



2016

DRIVE YOUR COUNTY TO THE
TOP TEN

INFORMING • CONNECTING • ACCELERATING

Knox County

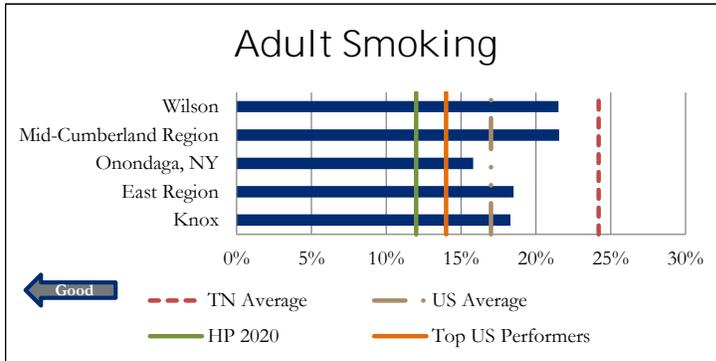
TN

Department of
Health

Demographics

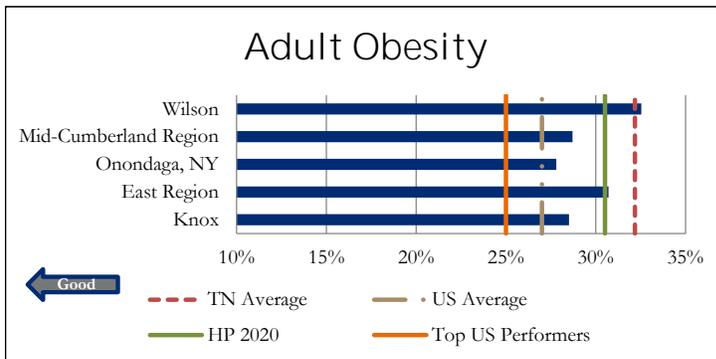
Population:	448,644	<18 YOA:	21.46%	65+ YOA:	14.48%
Unemployment:	5.48%	% Females:	51.40%	% Males:	48.60%
Single parent households:	29.28%	MHI:	\$47,199		

% Rural:	10.90%
Graduation Rate:	87.55%



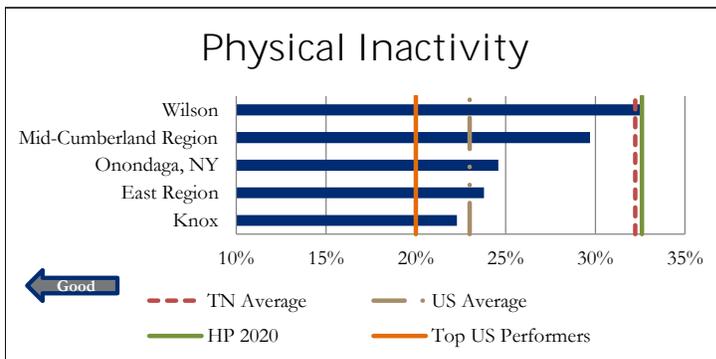
Top Third

Measure	Value
Mental Health Providers	303:1
Some College	70.40%
Poor Physical Health Days	4.30
Adult Obesity	28.70%
Teen Births	31.09
Primary Care Physicians	895:1
Preventable Hospital Stays	45.07
Poor or Fair Health	19.10%
Poor Mental Health Days	4.40
Long Commute - Driving Alone	22.80%



Middle Third

Measure	Value
Low Birthweight	8.59%
Driving Alone to Work	85.00%
Alcohol-Impaired Driving Deaths	33.33%
Food Environment Index	6.70
Severe Housing Problems	14.68%



Bottom Third

Measure	Value
Excessive Drinking	12.40%
Violent Crime	541.68
Sexually Transmitted Infections	418.07
Income Inequality	4.87
High School Graduation	87.55%



Tennessee's Big 3 + 1

Why were these charts selected? The "Big 3 + 1" directly influences at least six of the top ten leading causes of death in Tennessee, and also directly influence other public health threats, such as heart disease, cancer, and diabetes. Overall, the Big Three plus One influences two-thirds of the factors that contribute to Tennessee's overall rank.

Comparative Counties:

Each graph provides the Tennessee county with its respective region and three non-Tennessee comparative counties from around the US based on county-level demographics. The vertical lines represent: the TN Average, the US Average, Top US Performers (top 10%) and the Healthy People 2020 (HP) Goal. For all measures a decrease (shift left) in percentage represents improvement.

YOA: Years of Age. MHI: Median Household Income. HP 2020: Healthy People 2020 Goal. Adult Smoking: Percentage of adults who are current smokers. Source: Behavioral Risk Factor Surveillance System; 2006-2012. Adult Obesity: Percentage of adults that report a BMI of 30 or more. Source: CDC Diabetes Interactive Atlas; 2011. Physical Inactivity: Percentage of adults aged 20 and over reporting no leisure-time physical activity. Source: CDC Diabetes Interactive Atlas; 2011. Prepared by the Division of Administrative Services, Tennessee Department of Health. Nashville, TN. admin.health@tn.gov or 615-741-5001.

Health Outcomes	Length of Life	Rank	5th Ranked	Value	5th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
		<p>Premature Death</p> <p>10 Fayette 7735.80 7190.80 545.00 ↑Bad ↓Good 6,600.00 Lehigh, PA 6184.00</p> <p><i>Years of potential life lost before age 75 per 100,000 population (age-adjusted)</i></p> <p>For every 100 people in the county, 1 people in the county need to live one year closer to age 75.</p> <p>Dauphin, PA 6827.70</p> <p>Source National Center for Health Statistics - Mortality files Year(s) 2011-2013 Onondaga, NY 5908.20</p>								
Quality of Life	Poor or Fair Health*	Rank	5th Ranked	Value	5th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
		<p>6 Robertson 19.10% 18.60% 0.50% ↑Bad ↓Good 18.00% Lehigh, PA 16.30%</p> <p><i>Percentage of adults reporting fair or poor health (age-adjusted)</i></p> <p>Improve the health of 1 out of every 100 people in the county who, in general, report being in poor or fair health.</p> <p>Dauphin, PA 15.50%</p> <p>Source Behavioral Risk Factor Surveillance System Year(s) 2014 Onondaga, NY 12.70%</p>								
Quality of Life	Poor Physical Health Days*	Rank	1st Ranked	Value	1st Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
		<p>5 Williamson 4.30 3.40 0.90 ↑Bad ↓Good 3.8 Lehigh, PA 3.80</p> <p><i>Average number of physically unhealthy days reported in past 30 days (age-adjusted)</i></p> <p>Engage people in the county on ways to reduce number of poor physical health days reported by residents by 1 days per month.</p> <p>Dauphin, PA 3.70</p> <p>Source Behavioral Risk Factor Surveillance System Year(s) 2014 Onondaga, NY 3.40</p>								
Quality of Life	Poor Mental Health Days*	Rank	1st Ranked	Value	1st Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
		<p>6 Williamson 4.40 3.80 0.60 ↑Bad ↓Good 2.8 Lehigh, PA 3.90</p> <p><i>Average number of mentally unhealthy days reported in past 30 days (age-adjusted)</i></p> <p>Engage people in the county on ways to reduce number of poor physical health days reported by residents by 1 days per month.</p> <p>Dauphin, PA 4.00</p> <p>Source Behavioral Risk Factor Surveillance System Year(s) 2014 Onondaga, NY 3.60</p>								
Quality of Life	Low Birthweight	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
		<p>42 Pickett 8.59% 7.24% 1.34% ↑Bad ↓Good 8.00% Lehigh, PA 8.23%</p> <p><i>Percentage of live births with low birthweight (< 2500 grams)</i></p> <p>Reduce the number of low birth weight babies by 2 for every 100 live births.</p> <p>Dauphin, PA 9.13%</p> <p>Source National Center for Health Statistics - Natality files Year(s) 2007-2013 Onondaga, NY 7.79%</p>								
Health Factors	Health Behaviors	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
		<p>15 Humphreys 21.50% 21.10% 0.40% ↑Bad ↓Good 17.00% Lehigh, PA 18.30%</p> <p><i>Percentage of adults who are current smokers</i></p> <p>Get 2 out of every 100 current adult smokers in the county to quit smoking.</p> <p>Dauphin, PA 18.50%</p> <p>Source Behavioral Risk Factor Surveillance System Year(s) 2014 Onondaga, NY 15.80%</p>								
Health Behaviors	Adult Obesity	Rank	1st Ranked	Value	1st Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
		<p>5 Williamson 28.70% 27.20% 1.50% ↑Bad ↓Good 27.00% Lehigh, PA 28.50%</p> <p><i>Percentage of adults that report a BMI of 30 or more</i></p> <p>Get 6 out of every 100 current obese adults in the county to reduce their BMI below 30.</p> <p>Dauphin, PA 30.70%</p> <p>Source CDC Diabetes Interactive Atlas Year(s) 2012 Onondaga, NY 27.80%</p>								
Health Behaviors	Food Environment Index	Rank	5th Ranked	Value	5th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
		<p>62 Cannon 6.70 7.9 1.2 ↑Good ↓Bad 7.20 Lehigh, PA 8.10</p> <p><i>Index of factors that contribute to a healthy food environment, 0 (worst) to 10 (best)</i></p> <p>Increase the county's food index score by 1.2.</p> <p>Dauphin, PA 6.80</p> <p>Source USDA Food Environment Atlas, Map the Meal Gap Year(s) 2013 Onondaga, NY 7.60</p>								

Prepared by the Division of Administrative Services, Tennessee Department of Health, Nashville, TN. May 2016. admin.health@tn.gov or 615-741-9398. The full report can be accessed at: <http://tn.gov/health/topic/specialreports>. All data is from the University of Wisconsin Population Health Institute and Robert Wood Johnson Foundation's, 2015 *County Health Rankings and Roadmaps* report. Difference statements represent the absolute value using the following formula: ["Value" - "10th Ranked Value"]. *The action statements are based on the assumption that no new additional cases occur. **Data should not be compared with prior years due to changes in definition/methods. **All rankings and action statements presented in this report must be interpreted with caution due to various limitations of each measurement. Further information with regards to the strengths and limitations of each measurement may be found by clicking the hyperlink found in the description of each measurement.**

Health Factors		Health Behaviors		Physical Inactivity							Peer County		Peer Value	
				Rank	5th Ranked	Value	5th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value		
Percentage of adults aged 20 and over reporting no leisure-time physical activity		7	Chester	29.70%	29.40%	0.30%	↑Bad ↓Good	23.00%	Lehigh, PA	22.30%				
		Get 2 out of every 100 currently physically inactive adults to exercise during leisure time.							Dauphin, PA	23.80%				
		Source		CDC Diabetes Interactive Atlas			Year(s)		2012	Onondaga, NY	24.60%			
		Access to Exercise Opportunities		Rank	5th Ranked	Value	5th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value		
Percentage of population with adequate access to locations for physical activity		8	Sevier	79.46%	82.47%	3.01%	↑Good ↓Bad	84.00%	Lehigh, PA	87.46%				
		Consider how to remove barriers to access exercise locations to reach an additional 3.01 percent of the county's population.							Dauphin, PA	89.56%				
		Source		Business Analyst, Delorme, ESRI, & US Census Tigerline Files			Year(s)		2010 & 2014	Onondaga, NY	90.47%			
		Excessive Drinking		Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value		
Percentage of adults reporting binge or heavy drinking		84	Benton	12.40%	10.60%	1.80%	↑Bad ↓Good	17.00%	Lehigh, PA	17.10%				
		Get 15 out of every 100 adults in the county that currently drink to excess (binge and heavy drinkers) to stop drinking more than one (women) or two (men) drinks per day on average.							Dauphin, PA	17.30%				
		Source		Behavioral Risk Factor Surveillance System			Year(s)		2014	Onondaga, NY	18.90%			
		Alcohol-Impaired Driving Deaths		Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value		
Percentage of driving deaths with alcohol involvement		59	Sullivan	33.33%	19.17%	14.17%	↑Bad ↓Good	31.00%	Lehigh, PA	29.68%				
		Reduce the number of alcohol related driving deaths by 14.17 percent.							Dauphin, PA	31.16%				
		Source		Fatality Analysis Reporting System			Year(s)		2010-2014	Onondaga, NY	30.00%			
		Sexually Transmitted Infections		Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value		
Number of newly diagnosed chlamydia cases per 100,000 population		75	Overton	418.07	153.22	264.85	↑Bad ↓Good	446.60	Lehigh, PA	389.59				
		Consider ways to educate 7 out of every 10 persons self-reporting to be involved in any sexual contact to commit to using safe sex practices to prevent the infection of Chlamydia.							Dauphin, PA	556.99				
		Source		National Center for HIV/AIDS, Viral Hepatitis, STD, & TB Prevention			Year(s)		2013	Onondaga, NY	516.87			
		Teen Births		Rank	1st Ranked	Value	1st Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value		
Teen birth rate per 1,000 female population, ages 15-19		5	Williamson	31.09	10.96	20.13	↑Bad ↓Good	35.00	Lehigh, PA	33.40				
		For every 100 teenage females (ages 15 to 19 years) in the county, consider ways to prevent 65 teen(s) from becoming pregnant.							Dauphin, PA	37.54				
		Source		National Center for Health Statistics - Natality files			Year(s)		2007-2013	Onondaga, NY	26.07			
		Uninsured		Rank	5th Ranked	Value	5th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value		
Percentage of population under age 65 without health insurance		8	Tipton	14.02%	13.87%	0.15%	↑Bad ↓Good	17.00%	Lehigh, PA	13.03%				
		Get 2 out of every 100 currently uninsured adults ages 18-64 to obtain health insurance.							Dauphin, PA	11.98%				
		Source		Small Area Health Insurance Estimates			Year(s)		2013	Onondaga, NY	10.52%			
		Primary Care Physicians		Rank	1st Ranked	Value	1st Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value		
Ratio of population to primary care physicians		5	Washington	895:1	618:1	277	↑Bad ↓Good	1320:1	Lehigh, PA	1063:1				
		To reach a population-to-provider ratio at or exceeding that of the 1st ranking county, 62 primary care providers would need to be recruited to the county. More importantly, if the county's value is greater than 3,500, this county would be considered a Health Professional Shortage Area.							Dauphin, PA	1007:1				
		Source		Area Health Resource File/American Medical Association			Year(s)		2013	Onondaga, NY	1034:1			
		Dentists		Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value		
Ratio of population to dentists		12	Dickson	1773:1	1744:1	29	↑Bad ↓Good	1540:1	Lehigh, PA	1173:1				
		To reach a population-to-provider ratio at or exceeding that of the 10th ranking county, 2 dental care providers would need to be recruited to the county. More importantly, if the county's value is greater than 5,000, this county would be considered a Health Professional Shortage Area.							Dauphin, PA	1475:1				
		Source		Area Health Resource File/National Provider Identification file			Year(s)		2014	Onondaga, NY	1381:1			

Health Factors	Clinical Care	Mental Health Providers		Rank	1st Ranked	Value	1st Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
		1	Knox	303:1	303:1	0	↑Bad ↓Good	490:1	Lehigh, PA	598:1		
		No action required.										
		Source		CMS, National Provider Identification file			Year(s)		2015	Onondaga, NY	490:1	
		Preventable Hospital Stays		Rank	1st Ranked	Value	1st Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
		5	Cumberland	45.07	38.43	6.64	↑Bad ↓Good	54.00	Lehigh, PA	56.47		
		For every 100 Medicare enrollees, prevent 1 Medicare enrollees from being hospitalized for ambulatory-care sensitive conditions.										
		Source		Dartmouth Atlas of Health Care			Year(s)		2013	Onondaga, NY	49.53	
		Diabetic Monitoring		Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
		15	Giles	89.06%	89.20%	0.14%	↑Good ↓Bad	63.00%	Lehigh, PA	86.77%		
		For every 100 diabetic Medicare enrollees, get 1 additional Medicare enrollees to receive HbA1c screening.										
		Source		Dartmouth Atlas of Health Care			Year(s)		2013	Onondaga, NY	90.80%	
		Mammography Screening		Rank	5th Ranked	Value	5th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
		8	Cumberland	66.00%	71.00%	5.00%	↑Good ↓Bad	63.00%	Lehigh, PA	65.00%		
		For every 100 female Medicare enrollees, get 5 additional Medicare enrollees to receive their mammography screening.										
		Source		Dartmouth Atlas of Health Care			Year(s)		2013	Onondaga, NY	71.00%	
		High School Graduation		Rank	1st Ranked	Value	1st Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
		69	Tipton	87.55%	98.00%	10.45%	↑Good ↓Bad	82.00%	Lehigh, PA	83.63%		
		For every 100 ninth graders, assist 11 additional ninth graders to graduate within four years.										
		Source		EDFacts			Year(s)		2012-2013	Onondaga, NY	79.18%	
		Some College		Rank	1st Ranked	Value	1st Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
		2	Williamson	70.40%	82.51%	12.11%	↑Good ↓Bad	64.00%	Lehigh, PA	62.36%		
		For every 100 adults between 25-44 years of age, assist 13 additional adults to complete some coursework at the collegiate level.										
		Source		American Community Survey			Year(s)		2010-2014	Onondaga, NY	70.10%	
		Unemployment		Rank	5th Ranked	Value	5th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
		8	Sumner	5.48%	5.28%	0.20%	↑Bad ↓Good	6.20%	Lehigh, PA	6.04%		
		For every 100 persons ages 16 years and older, help 1 persons successfully find employment.										
		Source		Bureau of Labor Statistics			Year(s)		2014	Onondaga, NY	5.57%	
		Children in Poverty		Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
		20	Dickson	23.00%	21.10%	1.90%	↑Bad ↓Good	22.00%	Lehigh, PA	19.50%		
		For every 100 children (under 18 years) in poverty, help 9 children to find assistance to get out of poverty.										
		Source		Small Area Income and Poverty Estimates			Year(s)		2014	Onondaga, NY	23.70%	
		Income Inequality		Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
		71	Houston	4.87	4.11	0.76	↑Bad ↓Good	4.70	Lehigh, PA	4.50		
		To reach a household income ratio at or below that of the 10th ranking county reduce the gap between the 80th percentile and 20th percentile by 1 household(s).										
		Source		American Community Survey			Year(s)		2010-2014	Onondaga, NY	4.98	

Health Factors	Social & Economic Factors	Children in Single-Parent Households	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
		Percentage of children that live in a household headed by single parent	27	Lawrence	29.28%	23.36%	5.91%	↑Bad ↓Good	34.00%	Lehigh, PA	36.22%
		For every 100 single parent households in the county, investigate ways to encourage 21 households to be a multi-parent household.							Dauphin, PA	40.42%	
		Source	American Community Survey				Year(s)	2010-2014	Onondaga, NY	37.35%	
Social Associations	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value		
	30	Johnson	12.39	16.13	3.74	↑Good ↓Bad	9.00	Lehigh, PA	10.81		
Number of membership associations per 10,000 population	For every 100 people in the county, increase the number of membership associations by 1.							Dauphin, PA	18.90		
	Source	County Business Patterns				Year(s)	2013	Onondaga, NY	10.57		
Violent Crime	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value		
Number of reported violent crime offenses per 100,000 population	80	Carter	541.68	206.33	335.35	↑Bad ↓Good	392.00	Lehigh, PA	268.69		
	For every 100 persons in the county, prevent 62 people from committing a violent crime.							Dauphin, PA	509.90		
	Source	Uniform Crime Reporting - FBI				Year(s)	2010-2012	Onondaga, NY	357.06		
Injury Deaths	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value		
Number of deaths due to injury per 100,000 population	15	Washington	73.84	70.04	3.80	↑Bad ↓Good	60.00	Lehigh, PA	64.72		
	For every 1,000 population consider ways to prevent 52 deaths as a result of intentional and unintentional injury.							Dauphin, PA	56.52		
	Source	CDC WONDER mortality data				Year(s)	2009-2013	Onondaga, NY	55.21		
Air Pollution - Particulate Matter	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value		
Average daily density of fine particulate matter in micrograms per cubic meter (PM2.5)	22	Greene	13.34	13.14	0.20	↑Bad ↓Good	11.40	Lehigh, PA	11.88		
	Reduce the average daily measure of fine particulate matter by 0.2 micrograms per cubic meter (PM2.5).							Dauphin, PA	12.6		
	Source	CDC WONDER Environmental data				Year(s)	2011	Onondaga, NY	11.97		
Drinking Water Violations	Rank	1st Ranked	Value	1st Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value		
Percentage of population potentially exposed to water exceeding a violation limit during the past year	No Rank	NA	No	No	NA	NA	NA	Lehigh, PA	Yes		
	There were no health-based drinking water violations.							Dauphin, PA	Yes		
	Source	Safe Drinking Water Information System				Year(s)	FY2013-14	Onondaga, NY	No		
Severe Housing Problems	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value		
Percentage of households with at least 1 of 4 housing problems: overcrowding, high housing costs, or lack of kitchen or plumbing facilities	62	Unicoi	14.68%	11.70%	2.98%	↑Bad ↓Good	19.00%	Lehigh, PA	16.83%		
	For every 100 persons in the county experiencing housing problems, help 21 person(s) to find housing assistance.							Dauphin, PA	13.66%		
	Source	Comprehensive Housing Affordability Strategy (CHAS) data				Year(s)	2008-2012	Onondaga, NY	15.13%		
Driving Alone to Work	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value		
Percentage of the workforce that drives alone to work	50	Grundy	85.00%	80.27%	4.74%	↑Bad ↓Good	76.00%	Lehigh, PA	80.68%		
	For every 100 persons that currently drive alone to work, convince 6 to carpool or take mass-transportation.							Dauphin, PA	81.08%		
	Source	American Community Survey				Year(s)	2010-2014	Onondaga, NY	79.75%		
Long Commute - Driving Alone	Rank	5th Ranked	Value	5th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value		
Among workers who commute in their car alone, the percentage that commute more than 30 minutes	6	Hamblen	22.80%	22.00%	0.80%	↑Bad ↓Good	31.00%	Lehigh, PA	28.20%		
	For every 100 persons that currently drive more than 30 minutes alone to work, convince 4 to carpool or take mass-transportation.							Dauphin, PA	23.20%		
	Source	American Community Survey				Year(s)	2010-2014	Onondaga, NY	17.30%		

Health Factors

Social & Economic Factors

Physical Environment