2016

DRIVE YOUR COUNTY TO THE
TOP TEN

INFORMING • CONNECTING • ACCELERATING
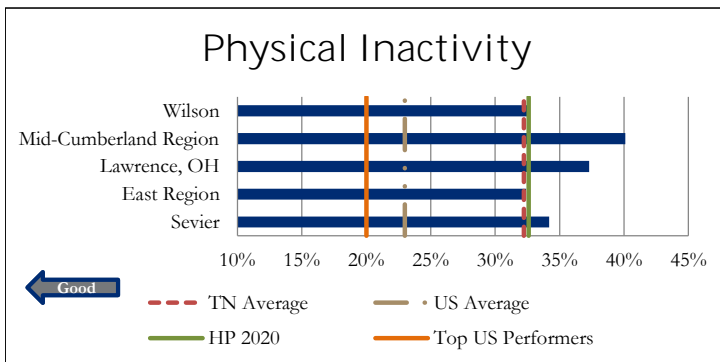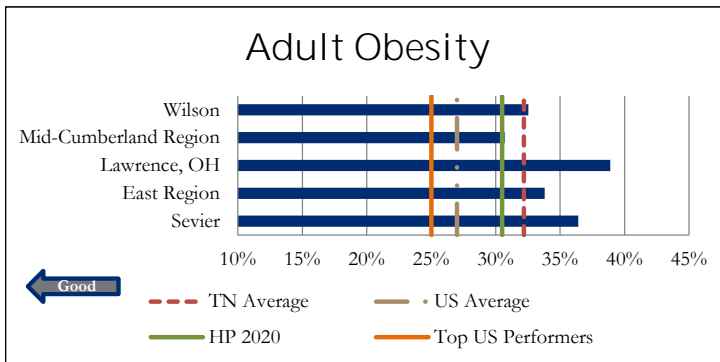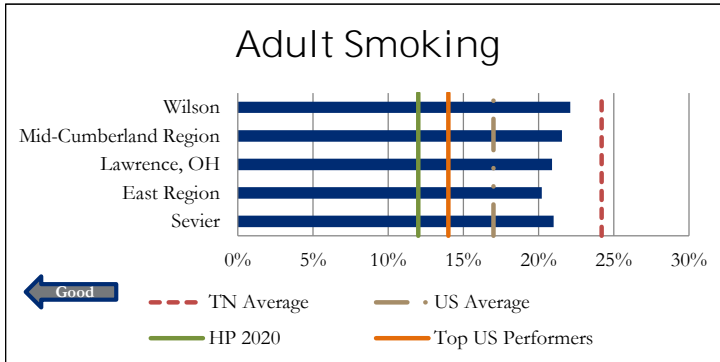
Sevier County

TN Department of
Health

Demographics

Population:	95,110	**<18 YOA:**	21.14%	**65+ YOA:**	17.72%	**% Rural:** 56.60%
Unemployment:	7.17%	**% Females:**	50.90%	**% Males:**	49.10%	**Graduation Rate:** 84.00%
Single parent households:	33.37%	**MHI:**	$39,905			

Adult Smoking

Categories: Wilson, Mid-Cumberland Region, Lawrence, OH, East Region, Sevier

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

← Good

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

Adult Obesity

Categories: Wilson, Mid-Cumberland Region, Lawrence, OH, East Region, Sevier

Axis: 10% 15% 20% 25% 30% 35% 40% 45%

← Good

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

Physical Inactivity

Categories: Wilson, Mid-Cumberland Region, Lawrence, OH, East Region, Sevier

Axis: 10% 15% 20% 25% 30% 35% 40% 45%

← Good

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

Top Third

Measure	Value
Preventable Hosptial Stays	38.46
Driving Alone to Work	76.84%
Access to Exercise Opportunities	82.47%
Premature Death	8245.70
Mammography Screening	63.00%
Income Inequality	4.32
Adult Obesity	30.70%
Air Pollution - Particulate Matter	13.30
Adult Smoking	22.10%
Poor or Fair Health	21.20%

Middle Third

Measure	Value
Diabetic Monitoring	87.54%
Mental Health Providers	1829:1
Some College	48.05%
Unemployment	7.17%
Children in Poverty	26.50%
Sexually Transmitted Infections	252.94
Dentists	3170:1
Violent Crime	347.13
Primary Care Physicians	2399:1
Long Commute - Driving Alone	38.40%

Bottom Third

Measure	Value
Uninsured	22.22%
Physical Inactivity	40.10%
High School Graduation	84.00%
Excessive Drinking	12.00%

Tobacco Use   Obesity   Physical Inactivity   Substance Abuse
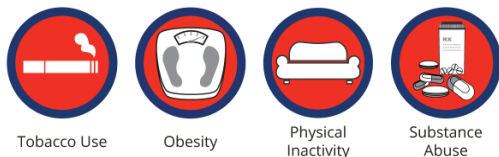
Tennessee's Big 3 + 1

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
	15	Knox	8245.70	7735.80	509.90	↑Bad ↓Good	6,600.00	Guernsey, OH	8679.90
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.							Randolph, IN	8328.50
	Source	National Center for Health Statistics - Mortality files				Year(s)	2011-2013	Lawrence, OH	9427.20

Quality of Life

Poor or Fair Health*	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
	25	Rutherford	21.20%	19.60%	1.60%	↑Bad ↓Good	18.00%	Guernsey, OH	18.00%
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.							Randolph, IN	17.60%
	Source	Behavioral Risk Factor Surveillance System				Year(s)	2014	Lawrence, OH	18.30%

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	Guernsey, OH	4.10
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.							Randolph, IN	4.00
	Source	Behavioral Risk Factor Surveillance System				Year(s)	2014	Lawrence, OH	4.30

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
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.							Randolph, IN	4.10
	Source	Behavioral Risk Factor Surveillance System				Year(s)	2014	Lawrence, OH	4.50

Low Birthweight	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
	56	Pickett	8.94%	7.24%	1.70%	↑Bad ↓Good	8.00%	Guernsey, OH	8.11%
Percentage of live births with low birthweight (< 2500 grams)	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%

Health Factors

Health Behaviors

Adult Smoking*	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
	21	Humphreys	22.10%	21.10%	1.00%	↑Bad ↓Good	17.00%	Guernsey, OH	21.00%
Percentage of adults who are current smokers	Get 5 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%

Adult Obesity	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
	20	Hamilton	30.70%	29.90%	0.80%	↑Bad ↓Good	27.00%	Guernsey, OH	36.40%
Percentage of adults that report a BMI of 30 or more	Get 3 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%

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

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
90	Shelby	40.10%	30.20%	9.90%	↑Bad ↓Good	23.00%	Guernsey, OH	34.20%
Get 25 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

Percentage of population with adequate access to locations for physical activity

Rank	1st Ranked	Value	1st Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
5	Johnson	82.47%	100.00%	17.53%	↑Good ↓Bad	84.00%	Guernsey, OH	48.09%
Consider how to remove barriers to access exercise locations to reach an additional 17.53 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

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
75	Benton	12.00%	10.60%	1.40%	↑Bad ↓Good	17.00%	Guernsey, OH	17.60%
Get 12 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

Percentage of driving deaths with alcohol involvement

Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
54	Sullivan	31.46%	19.17%	12.29%	↑Bad ↓Good	31.00%	Guernsey, OH	30.56%
Reduce the number of alcohol related driving deaths by 12.29 percent.							Randolph, IN	22.22%
Source	Fatality Analysis Reporting System				Year(s)	2010-2014	Lawrence, OH	35.48%

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
37	Overton	252.94	153.22	99.72	↑Bad ↓Good	446.60	Guernsey, OH	296.36
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.							Randolph, IN	278.91
Source National Center for HIV/AIDS, Viral Hepatitis, STD, & TB Prevention					Year(s)	2013	Lawrence, OH	175.50

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
61	Putnam	53.13	34.87	18.26	↑Bad ↓Good	35.00	Guernsey, OH	39.09
For every 100 teenage females (ages 15 to 19 years) in the county, consider ways to prevent 35 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

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
95	Cheatham	22.22%	14.54%	7.68%	↑Bad ↓Good	17.00%	Guernsey, OH	14.10%
Get 35 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

Ratio of population to primary care physicians

Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
49	Coffee	2399:1	1368:1	1031	↑Bad ↓Good	1320:1	Guernsey, OH	2086:1
To reach a population-to-provider ratio at or exceeding that of the 10th ranking county, 39 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

Ratio of population to dentists

Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
42	Dickson	3170:1	1744:1	1426	↑Bad ↓Good	1540:1	Guernsey, OH	2084:1
To reach a population-to-provider ratio at or exceeding that of the 10th ranking county, 32 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
Ratio of population to mental health providers

Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
35	Henry	1829:1	644:1	1185	↑Bad ↓Good	490:1	Guernsey, OH	1042:1

To reach a population-to-provider ratio at or exceeding that of the 10th ranking county, 123 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
Number of hospital stays for ambulatory-care sensitive conditions per 1,000 Medicare enrollees

Rank	1st Ranked	Value	1st Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
2	Cumberland	38.46	38.43	0.03	↑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 |

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
33	Giles	87.54%	89.20%	1.66%	↑Good ↓Bad	63.00%	Guernsey, OH	84.23%

For every 100 diabetic Medicare enrollees, get 2 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
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%	Guernsey, OH	64.00%

For every 100 female Medicare enrollees, get 8 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% |

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
79	Tipton	84.00%	98.00%	14.00%	↑Good ↓Bad	82.00%	Guernsey, OH	88.53%

For every 100 ninth graders, assist 14 additional ninth graders to graduate within four years.

| | | | | | | | Randolph, IN | 87.15% |

| **Source** | EDFacts | | | **Year(s)** | 2012-2013 | Lawrence, OH | 92.20% |

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

Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
35	Shelby	48.05%	62.28%	14.24%	↑Good ↓Bad	64.00%	Guernsey, OH	49.67%

For every 100 adults between 25-44 years of age, assist 15 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% |

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
35	Robertson	7.17%	5.69%	1.48%	↑Bad ↓Good	6.20%	Guernsey, OH	6.67%

For every 100 persons ages 16 years and older, help 2 persons successfully find employment.

| | | | | | | | Randolph, IN | 6.58% |

| **Source** | Bureau of Labor Statistics | | | **Year(s)** | 2014 | Lawrence, OH | 6.53% |

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
36	Dickson	26.50%	21.10%	5.40%	↑Bad ↓Good	22.00%	Guernsey, OH	26.40%

For every 100 children (under 18 years) in poverty, help 21 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% |

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
19	Houston	4.32	4.11	0.21	↑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

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
	58	Lawrence	33.37%	23.36%	10.01%	↑Bad ↓Good	34.00%	Guernsey, OH	32.59%
For every 100 single parent households in the county, investigate ways to encourage 30 households to be a multi-parent household.								Randolph, IN	34.44%
Source	American Community Survey				**Year(s)**		2010-2014	Lawrence, OH	37.01%

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
	57	Johnson	10.15	16.13	5.98	↑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

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
	48	Carter	347.13	206.33	140.80	↑Bad ↓Good	392.00	Guernsey, OH	141.84
For every 100 persons in the county, prevent 41 people from committing a violent crime.								Randolph, IN	24.93
Source	Uniform Crime Reporting - FBI				**Year(s)**		2010-2012	Lawrence, OH	166.55

Injury Deaths

Number of deaths due to injury per 100,000 population

	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
	28	Washington	79.29	70.04	9.26	↑Bad ↓Good	60.00	Guernsey, OH	71.10
For every 1,000 population consider ways to prevent 117 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

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
	20	Greene	13.30	13.14	0.16	↑Bad ↓Good	11.40	Guernsey, OH	13.73
Reduce the average daily measure of fine particulate matter by 0.16 micrograms per cubic meter (PM2.5).								Randolph, IN	13.46
Source	CDC WONDER Environmental data				**Year(s)**		2011	Lawrence, OH	13.13

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	Yes	No	NA	NA	NA	Guernsey, OH	No
At least one community water system in the county receive a violation during the specific timeframe								Randolph, IN	No
Source	Safe Drinking Water Information System				**Year(s)**		FY2013-14	Lawrence, OH	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
	60	Unicoi	14.49%	11.70%	2.79%	↑Bad ↓Good	19.00%	Guernsey, OH	12.71%
For every 100 persons in the county experiencing housing problems, help 20 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%

Driving Alone to Work

Percentage of the workforce that drives alone to work

	Rank	1st Ranked	Value	1st Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
	3	Perry	76.84%	75.39%	1.45%	↑Bad ↓Good	76.00%	Guernsey, OH	85.38%
For every 100 persons that currently drive alone to work, convince 2 to carpool or take mass-transportation.								Randolph, IN	83.75%
Source	American Community Survey				**Year(s)**		2010-2014	Lawrence, OH	89.07%

Long Commute - Driving Alone

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

	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
	52	Hamilton	38.40%	25.20%	13.20%	↑Bad ↓Good	31.00%	Guernsey, OH	27.40%
For every 100 persons that currently drive more than 30 minutes alone to work, convince 35 to carpool or take mass-transportation.								Randolph, IN	34.00%
Source	American Community Survey				**Year(s)**		2010-2014	Lawrence, OH	29.20%