOW?



## HAS ANYONE IN YOUR IMMEDIATE FAMILY HAD CANCER?



**IMPORTANCE OF CANCER SCREENINGS TO YOUR HEALTH**



- Very Important (69.2%)
- Important (21.6%)
- Somewhat Important (7.9%)
- Not Important (1.3%)

**FREQUENCY OF APPLYING SUNSCREEN BEFORE OUTDOOR ACTIVITIES**

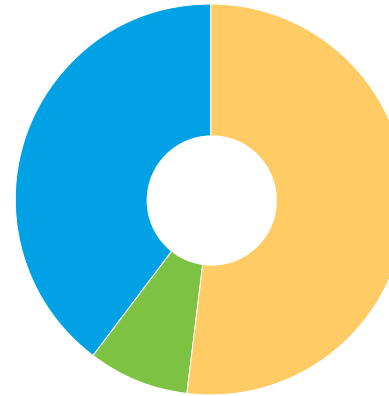


- Always (20.9%)
- Sometimes (63.9%)
- Somewhat Important (15.2%)

**TOBACCO USE  
CIGARETTES N = 15 OTHER N = 4**

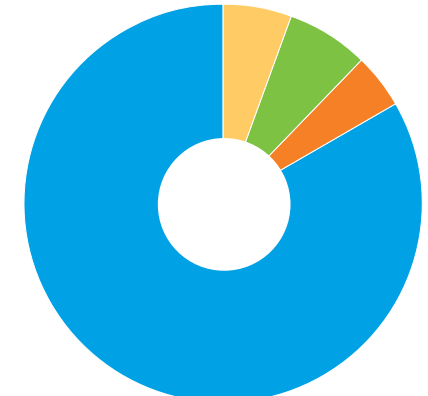
- 100% of current users use these products daily.
- 72.7% (N = 165) are never exposed to smoke or vapor in their home.

**ARE YOU A CURRENT OR FORMER TOBACCO USER?  
(N = 228)**



- Yes, I am a current user (8.3%)
- Yes, I am a former user (39.5%)
- No, I have never used these products (52.2%)

**HOW LONG AGO DID YOU QUIT USING TOBACCO PRODUCTS?  
(N = 90)**



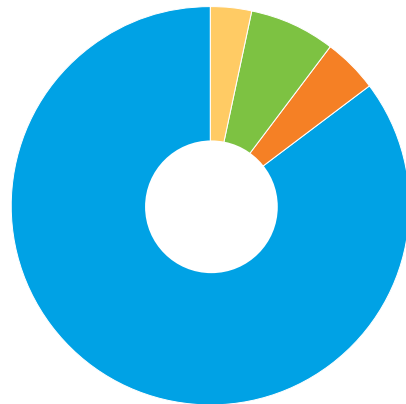
- Within the last year (4.4%)
- More than 1–3 years ago (5.6%)
- More than 3–5 years ago (6.7%)
- More than 5 years ago (83.3%)

**FREQUENCY OF EXERCISING FOR 30 MINUTES OR MORE AT A TIME**



- Daily (23.5%)
- 1–2 times a week (38.3%)
- 1–2 times a month (17.4%)
- Never (20.9%)

**FREQUENCY OF HAVING TEETH CLEANED**



- Every year (85%)
- Every 2 years (7%)
- More than 5 years (3.5%)
- Don't know (4.4%)

**HOW MANY TIMES DURING THE PAST 30 DAYS DID YOU HAVE 2 OR MORE DRINKS IN AN EVENING?**

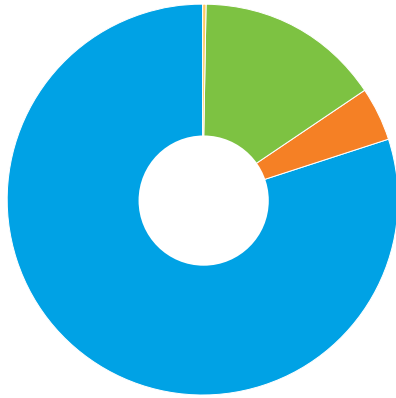


- Never (57.2%)
- 1–5 (29.3%)
- 6–10 (4.8%)
- More than 10 (8.7%)

PERCENT OF RESPONDENTS AWARE OF CANCER INSTITUTE SERVICES	N = 159
Treatment options (surgery, chemotherapy, radiation therapy)	67.9%
Complimentary valet parking	42.1%
Hospice	40.9%
Nutrition counseling	37.7%
Pain management clinic	35.8%
Support group	34.6%
Cancer clinical trials (prevention and treatment)	34.0%
Social work	31.4%
Financial counseling	20.1%
Genetic counseling	20.1%
Limited transportation service	19.5%
Interpreter services	19.5%
Pastoral services	18.9%
Patient educators	18.2%
Classes (preparing for breast surgery)	16.4%
Patient navigators	16.4%
Online cancer fact sheets	15.1%
Psychosocial counseling	11.9%
Complementary therapies (Reiki, acupuncture)	5.7%

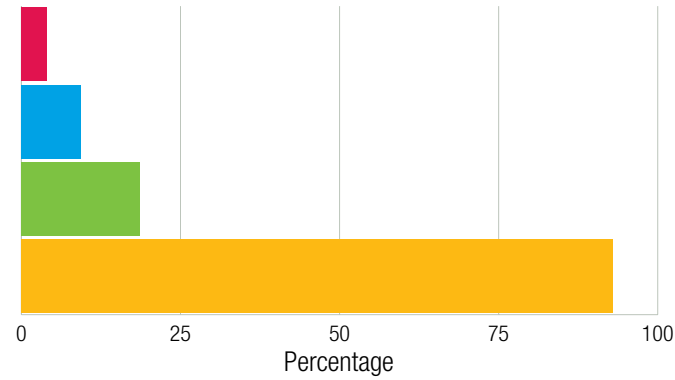
- 74.6% of respondents (N = 170) had not been immunized against HPV. 14.5% (N = 33) were unsure. 5.7% (N = 13) received the immunization.
- 35.1% (N = 80) were immunized against hepatitis B, while 44.3% (N = 101) were not. 18.9% (N = 43) did not know whether they received it.
- Of respondents with children age 11-26 (N = 66) 48% said their children were not immunized against HPV. 44% said their children were immunized. 7.5% said they were unsure.
- 71% of respondents (N = 149) rely on their medical providers for obtaining medical information. 46.7% (N = 98) rely on the internet, 42.4% (N = 89) rely on family and friends, and 22.9% (N = 48) rely on TV for their information.
- 18% of respondents (N = 42) come in contact with one or more of the following: asbestos, pesticides, solvents, benzene, formaldehyde. 39% of those said this is related to their profession.

### WHEN WAS YOUR LAST PHYSICAL EXAM?



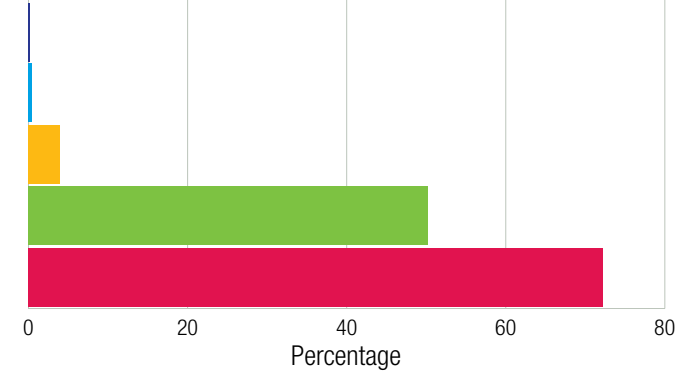
- Less than one year (80%)
- 1-3 years (15.2%)
- More than 3 years (4.3%)
- Never had a physical (.5%)

### TO WHICH HEALTH CARE LOCATIONS DO YOU USUALLY GO WHEN YOU ARE SICK OR NEED ADVICE ABOUT YOUR HEALTH?



- Internet/Online Visit (4%)
- Hospital Emergency Dept. (9.3%)
- Urgent Care (18.7%)
- Doctor's Office (92.9%)

### WHAT TYPE OF HEALTH INSURANCE DO YOU CURRENTLY HAVE?



- Veterans Coverage (.035%)
- Medicaid (4%)
- No insurance (0.4%)
- Private (72.2%)
- Medicare (50.2%)

When asked, "Have you ever chosen NOT to fill a prescription because the medication was too expensive?" 21.8% (N = 50) said yes, but not often. 7.9% (N = 18) said yes, often.

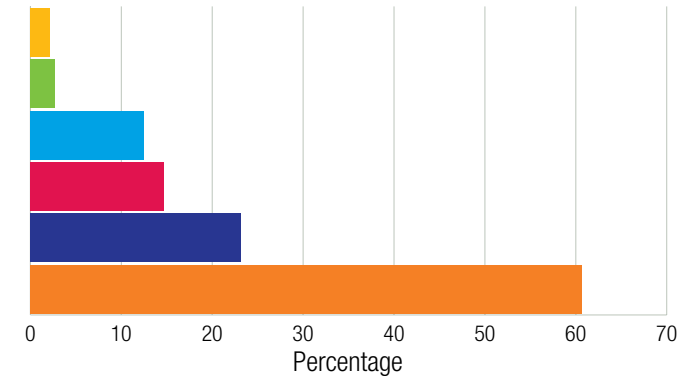
51.7% of respondents (N = 119) said that they would be interested in using complementary, integrative, alternative medicine offered by LVHN.

27% of those surveyed (N = 62) use complementary, alternative, or integrative services or products.

Of those, 38% (N = 21) said those services were recommended by their doctor.

The top five utilized services were chiropractic (74.1%), massage (44.8%), relaxation techniques (34.5%), aromatherapy (29.3%) and herbs (27.6%).

### WHAT IS THE BIGGEST OBSTACLE YOU FACE WHEN ACCESSING HEALTH CARE?



- No transportation (2.2%)
- No insurance (2.7%)
- Not sure what's available (12.5%)
- Location of services (14.7%)
- Time/scheduling (23.2%)
- N/A (60.7%)



