2016

DRIVE YOUR COUNTY TO THE
TOP TEN

INFORMING • CONNECTING • ACCELERATING
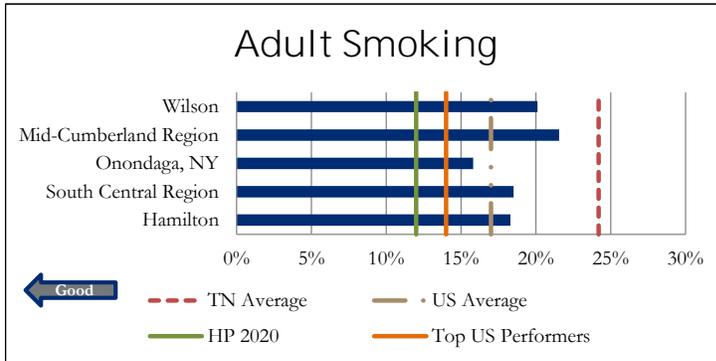
Hamilton County

TN Department of
**Health**

Demographics

Population:	351,220	**<18 YOA:**	21.16%	**65+ YOA:**	16.00%	**% Rural:**	10.00%
Unemployment:	6.32%	**% Females:**	51.80%	**% Males:**	48.20%	**Graduation Rate:**	85.00%
Single parent households:	35.98%	**MHI:**	$48,380				

Adult Smoking

Wilson
Mid-Cumberland Region
Onondaga, NY
South Central Region
Hamilton

0% 5% 10% 15% 20% 25% 30%

Good

- - - TN Average   • • US Average
—— HP 2020   —— Top US Performers

Adult Obesity

Wilson
Mid-Cumberland Region
Onondaga, NY
South Central Region
Hamilton

10% 15% 20% 25% 30% 35%

Good

- - - TN Average   • • US Average
—— HP 2020   —— Top US Performers

Physical Inactivity

Wilson
Mid-Cumberland Region
Onondaga, NY
South Central Region
Hamilton

10% 15% 20% 25% 30% 35%

Good

- - - TN Average   • • US Average
—— HP 2020   —— Top US Performers

Top Third

Measure	Value
Adult Smoking	20.10%
Dentists	1416:1
Primary Care Physicians	974:1
Access to Exercise Opportunities	81.49%
Preventable Hosptial Stays	48.42
Some College	65.56%
Poor or Fair Health	19.30%
Poor Physical Health Days	4.40
Mental Health Providers	573:1
Physical Inactivity	30.00%
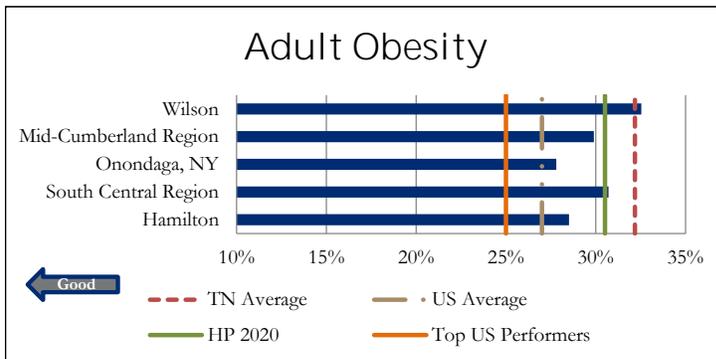
Middle Third

Measure	Value
Air Pollution - Particulate Matter	13.49
Alcohol-Impaired Driving Deaths	31.84%
Excessive Drinking	11.80%
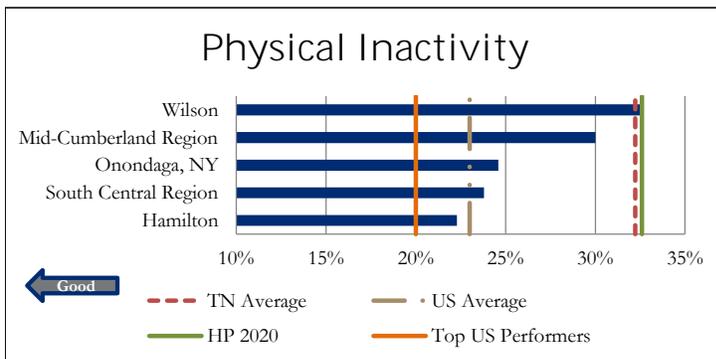
Bottom Third

Measure	Value
Violent Crime	635.92
Sexually Transmitted Infections	552.75
Low Birthweight	10.39%
Food Environment Index	6.20
Severe Housing Problems	16.19%
Income Inequality	4.99
Children in Single-Parent Households	35.98%
High School Graduation	85.00%
Diabetic Monitoring	84.45%

Tobacco Use   Obesity   Physical Inactivity   Substance Abuse

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.

Health Outcomes

Length of Life

Premature Death

Years of potential life lost before age 75 per 100,000 population (age-adjusted)

	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
	14	Knox	8132.10	7735.80	396.30	↑Bad ↓Good	6,600.00	Lehigh, PA	6184.00
	For every 100 people in the county, 1 people in the county need to live one year closer to age 75.							Dauphin, PA	6827.70
Source	National Center for Health Statistics - Mortality files				Year(s)		2011-2013	Onondaga, NY	5908.20

Quality of Life

Poor or Fair Health*

Percentage of adults reporting fair or poor health (age-adjusted)

	Rank	5th Ranked	Value	5th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
	8	Robertson	19.30%	18.60%	0.70%	↑Bad ↓Good	18.00%	Lehigh, PA	16.30%
	Improve the health of 1 out of every 100 people in the county who, in general, report being in poor or fair health.							Dauphin, PA	15.50%
Source	Behavioral Risk Factor Surveillance System				Year(s)		2014	Onondaga, NY	12.70%

Poor Physical Health Days*

Average number of physically unhealthy days reported in past 30 days (age-adjusted)

	Rank	5th Ranked	Value	5th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
	8	Knox	4.40	4.30	0.10	↑Bad ↓Good	3.8	Lehigh, PA	3.80
	Engage people in the county on ways to reduce number of poor physical health days reported by residents by 1 days per month.							Dauphin, PA	3.70
Source	Behavioral Risk Factor Surveillance System				Year(s)		2014	Onondaga, NY	3.40

Poor Mental Health Days*

Average number of mentally unhealthy days reported in past 30 days (age-adjusted)

	Rank	1st Ranked	Value	1st Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
	16	Williamson	4.50	3.80	0.70	↑Bad ↓Good	2.8	Lehigh, PA	3.90
	Engage people in the county on ways to reduce number of poor physical health days reported by residents by 1 days per month.							Dauphin, PA	4.00
Source	Behavioral Risk Factor Surveillance System				Year(s)		2014	Onondaga, NY	3.60

Low Birthweight

Percentage of live births with low birthweight (< 2500 grams)

	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
	85	Pickett	10.39%	7.24%	3.15%	↑Bad ↓Good	8.00%	Lehigh, PA	8.23%
	Reduce the number of low birth weight babies by 4 for every 100 live births.							Dauphin, PA	9.13%
Source	National Center for Health Statistics - Natality files				Year(s)		2007-2013	Onondaga, NY	7.79%

Health Factors

Health Behaviors

Adult Smoking*

Percentage of adults who are current smokers

	Rank	1st Ranked	Value	1st Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
	4	Williamson	20.10%	16.20%	3.90%	↑Bad ↓Good	17.00%	Lehigh, PA	18.30%
	Get 20 out of every 100 current adult smokers in the county to quit smoking.							Dauphin, PA	18.50%
Source	Behavioral Risk Factor Surveillance System				Year(s)		2014	Onondaga, NY	15.80%

Adult Obesity

Percentage of adults that report a BMI of 30 or more

	Rank	5th Ranked	Value	5th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
	10	Knox	29.90%	28.70%	1.20%	↑Bad ↓Good	27.00%	Lehigh, PA	28.50%
	Get 5 out of every 100 current obese adults in the county to reduce their BMI below 30.							Dauphin, PA	30.70%
Source	CDC Diabetes Interactive Atlas				Year(s)		2012	Onondaga, NY	27.80%

Food Environment Index

Index of factors that contribute to a healthy food environment, 0 (worst) to 10 (best)

	Rank	5th Ranked	Value	5th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
	84	Cannon	6.20	7.9	1.7	↑Good ↓Bad	7.20	Lehigh, PA	8.10
	Increase the county's food index score by 1.7.							Dauphin, PA	6.80
Source	USDA Food Environment Atlas, Map the Meal Gap				Year(s)		2013	Onondaga, NY	7.60

Health Factors

Health Behaviors

Physical Inactivity

Percentage of adults aged 20 and over reporting no leisure-time physical activity

Rank	5th Ranked	Value	5th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
9	Chester	30.00%	29.40%	0.60%	↑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

Percentage of population with adequate access to locations for physical activity

Rank	5th Ranked	Value	5th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
7	Sevier	81.49%	82.47%	0.98%	↑Good ↓Bad	84.00%	Lehigh, PA	87.46%
Consider how to remove barriers to access exercise locations to reach an additional 0.98 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

Percentage of adults reporting binge or heavy drinking

Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
63	Benton	11.80%	10.60%	1.20%	↑Bad ↓Good	17.00%	Lehigh, PA	17.10%
Get 11 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

Percentage of driving deaths with alcohol involvement

Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
57	Sullivan	31.84%	19.17%	12.67%	↑Bad ↓Good	31.00%	Lehigh, PA	29.68%
Reduce the number of alcohol related driving deaths by 12.67 percent.							Dauphin, PA	31.16%
Source	Fatality Analysis Reporting System				Year(s)	2010-2014	Onondaga, NY	30.00%

Sexually Transmitted Infections

Number of newly diagnosed chlamydia cases per 100,000 population

Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
88	Overton	552.75	153.22	399.53	↑Bad ↓Good	446.60	Lehigh, PA	389.59
Consider ways to educate 8 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

Teen birth rate per 1,000 female population, ages 15-19

Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
15	Putnam	39.38	34.87	4.50	↑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 12 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

Clinical Care

Uninsured

Percentage of population under age 65 without health insurance

Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
23	Cheatham	15.40%	14.54%	0.86%	↑Bad ↓Good	17.00%	Lehigh, PA	13.03%
Get 6 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

Ratio of population to primary care physicians

Rank	5th Ranked	Value	5th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
6	Knox	974:1	895:1	79	↑Bad ↓Good	1320:1	Lehigh, PA	1063:1
To reach a population-to-provider ratio at or exceeding that of the 5th ranking county, 12 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

Ratio of population to dentists

Rank	1st Ranked	Value	1st Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
5	Coffee	1416:1	1192:1	224	↑Bad ↓Good	1540:1	Lehigh, PA	1173:1
To reach a population-to-provider ratio at or exceeding that of the 1st ranking county, 17 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
Ratio of population to mental health providers

Rank	5th Ranked	Value	5th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
8	Maury	573:1	450:1	123	↑Bad ↓Good	490:1	Lehigh, PA	598:1

To reach a population-to-provider ratio at or exceeding that of the 5th ranking county, 59 mental health providers would need to be recruited to the county. More importantly, if the county's value is greater than 30,000, this county would be considered a Health Professional Shortage Area.

| | | | | | | | Dauphin, PA | 510:1 |

| Source | | CMS, National Provider Identification file | | | Year(s) | 2015 | Onondaga, NY | 490:1 |

Preventable Hospital Stays
Number of hospital stays for ambulatory-care sensitive conditions per 1,000 Medicare enrollees

Rank	5th Ranked	Value	5th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
7	Knox	48.42	45.07	3.35	↑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.

| | | | | | | | Dauphin, PA | 50.52 |

| Source | | Dartmouth Atlas of Health Care | | | Year(s) | 2013 | Onondaga, NY | 49.53 |

Diabetic Monitoring
Percentage of diabetic Medicare enrollees ages 65-75 that receive HbA1c monitoring

Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
77	Giles	84.45%	89.20%	4.75%	↑Good ↓Bad	63.00%	Lehigh, PA	86.77%

For every 100 diabetic Medicare enrollees, get 5 additional Medicare enrollees to receive HbA1c screening.

| | | | | | | | Dauphin, PA | 89.28% |

| Source | | Dartmouth Atlas of Health Care | | | Year(s) | 2013 | Onondaga, NY | 90.80% |

Mammography Screening
Percentage of female Medicare enrollees ages 67-69 that receive mammography screening

Rank	5th Ranked	Value	5th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
19	Cumberland	63.00%	71.00%	8.00%	↑Good ↓Bad	63.00%	Lehigh, PA	65.00%

For every 100 female Medicare enrollees, get 8 additional Medicare enrollees to receive their mammography screening.

| | | | | | | | Dauphin, PA | 55.00% |

| Source | | Dartmouth Atlas of Health Care | | | Year(s) | 2013 | Onondaga, NY | 71.00% |

Social & Economic Factors

High School Graduation
Percentage of ninth-grade cohort that graduates in four years

Rank	1st Ranked	Value	1st Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
78	Tipton	85.00%	98.00%	13.00%	↑Good ↓Bad	82.00%	Lehigh, PA	83.63%

For every 100 ninth graders, assist 13 additional ninth graders to graduate within four years.

| | | | | | | | Dauphin, PA | 79.70% |

| Source | | EDFacts | | | Year(s) | 2012-2013 | Onondaga, NY | 79.18% |

Some College
Percentage of adults ages 25-44 years with some post-secondary education

Rank	5th Ranked	Value	5th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
7	Davidson	65.56%	67.02%	1.46%	↑Good ↓Bad	64.00%	Lehigh, PA	62.36%

For every 100 adults between 25-44 years of age, assist 2 additional adults to complete some coursework at the collegiate level.

| | | | | | | | Dauphin, PA | 63.00% |

| Source | | American Community Survey | | | Year(s) | 2010-2014 | Onondaga, NY | 70.10% |

Unemployment
Percentage of population ages 16 and older unemployed but seeking work

Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
20	Robertson	6.32%	5.69%	0.63%	↑Bad ↓Good	6.20%	Lehigh, PA	6.04%

For every 100 persons ages 16 years and older, help 1 persons successfully find employment.

| | | | | | | | Dauphin, PA | 5.29% |

| Source | | Bureau of Labor Statistics | | | Year(s) | 2014 | Onondaga, NY | 5.57% |

Children in Poverty
Percentage of children under age 18 in poverty

Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
14	Dickson	22.00%	21.10%	0.90%	↑Bad ↓Good	22.00%	Lehigh, PA	19.50%

For every 100 children (under 18 years) in poverty, help 5 children to find assistance to get out of poverty.

| | | | | | | | Dauphin, PA | 20.60% |

| Source | | Small Area Income and Poverty Estimates | | | Year(s) | 2014 | Onondaga, NY | 23.70% |

Income Inequality
Ratio of household income at the 80th percentile to income at the 20th percentile

Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
79	Houston	4.99	4.11	0.88	↑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).

| | | | | | | | Dauphin, PA | 4.27 |

| Source | | American Community Survey | | | Year(s) | 2010-2014 | Onondaga, NY | 4.98 |

Health Factors

Social & Economic Factors

Children in Single-Parent Households

Percentage of children that live in a household headed by single parent

	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
	79	Lawrence	35.98%	23.36%	12.62%	↑Bad ↓Good	34.00%	Lehigh, PA	36.22%
	For every 100 single parent households in the county, investigate ways to encourage 36 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

Number of membership associations per 10,000 population

	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
	13	Johnson	15.43	16.13	0.70	↑Good ↓Bad	9.00	Lehigh, PA	10.81
	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

Number of reported violent crime offenses per 100,000 population

	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
	89	Carter	635.92	206.33	429.59	↑Bad ↓Good	392.00	Lehigh, PA	268.69
	For every 100 persons in the county, prevent 68 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

Number of deaths due to injury per 100,000 population

	Rank	5th Ranked	Value	5th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
	9	Madison	69.95	63.25	6.69	↑Bad ↓Good	60.00	Lehigh, PA	64.72
	For every 1,000 population consider ways to prevent 96 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

Average daily density of fine particulate matter in micrograms per cubic meter (PM2.5)

	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
	32	Greene	13.49	13.14	0.35	↑Bad ↓Good	11.40	Lehigh, PA	11.88
	Reduce the average daily measure of fine particulate matter by 0.35 micrograms per cubic meter (PM2.5).							Dauphin, PA	12.6
Source	CDC WONDER Environmental data				**Year(s)**		2011	Onondaga, NY	11.97

Physical Environment

Drinking Water Violations

Percentage of population potentially exposed to water exceeding a violation limit during the past year

	Rank	1st Ranked	Value	1st Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
	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

Percentage of households with at least 1 of 4 housing problems: overcrowding, high housing costs, or lack of kitchen or plumbing facilities

	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
	80	Unicoi	16.19%	11.70%	4.49%	↑Bad ↓Good	19.00%	Lehigh, PA	16.83%
	For every 100 persons in the county experiencing housing problems, help 28 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

Percentage of the workforce that drives alone to work

	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
	25	Grundy	82.98%	80.27%	2.72%	↑Bad ↓Good	76.00%	Lehigh, PA	80.68%
	For every 100 persons that currently drive alone to work, convince 4 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

Among workers who commute in their car alone, the percentage that commute more than 30 minutes

	Rank	5th Ranked	Value	5th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
	10	Hamblen	25.20%	22.00%	3.20%	↑Bad ↓Good	31.00%	Lehigh, PA	28.20%
	For every 100 persons that currently drive more than 30 minutes alone to work, convince 13 to carpool or take mass-transportation.							Dauphin, PA	23.20%
Source	American Community Survey				**Year(s)**		2010-2014	Onondaga, NY	17.30%