TENNESSEE DEPARTMENT OF HEALTH

2015

DRIVE YOUR COUNTY TO THE TOP TEN:

Accelerating Action Towards Improving County Health

Shelby County

TN Department of Health

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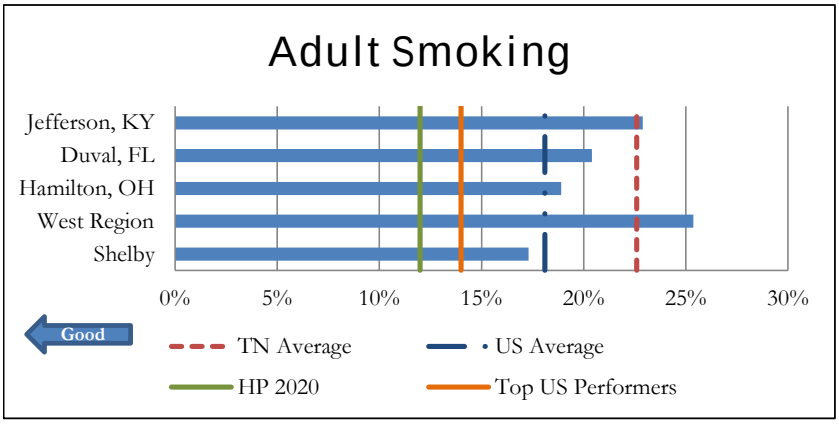
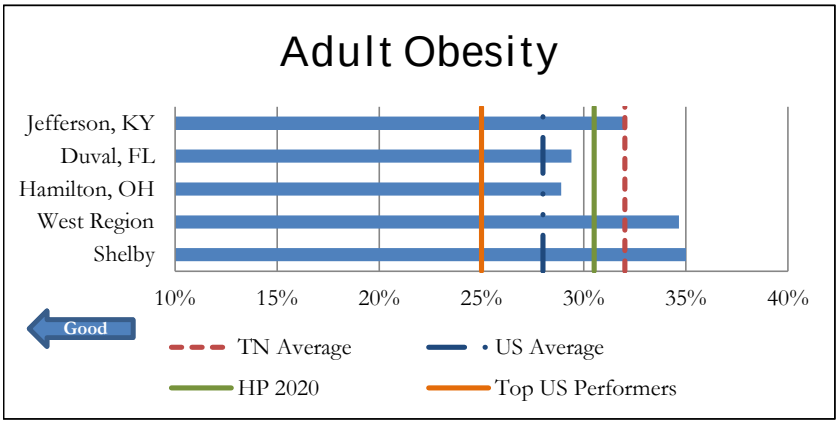
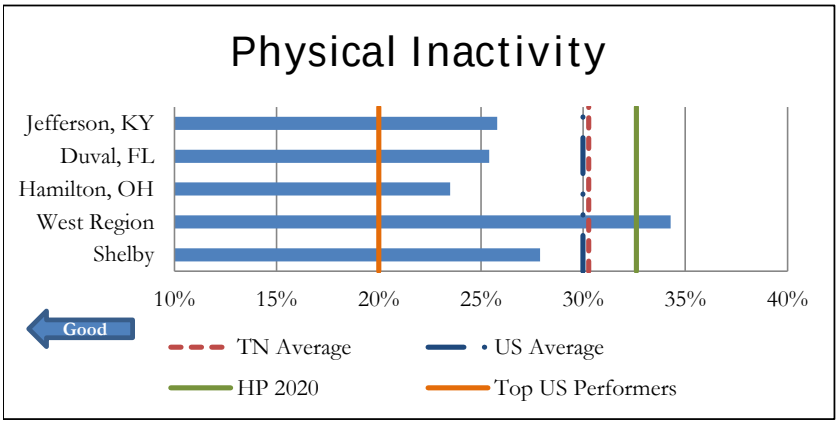
SHELBY COUNTY: Overview
2015 Drive Your County to the Top Ten

Demographics								
	Population:	939,465	**<18 YOA:**	25.66%	**65+ YOA:**	11.20%	**% Rural:**	2.76%
	Unemployment:	9.65%	**% Females:**	52.32%	**% Males:**	47.68%	**Graduation Rate:**	75.80
	Single parent households:	51.16%	**MHI:**	$45,067				







Top Third

Measure	Value
Air Pollution - Particulate Matter	12.83
Drinking Water Violations	0.00%
Access to Exercise Opportunities	88.61%
Adult Smoking	17.30%
Poor Physical Health Days	3.30
Physical Inactivity	27.90%
Dentists	1545:1
Poor or Fair Health	15.80%
Alcohol-Impaired Driving Deaths	16.91%
Primary Care Physicians	1292:1

Middle Third

Measure	Value
Premature Death	9,165.27
Uninsured	16.66%
Mammography Screening	59.58%
Unemployment	9.65%

Bottom Third

Measure	Value
Sexually Transmitted Infections	1,052.90
Violent Crime	1,235.83
Severe Housing Problems	21.55%
High School Graduation	75.80%
Children in Single-Parent Households	51.16%
Food Environment Index	5.60
Low Birthweight	11.19%
Income Inequality	5.34
Adult Obesity	35.00%
Diabetic Monitoring	83.95%

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.

TN Department of Health

SHELBY COUNTY, TENNESSEE
2015 Drive Your County to the Top Ten

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
33	Lewis	9165.27	7769.75	1395.52	↑Bad ↓Good	6,811.00	Hamilton, OH	8093.56
For every 100 people in the county, 1 people in the county need to live one year closer to age 75.							Duval, FL	8606.87
Source	National Center for Health Statistics - Mortality files				**Year(s)**	2010-2012	Jefferson, KY	8665.76

Health Outcomes — **Quality of Life**

Poor or Fair Health

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

Rank	5th Ranked	Value	5th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
8	Rutherford	15.80%	14.50%	1.30%	↑Bad ↓Good	12.40%	Hamilton, OH	13.20%
Improve the health of 2 out of every 100 people in the county who, in general, report being in poor or fair health.							Duval, FL	16.90%
Source	Behavioral Risk Factor Surveillance System				**Year(s)**	2006-2012	Jefferson, KY	16.90%

Poor Physical Health Days*

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

Rank	1st Ranked	Value	1st Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
6	Williamson	3.30	2.00	1.30	↑Bad ↓Good	3.70	Hamilton, OH	3.30
Engage people in the county on ways to reduce number of poor physical health days reported by residents by 2 days per month.							Duval, FL	3.90
Source	Behavioral Risk Factor Surveillance System				**Year(s)**	2006-2012	Jefferson, KY	4.30

Poor Mental Health Days

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

Rank	5th Ranked	Value	5th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
10	Blount	2.80	2.60	0.20	↑Bad ↓Good	3.50	Hamilton, OH	3.70
Engage people in the county on ways to reduce number of poor physical health days reported by residents by 1 days per month.							Duval, FL	3.80
Source	Behavioral Risk Factor Surveillance System				**Year(s)**	2006-2012	Jefferson, KY	3.80

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
91	Lewis	11.19%	7.29%	3.90%	↑Bad ↓Good	8.10%	Hamilton, OH	10.08%
Reduce the number of low birth weight babies by 4 for every 100 live births.							Duval, FL	9.46%
Source	National Center for Health Statistics - Natality files				**Year(s)**	2006-2012	Jefferson, KY	9.35%

Health Factors — **Health Behaviors**

Adult Smoking

Percentage of adults who are current smokers

Rank	1st Ranked	Value	1st Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
5	Williamson	17.30%	10.90%	6.40%	↑Bad ↓Good	18.10%	Hamilton, OH	18.90%
Get 37 out of every 100 current adult smokers in the county to quit smoking.							Duval, FL	20.40%
Source	Behavioral Risk Factor Surveillance System				**Year(s)**	2006-2012	Jefferson, KY	22.90%

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
79	Hamilton	35.00%	29.10%	5.90%	↑Bad ↓Good	28.00%	Hamilton, OH	28.90%
Get 17 out of every 100 current obese adults in the county to reduce their BMI below 30.							Duval, FL	29.40%
Source	CDC Diabetes Interactive Atlas				**Year(s)**	2011	Jefferson, KY	32.00%

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
92	Williamson	5.60	8.9	3.3	↑Good ↓Bad	7.60	Hamilton, OH	6.40
Increase the county's food index score by 3.3.							Duval, FL	6.30
Source	USDA Food Environment Atlas, Map the Meal Gap				**Year(s)**	2012	Jefferson, KY	6.90

Prepared by the Division of Policy, Planning and Assessment, Office of Performance Management, Tennessee Department of Health. Nashville, TN. April 2015. opm.health@tn.gov or 615-741-5001. The full report can be accessed at: http://health.tn.gov/statistics/specialprojects.htm. 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. 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

Percentage of adults aged 20 and over reporting no leisure-time physical activity

Rank	5th Ranked	Value	5th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
7	Chester	27.90%	25.90%	2.00%	↑Bad ↓Good	30.00%	Hamilton, OH	23.50%
Get 8 out of every 100 currently physically inactive adults to exercise during leisure time.							Duval, FL	25.40%
Source	CDC Diabetes Interactive Atlas				**Year(s)**	2011	Jefferson, KY	25.80%

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
3	Johnson	88.61%	100.00%	11.39%	↑Good ↓Bad	77.00%	Hamilton, OH	95.05%
Consider how to remove barriers to access exercise locations to reach an additional 11.39 percent of the county's population.							Duval, FL	93.69%
Source	Business Analyst, Delorme, ESRI, & US Census Tigerline Files				**Year(s)**	2010 & 2013	Jefferson, KY	95.54%

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
29	Greene	12.50%	3.30%	9.20%	↑Bad ↓Good	15.00%	Hamilton, OH	20.40%
Get 74 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.							Duval, FL	15.60%
Source	Behavioral Risk Factor Surveillance System				**Year(s)**	2006-2012	Jefferson, KY	15.00%

Alcohol-Impaired Driving Deaths

Percentage of driving deaths with alcohol involvement

Rank	5th Ranked	Value	5th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
8	Hickman	16.91%	15.38%	1.52%	↑Bad ↓Good	32.00%	Hamilton, OH	40.27%
Reduce the number of alcohol related driving deaths by 1.52 percent.							Duval, FL	33.45%
Source	Fatality Analysis Reporting System				**Year(s)**	2009-2013	Jefferson, KY	32.27%

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
95	Scott	1052.90	144.30	908.60	↑Bad ↓Good	458.00	Hamilton, OH	819.90
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.							Duval, FL	606.10
Source National Center for HIV/AIDS, Viral Hepatitis, STD, & TB Prevention					**Year(s)**	2012	Jefferson, KY	675.50

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
71	Putnam	58.03	37.04	20.99	↑Bad ↓Good	31.00	Hamilton, OH	41.26
For every 100 teenage females (ages 15 to 19 years) in the county, consider ways to prevent 37 teen(s) from becoming pregnant.							Duval, FL	45.52
Source	National Center for Health Statistics - Natality files				**Year(s)**	2006-2012	Jefferson, KY	45.86

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
46	Blount	16.66%	14.64%	2.02%	↑Bad ↓Good	18.00%	Hamilton, OH	12.84%
Get 13 out of every 100 currently uninsured adults ages 18-64 to obtain health insurance.							Duval, FL	19.31%
Source	Small Area Health Insurance Estimates				**Year(s)**	2012	Jefferson, KY	15.53%

Primary Care Physicians

Ratio of population to primary care physicians

Rank	5th Ranked	Value	5th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
8	Knox	1292:1	877:1	415	↑Bad ↓Good	1,355.00	Hamilton, OH	995:1
To reach a population-to-provider ratio at or exceeding that of the 10th ranking county, 345 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.							Duval, FL	1189:1
Source	Area Health Resource File/American Medical Association				**Year(s)**	2012	Jefferson, KY	1104:1

Dentists

Ratio of population to dentists

Rank	5th Ranked	Value	5th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
7	Hamilton	1545:1	1447:1	98	↑Bad ↓Good	1,663.00	Hamilton, OH	1444:1
To reach a population-to-provider ratio at or exceeding that of the 10th ranking county, 42 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.							Duval, FL	1436:1
Source	Area Health Resource File/American Medical Association				**Year(s)**	2013	Jefferson, KY	1067:1

Health Factors											
Clinical Care	Mental Health Providers	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
		14	McNairy	787:1	688:1	99	↑Bad ↓Good	753	Hamilton, OH	458:1
	Ratio of population to mental health providers	To reach a population-to-provider ratio at or exceeding that of the 10th ranking county, 172 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.							Duval, FL	686:1
		Source	CMS, National Provider Identification file				Year(s)	2014	Jefferson, KY	390:1
	Preventable Hospital Stays	Rank	5th Ranked	Value	5th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
		8	Knox	53.46	49.14	4.32	↑Bad ↓Good	65.00	Hamilton, OH	56.30
	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.							Duval, FL	67.00
		Source	Dartmouth Atlas of Health Care				Year(s)	2012	Jefferson, KY	66.81
	Diabetic Monitoring	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
		78	Crockett	83.95%	88.92%	4.97%	↑Good ↓Bad	84.00%	Hamilton, OH	86.53%
	Percentage of diabetic Medicare enrollees ages 65-75 that receive HbA1c monitoring	For every 100 diabetic Medicare enrollees, get 5 additional Medicare enrollees to receive HbA1c screening.							Duval, FL	83.61%
		Source	Dartmouth Atlas of Health Care				Year(s)	2012	Jefferson, KY	87.31%
	Mammography Screening	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
		48	Knox	59.58%	65.71%	6.13%	↑Good ↓Bad	63.00%	Hamilton, OH	61.29%
	Percentage of female Medicare enrollees ages 67-69 that receive mammography screening	For every 100 female Medicare enrollees, get 7 additional Medicare enrollees to receive their mammography screening.							Duval, FL	65.10%
		Source	Dartmouth Atlas of Health Care				Year(s)	2012	Jefferson, KY	65.13%
Social & Economic Factors	High School Graduation	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
		93	Carroll	75.80%	95.32%	19.53%	↑Good ↓Bad	80.00%	Hamilton, OH	77.75%
	Percentage of ninth-grade cohort that graduates in four years	For every 100 ninth graders, assist 20 additional ninth graders to graduate within four years.							Duval, FL	68.00%
		Source	data.gov, supplemented w/ National Center for Education Statistics				Year(s)	2011-2012	Jefferson, KY	76.53%
	Some College	Rank	5th Ranked	Value	5th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
		10	Rutherford	62.09%	66.59%	4.50%	↑Good ↓Bad	63.00%	Hamilton, OH	67.89%
	Percentage of adults ages 25-44 years with some post-secondary education	For every 100 adults between 25-44 years of age, assist 450 additional adults to complete some coursework at the collegiate level.							Duval, FL	63.92%
		Source	American Community Survey				Year(s)	2009-2013	Jefferson, KY	68.06%
	Unemployment	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
		51	Blount	9.65%	6.89%	2.76%	↑Bad ↓Good	8.10%	Hamilton, OH	7.12%
	Percentage of population ages 16 and older unemployed but seeking work	For every 100 persons ages 16 years and older, help 3 persons successfully find employment.							Duval, FL	7.38%
		Source	Bureau of Labor Statistics				Year(s)	2013	Jefferson, KY	8.08%
	Children in Poverty	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
		77	Montgomery	34.70%	21.40%	13.30%	↑Bad ↓Good	23.00%	Hamilton, OH	25.80%
	Percentage of children under age 18 in poverty	For every 100 children (under 18 years) in poverty, help 39 children to find assistance to get out of poverty.							Duval, FL	25.60%
		Source	Small Area Income and Poverty Estimates				Year(s)	2013	Jefferson, KY	22.30%
	Income Inequality	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
		90	Williamson	5.34	4.11	1.23	↑Bad ↓Good	NA	Hamilton, OH	5.69
	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 2 household(s).							Duval, FL	4.62
		Source	American Community Survey				Year(s)	2009-2013	Jefferson, KY	4.93

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
93	Cheatham	51.16%	25.43%	25.73%	↑Bad ↓Good	21.00%	Hamilton, OH	43.01%
For every 100 single parent households in the county, investigate ways to encourage 51 households to be a multi-parent household.							Duval, FL	42.06%
Source	American Community Survey				**Year(s)**	2009-2013	Jefferson, KY	42.40%

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
69	Henry	8.95	16.70	7.75	↑Good ↓Bad	33.00%	Hamilton, OH	11.06
For every 100 people in the county, increase the number of membership associations by 1.							Duval, FL	9.15
Source	County Business Patterns				**Year(s)**	2012	Jefferson, KY	9.96

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
95	Carter	1235.83	206.33	1029.50	↑Bad ↓Good	387.00	Hamilton, OH	500.87
For every 100 persons in the county, prevent 84 people from committing a violent crime.							Duval, FL	645.58
Source	Uniform Crime Reporting - FBI				**Year(s)**	2010-2012	Jefferson, KY	579.11

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
13	Fayette	70.63	68.81	1.82	↑Bad ↓Good	59.00	Hamilton, OH	62.54
For every 1,000 population consider ways to prevent 26 deaths as a result of intentional and unintentional injury.							Duval, FL	74.28
Source	CDC WONDER mortality data				**Year(s)**	2008-2012	Jefferson, KY	69.62

Air Pollution - Particulate Matter

Average daily density of fine particulate matter in micrograms per cubic meter (PM2.5)

Rank	1st Ranked	Value	1st Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
1	Shelby	12.83	12.83	0.00	↑Bad ↓Good	11.10	Hamilton, OH	13.27
No action required.							Duval, FL	12.02
Source	CDC WONDER Environmental data				**Year(s)**	2011	Jefferson, KY	13.52

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%	Hamilton, OH	0.20%
No Action Required							Duval, FL	3.12%
Source	Safe Drinking Water Information System				**Year(s)**	FY2013-14	Jefferson, KY	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
95	Lewis	21.55%	10.96%	10.60%	↑Bad ↓Good	19.00%	Hamilton, OH	17.61%
For every 100 persons in the county experiencing housing problems, help 50 person(s) to find housing assistance.							Duval, FL	19.09%
Source	Comprehensive Housing Affordability Strategy (CHAS) data				**Year(s)**	2007-2011	Jefferson, KY	15.36%

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
23	Davidson	82.39%	80.03%	2.36%	↑Bad ↓Good	76.00%	Hamilton, OH	79.41%
For every 100 persons that currently drive alone to work, convince 3 to carpool or take mass-transportation.							Duval, FL	80.47%
Source	American Community Survey				**Year(s)**	2009-2013	Jefferson, KY	82.22%

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
27	Hamilton	29.10%	25.10%	4.00%	↑Bad ↓Good	34.00%	Hamilton, OH	27.20%
For every 100 persons that currently drive more than 30 minutes alone to work, convince 14 to carpool or take mass-transportation.							Duval, FL	30.00%
Source	American Community Survey				**Year(s)**	2009-2013	Jefferson, KY	23.50%