2015

DRIVE YOUR COUNTY TO THE TOP TEN:
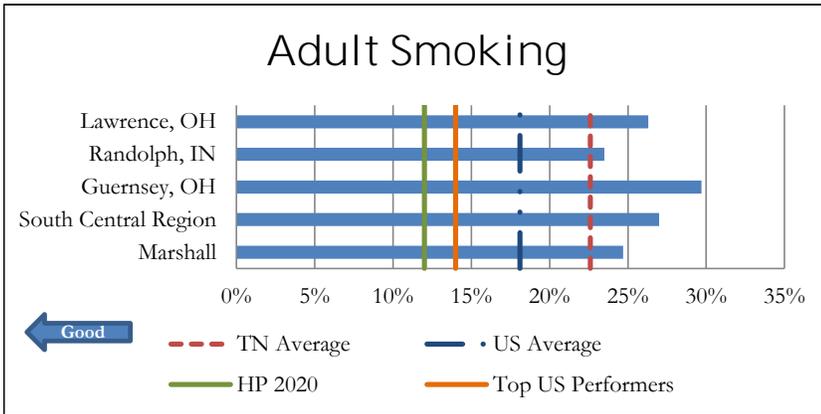
Accelerating Action Towards Improving County Health

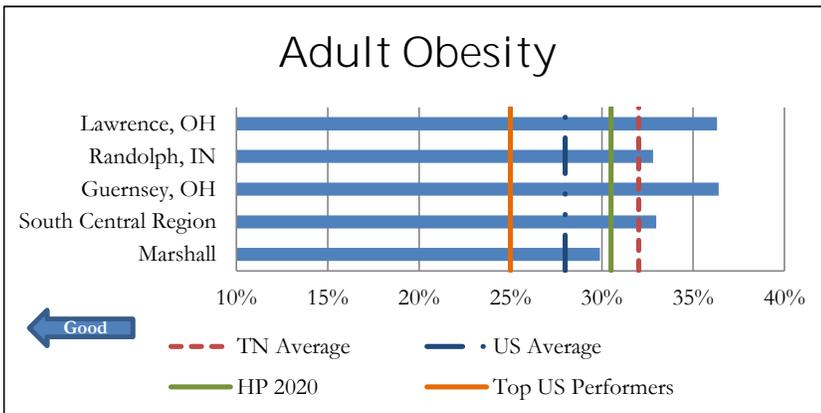# Marshall County

TN Department of
Health

Demographics

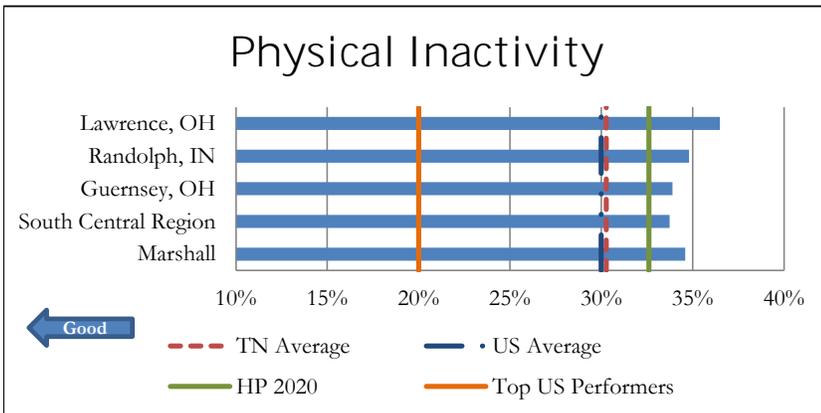|							
Population:	31,130	**<18 YOA:**	23.99%	**65+ YOA:**	14.74%	**% Rural:**	65.82%
Unemployment:	10.08%	**% Females:**	50.89%	**% Males:**	49.11%	**Graduation Rate:**	92.00
Single parent households:	27.99%	**MHI:**	$42,363				

Adult Smoking

Lawrence, OH
Randolph, IN
Guernsey, OH
South Central Region
Marshall

0% 5% 10% 15% 20% 25% 30% 35%

Good

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

Adult Obesity

Lawrence, OH
Randolph, IN
Guernsey, OH
South Central Region
Marshall

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

Good

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

Physical Inactivity

Lawrence, OH
Randolph, IN
Guernsey, OH
South Central Region
Marshall

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

Good

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

Top Third

Measure	Value
Drinking Water Violations	0.00%
Preventable Hosiptial Stays	58.47
Poor Mental Health Days	3.00
Adult Obesity	29.90%
Alcohol-Impaired Driving Deaths	21.43%
Children in Poverty	23.20%
Mammography Screening	64.08%
Premature Death	8,367.22
Income Inequality	4.30
Children in Single-Parent Households	27.99%

Middle Third

Measure	Value
Violent Crime	300.07
Poor or Fair Health	21.40%
Adult Smoking	24.70%
Dentists	3113:1
Mental Health Providers	2224:1
Driving Alone to Work	84.34%
Food Environment Index	7.30
Injury Deaths	88.30
High School Graduation	92.00%
Some College	45.77%

Bottom Third

Measure	Value
Diabetic Monitoring	84.12%
Poor Physical Health Days	5.90
Primary Care Physicians	4412:1
Uninsured	17.70%
Access to Exercise Opportunities	44.66%
Air Pollution - Particulate Matter	13.95

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
	20	Lewis	8367.22	7769.75	597.47	↑Bad ↓Good	6,811.00	Guernsey, OH	8186.66
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	7617.48
	Source	National Center for Health Statistics - Mortality files			Year(s)		2010-2012	Lawrence, OH	9705.35

Quality of Life

Poor or Fair Health	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
	37	Putnam	21.40%	16.60%	4.80%	↑Bad ↓Good	12.40%	Guernsey, OH	15.40%
Percentage of adults reporting fair or poor health (age-adjusted)	Improve the health of 5 out of every 100 people in the county who, in general, report being in poor or fair health.							Randolph, IN	20.10%
	Source	Behavioral Risk Factor Surveillance System			Year(s)		2006-2012	Lawrence, OH	27.90%

Poor Physical Health Days*	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
	73	Chester	5.90	3.40	2.50	↑Bad ↓Good	3.70	Guernsey, OH	4.20
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 3 days per month.							Randolph, IN	5.00
	Source	Behavioral Risk Factor Surveillance System			Year(s)		2006-2012	Lawrence, OH	7.10

Poor Mental Health Days	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
	14	Henderson	3.00	2.80	0.20	↑Bad ↓Good	3.50	Guernsey, OH	4.40
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	3.60
	Source	Behavioral Risk Factor Surveillance System			Year(s)		2006-2012	Lawrence, OH	6.10

Low Birthweight	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
	58	Lewis	8.94%	7.29%	1.65%	↑Bad ↓Good	8.10%	Guernsey, OH	8.32%
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	8.35%
	Source	National Center for Health Statistics - Natality files			Year(s)		2006-2012	Lawrence, OH	10.89%

Health Factors

Health Behaviors

Adult Smoking	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
	37	Knox	24.70%	18.50%	6.20%	↑Bad ↓Good	18.10%	Guernsey, OH	29.70%
Percentage of adults who are current smokers	Get 26 out of every 100 current adult smokers in the county to quit smoking.							Randolph, IN	23.50%
	Source	Behavioral Risk Factor Surveillance System			Year(s)		2006-2012	Lawrence, OH	26.30%

Adult Obesity	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
	15	Hamilton	29.90%	29.10%	0.80%	↑Bad ↓Good	28.00%	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	32.80%
	Source	CDC Diabetes Interactive Atlas			Year(s)		2011	Lawrence, OH	36.30%

Food Environment Index	Rank	1st Ranked	Value	1st Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
	42	Williamson	7.30	8.9	1.6	↑Good ↓Bad	7.60	Guernsey, OH	7.20
Index of factors that contribute to a healthy food environment, 0 (worst) to 10 (best)	Increase the county's food index score by 1.6.							Randolph, IN	6.90
	Source	USDA Food Environment Atlas, Map the Meal Gap			Year(s)		2012	Lawrence, OH	7.30

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
59	Wilson	34.60%	28.50%	6.10%	↑Bad ↓Good	30.00%	Guernsey, OH	33.90%
Get 18 out of every 100 currently physically inactive adults to exercise during leisure time.							Randolph, IN	34.80%
Source	CDC Diabetes Interactive Atlas				**Year(s)**	2011	Lawrence, OH	36.50%

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
66	Loudon	44.66%	78.50%	33.84%	↑Good ↓Bad	77.00%	Guernsey, OH	48.47%
Consider how to remove barriers to access exercise locations to reach an additional 33.84 percent of the county's population.							Randolph, IN	32.15%
Source	Business Analyst, Delorme, ESRI, & US Census Tigerline Files				**Year(s)**	2010 & 2013	Lawrence, OH	95.51%

Excessive Drinking
Percentage of adults reporting binge or heavy drinking

Rank	1st Ranked	Value	1st Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
NA	Greene	NA	3.30%	NA	↑Bad ↓Good	15.00%	Guernsey, OH	13.80%
No information available							Randolph, IN	16.00%
Source	Behavioral Risk Factor Surveillance System				**Year(s)**	2006-2012	Lawrence, OH	13.30%

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
15	McNairy	21.43%	18.75%	2.68%	↑Bad ↓Good	32.00%	Guernsey, OH	33.33%
Reduce the number of alcohol related driving deaths by 2.68 percent.							Randolph, IN	17.65%
Source	Fatality Analysis Reporting System				**Year(s)**	2009-2013	Lawrence, OH	35.29%

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
46	Scott	294.70	144.30	150.40	↑Bad ↓Good	458.00	Guernsey, OH	268.70
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	232.40
Source National Center for HIV/AIDS, Viral Hepatitis, STD, & TB Prevention					**Year(s)**	2012	Lawrence, OH	215.70

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
58	Putnam	53.34	37.04	16.29	↑Bad ↓Good	31.00	Guernsey, OH	40.89
For every 100 teenage females (ages 15 to 19 years) in the county, consider ways to prevent 31 teen(s) from becoming pregnant.							Randolph, IN	45.17
Source	National Center for Health Statistics - Natality files				**Year(s)**	2006-2012	Lawrence, OH	48.78

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
70	Blount	17.70%	14.64%	3.06%	↑Bad ↓Good	18.00%	Guernsey, OH	14.71%
Get 18 out of every 100 currently uninsured adults ages 18-64 to obtain health insurance.							Randolph, IN	17.78%
Source	Small Area Health Insurance Estimates				**Year(s)**	2012	Lawrence, OH	14.06%

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
73	Anderson	4412:1	1397:1	3015	↑Bad ↓Good	1,355.00	Guernsey, OH	1991:1
To reach a population-to-provider ratio at or exceeding that of the 10th ranking county, 16 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	4303:1
Source	Area Health Resource File/American Medical Association				**Year(s)**	2012	Lawrence, OH	2142:1

Dentists
Ratio of population to dentists

Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
37	Maury	3113:1	1675:1	1438	↑Bad ↓Good	1,663.00	Guernsey, OH	2086:1
To reach a population-to-provider ratio at or exceeding that of the 10th ranking county, 9 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	5125:1
Source	Area Health Resource File/American Medical Association				**Year(s)**	2013	Lawrence, OH	3642:1

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
40	McNairy	2224:1	688:1	1536	↑Bad ↓Good	753	Guernsey, OH	1132:1
To reach a population-to-provider ratio at or exceeding that of the 10th ranking county, 32 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	4271:1
Source	CMS, National Provider Identification file				**Year(s)**	2014	Lawrence, OH	2135:1

Preventable Hospital Stays

Number of hospital stays for ambulatory-care sensitive conditions per 1,000 Medicare enrollees

Rank	5th Ranked	Value	5th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
10	Knox	58.47	49.14	9.33	↑Bad ↓Good	65.00	Guernsey, OH	116.49
For every 100 Medicare enrollees, prevent 1 Medicare enrollees from being hospitalized for ambulatory-care sensitive conditions.							Randolph, IN	80.22
Source	Dartmouth Atlas of Health Care				**Year(s)**	2012	Lawrence, OH	91.63

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
74	Crockett	84.12%	88.92%	4.81%	↑Good ↓Bad	84.00%	Guernsey, OH	78.74%
For every 100 diabetic Medicare enrollees, get 5 additional Medicare enrollees to receive HbA1c screening.							Randolph, IN	86.45%
Source	Dartmouth Atlas of Health Care				**Year(s)**	2012	Lawrence, OH	79.39%

Mammography Screening

Percentage of female Medicare enrollees ages 67-69 that receive mammography screening

Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
18	Knox	64.08%	65.71%	1.63%	↑Good ↓Bad	63.00%	Guernsey, OH	63.84%
For every 100 female Medicare enrollees, get 2 additional Medicare enrollees to receive their mammography screening.							Randolph, IN	64.69%
Source	Dartmouth Atlas of Health Care				**Year(s)**	2012	Lawrence, OH	56.79%

Social & Economic Factors

High School Graduation

Percentage of ninth-grade cohort that graduates in four years

Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
44	Carroll	92.00%	95.32%	3.32%	↑Good ↓Bad	80.00%	Guernsey, OH	90.71%
For every 100 ninth graders, assist 4 additional ninth graders to graduate within four years.							Randolph, IN	90.00%
Source	data.gov, supplemented w/ National Center for Education Statistics			**Year(s)**		2011-2012	Lawrence, OH	90.96%

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
45	Shelby	45.77%	62.09%	16.33%	↑Good ↓Bad	63.00%	Guernsey, OH	47.78%
For every 100 adults between 25-44 years of age, assist 1633 additional adults to complete some coursework at the collegiate level.							Randolph, IN	54.49%
Source	American Community Survey				**Year(s)**	2009-2013	Lawrence, OH	48.43%

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
59	Blount	10.08%	6.89%	3.19%	↑Bad ↓Good	8.10%	Guernsey, OH	8.23%
For every 100 persons ages 16 years and older, help 4 persons successfully find employment.							Randolph, IN	8.56%
Source	Bureau of Labor Statistics				**Year(s)**	2013	Lawrence, OH	7.88%

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
15	Montgomery	23.20%	21.40%	1.80%	↑Bad ↓Good	23.00%	Guernsey, OH	33.90%
For every 100 children (under 18 years) in poverty, help 8 children to find assistance to get out of poverty.							Randolph, IN	26.20%
Source	Small Area Income and Poverty Estimates				**Year(s)**	2013	Lawrence, OH	28.50%

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
21	Williamson	4.30	4.11	0.19	↑Bad ↓Good	NA	Guernsey, OH	4.46
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	4.11
Source	American Community Survey				**Year(s)**	2009-2013	Lawrence, OH	4.66

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
	24	Cheatham	27.99%	25.43%	2.56%	↑Bad ↓Good	21.00%	Guernsey, OH	32.44%
	For every 100 single parent households in the county, investigate ways to encourage 10 households to be a multi-parent household.							Randolph, IN	34.99%
	Source	American Community Survey				**Year(s)**	2009-2013	Lawrence, OH	37.50%

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
	60	Henry	9.71	16.70	6.98	↑Good ↓Bad	33.00%	Guernsey, OH	16.07
	For every 100 people in the county, increase the number of membership associations by 1.							Randolph, IN	18.98
	Source	County Business Patterns				**Year(s)**	2012	Lawrence, OH	11.11

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
	33	Carter	300.07	206.33	93.74	↑Bad ↓Good	387.00	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

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
	42	Fayette	88.30	68.81	19.48	↑Bad ↓Good	59.00	Guernsey, OH	66.36
	For every 1,000 population consider ways to prevent 221 deaths as a result of intentional and unintentional injury.							Randolph, IN	55.88
	Source	CDC WONDER mortality data				**Year(s)**	2008-2012	Lawrence, OH	71.71

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
	66	Greene	13.95	13.14	0.81	↑Bad ↓Good	11.10	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

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
	1	Anderson	0.00%	0.00%	0.00%	↑Bad ↓Good	8.00%	Guernsey, OH	1.37%
	No Action Required							Randolph, IN	0.00%
	Source	Safe Drinking Water Information System				**Year(s)**	FY2013-14	Lawrence, OH	0.00%

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
	45	Lewis	13.61%	10.96%	2.65%	↑Bad ↓Good	19.00%	Guernsey, OH	12.38%
	For every 100 persons in the county experiencing housing problems, help 20 person(s) to find housing assistance.							Randolph, IN	12.18%
	Source	Comprehensive Housing Affordability Strategy (CHAS) data			**Year(s)**		2007-2011	Lawrence, OH	12.62%

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
	41	Davidson	84.34%	80.03%	4.31%	↑Bad ↓Good	76.00%	Guernsey, OH	85.44%
	For every 100 persons that currently drive alone to work, convince 6 to carpool or take mass-transportation.							Randolph, IN	83.25%
	Source	American Community Survey				**Year(s)**	2009-2013	Lawrence, OH	88.89%

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
	63	Hamilton	41.10%	25.10%	16.00%	↑Bad ↓Good	34.00%	Guernsey, OH	26.40%
	For every 100 persons that currently drive more than 30 minutes alone to work, convince 39 to carpool or take mass-transportation.							Randolph, IN	33.40%
	Source	American Community Survey				**Year(s)**	2009-2013	Lawrence, OH	29.60%