2016

DRIVE YOUR COUNTY TO THE
TOP TEN

INFORMING • CONNECTING • ACCELERATING
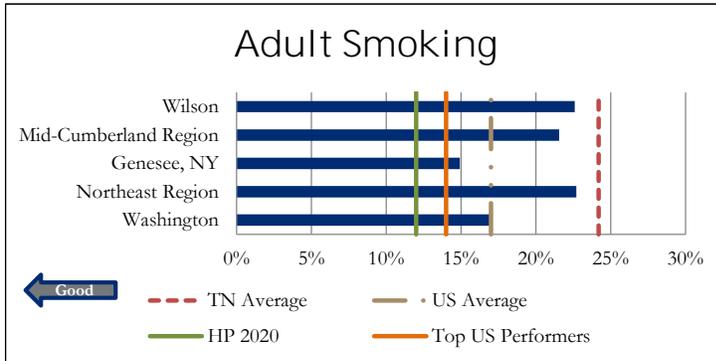
Washington County

TN Department of
**Health**

Demographics

Population:	126,242	**<18 YOA:**	19.78%	**65+ YOA:**	16.95%	**% Rural:**	26.40%
Unemployment:	6.35%	**% Females:**	51.10%	**% Males:**	48.90%	**Graduation Rate:**	90.88%
Single parent households:	30.82%	**MHI:**	$43,212				

Adult Smoking

Wilson
Mid-Cumberland Region
Genesee, NY
Northeast Region
Washington

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

← Good

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

Adult Obesity

Wilson
Mid-Cumberland Region
Genesee, NY
Northeast Region
Washington

10% 15% 20% 25% 30% 35% 40%

← Good

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

Physical Inactivity

Wilson
Mid-Cumberland Region
Genesee, NY
Northeast Region
Washington

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

← Good

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

Top Third

Measure	Value
Primary Care Physicians	618:1
Mental Health Providers	334:1
Some College	67.49%
Teen Births	30.85
Long Commute - Driving Alone	21.40%
Air Pollution - Particulate Matter	13.07
Diabetic Monitoring	89.75%
Injury Deaths	70.04
Dentists	1857:1
Children in Poverty	22.00%
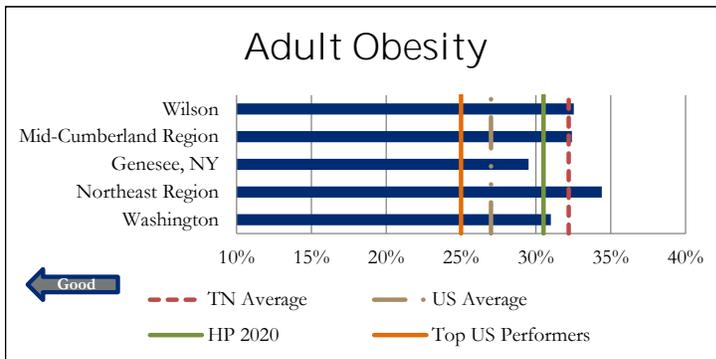
Middle Third

Measure	Value
Adult Smoking	22.60%
Children in Single-Parent Households	30.82%
Low Birthweight	8.47%
Adult Obesity	32.40%
Alcohol-Impaired Driving Deaths	30.61%
High School Graduation	90.88%
Food Environment Index	7.00
Violent Crime	414.82
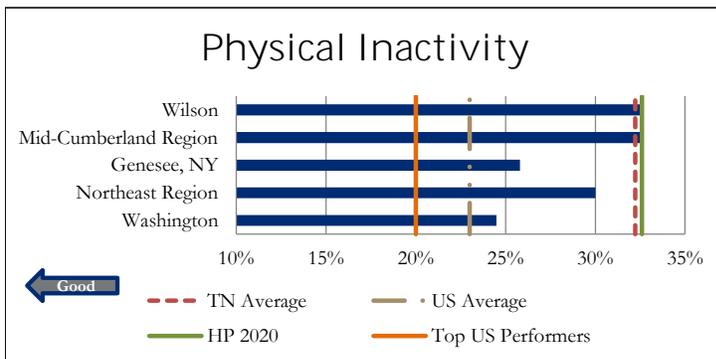
Bottom Third

Measure	Value
Income Inequality	4.94
Excessive Drinking	11.90%
Severe Housing Problems	15.21%
Driving Alone to Work	86.00%

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.

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

Premature Death	**Rank**	**10th Ranked**	**Value**	**10th Ranked Value**	**Difference**	**Shift in Value**	**US Average**	**Peer County**	**Peer Value**
	22	Knox	8555.20	7735.80	819.40	↑Bad ↓Good	6,600.00	Penobscot, ME	7165.40
Years of potential life lost before age 75 per 100,000 population (age-adjusted)	For every 100 people in the county, 1 people in the county need to live one year closer to age 75.							Marion, WV	7883.10
	Source	National Center for Health Statistics - Mortality files				**Year(s)**	2011-2013	Genesee, NY	6476.90

Quality of Life

Poor or Fair Health*	**Rank**	**10th Ranked**	**Value**	**10th Ranked Value**	**Difference**	**Shift in Value**	**US Average**	**Peer County**	**Peer Value**
	23	Rutherford	21.00%	19.60%	1.40%	↑Bad ↓Good	18.00%	Penobscot, ME	13.50%
Percentage of adults reporting fair or poor health (age-adjusted)	Improve the health of 2 out of every 100 people in the county who, in general, report being in poor or fair health.							Marion, WV	20.50%
	Source	Behavioral Risk Factor Surveillance System				**Year(s)**	2014	Genesee, NY	11.80%

Poor Physical Health Days*	**Rank**	**5th Ranked**	**Value**	**5th Ranked Value**	**Difference**	**Shift in Value**	**US Average**	**Peer County**	**Peer Value**
	16	Knox	4.50	4.30	0.20	↑Bad ↓Good	3.8	Penobscot, ME	3.80
Average number of physically unhealthy days reported in past 30 days (age-adjusted)	Engage people in the county on ways to reduce number of poor physical health days reported by residents by 1 days per month.							Marion, WV	4.50
	Source	Behavioral Risk Factor Surveillance System				**Year(s)**	2014	Genesee, NY	3.30

Poor Mental Health Days*	**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	Penobscot, ME	4.00
Average number of mentally unhealthy days reported in past 30 days (age-adjusted)	Engage people in the county on ways to reduce number of poor physical health days reported by residents by 1 days per month.							Marion, WV	4.40
	Source	Behavioral Risk Factor Surveillance System				**Year(s)**	2014	Genesee, NY	3.60

Low Birthweight	**Rank**	**10th Ranked**	**Value**	**10th Ranked Value**	**Difference**	**Shift in Value**	**US Average**	**Peer County**	**Peer Value**
	36	Pickett	8.47%	7.24%	1.22%	↑Bad ↓Good	8.00%	Penobscot, ME	6.62%
Percentage of live births with low birthweight (< 2500 grams)	Reduce the number of low birth weight babies by 2 for every 100 live births.							Marion, WV	9.17%
	Source	National Center for Health Statistics - Natality files				**Year(s)**	2007-2013	Genesee, NY	5.81%

Health Factors

Health Behaviors

Adult Smoking*	**Rank**	**10th Ranked**	**Value**	**10th Ranked Value**	**Difference**	**Shift in Value**	**US Average**	**Peer County**	**Peer Value**
	32	Humphreys	22.60%	21.10%	1.50%	↑Bad ↓Good	17.00%	Penobscot, ME	17.00%
Percentage of adults who are current smokers	Get 7 out of every 100 current adult smokers in the county to quit smoking.							Marion, WV	22.70%
	Source	Behavioral Risk Factor Surveillance System				**Year(s)**	2014	Genesee, NY	14.90%

Adult Obesity	**Rank**	**10th Ranked**	**Value**	**10th Ranked Value**	**Difference**	**Shift in Value**	**US Average**	**Peer County**	**Peer Value**
	41	Hamilton	32.40%	29.90%	2.50%	↑Bad ↓Good	27.00%	Penobscot, ME	31.00%
Percentage of adults that report a BMI of 30 or more	Get 8 out of every 100 current obese adults in the county to reduce their BMI below 30.							Marion, WV	34.40%
	Source	CDC Diabetes Interactive Atlas				**Year(s)**	2012	Genesee, NY	29.50%

Food Environment Index	**Rank**	**5th Ranked**	**Value**	**5th Ranked Value**	**Difference**	**Shift in Value**	**US Average**	**Peer County**	**Peer Value**
	52	Cannon	7.00	7.9	0.9	↑Good ↓Bad	7.20	Penobscot, ME	6.90
Index of factors that contribute to a healthy food environment, 0 (worst) to 10 (best)	Increase the county's food index score by 0.9.							Marion, WV	7.60
	Source	USDA Food Environment Atlas, Map the Meal Gap				**Year(s)**	2013	Genesee, NY	8.30

Health Factors

Health Behaviors

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

Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
18	Shelby	32.60%	30.20%	2.40%	↑Bad ↓Good	23.00%	Penobscot, ME	24.50%
Get 8 out of every 100 currently physically inactive adults to exercise during leisure time.							Marion, WV	30.00%
Source	CDC Diabetes Interactive Atlas				**Year(s)**	2012	Genesee, NY	25.80%

Access to Exercise Opportunities
Percentage of population with adequate access to locations for physical activity

Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
19	Loudon	71.98%	78.48%	6.50%	↑Good ↓Bad	84.00%	Penobscot, ME	58.41%
Consider how to remove barriers to access exercise locations to reach an additional 6.5 percent of the county's population.							Marion, WV	62.91%
Source	Business Analyst, Delorme, ESRI, & US Census Tigerline Files				**Year(s)**	2010 & 2014	Genesee, NY	67.37%

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
69	Benton	11.90%	10.60%	1.30%	↑Bad ↓Good	17.00%	Penobscot, ME	19.00%
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.							Marion, WV	11.50%
Source	Behavioral Risk Factor Surveillance System				**Year(s)**	2014	Genesee, NY	19.10%

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
51	Sullivan	30.61%	19.17%	11.45%	↑Bad ↓Good	31.00%	Penobscot, ME	37.50%
Reduce the number of alcohol related driving deaths by 11.45 percent.							Marion, WV	36.84%
Source	Fatality Analysis Reporting System				**Year(s)**	2010-2014	Genesee, NY	30.23%

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
29	Overton	237.42	153.22	84.20	↑Bad ↓Good	446.60	Penobscot, ME	292.69
Consider ways to educate 4 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.							Marion, WV	354.63
Source National Center for HIV/AIDS, Viral Hepatitis, STD, & TB Prevention					**Year(s)**	2013	Genesee, NY	321.79

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

Rank	1st Ranked	Value	1st Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
4	Williamson	30.85	10.96	19.89	↑Bad ↓Good	35.00	Penobscot, ME	19.83
For every 100 teenage females (ages 15 to 19 years) in the county, consider ways to prevent 65 teen(s) from becoming pregnant.							Marion, WV	36.92
Source	National Center for Health Statistics - Natality files				**Year(s)**	2007-2013	Genesee, NY	22.33

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
24	Cheatham	15.48%	14.54%	0.94%	↑Bad ↓Good	17.00%	Penobscot, ME	14.27%
Get 7 out of every 100 currently uninsured adults ages 18-64 to obtain health insurance.							Marion, WV	16.52%
Source	Small Area Health Insurance Estimates				**Year(s)**	2013	Genesee, NY	10.02%

Primary Care Physicians
Ratio of population to primary care physicians

Rank	1st Ranked	Value	1st Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
1	Washington	618:1	618:1	0	↑Bad ↓Good	1320:1	Penobscot, ME	791:1
No action required.							Marion, WV	1580:1
Source	Area Health Resource File/American Medical Association				**Year(s)**	2013	Genesee, NY	2585:1

Dentists
Ratio of population to dentists

Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
14	Dickson	1857:1	1744:1	113	↑Bad ↓Good	1540:1	Penobscot, ME	1358:1
To reach a population-to-provider ratio at or exceeding that of the 10th ranking county, 5 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.							Marion, WV	1893:1
Source	Area Health Resource File/National Provider Identification file				**Year(s)**	2014	Genesee, NY	2817:1

Health Factors

Clinical Care

Mental Health Providers	Rank	1st Ranked	Value	1st Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
	2	Knox	334:1	303:1	31	↑Bad ↓Good	490:1	Penobscot, ME	217:1
Ratio of population to mental health providers	To reach a population-to-provider ratio at or exceeding that of the 1st ranking county, 38 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.							Marion, WV	1033:1
	Source	CMS, National Provider Identification file				Year(s)	2015	Genesee, NY	749:1

Preventable Hospital Stays	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
	25	Anderson	64.26	50.27	13.99	↑Bad ↓Good	54.00	Penobscot, ME	71.57
Number of hospital stays for ambulatory-care sensitive conditions per 1,000 Medicare enrollees	For every 100 Medicare enrollees, prevent 1 Medicare enrollees from being hospitalized for ambulatory-care sensitive conditions.							Marion, WV	71.47
	Source	Dartmouth Atlas of Health Care				Year(s)	2013	Genesee, NY	63.45

Diabetic Monitoring	Rank	5th Ranked	Value	5th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
	7	Lake	89.75%	90.16%	0.41%	↑Good ↓Bad	63.00%	Penobscot, ME	89.19%
Percentage of diabetic Medicare enrollees ages 65-75 that receive HbA1c monitoring	For every 100 diabetic Medicare enrollees, get 1 additional Medicare enrollees to receive HbA1c screening.							Marion, WV	81.75%
	Source	Dartmouth Atlas of Health Care				Year(s)	2013	Genesee, NY	82.07%

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%	Penobscot, ME	69.00%
Percentage of female Medicare enrollees ages 67-69 that receive mammography screening	For every 100 female Medicare enrollees, get 8 additional Medicare enrollees to receive their mammography screening.							Marion, WV	57.00%
	Source	Dartmouth Atlas of Health Care				Year(s)	2013	Genesee, NY	55.00%

Social & Economic Factors

High School Graduation	Rank	1st Ranked	Value	1st Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
	51	Tipton	90.88%	98.00%	7.12%	↑Good ↓Bad	82.00%	Penobscot, ME	87.13%
Percentage of ninth-grade cohort that graduates in four years	For every 100 ninth graders, assist 8 additional ninth graders to graduate within four years.							Marion, WV	83.00%
	Source	EDFacts				Year(s)	2012-2013	Genesee, NY	85.04%

Some College	Rank	1st Ranked	Value	1st Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
	3	Williamson	67.49%	82.51%	15.02%	↑Good ↓Bad	64.00%	Penobscot, ME	64.96%
Percentage of adults ages 25-44 years with some post-secondary education	For every 100 adults between 25-44 years of age, assist 16 additional adults to complete some coursework at the collegiate level.							Marion, WV	57.75%
	Source	American Community Survey				Year(s)	2010-2014	Genesee, NY	63.98%

Unemployment	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
	21	Robertson	6.35%	5.69%	0.66%	↑Bad ↓Good	6.20%	Penobscot, ME	6.22%
Percentage of population ages 16 and older unemployed but seeking work	For every 100 persons ages 16 years and older, help 1 persons successfully find employment.							Marion, WV	5.93%
	Source	Bureau of Labor Statistics				Year(s)	2014	Genesee, NY	5.52%

Children 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%	Penobscot, ME	21.90%
Percentage of children under age 18 in poverty	For every 100 children (under 18 years) in poverty, help 5 children to find assistance to get out of poverty.							Marion, WV	23.30%
	Source	Small Area Income and Poverty Estimates				Year(s)	2014	Genesee, NY	17.10%

Income Inequality	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
	77	Houston	4.94	4.11	0.83	↑Bad ↓Good	4.70	Penobscot, ME	4.66
Ratio of household income at the 80th percentile to income at the 20th percentile	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).							Marion, WV	4.73
	Source	American Community Survey				Year(s)	2010-2014	Genesee, NY	4.01

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
35	Lawrence	30.82%	23.36%	7.46%	↑Bad ↓Good	34.00%	Penobscot, ME	30.86%
For every 100 single parent households in the county, investigate ways to encourage 25 households to be a multi-parent household.							Marion, WV	35.62%
Source	American Community Survey			Year(s)		2010-2014	Genesee, NY	27.97%

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
25	Johnson	13.94	16.13	2.19	↑Good ↓Bad	9.00	Penobscot, ME	10.63
For every 100 people in the county, increase the number of membership associations by 1.							Marion, WV	18.11
Source	County Business Patterns			Year(s)		2013	Genesee, NY	13.96

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
63	Carter	414.82	206.33	208.49	↑Bad ↓Good	392.00	Penobscot, ME	79.05
For every 100 persons in the county, prevent 51 people from committing a violent crime.							Marion, WV	223.77
Source	Uniform Crime Reporting - FBI			Year(s)		2010-2012	Genesee, NY	172.07

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
10	Madison	70.04	63.25	6.78	↑Bad ↓Good	60.00	Penobscot, ME	58.29
For every 1,000 population consider ways to prevent 97 deaths as a result of intentional and unintentional injury.							Marion, WV	70.68
Source	CDC WONDER mortality data			Year(s)		2009-2013	Genesee, NY	55.10

Air Pollution - Particulate Matter
Average daily density of fine particulate matter in micrograms per cubic meter (PM2.5)

Rank	5th Ranked	Value	5th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
6	Sullivan	13.07	13.04	0.03	↑Bad ↓Good	11.40	Penobscot, ME	10.15
Reduce the average daily measure of fine particulate matter by 0.03 micrograms per cubic meter (PM2.5).							Marion, WV	13.55
Source	CDC WONDER Environmental data			Year(s)		2011	Genesee, NY	12.67

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	Penobscot, ME	Yes
There were no health-based drinking water violations.							Marion, WV	Yes
Source	Safe Drinking Water Information System			Year(s)		FY2013-14	Genesee, 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
69	Unicoi	15.21%	11.70%	3.50%	↑Bad ↓Good	19.00%	Penobscot, ME	16.79%
For every 100 persons in the county experiencing housing problems, help 24 person(s) to find housing assistance.							Marion, WV	10.96%
Source	Comprehensive Housing Affordability Strategy (CHAS) data		Year(s)		2008-2012		Genesee, NY	12.98%

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
66	Grundy	86.00%	80.27%	5.74%	↑Bad ↓Good	76.00%	Penobscot, ME	80.26%
For every 100 persons that currently drive alone to work, convince 7 to carpool or take mass-transportation.							Marion, WV	83.81%
Source	American Community Survey			Year(s)		2010-2014	Genesee, NY	83.84%

Long Commute - Driving Alone
Among workers who commute in their car alone, the percentage that commute more than 30 minutes

Rank	1st Ranked	Value	1st Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
4	Madison	21.40%	14.70%	6.70%	↑Bad ↓Good	31.00%	Penobscot, ME	24.60%
For every 100 persons that currently drive more than 30 minutes alone to work, convince 32 to carpool or take mass-transportation.							Marion, WV	35.90%
Source	American Community Survey			Year(s)		2010-2014	Genesee, NY	30.10%