



2016

DRIVE YOUR COUNTY TO THE
TOP TEN

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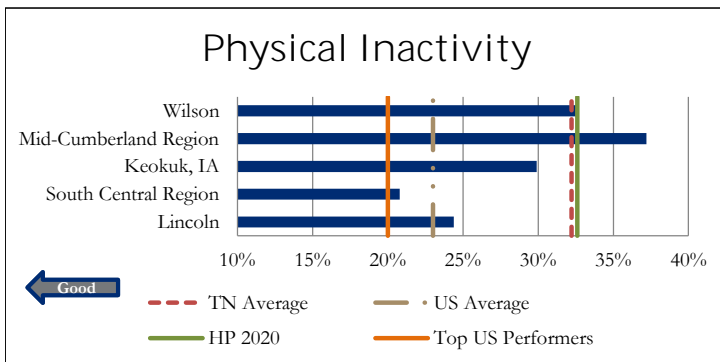
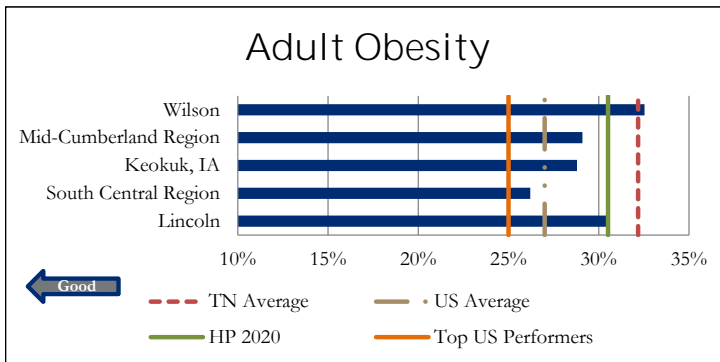
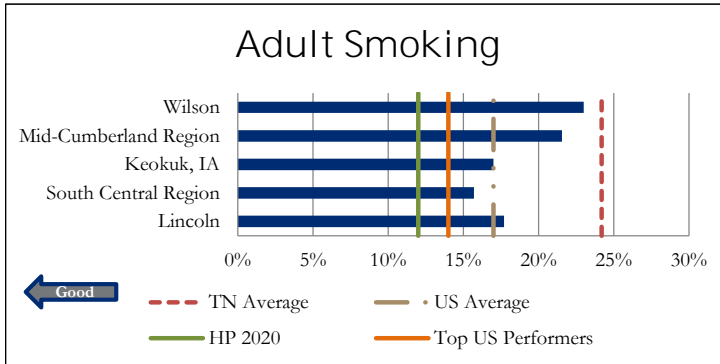
Lincoln County

TN

Department of
Health

Demographics

Population:	33,637	<18 YOA:	22.47%	65+ YOA:	18.41%	% Rural:	72.50%
Unemployment:	5.34%	% Females:	51.10%	% Males:	48.90%	Graduation Rate:	91.00%
Single parent households:	34.78%	MHI:	\$41,802				



Top Third

Measure	Value
Adult Obesity	29.10%
Unemployment	5.34%
Income Inequality	4.19
Food Environment Index	7.50
Children in Poverty	22.40%
Primary Care Physicians	1602:1
Severe Housing Problems	12.41%
Mammography Screening	62.00%
Injury Deaths	79.01
Uninsured	15.84%

Middle Third

Measure	Value
Poor or Fair Health	21.50%
Air Pollution - Particulate Matter	13.49
Preventable Hospital Stays	68.58
Some College	47.98%
Adult Smoking	23.00%
Poor Physical Health Days	4.80
Poor Mental Health Days	4.70
Alcohol-Impaired Driving Deaths	27.91%
Access to Exercise Opportunities	51.11%
High School Graduation	91.00%

Bottom Third

Measure	Value
Low Birthweight	9.92%
Children in Single-Parent Households	34.78%
Violent Crime	445.75
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.

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
		31	Knox	9092.90	7735.80	1357.10	↑Bad ↓Good	6,600.00	Chickasaw, IA	4768.20
		For every 100 people in the county, 1 people in the county need to live one year closer to age 75.							Fillmore, MN	4391.30
		Source		National Center for Health Statistics - Mortality files			Year(s)	2011-2013	Keokuk, IA	6545.20
	Quality of Life	Poor or Fair Health*								
		Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
		32	Rutherford	21.50%	19.60%	1.90%	↑Bad ↓Good	18.00%	Chickasaw, IA	12.50%
		Improve the health of 2 out of every 100 people in the county who, in general, report being in poor or fair health.							Fillmore, MN	10.90%
		Source		Behavioral Risk Factor Surveillance System			Year(s)	2014	Keokuk, IA	12.20%
	Quality of Life	Poor Physical Health Days*								
		Rank	5th Ranked	Value	5th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
		40	Knox	4.80	4.30	0.50	↑Bad ↓Good	3.8	Chickasaw, IA	3.00
		Engage people in the county on ways to reduce number of poor physical health days reported by residents by 1 days per month.							Fillmore, MN	2.70
		Source		Behavioral Risk Factor Surveillance System			Year(s)	2014	Keokuk, IA	3.10
	Quality of Life	Poor Mental Health Days*								
		Rank	1st Ranked	Value	1st Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
		41	Williamson	4.70	3.80	0.90	↑Bad ↓Good	2.8	Chickasaw, IA	3.00
		Engage people in the county on ways to reduce number of poor physical health days reported by residents by 1 days per month.							Fillmore, MN	2.80
		Source		Behavioral Risk Factor Surveillance System			Year(s)	2014	Keokuk, IA	2.90
	Quality of Life	Low Birthweight								
		Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
		80	Pickett	9.92%	7.24%	2.68%	↑Bad ↓Good	8.00%	Chickasaw, IA	3.73%
		Reduce the number of low birth weight babies by 3 for every 100 live births.							Fillmore, MN	5.14%
		Source		National Center for Health Statistics - Natality files			Year(s)	2007-2013	Keokuk, IA	7.58%
Health Factors	Health Behaviors	Adult Smoking*								
		Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
		38	Humphreys	23.00%	21.10%	1.90%	↑Bad ↓Good	17.00%	Chickasaw, IA	17.70%
		Get 9 out of every 100 current adult smokers in the county to quit smoking.							Fillmore, MN	15.70%
		Source		Behavioral Risk Factor Surveillance System			Year(s)	2014	Keokuk, IA	17.00%
	Health Behaviors	Adult Obesity								
		Rank	5th Ranked	Value	5th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
		6	Knox	29.10%	28.70%	0.40%	↑Bad ↓Good	27.00%	Chickasaw, IA	30.60%
		Get 2 out of every 100 current obese adults in the county to reduce their BMI below 30.							Fillmore, MN	26.20%
		Source		CDC Diabetes Interactive Atlas			Year(s)	2012	Keokuk, IA	28.80%
	Health Behaviors	Food Environment Index								
		Rank	5th Ranked	Value	5th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
		16	Cannon	7.50	7.9	0.4	↑Good ↓Bad	7.20	Chickasaw, IA	7.90
		Increase the county's food index score by 0.4.							Fillmore, MN	8.80
		Source		USDA Food Environment Atlas, Map the Meal Gap			Year(s)	2013	Keokuk, IA	7.50

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							Peer County		Peer Value	
				Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value		
Percentage of adults aged 20 and over reporting no leisure-time physical activity		59	Shelby	37.20%	30.20%	7.00%	↑Bad ↓Good	23.00%	Chickasaw, IA	24.40%				
		Get 19 out of every 100 currently physically inactive adults to exercise during leisure time.							Fillmore, MN	20.80%				
		Source			CDC Diabetes Interactive Atlas			Year(s)		2012	Keokuk, IA	29.90%		
				Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value		
Percentage of population with adequate access to locations for physical activity		45	Loudon	51.11%	78.48%	27.37%	↑Good ↓Bad	84.00%	Chickasaw, IA	57.32%				
		Consider how to remove barriers to access exercise locations to reach an additional 27.37 percent of the county's population.							Fillmore, MN	93.55%				
		Source			Business Analyst, Delorme, ESRI, & US Census Tigerline Files			Year(s)		2010 & 2014	Keokuk, IA	23.28%		
				Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value		
Percentage of adults reporting binge or heavy drinking		49	Benton	11.50%	10.60%	0.90%	↑Bad ↓Good	17.00%	Chickasaw, IA	19.80%				
		Get 8 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.							Fillmore, MN	21.50%				
		Source			Behavioral Risk Factor Surveillance System			Year(s)		2014	Keokuk, IA	18.60%		
				Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value		
Percentage of driving deaths with alcohol involvement		41	Sullivan	27.91%	19.17%	8.74%	↑Bad ↓Good	31.00%	Chickasaw, IA	8.33%				
		Reduce the number of alcohol related driving deaths by 8.74 percent.							Fillmore, MN	33.33%				
		Source			Fatality Analysis Reporting System			Year(s)		2010-2014	Keokuk, IA	25.00%		
				Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value		
Number of newly diagnosed chlamydia cases per 100,000 population		62	Overton	349.22	153.22	196.00	↑Bad ↓Good	446.60	Chickasaw, IA	122.19				
		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.							Fillmore, MN	182.39				
		Source			National Center for HIV/AIDS, Viral Hepatitis, STD, & TB Prevention			Year(s)		2013	Keokuk, IA	154.23		
				Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value		
Teen birth rate per 1,000 female population, ages 15-19		58	Putnam	51.68	34.87	16.81	↑Bad ↓Good	35.00	Chickasaw, IA	19.23				
		For every 100 teenage females (ages 15 to 19 years) in the county, consider ways to prevent 33 teen(s) from becoming pregnant.							Fillmore, MN	15.76				
		Source			National Center for Health Statistics - Natality files			Year(s)		2007-2013	Keokuk, IA	27.27		
				Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value		
Percentage of population under age 65 without health insurance		29	Cheatham	15.84%	14.54%	1.30%	↑Bad ↓Good	17.00%	Chickasaw, IA	10.61%				
		Get 9 out of every 100 currently uninsured adults ages 18-64 to obtain health insurance.							Fillmore, MN	11.40%				
		Source			Small Area Health Insurance Estimates			Year(s)		2013	Keokuk, IA	10.91%		
				Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value		
Ratio of population to primary care physicians		19	Coffee	1602:1	1368:1	234	↑Bad ↓Good	1320:1	Chickasaw, IA	2054:1				
		To reach a population-to-provider ratio at or exceeding that of the 10th ranking county, 14 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.							Fillmore, MN	2976:1				
		Source			Area Health Resource File/American Medical Association			Year(s)		2013	Keokuk, IA			
				Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value		
Ratio of population to dentists		55	Dickson	3737:1	1744:1	1993	↑Bad ↓Good	1540:1	Chickasaw, IA	2453:1				
		To reach a population-to-provider ratio at or exceeding that of the 10th ranking county, 38 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.							Fillmore, MN	1889:1				
		Source			Area Health Resource File/National Provider Identification file			Year(s)		2014	Keokuk, IA	5116:1		
				Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value		

Health Factors

Health Behaviors

Clinical Care

Health Factors	Clinical Care	Mental Health Providers	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
		Ratio of population to mental health providers	51	Henry	2587:1	644:1	1943	↑Bad ↓Good	490:1	Chickasaw, IA	1533:1
To reach a population-to-provider ratio at or exceeding that of the 10th ranking county, 143 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.								Fillmore, MN	5194:1		
Source	CMS, National Provider Identification file				Year(s)	2015	Keokuk, IA				
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		
	35	Anderson	68.58	50.27	18.31	↑Bad ↓Good	54.00	Chickasaw, IA	56.09		
	For every 100 Medicare enrollees, prevent 1 Medicare enrollees from being hospitalized for ambulatory-care sensitive conditions.								Fillmore, MN	38.29	
	Source	Dartmouth Atlas of Health Care				Year(s)	2013	Keokuk, IA	56.21		
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		
	31	Giles	87.60%	89.20%	1.61%	↑Good ↓Bad	63.00%	Chickasaw, IA	90.04%		
	For every 100 diabetic Medicare enrollees, get 2 additional Medicare enrollees to receive HbA1c screening.								Fillmore, MN	93.57%	
	Source	Dartmouth Atlas of Health Care				Year(s)	2013	Keokuk, IA	81.29%		
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		
	26	Cumberland	62.00%	71.00%	9.00%	↑Good ↓Bad	63.00%	Chickasaw, IA	74.00%		
	For every 100 female Medicare enrollees, get 9 additional Medicare enrollees to receive their mammography screening.								Fillmore, MN	73.00%	
	Source	Dartmouth Atlas of Health Care				Year(s)	2013	Keokuk, IA	61.00%		
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		
	46	Tipton	91.00%	98.00%	7.00%	↑Good ↓Bad	82.00%	Chickasaw, IA	93.41%		
	For every 100 ninth graders, assist 7 additional ninth graders to graduate within four years.								Fillmore, MN	NA	
	Source	EDFacts				Year(s)	2012-2013	Keokuk, IA	NA		
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		
	36	Shelby	47.98%	62.28%	14.30%	↑Good ↓Bad	64.00%	Chickasaw, IA	58.73%		
	For every 100 adults between 25-44 years of age, assist 15 additional adults to complete some coursework at the collegiate level.								Fillmore, MN	66.88%	
	Source	American Community Survey				Year(s)	2010-2014	Keokuk, IA	66.56%		
Percentage of population ages 16 and older unemployed but seeking work	Rank	5th Ranked	Value	5th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value		
	7	Sumner	5.34%	5.28%	0.06%	↑Bad ↓Good	6.20%	Chickasaw, IA	4.92%		
	For every 100 persons ages 16 years and older, help 1 persons successfully find employment.								Fillmore, MN	4.30%	
	Source	Bureau of Labor Statistics				Year(s)	2014	Keokuk, IA	4.57%		
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		
	18	Dickson	22.40%	21.10%	1.30%	↑Bad ↓Good	22.00%	Chickasaw, IA	14.20%		
	For every 100 children (under 18 years) in poverty, help 6 children to find assistance to get out of poverty.								Fillmore, MN	16.90%	
	Source	Small Area Income and Poverty Estimates				Year(s)	2014	Keokuk, IA	18.40%		
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		
	13	Houston	4.19	4.11	0.08	↑Bad ↓Good	4.70	Chickasaw, IA	4.12		
	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).								Fillmore, MN	4.10	
	Source	American Community Survey				Year(s)	2010-2014	Keokuk, IA	4.05		

Health Factors

Clinical Care

Social & Economic Factors

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
		Percentage of children that live in a household headed by single parent	71	Lawrence	34.78%	23.36%	11.41%	↑Bad ↓Good	34.00%	Chickasaw, IA	29.60%
		For every 100 single parent households in the county, investigate ways to encourage 33 households to be a multi-parent household.							Fillmore, MN	21.90%	
		Source	American Community Survey				Year(s)	2010-2014	Keokuk, IA	21.30%	
Social Associations	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value		
	63	Johnson	9.81	16.13	6.32	↑Good ↓Bad	9.00	Chickasaw, IA	21.91		
	Number of membership associations per 10,000 population	For every 100 people in the county, increase the number of membership associations by 1.							Fillmore, MN	35.04	
		Source	County Business Patterns				Year(s)	2013	Keokuk, IA	16.46	
Violent Crime	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value		
	69	Carter	445.75	206.33	239.42	↑Bad ↓Good	392.00	Chickasaw, IA	64.02		
	Number of reported violent crime offenses per 100,000 population	For every 100 persons in the county, prevent 54 people from committing a violent crime.							Fillmore, MN	42.98	
		Source	Uniform Crime Reporting - FBI				Year(s)	2010-2012	Keokuk, IA	113.57	
Injury Deaths	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value		
	27	Washington	79.01	70.04	8.97	↑Bad ↓Good	60.00	Chickasaw, IA	64.57		
	Number of deaths due to injury per 100,000 population	For every 1,000 population consider ways to prevent 114 deaths as a result of intentional and unintentional injury.							Fillmore, MN	80.51	
		Source	CDC WONDER mortality data				Year(s)	2009-2013	Keokuk, IA	65.20	
Air Pollution - Particulate Matter	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value		
	32	Greene	13.49	13.14	0.35	↑Bad ↓Good	11.40	Chickasaw, IA	11.7		
	Average daily density of fine particulate matter in micrograms per cubic meter (PM2.5)	Reduce the average daily measure of fine particulate matter by 0.35 micrograms per cubic meter (PM2.5).							Fillmore, MN	12.11	
		Source	CDC WONDER Environmental data				Year(s)	2011	Keokuk, IA	10.39	
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	Chickasaw, IA	No		
	Percentage of population potentially exposed to water exceeding a violation limit during the past year	There were no health-based drinking water violations.							Fillmore, MN	Yes	
		Source	Safe Drinking Water Information System				Year(s)	FY2013-14	Keokuk, IA	Yes	
Severe Housing Problems	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value		
	19	Unicoi	12.41%	11.70%	0.71%	↑Bad ↓Good	19.00%	Chickasaw, IA	10.96%		
	Percentage of households with at least 1 of 4 housing problems: overcrowding, high housing costs, or lack of kitchen or plumbing facilities	For every 100 persons in the county experiencing housing problems, help 6 person(s) to find housing assistance.							Fillmore, MN	12.96%	
		Source	Comprehensive Housing Affordability Strategy (CHAS) data				Year(s)	2008-2012	Keokuk, IA	11.56%	
Driving Alone to Work	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value		
	31	Grundy	83.35%	80.27%	3.08%	↑Bad ↓Good	76.00%	Chickasaw, IA	78.36%		
	Percentage of the workforce that drives alone to work	For every 100 persons that currently drive alone to work, convince 4 to carpool or take mass-transportation.							Fillmore, MN	70.69%	
		Source	American Community Survey				Year(s)	2010-2014	Keokuk, IA	76.01%	
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%	Chickasaw, IA	27.50%		
	Among workers who commute in their car alone, the percentage that commute more than 30 minutes	For every 100 persons that currently drive more than 30 minutes alone to work, convince 40 to carpool or take mass-transportation.							Fillmore, MN	38.00%	
		Source	American Community Survey				Year(s)	2010-2014	Keokuk, IA	33.40%	

Health Factors

Social & Economic Factors

Physical Environment