



# 2015

## DRIVE YOUR COUNTY TO THE TOP TEN:

Accelerating Action Towards Improving County Health

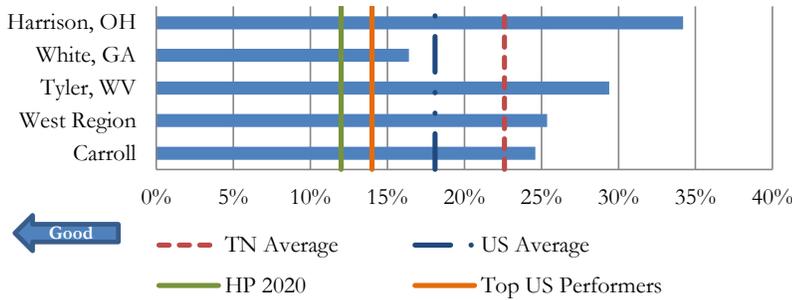
## Carroll County



Demographics

<b>Population:</b>	28,513	<b>&lt;18 YOA:</b>	21.65%	<b>65+ YOA:</b>	19.13%	<b>% Rural:</b>	83.06%
<b>Unemployment:</b>	12.06%	<b>% Females:</b>	51.32%	<b>% Males:</b>	48.68%	<b>Graduation Rate:</b>	95.32
<b>Single parent households:</b>	32.40%	<b>MHI:</b>	\$35,929				

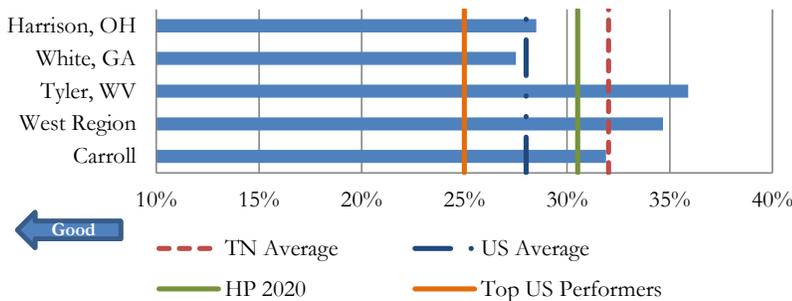
### Adult Smoking



### Top Third

Measure	Value
Drinking Water Violations	0.00%
Excessive Drinking	7.20%
High School Graduation	95.32%
Diabetic Monitoring	88.52%
Social Associations	14.79
Severe Housing Problems	11.89%
Violent Crime	269.79
Children in Poverty	27.00%

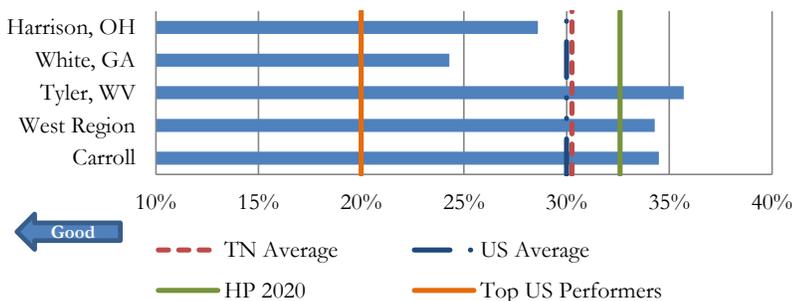
### Adult Obesity



### Middle Third

Measure	Value
Poor or Fair Health	20.30%
Adult Smoking	24.60%
Uninsured	16.40%
Preventable Hospital Stays	80.20
Some College	47.58%
Primary Care Physicians	2028:1
Poor Physical Health Days	4.70
Adult Obesity	31.90%
Food Environment Index	7.20
Teen Births	51.97

### Physical Inactivity



### Bottom Third

Measure	Value
Unemployment	12.06%
Air Pollution - Particulate Matter	14.49
Income Inequality	4.94
Sexually Transmitted Infections	457.90
Injury Deaths	108.08
Access to Exercise Opportunities	44.07%
Mental Health Providers	4073:1
Low Birthweight	9.09%
Alcohol-Impaired Driving Deaths	33.33%

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 Policy, Planning and Assessment, Office of Performance Management, Tennessee Department of Health. Nashville, TN. opm.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
		54	Lewis	10134.99	7769.75	2365.24	↑Bad ↓Good	6,811.00	Tyler, WV	9696.90
		For every 100 people in the county, 1 people in the county need to live one year closer to age 75.							White, GA	8472.77
		Source		National Center for Health Statistics - Mortality files			Year(s)	2010-2012	Harrison, OH	8715.41
	Quality of Life	Poor or Fair Health								
		Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
		32	Putnam	20.30%	16.60%	3.70%	↑Bad ↓Good	12.40%	Tyler, WV	15.80%
		Improve the health of 4 out of every 100 people in the county who, in general, report being in poor or fair health.							White, GA	17.10%
		Source		Behavioral Risk Factor Surveillance System			Year(s)	2006-2012	Harrison, OH	17.60%
	Quality of Life	Poor Physical Health Days*								
		Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
		41	Chester	4.70	3.40	1.30	↑Bad ↓Good	3.70	Tyler, WV	NA
		Engage people in the county on ways to reduce number of poor physical health days reported by residents by 2 days per month.							White, GA	4.40
		Source		Behavioral Risk Factor Surveillance System			Year(s)	2006-2012	Harrison, OH	8.80
	Quality of Life	Poor Mental Health Days								
		Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
		54	Henderson	4.30	2.80	1.50	↑Bad ↓Good	3.50	Tyler, WV	3.00
		Engage people in the county on ways to reduce number of poor physical health days reported by residents by 2 days per month.							White, GA	6.20
		Source		Behavioral Risk Factor Surveillance System			Year(s)	2006-2012	Harrison, OH	3.10
	Quality of Life	Low Birthweight								
		Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
		65	Lewis	9.09%	7.29%	1.80%	↑Bad ↓Good	8.10%	Tyler, WV	8.43%
		Reduce the number of low birth weight babies by 2 for every 100 live births.							White, GA	7.09%
		Source		National Center for Health Statistics - Natality files			Year(s)	2006-2012	Harrison, OH	8.40%
Health Factors	Health Behaviors	Adult Smoking								
		Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
		36	Knox	24.60%	18.50%	6.10%	↑Bad ↓Good	18.10%	Tyler, WV	29.40%
		Get 25 out of every 100 current adult smokers in the county to quit smoking.							White, GA	16.40%
		Source		Behavioral Risk Factor Surveillance System			Year(s)	2006-2012	Harrison, OH	34.20%
	Health Behaviors	Adult Obesity								
		Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
		44	Hamilton	31.90%	29.10%	2.80%	↑Bad ↓Good	28.00%	Tyler, WV	35.90%
		Get 9 out of every 100 current obese adults in the county to reduce their BMI below 30.							White, GA	27.50%
		Source		CDC Diabetes Interactive Atlas			Year(s)	2011	Harrison, OH	28.50%
	Health Behaviors	Food Environment Index								
		Rank	1st Ranked	Value	1st Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
		51	Williamson	7.20	8.9	1.7	↑Good ↓Bad	7.60	Tyler, WV	7.90
		Increase the county's food index score by 1.7.							White, GA	8.10
		Source		USDA Food Environment Atlas, Map the Meal Gap			Year(s)	2012	Harrison, OH	7.70

Prepared by the Division of Policy, Planning and Assessment, Office of Performance Management, Tennessee Department of Health, Nashville, TN. April 2015. [opm.health@tn.gov](http://opm.health@tn.gov) or 615-741-5001. The full report can be accessed at: <http://health.tn.gov/statistics/specialprojects.htm>. 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. 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	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
	58	Wilson	34.50%	28.50%	6.00%	↑Bad ↓Good	30.00%	Tyler, WV	35.70%
<a href="#">Percentage of adults aged 20 and over reporting no leisure-time physical activity</a>	Get 18 out of every 100 currently physically inactive adults to exercise during leisure time.							White, GA	24.30%
Source	CDC Diabetes Interactive Atlas			Year(s)	2011		Harrison, OH	28.60%	
Access to Exercise Opportunities	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
	68	Loudon	44.07%	78.50%	34.44%	↑Good ↓Bad	77.00%	Tyler, WV	69.01%
<a href="#">Percentage of population with adequate access to locations for physical activity</a>	Consider how to remove barriers to access exercise locations to reach an additional 34.44 percent of the county's population.							White, GA	96.20%
Source	Business Analyst, Delorme, ESRI, & US Census Tigerline Files			Year(s)	2010 & 2013		Harrison, OH	54.37%	
Excessive Drinking	Rank	5th Ranked	Value	5th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
	9	McMinn	7.20%	5.30%	1.90%	↑Bad ↓Good	15.00%	Tyler, WV	17.20%
<a href="#">Percentage of adults reporting binge or heavy drinking</a>	Get 27 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.							White, GA	NA
Source	Behavioral Risk Factor Surveillance System			Year(s)	2006-2012		Harrison, OH	18.40%	
Alcohol-Impaired Driving Deaths	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
	64	McNairy	33.33%	18.75%	14.58%	↑Bad ↓Good	32.00%	Tyler, WV	16.67%
<a href="#">Percentage of driving deaths with alcohol involvement</a>	Reduce the number of alcohol related driving deaths by 14.58 percent.							White, GA	31.82%
Source	Fatality Analysis Reporting System			Year(s)	2009-2013		Harrison, OH	25.00%	
Sexually Transmitted Infections	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
	76	Scott	457.90	144.30	313.60	↑Bad ↓Good	458.00	Tyler, WV	77.50
<a href="#">Number of newly diagnosed chlamydia cases per 100,000 population</a>	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.							White, GA	206.90
Source	National Center for HIV/AIDS, Viral Hepatitis, STD, & TB Prevention			Year(s)	2012		Harrison, OH	152.70	
Teen Births	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
	53	Putnam	51.97	37.04	14.93	↑Bad ↓Good	31.00	Tyler, WV	48.99
<a href="#">Teen birth rate per 1,000 female population, ages 15-19</a>	For every 100 teenage females (ages 15 to 19 years) in the county, consider ways to prevent 29 teen(s) from becoming pregnant.							White, GA	33.71
Source	National Center for Health Statistics - Natality files			Year(s)	2006-2012		Harrison, OH	45.04	

Clinical Care

Uninsured	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
	36	Blount	16.40%	14.64%	1.76%	↑Bad ↓Good	18.00%	Tyler, WV	18.46%
<a href="#">Percentage of population under age 65 without health insurance</a>	Get 11 out of every 100 currently uninsured adults ages 18-64 to obtain health insurance.							White, GA	21.06%
Source	Small Area Health Insurance Estimates			Year(s)	2012		Harrison, OH	13.65%	
Primary Care Physicians	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
	38	Anderson	2028:1	1397:1	631	↑Bad ↓Good	1,355.00	Tyler, WV	1506:1
<a href="#">Ratio of population to primary care physicians</a>	To reach a population-to-provider ratio at or exceeding that of the 10th ranking county, 7 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.							White, GA	4593:1
Source	Area Health Resource File/American Medical Association			Year(s)	2012		Harrison, OH	1964:1	
Dentists	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
	63	Maury	4073:1	1675:1	2398	↑Bad ↓Good	1,663.00	Tyler, WV	8995:1
<a href="#">Ratio of population to dentists</a>	To reach a population-to-provider ratio at or exceeding that of the 10th ranking county, 11 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.							White, GA	3475:1
Source	Area Health Resource File/American Medical Association			Year(s)	2013		Harrison, OH	7811:1	

Health Factors	Clinical Care	Mental Health Providers	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
		<a href="#">Ratio of population to mental health providers</a>	66	McNairy	4073:1	688:1	3385	↑Bad ↓Good	753	Tyler, WV	4498:1
To reach a population-to-provider ratio at or exceeding that of the 10th ranking county, 35 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.									White, GA	1544:1	
		Source	CMS, National Provider Identification file				Year(s)	2014	Harrison, OH	3124:1	
Preventable Hospital Stays	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value		
	36	Marshall	80.20	58.47	21.73	↑Bad ↓Good	65.00	Tyler, WV	92.72		
<a href="#">Number of hospital stays for ambulatory-care sensitive conditions per 1,000 Medicare enrollees</a>	For every 100 Medicare enrollees, prevent 1 Medicare enrollees from being hospitalized for ambulatory-care sensitive conditions.									White, GA	48.74
	Source	Dartmouth Atlas of Health Care				Year(s)	2012	Harrison, OH	98.94		
Diabetic Monitoring	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value		
	14	Crockett	88.52%	88.92%	0.40%	↑Good ↓Bad	84.00%	Tyler, WV	84.68%		
<a href="#">Percentage of diabetic Medicare enrollees ages 65-75 that receive HbA1c monitoring</a>	For every 100 diabetic Medicare enrollees, get 1 additional Medicare enrollees to receive HbA1c screening.									White, GA	87.65%
	Source	Dartmouth Atlas of Health Care				Year(s)	2012	Harrison, OH	74.37%		
Mammography Screening	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value		
	60	Knox	57.87%	65.71%	7.84%	↑Good ↓Bad	63.00%	Tyler, WV	63.49%		
<a href="#">Percentage of female Medicare enrollees ages 67-69 that receive mammography screening</a>	For every 100 female Medicare enrollees, get 8 additional Medicare enrollees to receive their mammography screening.									White, GA	66.05%
	Source	Dartmouth Atlas of Health Care				Year(s)	2012	Harrison, OH	41.22%		
High School Graduation	Rank	1st Ranked	Value	1st Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value		
	10	Morgan	95.32%	99.50%	4.18%	↑Good ↓Bad	80.00%	Tyler, WV	92.50%		
<a href="#">Percentage of ninth-grade cohort that graduates in four years</a>	For every 100 ninth graders, assist 5 additional ninth graders to graduate within four years.									White, GA	90.00%
	Source	data.gov, supplemented w/ National Center for Education Statistics				Year(s)	2011-2012	Harrison, OH	87.50%		
Some College	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value		
	37	Shelby	47.58%	62.09%	14.51%	↑Good ↓Bad	63.00%	Tyler, WV	42.25%		
<a href="#">Percentage of adults ages 25-44 years with some post-secondary education</a>	For every 100 adults between 25-44 years of age, assist 1452 additional adults to complete some coursework at the collegiate level.									White, GA	50.88%
	Source	American Community Survey				Year(s)	2009-2013	Harrison, OH	49.53%		
Unemployment	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value		
	89	Blount	12.06%	6.89%	5.16%	↑Bad ↓Good	8.10%	Tyler, WV	7.97%		
<a href="#">Percentage of population ages 16 and older unemployed but seeking work</a>	For every 100 persons ages 16 years and older, help 6 persons successfully find employment.									White, GA	7.75%
	Source	Bureau of Labor Statistics				Year(s)	2013	Harrison, OH	7.64%		
Children in Poverty	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value		
	29	Montgomery	27.00%	21.40%	5.60%	↑Bad ↓Good	23.00%	Tyler, WV	26.10%		
<a href="#">Percentage of children under age 18 in poverty</a>	For every 100 children (under 18 years) in poverty, help 21 children to find assistance to get out of poverty.									White, GA	30.10%
	Source	Small Area Income and Poverty Estimates				Year(s)	2013	Harrison, OH	26.10%		
Income Inequality	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value		
	78	Williamson	4.94	4.11	0.84	↑Bad ↓Good	NA	Tyler, WV	4.49		
<a href="#">Ratio of household income at the 80th percentile to income at the 20th percentile</a>	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).									White, GA	4.20
	Source	American Community Survey				Year(s)	2009-2013	Harrison, OH	4.32		

Health Factors

Clinical Care

Social & Economic Factors

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
	53	Cheatham	32.40%	25.43%	6.97%	↑Bad ↓Good	21.00%	Tyler, WV	26.82%
<a href="#">Percentage of children that live in a household headed by single parent</a>	For every 100 single parent households in the county, investigate ways to encourage 22 households to be a multi-parent household.							White, GA	39.19%
Source	American Community Survey		Year(s)		2009-2013		Harrison, OH	28.61%	
Social Associations	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
18	Henry	14.79	16.70	1.90	↑Good ↓Bad	33.00%	Tyler, WV	14.39	
<a href="#">Number of membership associations per 10,000 population</a>	For every 100 people in the county, increase the number of membership associations by 1.							White, GA	10.16
Source	County Business Patterns		Year(s)		2012		Harrison, OH	18.45	
Violent Crime	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
22	Carter	269.79	206.33	63.46	↑Bad ↓Good	387.00	Tyler, WV	174.23	
<a href="#">Number of reported violent crime offenses per 100,000 population</a>	For every 100 persons in the county, prevent 24 people from committing a violent crime.							White, GA	220.17
Source	Uniform Crime Reporting - FBI		Year(s)		2010-2012		Harrison, OH	79.45	
Injury Deaths	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
73	Fayette	108.08	68.81	39.27	↑Bad ↓Good	59.00	Tyler, WV	91.35	
<a href="#">Number of deaths due to injury per 100,000 population</a>	For every 1,000 population consider ways to prevent 364 deaths as a result of intentional and unintentional injury.							White, GA	76.73
Source	CDC WONDER mortality data		Year(s)		2008-2012		Harrison, OH	74.55	
Air Pollution - Particulate Matter	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
85	Greene	14.49	13.14	1.35	↑Bad ↓Good	11.10	Tyler, WV	13.5	
<a href="#">Average daily density of fine particulate matter in micrograms per cubic meter (PM2.5)</a>	Reduce the average daily measure of fine particulate matter by 1.35 micrograms per cubic meter (PM2.5).							White, GA	13.38
Source	CDC WONDER Environmental data		Year(s)		2011		Harrison, OH	13.93	

Physical Environment

Drinking Water Violations	Rank	1st Ranked	Value	1st Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
1	Anderson	0.00%	0.00%	0.00%	↑Bad ↓Good	8.00%	Tyler, WV	0.00%	
<a href="#">Percentage of population potentially exposed to water exceeding a violation limit during the past year</a>	No Action Required							White, GA	0.32%
Source	Safe Drinking Water Information System		Year(s)		FY2013-14		Harrison, OH	19.10%	
Severe Housing Problems	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
18	Lewis	11.89%	10.96%	0.94%	↑Bad ↓Good	19.00%	Tyler, WV	9.07%	
<a href="#">Percentage of households with at least 1 of 4 housing problems: overcrowding, high housing costs, or lack of kitchen or plumbing facilities</a>	For every 100 persons in the county experiencing housing problems, help 8 person(s) to find housing assistance.							White, GA	15.97%
Source	Comprehensive Housing Affordability Strategy (CHAS) data		Year(s)		2007-2011		Harrison, OH	15.95%	
Driving Alone to Work	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
61	Davidson	85.48%	80.03%	5.45%	↑Bad ↓Good	76.00%	Tyler, WV	79.82%	
<a href="#">Percentage of the workforce that drives alone to work</a>	For every 100 persons that currently drive alone to work, convince 7 to carpool or take mass-transportation.							White, GA	82.99%
Source	American Community Survey		Year(s)		2009-2013		Harrison, OH	85.82%	
Long Commute - Driving Alone	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
56	Hamilton	38.80%	25.10%	13.70%	↑Bad ↓Good	34.00%	Tyler, WV	41.00%	
<a href="#">Among workers who commute in their car alone, the percentage that commute more than 30 minutes</a>	For every 100 persons that currently drive more than 30 minutes alone to work, convince 36 to carpool or take mass-transportation.							White, GA	41.00%
Source	American Community Survey		Year(s)		2009-2013		Harrison, OH	48.90%	