



2016

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TOP TEN

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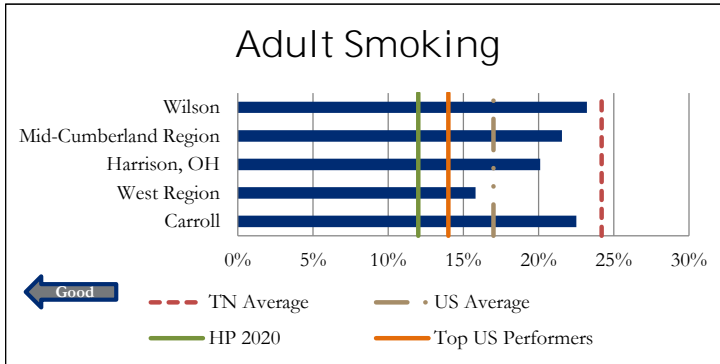
Carroll County

TN

Department of
Health

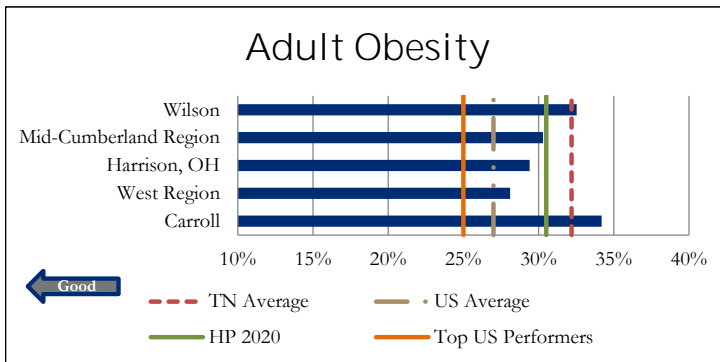
Demographics

Population:	28,370	<18 YOA:	21.62%	65+ YOA:	19.68%	% Rural:	83.10%
Unemployment:	10.12%	% Females:	51.40%	% Males:	48.60%	Graduation Rate:	93.14%
Single parent households:	33.67%	MHI:	\$36,627				



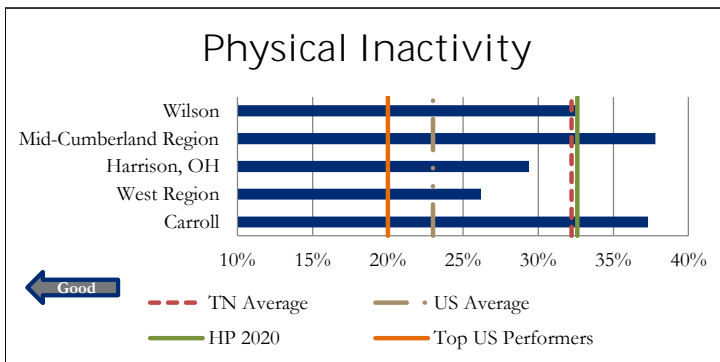
Top Third

Measure	Value
Adult Obesity	30.30%
Poor Mental Health Days	4.50
Excessive Drinking	10.90%
Social Associations	14.73
Severe Housing Problems	12.44%
High School Graduation	93.14%
Violent Crime	269.79
Diabetic Monitoring	87.97%
Preventable Hospital Stays	65.64
Poor Physical Health Days	4.70



Middle Third

Measure	Value
Primary Care Physicians	2037:1
Driving Alone to Work	83.87%
Some College	47.44%
Poor or Fair Health	22.20%
Adult Smoking	23.20%
Teen Births	47.38
Long Commute - Driving Alone	35.80%
Children in Poverty	28.20%
Alcohol-Impaired Driving Deaths	30.00%
Access to Exercise Opportunities	43.77%



Bottom Third

Measure	Value
Unemployment	10.12%
Air Pollution - Particulate Matter	14.49
Mammography Screening	53.00%
Income Inequality	4.90
Sexually Transmitted Infections	383.94
Injury Deaths	100.45



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	
		60	Knox	10525.10	7735.80	2789.30	↑Bad ↓Good	6,600.00	Tyler, WV	8382.20	
		For every 100 people in the county, 1 people in the county need to live one year closer to age 75.							White, GA	7359.00	
		Source		National Center for Health Statistics - Mortality files		Year(s)		2011-2013	Harrison, OH	8646.00	
Health Outcomes	Quality of Life	Poor or Fair Health*									
		Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value	
		43	Rutherford	22.20%	19.60%	2.60%	↑Bad ↓Good	18.00%	Tyler, WV	20.20%	
		Improve the health of 3 out of every 100 people in the county who, in general, report being in poor or fair health.							White, GA	15.50%	
		Source		Behavioral Risk Factor Surveillance System		Year(s)		2014	Harrison, OH	16.90%	
		Percentage of adults reporting fair or poor health (age-adjusted)									
			Poor Physical Health Days*								
	Rank	5th Ranked	Value	5th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value		
	30	Knox	4.70	4.30	0.40	↑Bad ↓Good	3.8	Tyler, WV	4.70		
	Engage people in the county on ways to reduce number of poor physical health days reported by residents by 1 days per month.							White, GA	3.80		
	Source		Behavioral Risk Factor Surveillance System		Year(s)		2014	Harrison, OH	3.90		
	Average number of physically unhealthy days reported in past 30 days (age-adjusted)										
		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	Tyler, WV	4.60			
Engage people in the county on ways to reduce number of poor physical health days reported by residents by 1 days per month.							White, GA	3.90			
Source		Behavioral Risk Factor Surveillance System		Year(s)		2014	Harrison, OH	4.10			
Average number of mentally unhealthy days reported in past 30 days (age-adjusted)											
		Low Birthweight									
Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value			
60	Pickett	9.00%	7.24%	1.76%	↑Bad ↓Good	8.00%	Tyler, WV	8.70%			
Reduce the number of low birth weight babies by 2 for every 100 live births.							White, GA	6.66%			
Source		National Center for Health Statistics - Natality files		Year(s)		2007-2013	Harrison, OH	7.54%			
Percentage of live births with low birthweight (< 2500 grams)											
Health Factors	Health Behaviors	Adult Smoking*									
		Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value	
		43	Humphreys	23.20%	21.10%	2.10%	↑Bad ↓Good	17.00%	Tyler, WV	22.50%	
	Get 10 out of every 100 current adult smokers in the county to quit smoking.							White, GA	15.80%		
	Source		Behavioral Risk Factor Surveillance System		Year(s)		2014	Harrison, OH	20.10%		
	Percentage of adults who are current smokers										
			Adult Obesity								
	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value		
	15	Hamilton	30.30%	29.90%	0.40%	↑Bad ↓Good	27.00%	Tyler, WV	34.20%		
Get 2 out of every 100 current obese adults in the county to reduce their BMI below 30.							White, GA	28.10%			
Source		CDC Diabetes Interactive Atlas		Year(s)		2012	Harrison, OH	29.40%			
Percentage of adults that report a BMI of 30 or more											
		Food Environment Index									
Rank	5th Ranked	Value	5th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value			
58	Cannon	6.80	7.9	1.1	↑Good ↓Bad	7.20	Tyler, WV	7.70			
Increase the county's food index score by 1.1.							White, GA	7.80			
Source		USDA Food Environment Atlas, Map the Meal Gap		Year(s)		2013	Harrison, OH	7.60			
Index of factors that contribute to a healthy food environment, 0 (worst) to 10 (best)											

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	10th Ranked	Value	10th 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		63	Shelby	37.80%	30.20%	7.60%	↑Bad ↓Good	23.00%	Tyler, WV	37.30%				
		Get 21 out of every 100 currently physically inactive adults to exercise during leisure time.							White, GA	26.20%				
		Source			CDC Diabetes Interactive Atlas			Year(s)		2012	Harrison, OH	29.40%		
Percentage of population with adequate access to locations for physical activity		Access to Exercise Opportunities		Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value		
		57	Loudon	43.77%	78.48%	34.71%	↑Good ↓Bad	84.00%	Tyler, WV	64.60%				
		Consider how to remove barriers to access exercise locations to reach an additional 34.71 percent of the county's population.							White, GA	95.04%				
		Source			Business Analyst, Delorme, ESRI, & US Census Tigerline Files			Year(s)		2010 & 2014	Harrison, OH	53.66%		
Percentage of adults reporting binge or heavy drinking		Excessive Drinking		Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value		
		19	Benton	10.90%	10.60%	0.30%	↑Bad ↓Good	17.00%	Tyler, WV	11.30%				
		Get 3 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	15.20%				
		Source			Behavioral Risk Factor Surveillance System			Year(s)		2014	Harrison, OH	16.30%		
Percentage of driving deaths with alcohol involvement		Alcohol-Impaired Driving Deaths		Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value		
		48	Sullivan	30.00%	19.17%	10.83%	↑Bad ↓Good	31.00%	Tyler, WV	33.33%				
		Reduce the number of alcohol related driving deaths by 10.83 percent.							White, GA	29.17%				
		Source			Fatality Analysis Reporting System			Year(s)		2010-2014	Harrison, OH	20.00%		
Number of newly diagnosed chlamydia cases per 100,000 population		Sexually Transmitted Infections		Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value		
		72	Overton	383.94	153.22	230.72	↑Bad ↓Good	446.60	Tyler, WV	132.79				
		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	112.50				
		Source			National Center for HIV/AIDS, Viral Hepatitis, STD, & TB Prevention			Year(s)		2013	Harrison, OH	210.00		
Teen birth rate per 1,000 female population, ages 15-19		Teen Births		Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value		
		44	Putnam	47.38	34.87	12.50	↑Bad ↓Good	35.00	Tyler, WV	45.88				
		For every 100 teenage females (ages 15 to 19 years) in the county, consider ways to prevent 27 teen(s) from becoming pregnant.							White, GA	31.79				
		Source			National Center for Health Statistics - Natality files			Year(s)		2007-2013	Harrison, OH	45.06		
Percentage of population under age 65 without health insurance		Uninsured		Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value		
		31	Cheatham	15.96%	14.54%	1.42%	↑Bad ↓Good	17.00%	Tyler, WV	18.02%				
		Get 9 out of every 100 currently uninsured adults ages 18-64 to obtain health insurance.							White, GA	21.64%				
		Source			Small Area Health Insurance Estimates			Year(s)		2013	Harrison, OH	14.01%		
Ratio of population to primary care physicians		Primary Care Physicians		Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value		
		34	Coffee	2037:1	1368:1	669	↑Bad ↓Good	1320:1	Tyler, WV	1499:1				
		To reach a population-to-provider ratio at or exceeding that of the 10th ranking county, 30 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	3971:1				
		Source			Area Health Resource File/American Medical Association			Year(s)		2013	Harrison, OH	3906:1		
Ratio of population to dentists		Dentists		Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value		
		59	Dickson	4053:1	1744:1	2309	↑Bad ↓Good	1540:1	Tyler, WV	9098:1				
		To reach a population-to-provider ratio at or exceeding that of the 10th ranking county, 40 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	3108:1				
		Source			Area Health Resource File/National Provider Identification file			Year(s)		2014	Harrison, OH	7772:1		

Health Factors	Clinical Care	Mental Health Providers	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
		Ratio of population to mental health providers	61	Henry	3546:1	644:1	2902	↑Bad ↓Good	490:1	Tyler, WV	4549:1
To reach a population-to-provider ratio at or exceeding that of the 10th ranking county, 155 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	1554:1	
	Source	CMS, National Provider Identification file			Year(s)	2015		Harrison, OH	3109:1		
Preventable Hospital Stays	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value		
	28	Anderson	65.64	50.27	15.37	↑Bad ↓Good	54.00	Tyler, WV	78.84		
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.									White, GA	45.44
	Source	Dartmouth Atlas of Health Care			Year(s)	2013		Harrison, OH	92.95		
Diabetic Monitoring	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value		
	24	Giles	87.97%	89.20%	1.23%	↑Good ↓Bad	63.00%	Tyler, WV	89.92%		
Percentage of diabetic Medicare enrollees ages 65-75 that receive HbA1c monitoring	For every 100 diabetic Medicare enrollees, get 2 additional Medicare enrollees to receive HbA1c screening.									White, GA	88.82%
	Source	Dartmouth Atlas of Health Care			Year(s)	2013		Harrison, OH	75.83%		
Mammography Screening	Rank	5th Ranked	Value	5th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value		
	78	Cumberland	53.00%	71.00%	18.00%	↑Good ↓Bad	63.00%	Tyler, WV	71.00%		
Percentage of female Medicare enrollees ages 67-69 that receive mammography screening	For every 100 female Medicare enrollees, get 18 additional Medicare enrollees to receive their mammography screening.									White, GA	67.00%
	Source	Dartmouth Atlas of Health Care			Year(s)	2013		Harrison, OH	50.00%		
High School Graduation	Rank	1st Ranked	Value	1st Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value		
	21	Tipton	93.14%	98.00%	4.86%	↑Good ↓Bad	82.00%	Tyler, WV	87.50%		
Percentage of ninth-grade cohort that graduates in four years	For every 100 ninth graders, assist 5 additional ninth graders to graduate within four years.									White, GA	42.33%
	Source	EDFacts			Year(s)	2012-2013		Harrison, OH	82.50%		
Some College	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value		
	38	Shelby	47.44%	62.28%	14.84%	↑Good ↓Bad	64.00%	Tyler, WV	45.12%		
Percentage of adults ages 25-44 years with some post-secondary education	For every 100 adults between 25-44 years of age, assist 15 additional adults to complete some coursework at the collegiate level.									White, GA	49.78%
	Source	American Community Survey			Year(s)	2010-2014		Harrison, OH	52.05%		
Unemployment	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value		
	93	Robertson	10.12%	5.69%	4.43%	↑Bad ↓Good	6.20%	Tyler, WV	8.93%		
Percentage of population ages 16 and older unemployed but seeking work	For every 100 persons ages 16 years and older, help 5 persons successfully find employment.									White, GA	6.31%
	Source	Bureau of Labor Statistics			Year(s)	2014		Harrison, OH	5.95%		
Children in Poverty	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value		
	46	Dickson	28.20%	21.10%	7.10%	↑Bad ↓Good	22.00%	Tyler, WV	23.60%		
Percentage of children under age 18 in poverty	For every 100 children (under 18 years) in poverty, help 26 children to find assistance to get out of poverty.									White, GA	27.00%
	Source	Small Area Income and Poverty Estimates			Year(s)	2014		Harrison, OH	25.60%		
Income Inequality	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value		
	74	Houston	4.90	4.11	0.79	↑Bad ↓Good	4.70	Tyler, WV	4.46		
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).									White, GA	4.06
	Source	American Community Survey			Year(s)	2010-2014		Harrison, OH	4.21		
Social & Economic Factors	High School Graduation	Rank	1st Ranked	Value	1st Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value	
		21	Tipton	93.14%	98.00%	4.86%	↑Good ↓Bad	82.00%	Tyler, WV	87.50%	

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	62	Lawrence	33.67%	23.36%	10.31%	↑Bad ↓Good	34.00%	Tyler, WV	23.60%
		For every 100 single parent households in the county, investigate ways to encourage 31 households to be a multi-parent household.							White, GA	39.13%	
		Source	American Community Survey				Year(s)	2010-2014	Harrison, OH	30.38%	
Social Associations	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value		
	20	Johnson	14.73	16.13	1.40	↑Good ↓Bad	9.00	Tyler, WV	15.56		
	Number of membership associations per 10,000 population	For every 100 people in the county, increase the number of membership associations by 1.							White, GA	10.07	
		Source	County Business Patterns				Year(s)	2013	Harrison, OH	17.92	
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	392.00	Tyler, WV	174.23		
	Number of reported violent crime offenses per 100,000 population	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		
	65	Washington	100.45	70.04	30.41	↑Bad ↓Good	60.00	Tyler, WV	76.74		
	Number of deaths due to injury per 100,000 population	For every 1,000 population consider ways to prevent 303 deaths as a result of intentional and unintentional injury.							White, GA	73.87	
		Source	CDC WONDER mortality data				Year(s)	2009-2013	Harrison, OH	72.23	
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	11.40	Tyler, WV	13.5		
	Average daily density of fine particulate matter in micrograms per cubic meter (PM2.5)	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	
Drinking Water Violations	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	Tyler, WV	No		
	Percentage of population potentially exposed to water exceeding a violation limit during the past year	There were no health-based drinking water violations.							White, GA	Yes	
		Source	Safe Drinking Water Information System				Year(s)	FY2013-14	Harrison, OH	Yes	
Severe Housing Problems	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value		
	20	Unicoi	12.44%	11.70%	0.73%	↑Bad ↓Good	19.00%	Tyler, WV	9.90%		
	Percentage of households with at least 1 of 4 housing problems: overcrowding, high housing costs, or lack of kitchen or plumbing facilities	For every 100 persons in the county experiencing housing problems, help 6 person(s) to find housing assistance.							White, GA	17.19%	
		Source	Comprehensive Housing Affordability Strategy (CHAS) data				Year(s)	2008-2012	Harrison, OH	14.07%	
Driving Alone to Work	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value		
	36	Grundy	83.87%	80.27%	3.61%	↑Bad ↓Good	76.00%	Tyler, WV	81.55%		
	Percentage of the workforce that drives alone to work	For every 100 persons that currently drive alone to work, convince 5 to carpool or take mass-transportation.							White, GA	83.73%	
		Source	American Community Survey				Year(s)	2010-2014	Harrison, OH	83.65%	
Long Commute - Driving Alone	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value		
	44	Hamilton	35.80%	25.20%	10.60%	↑Bad ↓Good	31.00%	Tyler, WV	44.70%		
	Among workers who commute in their car alone, the percentage that commute more than 30 minutes	For every 100 persons that currently drive more than 30 minutes alone to work, convince 30 to carpool or take mass-transportation.							White, GA	41.90%	
		Source	American Community Survey				Year(s)	2010-2014	Harrison, OH	49.60%	