Populations at Risk

Combined County Region

Selected Geographies:
Jackson County, MO; Clay County, MO; Platte County, MO; Cass County, MO; Ray County, MO; Johnson County, KS; Wyandotte County, KS; Miami County, KS; Leavenworth County, KS

Benchmark Geography:
U.S.

Report Date:
July 31, 2018
Headwaters Economics is an independent, nonprofit research group that works to improve community development and land management decisions in the West: headwaterseconomics.org.

**Populations at Risk**

Populations at risk are more likely to experience adverse social, health, and economic outcomes due to their race, age, gender, poverty status, and other socioeconomic measures.

**Free and easy-to-use**
Quickly create reports of current socioeconomic data in convenient formats, including Excel and PDF.

**Available nation-wide**
Build reports for geographies from states to census tracts. Aggregate multiple geographies into custom study areas.

**Updated continuously**
Make use of reliable, published government data. The Populations at Risk report always shows the latest available data and trends.

headwaterseconomics.org/par

**Economic Profile System**

The Economic Profile System (EPS) generates reports on a range of topics including local economics, demographics, and income sources while providing historic context and trends.

**Free and easy-to-use**
Like Populations at Risk, EPS is free, updated continuously, and easy-to-use.

**Integrates federal data sources**
Access data from many sources, including the Census, Bureaus of Economic Analysis, Labor Statistics, and others.

**Widely used**
For more than a decade, EPS has been used by researchers, economic developers, grant writers, elected officials, cities, planners, federal agencies, reporters, and others.

headwaterseconomics.org/eps
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*Click the links above for quick access to report sections.*
Populations at Risk

Combined County Region

Young & Elderly Populations

<table>
<thead>
<tr>
<th></th>
<th>Jackson County, MO</th>
<th>Clay County, MO</th>
<th>Pottawatomie County, MO</th>
<th>Cass County, MO</th>
<th>Ray County, MO</th>
<th>Jackson County, KS</th>
<th>Wyandotte County, KS</th>
<th>Miami County, KS</th>
<th>Leavenworth County, KS</th>
<th>Combined County Region</th>
<th>U.S.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Population, 2016*</td>
<td>682,843</td>
<td>333,353</td>
<td>49,875</td>
<td>73,075</td>
<td>131,324</td>
<td>175,248</td>
<td>161,777</td>
<td>32,747</td>
<td>37,798</td>
<td>1,981,770</td>
<td>316,558,182</td>
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<tr>
<td>Under 5 years old</td>
<td>62,812</td>
<td>23,062</td>
<td>4,507</td>
<td>3,200</td>
<td>24,511</td>
<td>38,117</td>
<td>14,918</td>
<td>2,003</td>
<td>5,973</td>
<td>134,720</td>
<td>16,966,960</td>
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<tr>
<td>65 years and older</td>
<td>46,812</td>
<td>30,740</td>
<td>57,763</td>
<td>16,555</td>
<td>33,872</td>
<td>72,086</td>
<td>18,128</td>
<td>9,012</td>
<td>9,955</td>
<td>25,984</td>
<td>46,150,432</td>
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<tr>
<td>80 years and older</td>
<td>8,046</td>
<td>1,058</td>
<td>1,446</td>
<td>727</td>
<td>2,047</td>
<td>13,094</td>
<td>2,577</td>
<td>912</td>
<td>35,112</td>
<td>6,958</td>
<td>9,955</td>
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<tr>
<td>Percent of Total, 2016*</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Under 5 years old</td>
<td>8.9%</td>
<td>7.4%</td>
<td>6.1%</td>
<td>4.5%</td>
<td>6.7%</td>
<td>10.7%</td>
<td>11.2%</td>
<td>6.9%</td>
<td>6.9%</td>
<td>12.4%</td>
<td>8.2%</td>
</tr>
<tr>
<td>65 years and older</td>
<td>6.8%</td>
<td>17.9%</td>
<td>12.9%</td>
<td>15.4%</td>
<td>16.9%</td>
<td>12.7%</td>
<td>11.2%</td>
<td>15.5%</td>
<td>12.1%</td>
<td>12.1%</td>
<td>14.5%</td>
</tr>
<tr>
<td>80 years and older</td>
<td>1.2%</td>
<td>1.8%</td>
<td>1.5%</td>
<td>2.0%</td>
<td>1.0%</td>
<td>1.5%</td>
<td>1.2%</td>
<td>1.5%</td>
<td>1.2%</td>
<td>1.8%</td>
<td>1.0%</td>
</tr>
<tr>
<td>Change in Percentage Points, 2010-2016*</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Under 5 years old</td>
<td>-0.3</td>
<td>-0.7</td>
<td>-0.2</td>
<td>-0.6</td>
<td>-0.5</td>
<td>-0.6</td>
<td>-0.3</td>
<td>-0.4</td>
<td>-0.4</td>
<td>-0.5</td>
<td>1.7</td>
</tr>
<tr>
<td>65 years and older</td>
<td>1.2</td>
<td>1.7</td>
<td>2.1</td>
<td>2.3</td>
<td>2.1</td>
<td>0.5</td>
<td>1.9</td>
<td>1.6</td>
<td>1.6</td>
<td>1.7</td>
<td>1.7</td>
</tr>
<tr>
<td>80 years and older</td>
<td>0.9</td>
<td>0.4</td>
<td>0.7</td>
<td>0.1</td>
<td>0.0</td>
<td>0.3</td>
<td>0.2</td>
<td>0.2</td>
<td>0.2</td>
<td>0.2</td>
<td>0.2</td>
</tr>
</tbody>
</table>

* ACS 5-year estimates used. 2016 represents average characteristics from 2011-2016; 2010 represents 2006-2010.

Data and Graphics | Page 1
Young & Elderly Populations

What do we measure on this page?

This page describes the number of people by specific age category.

The "Under 5 years old" category includes individuals younger than 5 years old. The "65 years and older" category includes individuals age 65 and older and the "80 years and older" category includes individuals age 80 and older. The "80 years and older" category is a subset of the "65 years and older" category.

Why is it important?

Young children and older adults both are vulnerable segments of the population. Understanding the age profile of a community can help users determine the types of services likely to be needed.¹

Children’s developing bodies makes them particularly sensitive to health problems and environmental stresses.¹

- Childhood lays the foundations for lifelong health. Poor health during childhood increases the likelihood of problems throughout adulthood.²

- Because so many factors of a child’s life are determined during pregnancy, infancy, and early childhood, children in poverty are an especially vulnerable population. Lack of adequate care through the early phases of life is more prevalent in poor populations.²

- Children spend more time outside and have a faster breathing rate than adults, so they are more at risk for respiratory problems related to ground level ozone, airborne particulates, wildfire smoke, and allergens. Allergens are associated with climate change due to changing plant communities and longer pollen seasons.³ ⁴

- Because their immune systems are not fully developed, children are more sensitive to infectious diseases. Natural disasters can breach public water supplies, compromise sanitation, and spread illness. Children are more vulnerable to these hazards compared to adults.³

Older adults also are at increased risk of compromised health related to environmental hazards and climate change.

- Age is the single greatest risk factor related to illness or death from extreme heat.⁴

- The elderly are more likely to have pre-existing medical conditions or compromised mobility, which reduces their ability to respond to natural disasters.³

- The likelihood of chronic disease increases with age.¹ ⁵

- Older adults are more susceptible to air pollution such as ground level ozone, particulate matter, or dust. Increased dust is associated with drought, wildfires, and high wind events.³ ⁶

Superscript numbers refer to references provided at the end of the report.

CHANGES IN BOUNDARIES: Data describing change over time can be misleading when geographic boundaries have changed.
The Census provides documentation about changes in boundaries at this site: www.census.gov/geo/reference/boundary-changes.html

Find more reports like this at headwaterseconomics.org/par
## Race & Ethnicity

<table>
<thead>
<tr>
<th>Population, 2016</th>
<th>Jackson County, MO</th>
<th>Clay County, MO</th>
<th>Platte County, MO</th>
<th>Cass County, MO</th>
<th>Ray County, MO</th>
<th>Johnson County, KS</th>
<th>Wyandotte County, KS</th>
<th>Miami County, KS</th>
<th>Leavenworth County, KS</th>
<th>Combined County Region</th>
<th>U.S.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total population 2016</td>
<td>673,569</td>
<td>451,248</td>
<td>233,832</td>
<td>147,070</td>
<td>68,413</td>
<td>93,058</td>
<td>124,262</td>
<td>24,261</td>
<td>124,777</td>
<td>32,743</td>
<td>28,350</td>
</tr>
<tr>
<td>White alone</td>
<td>462,286</td>
<td>305,760</td>
<td>182,575</td>
<td>114,990</td>
<td>52,034</td>
<td>70,508</td>
<td>92,050</td>
<td>17,153</td>
<td>70,547</td>
<td>17,457</td>
<td>14,850</td>
</tr>
<tr>
<td>All other races</td>
<td>211,283</td>
<td>145,488</td>
<td>51,257</td>
<td>32,080</td>
<td>16,379</td>
<td>22,450</td>
<td>32,212</td>
<td>7,108</td>
<td>54,230</td>
<td>15,286</td>
<td>13,500</td>
</tr>
<tr>
<td>Black or African American</td>
<td>152,364</td>
<td>13,340</td>
<td>6,573</td>
<td>8,285</td>
<td>1,061</td>
<td>7,698</td>
<td>8,960</td>
<td>28,456</td>
<td>6,956</td>
<td>6,859</td>
<td>40,241,818</td>
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<tr>
<td>American Indian</td>
<td>3,843</td>
<td>2,700</td>
<td>1,397</td>
<td>1,823</td>
<td>282</td>
<td>252</td>
<td>257</td>
<td>2,138</td>
<td>248</td>
<td>247</td>
<td>2,587,917</td>
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<tr>
<td>Other races</td>
<td>62,546</td>
<td>17,131</td>
<td>7,526</td>
<td>10,069</td>
<td>1,429</td>
<td>17,082</td>
<td>22,881</td>
<td>5,779</td>
<td>16,530</td>
<td>5,130</td>
<td>5,130</td>
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<tr>
<td>Hispanic ethnicity</td>
<td>61,317</td>
<td>16,682</td>
<td>7,358</td>
<td>4,200</td>
<td>627</td>
<td>4,583</td>
<td>4,486</td>
<td>921</td>
<td>2,023</td>
<td>377</td>
<td>377</td>
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</tbody>
</table>

### Percent of Total, 2016

<table>
<thead>
<tr>
<th>Race</th>
<th>White alone</th>
<th>Black or African American</th>
<th>American Indian</th>
<th>Other races</th>
<th>Hispanic ethnicity</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>66.6%</td>
<td>8.8%</td>
<td>0.7%</td>
<td>9.2%</td>
<td>8.2%</td>
</tr>
<tr>
<td></td>
<td>88.5%</td>
<td>12.3%</td>
<td>5.7%</td>
<td>7.8%</td>
<td>6.5%</td>
</tr>
<tr>
<td></td>
<td>91.8%</td>
<td>12.3%</td>
<td>1.7%</td>
<td>10.2%</td>
<td>8.2%</td>
</tr>
<tr>
<td></td>
<td>95.8%</td>
<td>12.3%</td>
<td>18.2%</td>
<td>13.2%</td>
<td>23.9%</td>
</tr>
<tr>
<td></td>
<td>88.5%</td>
<td>7.1%</td>
<td>13.2%</td>
<td>13.2%</td>
<td>8.2%</td>
</tr>
<tr>
<td></td>
<td>54.4%</td>
<td>13.2%</td>
<td>13.2%</td>
<td>23.9%</td>
<td>8.2%</td>
</tr>
<tr>
<td></td>
<td>95.8%</td>
<td>7.1%</td>
<td>13.2%</td>
<td>13.2%</td>
<td>8.2%</td>
</tr>
<tr>
<td></td>
<td>95.8%</td>
<td>7.1%</td>
<td>13.2%</td>
<td>13.2%</td>
<td>8.2%</td>
</tr>
</tbody>
</table>

### High Reliability

Coeficients of variation (CVs) < 10% are in black to indicate that the sampling error is relatively small.

### Low Reliability

Data with CVs > 40% are displayed in red to indicate that the estimate is considered very unreliable.

### Non-White Population by Race, Percent of Total, 2016

*Wyandotte County, KS has the largest share of non-whites (38.8%).

<table>
<thead>
<tr>
<th>Race</th>
<th>Jackson County, MO</th>
<th>Clay County, MO</th>
<th>Platte County, MO</th>
<th>Cass County, MO</th>
<th>Ray County, MO</th>
<th>Johnson County, KS</th>
<th>Wyandotte County, KS</th>
<th>Miami County, KS</th>
<th>Leavenworth County, KS</th>
<th>Combined County Region</th>
<th>U.S.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Black or African American</td>
<td>13.5%</td>
<td>8.7%</td>
<td>6.1%</td>
<td>4.7%</td>
<td>2.3%</td>
<td>7.3%</td>
<td>27.6%</td>
<td>2.9%</td>
<td>8.7%</td>
<td>8.5%</td>
<td>17.3%</td>
</tr>
<tr>
<td>American Indian</td>
<td>6.2%</td>
<td>5.6%</td>
<td>4.7%</td>
<td>2.3%</td>
<td>7.3%</td>
<td>27.6%</td>
<td>2.9%</td>
<td>8.7%</td>
<td>8.5%</td>
<td>17.3%</td>
<td></td>
</tr>
<tr>
<td>Other races</td>
<td>8.7%</td>
<td>5.6%</td>
<td>4.7%</td>
<td>2.3%</td>
<td>7.3%</td>
<td>27.6%</td>
<td>2.9%</td>
<td>8.7%</td>
<td>8.5%</td>
<td>17.3%</td>
<td></td>
</tr>
</tbody>
</table>

* ACS 5-year estimates used. 2016 represents average characteristics from 2012-2016; 2010 represents 2006-2010.


*Data and Graphics | Page 7*
Race & Ethnicity

What do we measure on this page?

Race is self-identified by Census respondents who choose the race or races with which they most closely identify. Included in "Other Races" are "Asian," "Native Hawaiian or Other Pacific Islander," and respondents providing write-in entries such as multiracial, mixed, or inter racial.

Ethnicity has two categories: Hispanic or Latino, and Non-Hispanic or Latino. The federal government considers race and Hispanic origin to be two separate and distinct concepts. Hispanics and Latinos may be of any race.

Why is it important?

Race and ethnicity are strongly correlated with disparities in health, exposure to environmental pollution, and vulnerability to natural hazards.1

Research consistently has found race-based environmental inequities across many variables, including the tendency for minority populations to live closer to noxious facilities and Superfund sites, and to be exposed to pollution at greater rates than whites.7,1

Many health outcomes are closely related to the local environment. Minority communities often have less access to parks and nutritious food, and are more likely to live in substandard housing.1

Minorities tend to be particularly vulnerable to disasters and extreme heat events. This is due to language skills, housing patterns, quality of housing, community isolation, and cultural barriers.8,4

Blacks and Hispanics, two segments of the population that are currently experiencing poorer health outcomes, are an increasing percentage of the US population.1,9

Research has identified measurable disparities in health outcomes between various minority and ethnic communities.

Across races, the rates of preventable hospitalizations are highest among black and Hispanic populations. Preventable hospital visits often reflect inadequate access to primary care. These types of hospital visits are also costly and inefficient for the health care system.5

Relative to other ethnicities and races, Hispanics and blacks are less likely to have health insurance, but rates of uninsured are dropping for both groups.10

Compared to other races, blacks have higher rates of infant mortality, homicide, heart disease, stroke, and heat-related deaths.5

Hispanics have higher rates of diabetes and asthma.5

American Indians have a distinct pattern of health effects different from blacks and Hispanics. Native populations are less likely to have electricity than the general population.2 They have high rates of infant mortality, suicide and homicide, and nearly twice the rate of motor vehicle deaths than the U.S. average.5
Populations at Risk
Combined County Region

Educational Attainment

<table>
<thead>
<tr>
<th>Jackson County, MO</th>
<th>Clay County, MO</th>
<th>Platte County, MO</th>
<th>Cass County, MO</th>
<th>Ray County, MO</th>
<th>Johnson County, KS</th>
<th>Wyandotte County, KS</th>
<th>Leavenworth County, KS</th>
<th>Combined County Region</th>
<th>U.S.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Population 25 years or older, 2016*</td>
<td>415,102</td>
<td>155,000</td>
<td>68,100</td>
<td>87,800</td>
<td>15,777</td>
<td>333,300</td>
<td>101,519</td>
<td>21,836</td>
<td>63,076</td>
</tr>
<tr>
<td>No high school degree</td>
<td>46.7%</td>
<td>11.4%</td>
<td>3.6%</td>
<td>5.0%</td>
<td>12.8%</td>
<td>4.2%</td>
<td>21.3%</td>
<td>3.5%</td>
<td>4.6%</td>
</tr>
<tr>
<td>No high school degree, percent change</td>
<td>-0.2%</td>
<td>1.2%</td>
<td>1.2%</td>
<td>0.9%</td>
<td>1.9%</td>
<td>0.2%</td>
<td>0.6%</td>
<td>2.3%</td>
<td>0.1%</td>
</tr>
</tbody>
</table>

*For example, if the value is 3% in 2010* and 4.5% in 2016*, the reported change in percentage points is 1.5.

| Population with Less than High School Education, Percent of Total, 2016* |
|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| Jackson County, MO | Clay County, MO | Platte County, MO | Cass County, MO | Ray County, MO | Johnson County, KS | Wyandotte County, KS | Miami County, KS | Leavenworth County, KS | Combined County Region | U.S. |
| 10.2% | 7.3% | 4.7% | 7.5% | 12.0% | 4.2% | 21.9% | 5.3% | 8.5% | 8.5% | 13.0% |

*ACS 5-year estimates used. 2016 represents average characteristics from 2012-2016, 2010 represents 2006-2010.

Educational Attainment

What do we measure on this page?

This page describes levels of educational attainment, which refers to the highest degree or level of schooling completed by people 25 years and over.

Why is it important?

High school completion is used as a proxy for overall socioeconomic circumstances. Lack of education is strongly correlated with poverty and poor health.

People without a high school degree are more than twice as likely to live in inadequate housing compared to those with some college education.⁴

A study in California found the lack of a high school degree was the factor most closely related to social vulnerability to climate change.⁴

Thirty-eight percent of Americans without a high school degree do not have health insurance, compared to 10 percent with a college degree.⁷

The rate of diabetes is much greater for those without a high school degree. Incidence of this disease is more than double the rate of those who attended education beyond high school.⁵

Binge drinking is most severe among those without a high school degree. This demographic group had the highest risk of binge drinking across all measured categories (such as income, race, ethnicity, or disability status).⁵
## Populations at Risk
### Combined County Region

### Language Proficiency

<table>
<thead>
<tr>
<th>County</th>
<th>Percentage</th>
<th>Change in Percentage</th>
<th>Population 5 years or older, 2014*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jackson County, MO</td>
<td>1.7%</td>
<td>-0.5</td>
<td>28,831</td>
</tr>
<tr>
<td>Clay County, MO</td>
<td>1.2%</td>
<td>-0.2</td>
<td>27,514</td>
</tr>
<tr>
<td>Platte County, MO</td>
<td>1.6%</td>
<td>0.1</td>
<td>9,063</td>
</tr>
<tr>
<td>Cass County, MO</td>
<td>1.6%</td>
<td>-0.1</td>
<td>7,124</td>
</tr>
<tr>
<td>Ray County, MO</td>
<td>3.2%</td>
<td>0.2</td>
<td>2,619</td>
</tr>
<tr>
<td>Johnson County, KS</td>
<td>1.7%</td>
<td>-0.5</td>
<td>534,311</td>
</tr>
<tr>
<td>Wyandotte County, KS</td>
<td>1.1%</td>
<td>-0.9</td>
<td>144,129</td>
</tr>
<tr>
<td>Miami County, KS</td>
<td>1.1%</td>
<td>0.0</td>
<td>30,784</td>
</tr>
<tr>
<td>Leavenworth County, KS</td>
<td>1.1%</td>
<td>-0.3</td>
<td>13,712</td>
</tr>
<tr>
<td>Combined County Region</td>
<td>1.1%</td>
<td>-0.4</td>
<td>1,847,050</td>
</tr>
</tbody>
</table>

*For example, if the value is 7% in 2015 and 4.5% in 2016, the reported change in percentage points is 1.5.

**Includes "not well" and "not well at all".

**High Reliability:** Data with coefficients of variation (CVs) < 12% are in black to indicate that the sampling error is relatively small.

**Low Reliability:** Data with CVs between 12% and 60% are in orange to indicate that the values should be interpreted with caution.

Data with CVs > 60% are displayed in red to indicate that the estimate is considered very unreliable.

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### People Who Speak English "Not Well", Percent of Total, 2016

- Wyandotte County, KS has the largest share of people who speak English "not well" (7.3%).

### People Who Speak English "Not Well", Change in Percentage Points, 2010-2016

- The largest change in the share of people who speak English "not well" occurred in Wyandotte County, KS, which went from 8.2% to 7.3%.

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* ACS 5-year estimates used. 2016 represents average characteristics from 2012-2016. 2010 represents 2006-2010.


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Language Proficiency

What do we measure on this page?

This page reports the results of self-rated English-speaking ability questions in the American Community Survey.

Why is it important?

Many aspects of life in the US assume basic fluency in English. Thus, people with limited language skills are at risk for inadequate access to health care, social services, or emergency services.

A person's ability to take action during an emergency is compromised by language and cultural barriers.¹⁴

Poor English skills can make it harder to follow directions or interact with agencies.⁴

Lack of language skills can also instill lack of trust for government agencies.

In many industries, poor English skills can make it harder for people to get higher wage jobs.¹

Language barriers make it harder to obtain medical or social services; and make it more difficult to interact with caregivers.¹

Limited English skills may result in isolation from other segments of the US population, and social isolation is a health risk.¹

However some minority communities can be very tightly-knit and not isolated, so this risk factor cannot be generalized across all populations.
### Populations at Risk

#### Combined County Region

### Individuals in Poverty

#### Total Population for whom poverty status is determined, 2016

<table>
<thead>
<tr>
<th>County</th>
<th>MO</th>
<th>KS</th>
<th>Total</th>
<th>MO</th>
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<td>34,199</td>
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<tr>
<td>Combined County Region</td>
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</tbody>
</table>

#### Percent of Total, 2016

- **People in poverty:**
  - Jackson County, MO: 12.2%
  - Clay County, MO: 9.1%
  - Platte County, MO: 7.1%
  - Cass County, MO: 9.3%
  - Ray County, MO: 16.1%
  - Johnson County, KS: 9.5%
  - Wyandotte County, KS: 16.1%
  - Miami-Dade County, KS: 9.6%
  - Leavenworth County, KS: 9.9%
  - Combined County Region: 15.6%

- **People in "deep-poverty"**
  - Jackson County, MO: 6.1%
  - Clay County, MO: 3.6%
  - Platte County, MO: 3.8%
  - Cass County, MO: 4.2%
  - Ray County, MO: 3.7%
  - Johnson County, KS: 3.5%
  - Wyandotte County, KS: 4.0%
  - Miami-Dade County, KS: 4.8%
  - Leavenworth County, KS: 4.1%
  - Combined County Region: 4.6%

- **Births in poverty and over 65**
  - Jackson County, MO: 1.1%
  - Clay County, MO: 0.8%
  - Platte County, MO: 0.8%
  - Cass County, MO: 0.8%
  - Ray County, MO: 0.8%
  - Johnson County, KS: 1.3%
  - Wyandotte County, KS: 1.3%
  - Miami-Dade County, KS: 1.3%
  - Leavenworth County, KS: 1.3%
  - Combined County Region: 1.3%

#### Change in Percentage Points, 2010-2016

For example, if the value is in 2010 and 4.5% in 2016, the reported change in percentage points is 1.5.

- **People in poverty:**
  - Jackson County, MO: 1.6%
  - Clay County, MO: 1.2%
  - Platte County, MO: 0.7%
  - Cass County, MO: 2.2%
  - Ray County, MO: 0.7%
  - Johnson County, KS: 0.5%
  - Wyandotte County, KS: 1.5%
  - Miami-Dade County, KS: 1.6%
  - Leavenworth County, KS: 1.8%
  - Combined County Region: 1.3%

- **People in "deep-poverty"**
  - Jackson County, MO: 0.8%
  - Clay County, MO: 0.4%
  - Platte County, MO: -1.2%
  - Cass County, MO: 1.3%
  - Ray County, MO: 2.7%
  - Johnson County, KS: 0.3%
  - Wyandotte County, KS: 1.6%
  - Miami-Dade County, KS: 0.6%
  - Leavenworth County, KS: 0.8%
  - Combined County Region: 0.7%

#### High Reliability: Data with coefficients of variation (CVs) < 12% are in black to indicate that the sampling error is relatively small.

#### Low Reliability: Data with CVs > 40% are displayed in red to indicate that the estimate is considered very unreliable.

#### Data and Graphics | Page 5
Individuals in Poverty

What do we measure on this page?

This page describes the number of people living below the poverty line, those in deep poverty, and individuals 65 and older in poverty. Poverty status is determined for all people except those institutionalized, in military group quarters, in college dormitories, and unrelated individuals less than 15 years old. The total population in the poverty table is slightly smaller than the overall population.

Following the Office of Management and Budget’s Directive 14, the Census Bureau uses a set of income thresholds that vary by family size and composition to define who is poor. If the total income for a family or an unrelated individual falls below the relevant poverty threshold, the family or an unrelated individual is classified as being “below the poverty level.”

Why is it important?

Low income is one of the strongest predictors for compromised health and ability to recover from disruptions. This is true across many types of risk, including general health as well as risks from extreme weather, climate change, and environmental stresses.

Natural disasters disproportionately impact the poor because of factors such as inadequate housing, social exclusion, a diminished ability to evacuate, lack of property insurance, and more acute emotional stress. Low-income people also are more likely to be overlooked during emergency response following disasters.

Low-income people are more likely to live or work in areas with greater exposure to environmental hazards such as particulate matter or ozone. They also are more likely to work outdoors, with greater exposure to climate-related risks.

The relationship between lower income and poor health outcomes is most pronounced for the poorest. Additional income for the poorest tends to improve health outcomes more than for those in other income groups.

A lack of resources is only part of the reason for poor health outcomes. Income inequality within a community also is associated with poor health outcomes.

Residents living in low-income neighborhoods tend to have worse physical and mental health—such as asthma, depression, diabetes, heart conditions, and emotional stress—compared to higher-income areas.

People with lower income have higher rates of preventable hospitalizations, usually related to insufficient access to primary health care.

The poor are least likely to have health insurance, and poor health outcomes related to environmental risks like air pollution are exacerbated for those who do not have health insurance.

Those who are disabled and living in poverty have even greater risk from environmental hazards.

Lack of mobility makes evacuation difficult.

In 2009, households with at least one person with a disability had a 20 percent higher chance of living in inadequate housing compared to households without a disabled person.
## Populations at Risk
### Combined County Region

### Families in Poverty

<table>
<thead>
<tr>
<th>Jackson County, MO</th>
<th>Clay County, MO</th>
<th>Platte County, MO</th>
<th>Cass County, MO</th>
<th>Ray County, MO</th>
<th>Johnson County, KS</th>
<th>Wyandotte County, KS</th>
<th>Miami County, KS</th>
<th>Leavenworth County, KS</th>
<th>Combined County Region</th>
<th>U.S.</th>
</tr>
</thead>
<tbody>
<tr>
<td>182,972</td>
<td>66,436</td>
<td>26,112</td>
<td>27,361</td>
<td>6,014</td>
<td>151,387</td>
<td>37,518</td>
<td>8,854</td>
<td>10,429</td>
<td>408,770</td>
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<tr>
<td>Families in poverty</td>
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<td>7,083</td>
<td>1,280</td>
<td>1,594</td>
<td>5,005</td>
<td>5,900</td>
<td>500</td>
<td>1,307</td>
<td>43,568</td>
<td>85,543,687</td>
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<tr>
<td>Families with children in poverty</td>
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<td>1,261</td>
<td>1,456</td>
<td>4,586</td>
<td>5,910</td>
<td>500</td>
<td>1,100</td>
<td>33,800</td>
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<tr>
<td>Single mother families in poverty</td>
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<td>1,280</td>
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<td>3,615</td>
<td>2,656</td>
<td>500</td>
<td>1,100</td>
<td>23,844</td>
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### Percent of Total, 2016

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<th>Clay County, MO</th>
<th>Platte County, MO</th>
<th>Cass County, MO</th>
<th>Ray County, MO</th>
<th>Johnson County, KS</th>
<th>Wyandotte County, KS</th>
<th>Miami County, KS</th>
<th>Leavenworth County, KS</th>
<th>Combined County Region</th>
<th>U.S.</th>
</tr>
</thead>
<tbody>
<tr>
<td>12.6%</td>
<td>6.1%</td>
<td>5.2%</td>
<td>6.8%</td>
<td>6.2%</td>
<td>4.0%</td>
<td>16.7%</td>
<td>15.7%</td>
<td>7.1%</td>
<td>11.2%</td>
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<tr>
<td>Single mother families in poverty</td>
<td>7.4%</td>
<td>7.2%</td>
<td>3.9%</td>
<td>3.7%</td>
<td>3.2%</td>
<td>10.2%</td>
<td>10.2%</td>
<td>3.7%</td>
<td>5.2%</td>
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</tbody>
</table>

### Change in Percentage Points, 2015-2016

*For example, if the value is 3% in 2015 and 5% in 2016, the reported change in percentage points is 2%. If the value is 5% in 2015 and 3% in 2016, the reported change in percentage points is -2%.

<table>
<thead>
<tr>
<th>Jackson County, MO</th>
<th>Clay County, MO</th>
<th>Platte County, MO</th>
<th>Cass County, MO</th>
<th>Ray County, MO</th>
<th>Johnson County, KS</th>
<th>Wyandotte County, KS</th>
<th>Miami County, KS</th>
<th>Leavenworth County, KS</th>
<th>Combined County Region</th>
<th>U.S.</th>
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</thead>
<tbody>
<tr>
<td>0.5%</td>
<td>1.2%</td>
<td>0.7%</td>
<td>0.8%</td>
<td>0.9%</td>
<td>0.4%</td>
<td>0.3%</td>
<td>0.0%</td>
<td>1.2%</td>
<td>0.6%</td>
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<tr>
<td>Families with children in poverty</td>
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<td>0.5%</td>
<td>1.1%</td>
<td>1.0%</td>
<td>0.9%</td>
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<td>0.7%</td>
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<tr>
<td>Single mother families in poverty</td>
<td>0.7%</td>
<td>0.3%</td>
<td>0.4%</td>
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<td>0.0%</td>
<td>0.0%</td>
<td>0.8%</td>
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</table>

### Wyoming County, KS

- Wyandotte County, KS has the largest share of single mother families in poverty (10.2%).

### Families in Poverty, Percent of Total, 2016

- The largest change in the share of single mother families in poverty occurred in Wyandotte County, KS, which went from 8.2% to 10.2%. 

### Families in Poverty, Change in Percentage Points, 2015-2016

- 456 678

### Notes

High Reliability: Data with confidence intervals (CIs) > 90% are in black to indicate that the sampling error is relatively small.

Medium Reliability: Data with CIs between 70% to 90% are in orange to indicate that the values should be interpreted with caution.

Low Reliability: Data with CIs < 70% are displayed in red to indicate that the estimate is considered very unreliable.

**ACS 5-year estimates used. 2016 represents average characteristics from 2012-2016; 2010 represents 2005-2010.**

Families in Poverty

What do we measure on this page?

This page describes the number of families living below the poverty line, and separately reports families with children and single mother families with children.

The Census defines a family as a group of two or more people who reside together and who are related by birth, marriage, or adoption.

The Census Bureau uses a set of income thresholds that vary by family size and composition to define who is poor. If the total income for a family or an unrelated individual falls below the relevant poverty threshold, then the family or an unrelated individual is classified as being "below the poverty level."

Why is it important?

Families in poverty may lack the resources to meet their basic needs. Their challenges cross the spectrum of food, housing, health care, education, vulnerability to natural disasters, and emotional stress.

To save money, families with low incomes often have to make lifestyle compromises such as unhealthy foods, less food, substandard housing, or delayed medical care.¹

Lack of financial resources makes families in poverty more vulnerable to natural disasters. This is due to inadequate housing, social exclusion, and an inability to re-locate or evacuate.¹ ²

Inadequate shelter exposes occupants to increased risk from storms, floods, fire, and temperature extremes.² Households with low incomes are more likely to have unhealthy housing such as leaks, mold, or rodents.³

The expense of running fans, air conditioners, and heaters makes low-income people hesitant to mitigate the temperature of their living spaces.¹ ² Furthermore, those in high-crime areas may not want to open their windows.²

Families in poverty are disproportionately affected by higher food prices, which are expected to rise in response to climate change.¹

Children in poor families, on average, receive fewer years of education compared to children in wealthier families.¹²

Low-income residents are less likely to have adequate property insurance, so they may bear an even greater burden from property damage due to natural hazards.²

Living in poverty can lead to a lack of personal control over potentially hazardous situations such as increased air pollution or flooding. Impoverished families may be less likely to take proactive measures to prevent harm.¹¹
Populations at Risk
Combined County Region

Households Receiving Public Assistance

<table>
<thead>
<tr>
<th></th>
<th>Jackson County, MO</th>
<th>Clay County, MO</th>
<th>Platte County, MO</th>
<th>Cass County, MO</th>
<th>Ray County, MO</th>
<th>Johnson County, KS</th>
<th>Wyandotte County, KS</th>
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<th>Leavenworth County, KS</th>
<th>Combined County Region</th>
<th>U.S.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Households, 2016*</td>
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<td>81,596</td>
<td>17,624</td>
<td>38,046</td>
<td>8,610</td>
<td>222,087</td>
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<td>12,500</td>
<td>27,122</td>
<td>778,530</td>
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<td>Supplemental Security Income (SSI)</td>
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<td>1,070</td>
<td>1,646</td>
<td>1,095</td>
<td>1,895</td>
<td>34,226</td>
<td>3,147,177</td>
</tr>
<tr>
<td>Food Stamp/SNAP</td>
<td>30,100</td>
<td>7,013</td>
<td>2,030</td>
<td>1,070</td>
<td>560</td>
<td>1,070</td>
<td>1,646</td>
<td>1,095</td>
<td>1,895</td>
<td>34,226</td>
<td>3,147,177</td>
</tr>
<tr>
<td>Percent of Total, 2016*</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Supplemental Security Income (SSI)</td>
<td>5.4%</td>
<td>3.4%</td>
<td>2.1%</td>
<td>0.3%</td>
<td>0.7%</td>
<td>1.7%</td>
<td>8.8%</td>
<td>4.1%</td>
<td>4.6%</td>
<td>3.0%</td>
<td>5.4%</td>
</tr>
<tr>
<td>Cash public assistance income</td>
<td>2.1%</td>
<td>0.2%</td>
<td>0.3%</td>
<td>0.3%</td>
<td>0.0%</td>
<td>0.7%</td>
<td>2.4%</td>
<td>0.6%</td>
<td>2.0%</td>
<td>2.1%</td>
<td>2.0%</td>
</tr>
<tr>
<td>Food Stamp/SNAP</td>
<td>14.1%</td>
<td>7.3%</td>
<td>2.1%</td>
<td>4.0%</td>
<td>0.9%</td>
<td>2.4%</td>
<td>6.4%</td>
<td>1.0%</td>
<td>1.4%</td>
<td>3.0%</td>
<td>13.0%</td>
</tr>
<tr>
<td>Change in Percentages Pointes, 2010-2016*</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Supplemental Security Income (SSI)</td>
<td>1.6%</td>
<td>1.2%</td>
<td>0.1%</td>
<td>0.4%</td>
<td>0.1%</td>
<td>0.2%</td>
<td>0.0%</td>
<td>0.0%</td>
<td>0.0%</td>
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<td>1.0%</td>
</tr>
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<td>0.0%</td>
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<td>0.0%</td>
<td>0.0%</td>
<td>0.0%</td>
<td>0.0%</td>
<td>0.0%</td>
<td>0.0%</td>
</tr>
<tr>
<td>Food Stamp/SNAP</td>
<td>2.2%</td>
<td>1.1%</td>
<td>0.3%</td>
<td>0.3%</td>
<td>0.3%</td>
<td>0.3%</td>
<td>0.3%</td>
<td>0.3%</td>
<td>0.3%</td>
<td>0.3%</td>
<td>0.3%</td>
</tr>
<tr>
<td>Median Household Income (MHI), 2016*</td>
<td>$60,114</td>
<td>$85,060</td>
<td>$78,988</td>
<td>$81,799</td>
<td>$78,820</td>
<td>$48,014</td>
<td>$61,613</td>
<td>$46,664</td>
<td>$57,413</td>
<td>$56,104</td>
<td></td>
</tr>
<tr>
<td>Change in MHI, 2010-2016 (2017 $)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
| High Reliability: Data with coefficients of variation (CVs) > 12% are in black to indicate that the sampling error is relatively small.
| Moderate Reliability: Data with CVs between 12% & 49% are in orange to indicate that the values should be interpreted with caution.
| Low Reliability: Data with CVs > 49% are displayed in red to indicate that the estimate is considered very unreliable.

Percent of Households Receiving Earnings, by Source, 2016*

- Wyandotte County, KS has the largest share of households receiving Supplemental Security Income (8.8%).
- Miami County, KS has the largest share of households receiving public assistance income (2.0%).
- Wyandotte County, KS has the largest share of households receiving Food Stamp/SNAP (17.4%).

* ACS 5-year estimates used. 2016 represents average characteristics from 2012-2016; 2010 represents 2006-2010.


For more reports visit this site: household/households.economics.ssgree.

Data and Graphics | Page 7
Households Receiving Public Assistance

What do we measure on this page?

This page describes the number of households receiving public assistance.

Supplemental Security Income, or SSI, provides financial assistance to people with limited income who are aged, blind, or disabled. Unlike Social Security benefits, which are determined by the recipient’s lifetime earnings, SSI benefits are not based on prior work.\textsuperscript{13}

Cash public assistance can be from the Federal program, Temporary Assistance for Needy Families (TANF), or various state-level cash assistance programs. It does not include separate payments received for hospital or other medical care (vendor payments) or SSI or noncash benefits such as the Supplemental Nutrition Assistance Program.

The Supplemental Nutrition Assistance Program, or SNAP, (formerly known as food stamps), provides benefits to those who are unemployed, have no or low incomes, are elderly, are disabled with low incomes, or are homeless. The income threshold for SNAP varies with household size and other factors. SNAP benefits can be used to purchase grocery items such as breads, cereals, fruits, vegetables, meats, and dairy products.\textsuperscript{14}

Median income can be used to identify areas of high or low income, but care should be taken to consider regional differences in cost of living.

Why is it important?
The number of households receiving public assistance are indicative of households living in poverty or with insufficient resources.

In 2011, families receiving public assistance spent 77 percent of their household budget to meet the basic necessities of housing, food, and transportation.\textsuperscript{15}

Payments associated with economic hardship are associated with lower household income and educational attainment, higher poverty and unemployment. They are often high in communities that are losing population.\textsuperscript{16}
# Populations at Risk

## Combined County Region

### Labor Participation

<table>
<thead>
<tr>
<th></th>
<th>Jackson County, MO</th>
<th>Clay County, MO</th>
<th>Platte County, MO</th>
<th>Cass County, MO</th>
<th>Ray County, MO</th>
<th>Johnson County, KS</th>
<th>Wyandotte County, KS</th>
<th>Miami County, KS</th>
<th>Leavenworth County, KS</th>
<th>Combined County Region</th>
<th>U.S.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Population 16 to 64 years, 2016*</td>
<td>483,521</td>
<td>151,855</td>
<td>63,022</td>
<td>83,378</td>
<td>18,352</td>
<td>372,460</td>
<td>102,134</td>
<td>20,302</td>
<td>51,933</td>
<td>1,260,521</td>
<td>2,077,138</td>
</tr>
<tr>
<td>People that did not work</td>
<td>506,844</td>
<td>26,765</td>
<td>9,663</td>
<td>12,551</td>
<td>3,557</td>
<td>57,292</td>
<td>25,962</td>
<td>3,551</td>
<td>12,850</td>
<td>282,288</td>
<td>51,123,366</td>
</tr>
<tr>
<td>People that did not work, percent</td>
<td>21.7%</td>
<td>12.1%</td>
<td>15.6%</td>
<td>16.8%</td>
<td>24.9%</td>
<td>19.5%</td>
<td>25.2%</td>
<td>18.1%</td>
<td>24.8%</td>
<td>19.9%</td>
<td>19.7%</td>
</tr>
<tr>
<td>People that did not work, change in percentage points*, 2015-2016</td>
<td>2.6</td>
<td>1.7</td>
<td>4.1</td>
<td>4.0</td>
<td>2.2</td>
<td>1.9</td>
<td>1.3</td>
<td>1.3</td>
<td>2.1</td>
<td>2.1</td>
<td>2.3</td>
</tr>
</tbody>
</table>

**For example, if the value is 3% in 2015 and 4% in 2016, the reported change in point percent is 1.**

**High Reliability:** Data with coefficients of variation (CVs) < 20% are in black to indicate the sampling error is relatively small.

**Moderate Reliability:** Data with CVs between 20% - 40% are in orange to indicate the values should be interpreted with caution.

**Low Reliability:** CVs with CVs > 40% are displayed in red to indicate the estimates should be considered very unreliable.

### People that Did Not Work: Percent of Population (16-64 Years), 2016*

- Wyandotte County, KS has the largest share of the population that did not work (24.8%).

### People that Did Not Work: Change in Percentage Points, 2010-2016*

- The largest change in the share of the population that did not work occurred in Cass County, MO, which went from 15.8% to 19.8%.

---

*ACS 5-year estimates used. 2016 represents average characteristics from 2012-2016; 2010 represents 2006-2010.

**Citation:** U.S. Department of Commerce, 2017, Census Bureau, American Community Survey Office. Washington, D.C. reported by HealthyAgingEconomies.com: Populations at Risk, healthyagingeconomies.org

*Find more reports like this at healthyagingeconomies.org*
Labor Participation

What do we measure on this page?

This page shows the share of the working age population that did not work. This value differs from the unemployment rate, which is more narrowly defined as the share of individuals who did not work and were actively seeking work.

Why is it important?

In general, robust participation in the labor force is indicative of vibrant local and regional economic development.¹⁷ Not working can limit access to health insurance and health care, and has been linked with impaired health. Low labor force participation may indicate a high proportion of discouraged workers no longer seeking employment, but it can also indicate a high proportion of students or retirees.

Low labor force participation is closely associated with high unemployment, although labor force participation can be low in places like retirement destinations that are otherwise economically successful.¹⁸

Compared to labor force participation, unemployment figures may under-represent the magnitude of economic burden, because they do not include those who have stopped seeking work, those who are involuntarily employed part-time, or people with disabilities that prevent them from working.¹⁷

Unemployed people are a subset of those who are not in the labor force. Research relating work status to social outcomes focuses on the unemployed.

Unemployment is strongly linked with adverse health outcomes such as cardiovascular disease, suicide, compromised mental health, and alcohol use. Unemployed people have higher rates of hospitalizations, medication use, and health care visits.¹⁹

Being without a job limits lifestyle choices and is linked with behaviors that contribute to poor health, such as disrupted social relationships, unhealthy diet, increased alcohol use, and greater stress.¹⁷,¹⁹

High, persistent joblessness within a community, places an additional burden on social services, and resources may be more scarce because they are spread thinly.¹⁷
## Housing Affordability

<table>
<thead>
<tr>
<th>Jackson County, MO</th>
<th>Clay County, MO</th>
<th>Platte County, MO</th>
<th>Cass County, MO</th>
<th>Ray County, MO</th>
<th>Johnson County, KS</th>
<th>Wyandotte County, KS</th>
<th>Miami County, KS</th>
<th>Leavenworth County, KS</th>
<th>Combined County Region</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total owner-occupied, mortgaged homes, 2016</td>
<td>107,871</td>
<td>43,797</td>
<td>17,602</td>
<td>19,661</td>
<td>3,880</td>
<td>111,377</td>
<td>26,790</td>
<td>21,986</td>
<td>24,321</td>
</tr>
<tr>
<td>Total rental-occupied units, 2016</td>
<td>115,007</td>
<td>26,634</td>
<td>13,362</td>
<td>6,926</td>
<td>1,041</td>
<td>97,838</td>
<td>23,260</td>
<td>2,938</td>
<td>9,942</td>
</tr>
<tr>
<td>Rent as % of household income</td>
<td>32.5%</td>
<td>39.2%</td>
<td>29.7%</td>
<td>27.3%</td>
<td>24.3%</td>
<td>35.6%</td>
<td>25.1%</td>
<td>26.5%</td>
<td>23.4%</td>
</tr>
</tbody>
</table>

**Percent of Total, 2016**

| Mortgage cost >30% of household income | 38.2% | 31.7% | 22.2% | 24.3% | 31.4% | 20.6% | 31.4% | 26.5% | 22.4% |
| Rent as % of household income | 43.7% | 36.4% | 32.5% | 24.3% | 25.7% | 23.9% | 36.9% | 42.7% | 47.3% |

**Change in Percentage Points, 2010-2016**

For example, if the value is 3% in 2010 and 4.5% in 2016, the reported change in percentage points is 1.5.

| Mortgage cost >30% of household income | -0.5 | -0.4 | -2.1 | -0.1 | -0.1 | -0.3 | -0.1 | 0.0 | 0.0 |
| Rent as % of household income | -1.7 | -4.7 | 3.5 | 7.0 | 5.9 | 1.4 | 5.9 | 4.3 | 5.3 |

**Median Monthly Housing Costs in 2017 $s**

| Mortgage cost, 2016 | $1,703 | $1,405 | $1,613 | $1,408 | $1,703 | $1,703 | $1,613 | $1,408 | $1,613 |
| Change in mortgage cost, 2010-2016 | $517 | -$156 | $24 | -$35 | $-45 | $45 | $24 | -$35 | $45 |
| Change in rental cost, 2010-2016 | $873 | $890 | $284 | $284 | $284 | $284 | $284 | $284 | $284 |

**Housing Costs as a Percent of Household Income, 2016**

- Wyandotte County, KS has the largest share of unaffordable housing for homeowners, with 45.1% spending over 30% of their income on mortgage costs.
- Miami County, KS has the largest share of unaffordable housing for renters, with 36.8% spending over 30% of their income on rental costs.

### Notes

- ACS 5-year estimates used; 2016 moments average characteristics from 2013-2016; 2016 represents 2010-2016.
Housing Affordability

What do we measure on this page?

This page describes whether housing is affordable for homeowners and renters.

The use of the ratio of income to housing costs was formalized in the US Housing and Development Act. The 30 percent threshold was established in 1981, is used currently to determine rent prices for most rent assistance programs.\textsuperscript{20}

"Mortgage cost" is defined as the sum of payment for mortgages, real estate taxes, insurances, utilities, fuels, mobile home costs, and/or condominium fees.

"Gross rent" is defined as the amount of the contract rent plus the estimated average monthly cost of utilities and fuels if these are paid for by the renter.

Why is it important?

The government considers families with housing costs exceeding 30 percent of income to be "housing-cost burdened."\textsuperscript{20,21} Families who are housing cost burdened may need to make financial sacrifices in other aspects of their life, which may lead to negative health and social outcomes.

The 30 percent ratio reflects both housing cost and income. In areas with high housing prices, even families with high incomes can approach or exceed the 30 percent threshold.

High housing costs may create financial difficulty in paying for other necessities such as food, health care, and transportation.\textsuperscript{21} Thus families may have to sacrifice, compromise, or delay other essential needs.\textsuperscript{1}

Families living in affordable housing are more stable and less likely to move frequently. This stability is linked to several positive health outcomes in children and young adults, such as improved emotional and behavioral problems, fewer pregnancies, reduced drug use, and a lower risk for depression.\textsuperscript{1}

Housing costs do not affect all income groups equally. For low-income families, the money that remains after household expenses may not be sufficient to cover their needs. But for high wage-earners, paying a high proportion of their income for housing may not pose any financial burden.\textsuperscript{20}

Housing cost burden is more common for renters. In 2006, 46 percent of U.S. renters had housing costs that exceeded 30 percent of their income.\textsuperscript{20} Cost-burden renters are especially prevalent in large cities.\textsuperscript{22} The high proportion of household costs for renters has further increased over the past 25 years.

To live in more affordable housing, some people may opt to live outside of metropolitan areas, which lowers housing cost but increases transportation cost.

In 2006, housing cost burden was more prevalent for racial and ethnic minorities and was lowest for whites.\textsuperscript{20}

Financial insecurity for a home—such as foreclosure, eviction, or uncertainty about one's ability to afford housing—is a source of emotional stress.\textsuperscript{23} This effect is heightened by people's emotional attachment to their home and their neighborhood.\textsuperscript{24}
## Populations at Risk
### Combined County Region

### Rental & Mobile Homes

<table>
<thead>
<tr>
<th></th>
<th>Jackson County, MO</th>
<th>Clay County, MO</th>
<th>Platte County, MO</th>
<th>Cass County, MO</th>
<th>Ray County, MO</th>
<th>Johnson County, KS</th>
<th>Wyandotte County, KS</th>
<th>Miami County, KS</th>
<th>Leavenworth County, KS</th>
<th>Combined County Region</th>
<th>U.S.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Occupied Rental Units, 2016*</td>
<td>274,898</td>
<td>75,200</td>
<td>295,963</td>
<td>238,543</td>
<td>186,910</td>
<td>182,097</td>
<td>303,622</td>
<td>170,917</td>
<td>130,560</td>
<td>779,878</td>
<td>837,573</td>
</tr>
<tr>
<td>Rental Units Mobile Homes</td>
<td>3,269</td>
<td>1,864</td>
<td>1,787</td>
<td>4,000</td>
<td>1,041</td>
<td>1,278</td>
<td>1,303</td>
<td>2,810</td>
<td>8,042</td>
<td>372,265</td>
<td>67,052.207</td>
</tr>
</tbody>
</table>

#### Percent of Total, 2016*

- **Rental Units Mobile Homes**: 4.1%, 3.0%, 3.5%, 3.4%, 2.4%, 2.1%, 3.1%, 4.2%, 2.2%, 3.3%, 3.5%, 4.3%

#### Change in Rental Units Mobile Homes, 2010* - 2016*

- **Rental Units Mobile Homes**: 5.0%, 5.4%, 5.3%, 5.7%, 4.4%, 7.2%, 7.0%, 3.9%, 2.9%, 4.0%, 4.3%

#### Median Home Value (MHV), 2010*

- **Median Home Value (MHV), 2010**
  - Jackson County, MO: $130,075
  - Clay County, MO: $156,889
  - Platte County, MO: $200,116
  - Cass County, MO: $164,391
  - Ray County, MO: $227,070
  - Johnson County, KS: $91,200
  - Wyandotte County, KS: $177,041
  - Miami County, KS: na
  - Leavenworth County, KS: na
  - Combined County Region: $188,579

#### High Reliability: Data with coefficients of variation (CV) > 12% is a red flag to indicate that the sampling error is relatively small.

#### Low Reliability: Data with CVs between 12% and 40% are given to indicate that the values should be interpreted with caution.

### Rental Units and Mobile Homes as a Percent of Total Housing Units, 2016*

- Jackson County, MO: 41.5%
- Clay County, MO: 30.1%
- Platte County, MO: 31.4%
- Cass County, MO: 21.0%
- Ray County, MO: 22.4%
- Johnson County, KS: 31.0%
- Wyandotte County, KS: 42.8%
- Miami County, KS: 22.5%
- Leavenworth County, KS: 53.0%
- Combined County Region: 35.1%

### Change in Rental Units Mobile Homes, 2010* - 2016* (2017 est.)

- **Change in Rental Units Mobile Homes, 2010* - 2016* (2017 est.)**
  - Jackson County, MO: $15,993
  - Clay County, MO: $5,164
  - Platte County, MO: $7,836
  - Cass County, MO: $2,710
  - Ray County, MO: $15,993
  - Johnson County, KS: $5,164
  - Wyandotte County, KS: $8,042
  - Miami County, KS: na
  - Leavenworth County, KS: na
  - Combined County Region: $15,993

---

* ACS 5-year estimates used. 2016 represents average characteristics from 2011-2016. 2010 represents 2006-2010.


**Data and Graphic:**

Page 10
Rental & Mobile Homes

What do we measure on this page?

This page reports the numbers of housing units that are either rental units or mobile homes, and provides median home value.

Why is it important?

In general, home ownership contributes to well-being and stability. However, each type of living situation has its own risks and health concerns.

Home ownership is often associated with mental health benefits such as high self-esteem, a sense of control over one's living situation, and financial stability.23

The financial stress associated with losing one's home is heightened by people's emotional attachment to their home and their neighborhood.24

Homeowners typically pay a greater overall housing cost, but renters pay a larger proportion of their income. The high proportion of household costs for renters has further increased over the past 25 years.25

Rental homes are generally not maintained as well as those that are owned. Substandard housing conditions like dampness, mold, and exposure to toxic substances or allergens are linked with compromised health outcomes.23

Areas with high-density residences, such as urban areas, tend to have a greater proportion of renters.1 High density living conditions and large, multistory apartment buildings exacerbate heat-related health stresses.4

Mobile homes are more likely to be damaged in extreme weather, which poses a risk for both the structure and the occupants.4,11
## Potentially Vulnerable Households

### Populations at Risk

**Combined County Region**

<table>
<thead>
<tr>
<th>Total Grouped Households, 2016*</th>
<th>Jackson County, MO</th>
<th>Clay County, MO</th>
<th>Platte County, MO</th>
<th>Cass County, MO</th>
<th>Ray County, MO</th>
<th>Johnson County, KS</th>
<th>Wyandotte County, KS</th>
<th>Miami County, KS</th>
<th>Leavenworth County, KS</th>
<th>Combined County Region</th>
<th>U.S.</th>
</tr>
</thead>
<tbody>
<tr>
<td>People &gt; 65 years &amp; living alone</td>
<td>11,984</td>
<td>83,503</td>
<td>53,608</td>
<td>63,380</td>
<td>222,067</td>
<td>59,067</td>
<td>12,623</td>
<td>27,122</td>
<td>770,538</td>
<td>117,718,237</td>
<td></td>
</tr>
<tr>
<td>Single female households with children &lt; 18 years</td>
<td>28,016</td>
<td>8,618</td>
<td>3,862</td>
<td>2,518</td>
<td>13,810</td>
<td>2,140</td>
<td>1,710</td>
<td>26,100</td>
<td>93,504</td>
<td>15,146,112</td>
<td></td>
</tr>
<tr>
<td>Households with no ear</td>
<td>28,283</td>
<td>5,572</td>
<td>1,787</td>
<td>1,065</td>
<td>5,863</td>
<td>5,863</td>
<td>5,863</td>
<td>5,863</td>
<td>5,863</td>
<td>5,863</td>
<td></td>
</tr>
</tbody>
</table>

### Percent of Total, 2016*

| People > 65 years & living alone | 4.1% | 3.5% | 3.6% | 3.5% | 3.5% | 2.9% | 2.8% | 2.7% | 3.3% | 3.9% |
| Single female households with children < 18 years | 15.6% | 11.0% | 9.4% | 9.7% | 10.4% | 9.0% | 9.0% | 9.0% | 9.0% | 9.0% |
| Households with no ear | 9.5% | 4.5% | 4.7% | 3.6% | 3.6% | 2.5% | 2.4% | 2.4% | 2.4% | 2.4% |

**Change in Percentage Points, 2010-2016**

For example, if the value is 3% in 2010 and 4.5% in 2016, the reported change in percentage points is 1.5.

- People > 65 years & living alone: 0.2%
- Single female households with children < 18 years: 0.5%
- Households with no ear: 0.5%

### Miami County, KS has the largest share of households with people over 65 living alone (4.6%).

### Wyandotte County, KS has the largest share of single female households (17.6%).

### Wyandotte County, KS has the largest share of single female households with children (12.5%).

*ACS 5-year estimates used. 2016 represents average characteristics from 2012-2016; 2010 represents 2005-2010.*

**Notes:** Data with coefficients of variation (CVs) < 12% are in black to indicate that the sampling error is relatively small.

**High Reliability:** Data with CVs between 12.5% and 50% are in orange to indicate that the values should be interpreted with caution.

**Low Reliability:** Data with CVs > 50% are displayed in red to indicate that the estimate is considered very unreliable.
Potentially Vulnerable Households

What do we measure on this page?

This page describes household types that are associated with increased hardship, including the elderly living alone, single female households, single female households with children, and households without a car.

Why is it important?

Older adults are more likely to have compromised health and are less able to overcome disease. Living alone exacerbates health risks, and many health outcomes are worsened by social isolation.

Social isolation is strongly linked to poor health such as premature death, smaller chances of survival after a heart attack, depression, and greater levels of disability from chronic diseases.²

People 65 and older are particularly vulnerable to heat-related illness,⁴ which is exacerbated by social isolation.

Households headed by women face challenges related to income, education, and food security. These factors make it more difficult to respond to health, environmental, or climate risks.

Female-headed households are more likely to be living in poverty. This is most prevalent among black, Hispanic, and Native American households.²⁶

In 2014, 35 percent of female-headed households were food insecure, compared to 14 percent of all households.²⁷

Single mothers may be burdened by providing basic needs such as food and housing, which can make the urgency of other risks seem less important.²⁸

Single-mother families are disproportionately exposed to hazardous levels of air pollution.⁴

Single mothers tend to be less educated and less affluent than the general population, which puts them at greater risk during natural disasters.²⁸

Access to a car is linked with higher wages and more financial stability, and can help families relocate or evacuate in the event of emergencies.

People who own cars are more likely to be employed, work longer hours, and earn more than those who do not.²⁹

Access to a car has measurable benefits for those receiving public assistance. Welfare recipients with access to a car were more likely to work more hours and get higher-paying jobs, and had a greater chance of leaving welfare.³⁰

During emergencies, natural disasters, and extreme weather events, people who do not have a car are less likely to evacuate or have access to emergency response centers.⁴

During heat waves, people without a car are less able to go to community cooling centers or cooler areas.⁴

Pedestrian fatalities are more than twice as likely in poor urban neighborhoods than in wealthier parts of cities.³¹
# Populations at Risk

## Combined County Region

### Potentially Vulnerable People

<table>
<thead>
<tr>
<th>Jackson County, MO</th>
<th>Clay County, MO</th>
<th>Platte County, MO</th>
<th>Cass County, MO</th>
<th>Ray County, MO</th>
<th>Johnson County, KS</th>
<th>Wyandotte County, KS</th>
<th>Miami County, KS</th>
<th>Leavenworth County, KS</th>
<th>Combined County Region</th>
<th>U.S.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total civilian noninstitutionalized population, 2016*</td>
<td>876,819</td>
<td>231,832</td>
<td>64,604</td>
<td>100,468</td>
<td>22,684</td>
<td>589,331</td>
<td>160,525</td>
<td>32,164</td>
<td>71,775</td>
<td>1,058,430</td>
</tr>
<tr>
<td>People w/ disabilities</td>
<td>91,530</td>
<td>26,793</td>
<td>5,975</td>
<td>13,095</td>
<td>5,770</td>
<td>51,908</td>
<td>22,717</td>
<td>3,810</td>
<td>15,657</td>
<td>338,982</td>
</tr>
<tr>
<td>Percent of Total, 2016*</td>
<td>13.5%</td>
<td>11.6%</td>
<td>10.5%</td>
<td>13.1%</td>
<td>10.4%</td>
<td>9.1%</td>
<td>14.2%</td>
<td>10.8%</td>
<td>14.2%</td>
<td>11.3%</td>
</tr>
</tbody>
</table>

*ACS 5-year estimates used. 2016 represents average characteristics from 2012-2016, 2010 represents 2006-2010.

**Percent of people w/ health insurance**

- Jackson County, MO: 93.9%
- Clay County, MO: 93.9%
- Platte County, MO: 93.9%
- Cass County, MO: 93.9%
- Ray County, MO: 93.9%
- Johnson County, KS: 93.9%
- Wyandotte County, KS: 93.9%
- Miami County, KS: 93.9%
- Leavenworth County, KS: 93.9%
- Combined County Region: 93.9%
- U.S.: 93.9%

**High Reliability:** Data with coefficients of variation (CV) < 10% are in black to indicate the sampling error is relatively small.

**Low Reliability:** Data with CV > 40% are in red to indicate that the estimate is considered very unreliable.
# Populations at Risk

## Combined County Region

## Potentially Vulnerable People

<table>
<thead>
<tr>
<th></th>
<th>Jackson County, MO</th>
<th>Clay County, MO</th>
<th>Platte County, MO</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total civilian noninstitutionalized population, 2016*</td>
<td>676,819</td>
<td>231,632</td>
<td>94,004</td>
</tr>
<tr>
<td>People w/ disabilities</td>
<td>91,530</td>
<td>26,793</td>
<td>9,975</td>
</tr>
<tr>
<td>People w/o health insurance</td>
<td>89,931</td>
<td>21,127</td>
<td>7,052</td>
</tr>
</tbody>
</table>

### Percent of Total, 2016*

| Percent of people w/ disabilities | 13.5% | 11.6% | 10.6% |
| Percent of people w/o health insurance | 13.3% | 9.1%  | 7.5%  |

**High Reliability.** Data with coefficients of variation (CVs) < 12% are in black to indicate that the sampling error is relatively small.

**Medium Reliability.** Data with CVs between 12 & 40% are in orange to indicate that the values should be interpreted with caution.

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- Ray County, MO has the largest share of the noninstitutionalized population that is disabled (16.6%).

![Bar graph showing disability rates in Ray County, MO, Clay County, MO, and Platte County, MO.]

- Wyandotte County, KS has the largest share of the noninstitutionalized population without health insurance (21.0%).

![Bar graph showing health insurance rates in Ray County, MO, Clay County, MO, and Platte County, MO.]

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* ACS 5-year estimates used. 2016 represents average characteristics from 2012-2016; 2010 represents 2006-2010.


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## Populations at Risk

### Combined County Region

### Benchmarks

<table>
<thead>
<tr>
<th>Indicators 2016*</th>
<th>Combined County Region</th>
<th>U.S.</th>
<th>Percent Difference Combined County Region vs. U.S.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Percent of Population under 5</td>
<td>6.8%</td>
<td>6.2%</td>
<td></td>
</tr>
<tr>
<td>Percent of Population over 65</td>
<td>13.1%</td>
<td>14.5%</td>
<td></td>
</tr>
<tr>
<td>Percent of Population Non-White (all other races)</td>
<td>21.9%</td>
<td>26.7%</td>
<td></td>
</tr>
<tr>
<td>Percent of Population Hispanic</td>
<td>8.9%</td>
<td>17.3%</td>
<td></td>
</tr>
<tr>
<td>Percent of Population without a High School Diploma</td>
<td>8.5%</td>
<td>13.0%</td>
<td></td>
</tr>
<tr>
<td>Percent of Population that speak English &quot;Not Well&quot;</td>
<td>1.9%</td>
<td>4.5%</td>
<td></td>
</tr>
<tr>
<td>Percent of Population in &quot;Deep Poverty&quot;</td>
<td>5.5%</td>
<td>6.7%</td>
<td></td>
</tr>
<tr>
<td>Percent of Families Below Poverty</td>
<td>8.7%</td>
<td>11.0%</td>
<td></td>
</tr>
<tr>
<td>Percent of Families that are Single Mother Households and Below Poverty</td>
<td>4.7%</td>
<td>5.0%</td>
<td></td>
</tr>
<tr>
<td>Percent of Households Receiving Food Stamps (SNAP)</td>
<td>9.8%</td>
<td>13.0%</td>
<td></td>
</tr>
<tr>
<td>Percent of Population that &quot;Did Not Work&quot;</td>
<td>19.7%</td>
<td>24.7%</td>
<td></td>
</tr>
<tr>
<td>Percent of Rentals where Gross Rent Exceeds 30% of Household Income</td>
<td>42.7%</td>
<td>47.3%</td>
<td></td>
</tr>
<tr>
<td>Percent of Housing that are Mobile Homes</td>
<td>1.3%</td>
<td>5.7%</td>
<td></td>
</tr>
<tr>
<td>Percent of Households that are Single Female with Children under 18</td>
<td>8.3%</td>
<td>8.3%</td>
<td></td>
</tr>
<tr>
<td>Percent of Households with No Car</td>
<td>6.4%</td>
<td>9.0%</td>
<td></td>
</tr>
<tr>
<td>Percent of Population over 65 and Living Alone</td>
<td>30.4%</td>
<td>33.4%</td>
<td></td>
</tr>
<tr>
<td>Percent of Population with Disabilities</td>
<td>11.9%</td>
<td>12.5%</td>
<td></td>
</tr>
<tr>
<td>Percent of Population without Health Insurance</td>
<td>10.6%</td>
<td>11.7%</td>
<td></td>
</tr>
</tbody>
</table>

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Benchmarks

What do we measure on this page?

This page shows a quick comparison for most of the indicators covered in this report to highlight how the region differs from the selected benchmark geography.

The percent, or relative, difference between the selected geography and the benchmark is calculated by dividing the difference between the values by the arithmetic mean of the values.

Why is it important?

These indicators are all measures of a population more likely to experience adverse outcomes from disruptions due to extreme weather events, climate change, pollution, or limited health care access.

Particularly high percentages for any of these indicators may highlight populations that are at higher risk and in need of outreach from disaster planning, public health, or social service organizations.


http://www.cdc.gov/mmwr/pdf/other/su6001.pdf


https://www.census.gov/content/dam/Census/library/publications/2014/demo/p60-250.pdf


Population at Risk
Combined County Region

Literature Cited (cont.)


22 - Mike Maciag, "Where do people spend the most of their paycheck on housing?" Governing Magazine (February 20, 2014). http://www.governing.com/topics/urban/gov-housing-affordability-burden-state-report.html


