2015

DRIVE YOUR COUNTY TO THE TOP TEN:

Accelerating Action Towards Improving County Health
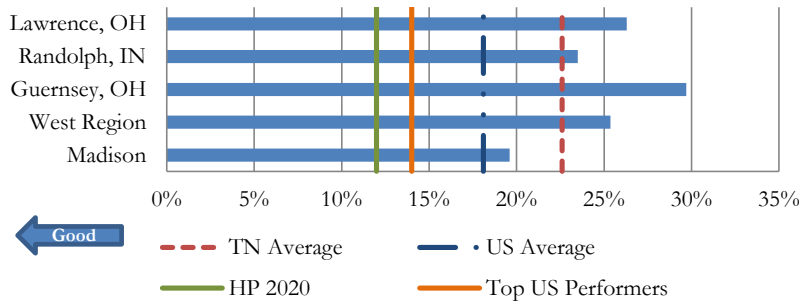
Madison County

TN Department of
Health

Demographics

Population:	98,733	**<18 YOA:**	23.19%	**65+ YOA:**	14.37%	**% Rural:**	25.83%
Unemployment:	8.44%	**% Females:**	52.58%	**% Males:**	47.42%	**Graduation Rate:**	95.00
Single parent households:	44.21%	**MHI:**	$40,750				

Adult Smoking

Lawrence, OH
Randolph, IN
Guernsey, OH
West Region
Madison

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
West Region
Madison

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
West Region
Madison

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%
Long Commute - Driving Alone	15.80%
Primary Care Physicians	720:1
Mental Health Providers	447:1
Injury Deaths	63.27
Social Associations	17.33
Dentists	1592:1
High School Graduation	95.00%
Adult Smoking	19.60%
Physical Inactivity	29.50%
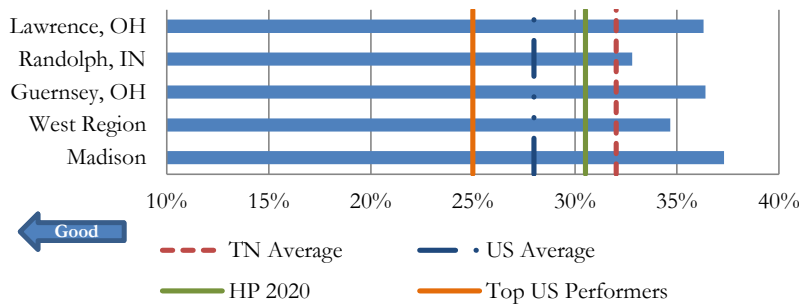
Middle Third

Measure	Value
Teen Births	46.44
Uninsured	16.50%
Mammography Screening	60.00%
Driving Alone to Work	84.84%
Diabetic Monitoring	86.78%
Alcohol-Impaired Driving Deaths	28.57%
Air Pollution - Particulate Matter	13.85
Children in Poverty	30.40%
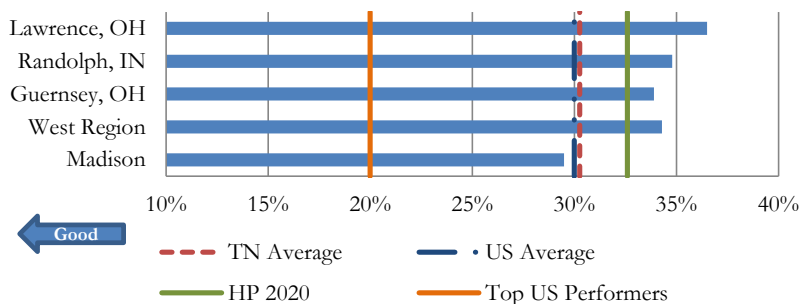
Bottom Third

Measure	Value
Adult Obesity	37.30%
Violent Crime	887.56
Severe Housing Problems	18.64%
Sexually Transmitted Infections	902.10
Children in Single-Parent Households	44.21%
Income Inequality	5.22
Food Environment Index	6.20
Low Birthweight	10.10%

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

Years of potential life lost before age 75 per 100,000 population (age-adjusted)

Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
18	Lewis	8356.59	7769.75	586.84	↑Bad ↓Good	6,811.00	Guernsey, OH	8186.66
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

Percentage of adults reporting fair or poor health (age-adjusted)

Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
23	Putnam	19.00%	16.60%	2.40%	↑Bad ↓Good	12.40%	Guernsey, OH	15.40%
Improve the health of 3 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*

Average number of physically unhealthy days reported in past 30 days (age-adjusted)

Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
16	Chester	3.80	3.40	0.40	↑Bad ↓Good	3.70	Guernsey, OH	4.20
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	5.00
Source	Behavioral Risk Factor Surveillance System			**Year(s)**		2006-2012	Lawrence, OH	7.10

Poor Mental Health Days

Average number of mentally unhealthy days reported in past 30 days (age-adjusted)

Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
21	Henderson	3.10	2.80	0.30	↑Bad ↓Good	3.50	Guernsey, OH	4.40
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

Percentage of live births with low birthweight (< 2500 grams)

Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
83	Lewis	10.10%	7.29%	2.81%	↑Bad ↓Good	8.10%	Guernsey, OH	8.32%
Reduce the number of low birth weight babies by 3 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

Percentage of adults who are current smokers

Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
12	Knox	19.60%	18.50%	1.10%	↑Bad ↓Good	18.10%	Guernsey, OH	29.70%
Get 6 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

Percentage of adults that report a BMI of 30 or more

Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
92	Hamilton	37.30%	29.10%	8.20%	↑Bad ↓Good	28.00%	Guernsey, OH	36.40%
Get 22 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

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

Rank	1st Ranked	Value	1st Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
88	Williamson	6.20	8.9	2.7	↑Good ↓Bad	7.60	Guernsey, OH	7.20
Increase the county's food index score by 2.7.							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
13	Wilson	29.50%	28.50%	1.00%	↑Bad ↓Good	30.00%	Guernsey, OH	33.90%
Get 4 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
26	Loudon	68.89%	78.50%	9.61%	↑Good ↓Bad	77.00%	Guernsey, OH	48.47%
Consider how to remove barriers to access exercise locations to reach an additional 9.61 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
18	Greene	9.80%	3.30%	6.50%	↑Bad ↓Good	15.00%	Guernsey, OH	13.80%
Get 67 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	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
48	McNairy	28.57%	18.75%	9.82%	↑Bad ↓Good	32.00%	Guernsey, OH	33.33%
Reduce the number of alcohol related driving deaths by 9.82 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
91	Scott	902.10	144.30	757.80	↑Bad ↓Good	458.00	Guernsey, OH	268.70
Consider ways to educate 9 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
32	Putnam	46.44	37.04	9.40	↑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 21 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
40	Blount	16.50%	14.64%	1.86%	↑Bad ↓Good	18.00%	Guernsey, OH	14.71%
Get 12 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	1st Ranked	Value	1st Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
3	Washington	720:1	596:1	124	↑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, 29 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	5th Ranked	Value	5th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
8	Hamilton	1592:1	1447:1	145	↑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, 7 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	1st Ranked	Value	1st Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
4	Knox	447:1	313:1	134	↑Bad ↓Good	753	Guernsey, OH	1132:1
To reach a population-to-provider ratio at or exceeding that of the 10th ranking county, 95 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	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
13	Marshall	61.39	58.47	2.92	↑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
47	Crockett	86.78%	88.92%	2.14%	↑Good ↓Bad	84.00%	Guernsey, OH	78.74%
For every 100 diabetic Medicare enrollees, get 3 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
44	Knox	60.00%	65.71%	5.71%	↑Good ↓Bad	63.00%	Guernsey, OH	63.84%
For every 100 female Medicare enrollees, get 6 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
11	Carroll	95.00%	95.32%	0.32%	↑Good ↓Bad	80.00%	Guernsey, OH	90.71%
For every 100 ninth graders, assist 1 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
15	Shelby	55.02%	62.09%	7.07%	↑Good ↓Bad	63.00%	Guernsey, OH	47.78%
For every 100 adults between 25-44 years of age, assist 708 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
31	Blount	8.44%	6.89%	1.54%	↑Bad ↓Good	8.10%	Guernsey, OH	8.23%
For every 100 persons ages 16 years and older, help 2 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
61	Montgomery	30.40%	21.40%	9.00%	↑Bad ↓Good	23.00%	Guernsey, OH	33.90%
For every 100 children (under 18 years) in poverty, help 30 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
89	Williamson	5.22	4.11	1.11	↑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 2 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
	90	Cheatham	44.21%	25.43%	18.78%	↑Bad ↓Good	21.00%	Guernsey, OH	32.44%
For every 100 single parent households in the county, investigate ways to encourage 43 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	5th Ranked	Value	5th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
	6	Unicoi	17.33	17.55	0.22	↑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
	92	Carter	887.56	206.33	681.23	↑Bad ↓Good	387.00	Guernsey, OH	141.84
For every 100 persons in the county, prevent 77 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	1st Ranked	Value	1st Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
	5	Williamson	63.27	43.67	19.59	↑Bad ↓Good	59.00	Guernsey, OH	66.36
For every 1,000 population consider ways to prevent 310 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
	60	Greene	13.85	13.14	0.71	↑Bad ↓Good	11.10	Guernsey, OH	13.73
Reduce the average daily measure of fine particulate matter by 0.71 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
	92	Lewis	18.64%	10.96%	7.68%	↑Bad ↓Good	19.00%	Guernsey, OH	12.38%
For every 100 persons in the county experiencing housing problems, help 42 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
	46	Davidson	84.84%	80.03%	4.81%	↑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	1st Ranked	Value	1st Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
	1	Madison	15.80%	15.80%	0.00%	↑Bad ↓Good	34.00%	Guernsey, OH	26.40%
For every 100 persons that currently drive more than 30 minutes alone to work, convince 0 to carpool or take mass-transportation.								Randolph, IN	33.40%
Source		American Community Survey			Year(s)		2009-2013	Lawrence, OH	29.60%