



2016

DRIVE YOUR COUNTY TO THE
TOP TEN

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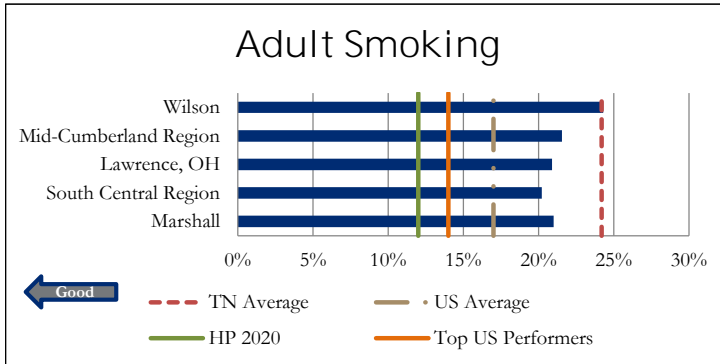
Marshall County

TN

Department of
Health

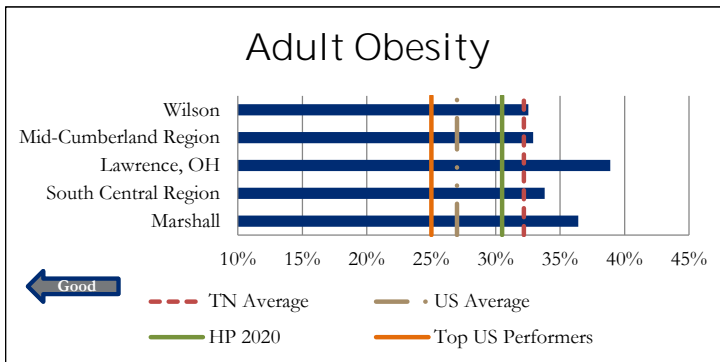
Demographics

Population:	31,269	<18 YOA:	23.75%	65+ YOA:	15.14%	% Rural:	65.80%
Unemployment:	6.43%	% Females:	50.90%	% Males:	49.10%	Graduation Rate:	88.00%
Single parent households:	30.64%	MHI:	\$42,839				



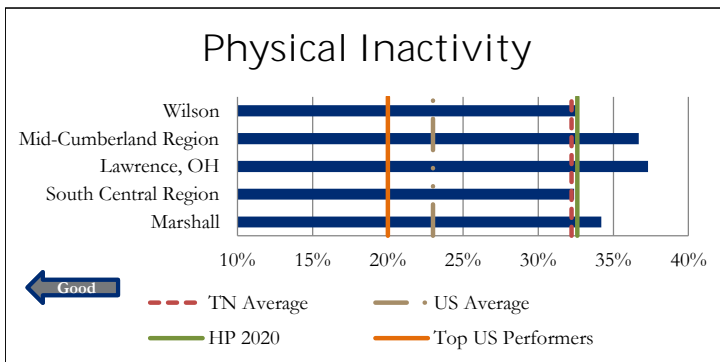
Top Third

Measure	Value
Children in Poverty	22.00%
Preventable Hospital Stays	62.13
Poor Physical Health Days	4.60
Unemployment	6.43%
Premature Death	8558.10
Income Inequality	4.35
Food Environment Index	7.30
Alcohol-Impaired Driving Deaths	23.81%
Poor Mental Health Days	4.60
Severe Housing Problems	12.88%



Middle Third

Measure	Value
Violent Crime	300.07
Children in Single-Parent Households	30.64%
Mammography Screening	61.00%
Injury Deaths	89.01
Dentists	3127:1
Some College	46.59%
Mental Health Providers	2234:1
Diabetic Monitoring	86.78%
Adult Obesity	32.90%
Physical Inactivity	36.70%



Bottom Third

Measure	Value
Primary Care Physicians	6226:1
Excessive Drinking	12.20%
Adult Smoking	24.30%
High School Graduation	88.00%
Air Pollution - Particulate Matter	13.95
Uninsured	17.63%
Long Commute - Driving Alone	41.70%



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.

YOYA: 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	
		23	Knox	8558.10	7735.80	822.30	↑Bad ↓Good	6,600.00	Guernsey, OH	8679.90	
		For every 100 people in the county, 1 people in the county need to live one year closer to age 75.							Randolph, IN	8328.50	
		Source		National Center for Health Statistics - Mortality files			Year(s)	2011-2013	Lawrence, OH	9427.20	
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	
		29	Rutherford	21.40%	19.60%	1.80%	↑Bad ↓Good	18.00%	Guernsey, OH	18.00%	
		Improve the health of 2 out of every 100 people in the county who, in general, report being in poor or fair health.							Randolph, IN	17.60%	
		Source		Behavioral Risk Factor Surveillance System			Year(s)	2014	Lawrence, OH	18.30%	
		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		
	21	Knox	4.60	4.30	0.30	↑Bad ↓Good	3.8	Guernsey, OH	4.10		
	Engage people in the county on ways to reduce number of poor physical health days reported by residents by 1 days per month.							Randolph, IN	4.00		
	Source		Behavioral Risk Factor Surveillance System			Year(s)	2014	Lawrence, OH	4.30		
	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			
26	Williamson	4.60	3.80	0.80	↑Bad ↓Good	2.8	Guernsey, OH	4.30			
Engage people in the county on ways to reduce number of poor physical health days reported by residents by 1 days per month.							Randolph, IN	4.10			
Source		Behavioral Risk Factor Surveillance System			Year(s)	2014	Lawrence, OH	4.50			
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			
54	Pickett	8.92%	7.24%	1.68%	↑Bad ↓Good	8.00%	Guernsey, OH	8.11%			
Reduce the number of low birth weight babies by 2 for every 100 live births.							Randolph, IN	9.25%			
Source		National Center for Health Statistics - Natality files			Year(s)	2007-2013	Lawrence, OH	10.07%			
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	
		68	Humphreys	24.30%	21.10%	3.20%	↑Bad ↓Good	17.00%	Guernsey, OH	21.00%	
	Get 14 out of every 100 current adult smokers in the county to quit smoking.							Randolph, IN	20.20%		
	Source		Behavioral Risk Factor Surveillance System			Year(s)	2014	Lawrence, OH	20.90%		
	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		
	49	Hamilton	32.90%	29.90%	3.00%	↑Bad ↓Good	27.00%	Guernsey, OH	36.40%		
Get 10 out of every 100 current obese adults in the county to reduce their BMI below 30.							Randolph, IN	33.80%			
Source		CDC Diabetes Interactive Atlas			Year(s)	2012	Lawrence, OH	38.90%			
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			
25	Cannon	7.30	7.9	0.6	↑Good ↓Bad	7.20	Guernsey, OH	7.00			
Increase the county's food index score by 0.6.							Randolph, IN	6.80			
Source		USDA Food Environment Atlas, Map the Meal Gap			Year(s)	2013	Lawrence, OH	7.00			
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	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
	52	Shelby	36.70%	30.20%	6.50%	↑Bad ↓Good	23.00%	Guernsey, OH	34.20%
Percentage of adults aged 20 and over reporting no leisure-time physical activity	Get 18 out of every 100 currently physically inactive adults to exercise during leisure time.							Randolph, IN	32.40%
Source	CDC Diabetes Interactive Atlas			Year(s)	2012		Lawrence, OH	37.30%	
Access to Exercise Opportunities	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
	56	Loudon	43.90%	78.48%	34.58%	↑Good ↓Bad	84.00%	Guernsey, OH	48.09%
Percentage of population with adequate access to locations for physical activity	Consider how to remove barriers to access exercise locations to reach an additional 34.58 percent of the county's population.							Randolph, IN	33.21%
Source	Business Analyst, Delorme, ESRI, & US Census Tigerline Files			Year(s)	2010 & 2014		Lawrence, OH	96.23%	
Excessive Drinking	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
	79	Benton	12.20%	10.60%	1.60%	↑Bad ↓Good	17.00%	Guernsey, OH	17.60%
Percentage of adults reporting binge or heavy drinking	Get 14 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.							Randolph, IN	14.20%
Source	Behavioral Risk Factor Surveillance System			Year(s)	2014		Lawrence, OH	15.20%	
Alcohol-Impaired Driving Deaths	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
	25	Sullivan	23.81%	19.17%	4.64%	↑Bad ↓Good	31.00%	Guernsey, OH	30.56%
Percentage of driving deaths with alcohol involvement	Reduce the number of alcohol related driving deaths by 4.64 percent.							Randolph, IN	22.22%
Source	Fatality Analysis Reporting System			Year(s)	2010-2014		Lawrence, OH	35.48%	
Sexually Transmitted Infections	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
	63	Overton	349.71	153.22	196.48	↑Bad ↓Good	446.60	Guernsey, OH	296.36
Number of newly diagnosed chlamydia cases per 100,000 population	Consider ways to educate 6 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.							Randolph, IN	278.91
Source	National Center for HIV/AIDS, Viral Hepatitis, STD, & TB Prevention			Year(s)	2013		Lawrence, OH	175.50	
Teen Births	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
	60	Putnam	52.56	34.87	17.69	↑Bad ↓Good	35.00	Guernsey, OH	39.09
Teen birth rate per 1,000 female population, ages 15-19	For every 100 teenage females (ages 15 to 19 years) in the county, consider ways to prevent 34 teen(s) from becoming pregnant.							Randolph, IN	44.54
Source	National Center for Health Statistics - Natality files			Year(s)	2007-2013		Lawrence, OH	47.68	

Clinical Care

Uninsured	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
	64	Cheatham	17.63%	14.54%	3.09%	↑Bad ↓Good	17.00%	Guernsey, OH	14.10%
Percentage of population under age 65 without health insurance	Get 18 out of every 100 currently uninsured adults ages 18-64 to obtain health insurance.							Randolph, IN	16.94%
Source	Small Area Health Insurance Estimates			Year(s)	2013		Lawrence, OH	13.43%	
Primary Care Physicians	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
	85	Coffee	6226:1	1368:1	4858	↑Bad ↓Good	1320:1	Guernsey, OH	2086:1
Ratio of population to primary care physicians	To reach a population-to-provider ratio at or exceeding that of the 10th ranking county, 70 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.							Randolph, IN	3661:1
Source	Area Health Resource File/American Medical Association			Year(s)	2013		Lawrence, OH	1876:1	
Dentists	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
	40	Dickson	3127:1	1744:1	1383	↑Bad ↓Good	1540:1	Guernsey, OH	2084:1
Ratio of population to dentists	To reach a population-to-provider ratio at or exceeding that of the 10th ranking county, 31 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.							Randolph, IN	4231:1
Source	Area Health Resource File/National Provider Identification file			Year(s)	2014		Lawrence, OH	2934:1	

Health Factors		Clinical Care		Mental Health Providers								
				Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
				42	Henry	2234:1	644:1	1590	↑Bad ↓Good	490:1	Guernsey, OH	1042:1
				To reach a population-to-provider ratio at or exceeding that of the 10th ranking county, 135 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.							Randolph, IN	3626:1
				Source		CMS, National Provider Identification file			Year(s)	2015	Lawrence, OH	1712:1
						Preventable Hospital Stays Rank 10th Ranked Value 10th Ranked Value Difference Shift in Value US Average Peer County Peer Value 18 Anderson 62.13 50.27 11.86 ↑Bad ↓Good 54.00 Guernsey, OH 96.44 For every 100 Medicare enrollees, prevent 1 Medicare enrollees from being hospitalized for ambulatory-care sensitive conditions. Randolph, IN 78.71 Source Dartmouth Atlas of Health Care Year(s) 2013 Lawrence, OH 105.81						
				44	Giles	86.78%	89.20%	2.42%	↑Good ↓Bad	63.00%	Guernsey, OH	84.23%
				For every 100 diabetic Medicare enrollees, get 3 additional Medicare enrollees to receive HbA1c screening.							Randolph, IN	85.27%
				Source		Dartmouth Atlas of Health Care			Year(s)	2013	Lawrence, OH	85.02%
						Mammography Screening Rank 5th Ranked Value 5th Ranked Value Difference Shift in Value US Average Peer County Peer Value 36 Cumberland 61.00% 71.00% 10.00% ↑Good ↓Bad 63.00% Guernsey, OH 64.00% For every 100 female Medicare enrollees, get 10 additional Medicare enrollees to receive their mammography screening. Randolph, IN 71.00% Source Dartmouth Atlas of Health Care Year(s) 2013 Lawrence, OH 56.00%						
				67	Tipton	88.00%	98.00%	10.00%	↑Good ↓Bad	82.00%	Guernsey, OH	88.53%
				For every 100 ninth graders, assist 10 additional ninth graders to graduate within four years.							Randolph, IN	87.15%
				Source		EDFacts			Year(s)	2012-2013	Lawrence, OH	92.20%
						Some College Rank 10th Ranked Value 10th Ranked Value Difference Shift in Value US Average Peer County Peer Value 41 Shelby 46.59% 62.28% 15.70% ↑Good ↓Bad 64.00% Guernsey, OH 49.67% For every 100 adults between 25-44 years of age, assist 16 additional adults to complete some coursework at the collegiate level. Randolph, IN 55.48% Source American Community Survey Year(s) 2010-2014 Lawrence, OH 48.02%						
				22	Robertson	6.43%	5.69%	0.74%	↑Bad ↓Good	6.20%	Guernsey, OH	6.67%
				For every 100 persons ages 16 years and older, help 1 persons successfully find employment.							Randolph, IN	6.58%
				Source		Bureau of Labor Statistics			Year(s)	2014	Lawrence, OH	6.53%
						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% Guernsey, OH 26.40% For every 100 children (under 18 years) in poverty, help 5 children to find assistance to get out of poverty. Randolph, IN 23.70% Source Small Area Income and Poverty Estimates Year(s) 2014 Lawrence, OH 27.40%						
				23	Houston	4.35	4.11	0.24	↑Bad ↓Good	4.70	Guernsey, OH	4.37
				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).							Randolph, IN	4.18
				Source		American Community Survey			Year(s)	2010-2014	Lawrence, OH	4.78
						Income Inequality Rank 10th Ranked Value 10th Ranked Value Difference Shift in Value US Average Peer County Peer Value 23 Houston 4.35 4.11 0.24 ↑Bad ↓Good 4.70 Guernsey, OH 4.37 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). Randolph, IN 4.18 Source American Community Survey Year(s) 2010-2014 Lawrence, OH 4.78						

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
		34	Lawrence	30.64%	23.36%	7.27%	↑Bad ↓Good	34.00%	Guernsey, OH	32.59%
		For every 100 single parent households in the county, investigate ways to encourage 24 households to be a multi-parent household.							Randolph, IN	34.44%
		Source		American Community Survey		Year(s)		2010-2014	Lawrence, OH	37.01%
		Percentage of children that live in a household headed by single parent								
Health Factors	Social & Economic Factors	Social Associations								
		Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
		59	Johnson	9.96	16.13	6.17	↑Good ↓Bad	9.00	Guernsey, OH	15.64
		For every 100 people in the county, increase the number of membership associations by 1.							Randolph, IN	19.90
		Source		County Business Patterns		Year(s)		2013	Lawrence, OH	10.50
		Number of membership associations per 10,000 population								
Health Factors	Social & Economic Factors	Violent Crime								
		Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
		33	Carter	300.07	206.33	93.74	↑Bad ↓Good	392.00	Guernsey, OH	141.84
		For every 100 persons in the county, prevent 32 people from committing a violent crime.							Randolph, IN	24.93
		Source		Uniform Crime Reporting - FBI		Year(s)		2010-2012	Lawrence, OH	166.55
		Number of reported violent crime offenses per 100,000 population								
Health Factors	Social & Economic Factors	Injury Deaths								
		Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
		39	Washington	89.01	70.04	18.97	↑Bad ↓Good	60.00	Guernsey, OH	71.10
		For every 1,000 population consider ways to prevent 214 deaths as a result of intentional and unintentional injury.							Randolph, IN	65.41
		Source		CDC WONDER mortality data		Year(s)		2009-2013	Lawrence, OH	73.81
		Number of deaths due to injury per 100,000 population								
Health Factors	Social & Economic Factors	Air Pollution - Particulate Matter								
		Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
		66	Greene	13.95	13.14	0.81	↑Bad ↓Good	11.40	Guernsey, OH	13.73
		Reduce the average daily measure of fine particulate matter by 0.81 micrograms per cubic meter (PM2.5).							Randolph, IN	13.46
		Source		CDC WONDER Environmental data		Year(s)		2011	Lawrence, OH	13.13
		Average daily density of fine particulate matter in micrograms per cubic meter (PM2.5)								
Health Factors	Physical Environment	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	Guernsey, OH	No
		There were no health-based drinking water violations.							Randolph, IN	No
		Source		Safe Drinking Water Information System		Year(s)		FY2013-14	Lawrence, OH	No
		Percentage of population potentially exposed to water exceeding a violation limit during the past year								
Health Factors	Physical Environment	Severe Housing Problems								
		Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
		27	Unicoi	12.88%	11.70%	1.18%	↑Bad ↓Good	19.00%	Guernsey, OH	12.71%
		For every 100 persons in the county experiencing housing problems, help 10 person(s) to find housing assistance.							Randolph, IN	12.45%
		Source		Comprehensive Housing Affordability Strategy (CHAS) data		Year(s)		2008-2012	Lawrence, OH	12.07%
		Percentage of households with at least 1 of 4 housing problems: overcrowding, high housing costs, or lack of kitchen or plumbing facilities								
Health Factors	Physical Environment	Driving Alone to Work								
		Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
		59	Grundy	85.57%	80.27%	5.30%	↑Bad ↓Good	76.00%	Guernsey, OH	85.38%
		For every 100 persons that currently drive alone to work, convince 7 to carpool or take mass-transportation.							Randolph, IN	83.75%
		Source		American Community Survey		Year(s)		2010-2014	Lawrence, OH	89.07%
		Percentage of the workforce that drives alone to work								
Health Factors	Physical Environment	Long Commute - Driving Alone								
		Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
		64	Hamilton	41.70%	25.20%	16.50%	↑Bad ↓Good	31.00%	Guernsey, OH	27.40%
		For every 100 persons that currently drive more than 30 minutes alone to work, convince 40 to carpool or take mass-transportation.							Randolph, IN	34.00%
		Source		American Community Survey		Year(s)		2010-2014	Lawrence, OH	29.20%
		Among workers who commute in their car alone, the percentage that commute more than 30 minutes								