Population Estimates

Tom Sawyer
Kentucky State Data Center
University of Louisville

Kentucky State Data Center Affiliate Meeting
Urban Studies Institute
University of Louisville
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Sources of Demographic Data

1. Decennial Census

2. Census Bureau Population Estimates

3. Population Projections
Decennial Census

• Mandated by Article 1, Section 2 of the U.S. Constitution

• Based on actual counts of persons

• Used to determine the number of members in the House of Representatives from each state

• Used by states for redistricting

• Provides the base population for the annual population estimates series
Population Estimates

• A calculated number of people living in an area at a specific point in time

• Derived using mathematical models that account for the change in births, deaths, and net migration since the most recent census

• Estimates reflect recent measurable trends

• Used as population controls for surveys (CPS, ACS, SAIPE, etc)

• Used by state and local government agencies and non-profits as denominators in rate calculations, administration of programs and allocation of funds
Population Projections

• Projections are estimates of the population for future dates

• Instead of using symptomatic indicators of actual population change, projections methodologies use a set of assumptions about future births, deaths, and net migration

• Used by government, businesses, and non-profits for planning purposes and demand forecasts
<table>
<thead>
<tr>
<th>Population Detail</th>
<th>Latest Data Available</th>
<th>Date of Next Release</th>
</tr>
</thead>
<tbody>
<tr>
<td>National and State population and demographic components of population change</td>
<td>7/1/2013</td>
<td>12/2014 (7/1/2014 data)</td>
</tr>
<tr>
<td>Puerto Rico Commonwealth population and demographic components of population change</td>
<td>7/1/2013</td>
<td>12/2014 (7/1/2014 data)</td>
</tr>
<tr>
<td>State and Puerto Rico Commonwealth population 18 and over</td>
<td>7/1/2013</td>
<td>1/2015 (7/1/2014 data)</td>
</tr>
<tr>
<td>County population and demographic components of population change</td>
<td>7/1/2013</td>
<td>3/2015 (7/1/2014 data)</td>
</tr>
<tr>
<td>Puerto Rico municipio population and demographic components of population change</td>
<td>7/1/2013</td>
<td>3/2015 (7/1/2014 data)</td>
</tr>
<tr>
<td>Metropolitan and micropolitan statistical area population and demographic components of population change</td>
<td>7/1/2013</td>
<td>3/2015 (7/1/2014 data)</td>
</tr>
<tr>
<td>City and town (incorporated place and minor civil division) population</td>
<td>7/1/2013</td>
<td>5/2015 (7/1/2014 data)</td>
</tr>
<tr>
<td>National, State, and County housing units</td>
<td>7/1/2013</td>
<td>5/2015 (7/1/2014 data)</td>
</tr>
<tr>
<td>National population by age, sex, race, and Hispanic origin</td>
<td>7/1/2013</td>
<td>6/2015 (7/1/2014 data)</td>
</tr>
<tr>
<td>State population by age, sex, race, and Hispanic origin</td>
<td>7/1/2013</td>
<td>6/2015 (7/1/2014 data)</td>
</tr>
<tr>
<td>Puerto Rico Commonwealth population by age and sex</td>
<td>7/1/2013</td>
<td>6/2015 (7/1/2014 data)</td>
</tr>
<tr>
<td>County population by age, sex, race, and Hispanic origin</td>
<td>7/1/2013</td>
<td>6/2015 (7/1/2014 data)</td>
</tr>
<tr>
<td>Puerto Rico municipio population by age and sex</td>
<td>7/1/2013</td>
<td>6/2015 (7/1/2014 data)</td>
</tr>
</tbody>
</table>
Kentucky Decennial Census Data

**Census Counts**
Excel tables of historical and current census data for State, ADDs, and Counties

<table>
<thead>
<tr>
<th>Total Population: 1900-2010</th>
</tr>
</thead>
<tbody>
<tr>
<td>Age and Sex: 1960-2010</td>
</tr>
<tr>
<td>Race and Hispanic or Latino: 2000–2010</td>
</tr>
</tbody>
</table>

**Census Profiles**
PDF profiles from the last four censuses are provided for the state, each ADD, county, city, and Census Designated Place (CDP). Each profiles is a comprehensive collection of detailed tables in a multi-page document.

**2010 Census Quick Tables**
Excel tables comparing the State and Counties or comparing Cities, Towns, and Census Designated Places (CDP)

- Population Change and Ranks 2000-2010
- Selected Age Groups and Median Age
- Housing by Occupancy, Tenure, and Vacancy Status
- Households and Families
Population and Housing Units Estimates

Introductory Note

The Census Bureau, in conjunction with the Federal-State Cooperative Program for Population Estimates, produces annual estimates of the total resident population for the nation, states, and counties. Estimates of city populations are produced every two years. Population estimates are derived from mathematical models using symptomatic indicators of population change from year to year. In contrast to population projections based on assumptions of future growth, estimates are historical reflecting recent measurable trends. The estimates reported here were derived from a model using administrative data—birth and death records, Internal Revenue Service tax returns, and Social Security Administration records. As new estimates are produced, previously released estimates are often revised. The decennial census counts also provide a benchmark by which intercensal estimates are revised. Click here for the latest Estimates Release Schedule. For all available Census Bureau estimate data sets, click here. The estimate data available on this site are provided in Excel tables with the additional aggregations of county estimates to Kentucky’s Area Development Districts (ADD).

If you have any questions about Kentucky population estimates or the Census Bureau’s program, contact Tom Sawyer at the Kentucky State Data Center, 602.628-8873 or tsawyer@louisville.edu.

Governmental units, including states, counties and units of local government may challenge the population estimates prepared by the Census Bureau under the provisions of Title 15, The Code of Federal Regulations (C.F.R.), Part 90. For a description of the Challenge Program and a list of accepted challenges, click here.

Data Tables in Excel

Kentucky, ADDs, and Counties

- Total Population (2013)
- Population by Sex, Age, Race and Hispanic Origin (2013)
- Population by Sex and Single-Year Age (2013)
- Components of Population Change (2013)
- Housing Units (2012)

Kentucky Cities

- Total Population (2013)
- Population by County (2013)

United States, States, and Puerto Rico

- Total Population (2013)
Population Projections

Introductory Note

Released in December, 2011, these KSDC population forecasts incorporate the results of the 2010 Census. For the state, ADDs, and counties, projections are provided for the total population and the population in households by sex and age, the number of households and household size, and the components of population change. Projection data are given in Excel tables displaying 2000 and 2010 Census data and projections at 5-year intervals 2015-2050. Population pyramids displaying persons in households and group quarters are also provided.

The household population and the group quarters population age 65 and above were projected using the demographic cohort-component method. County-specific assumptions about future mortality, fertility, and migration were derived from the latest demographic patterns and trends of the 2000-2010 decade. The group quarters population under age 65 was projected to remain constant at their 2010 Census counts. Projections of the group quarters population above age 65 were based on their share of the 2010 Census total population. Forecasts of the number of households and household size were derived from the cohort-headship method.

Population Projections 2015-2050

Kentucky, ADD, and County Tables in Excel

- Total Population
- Population by Sex and Age
- Population in Households
- Household Population by Sex and Age
- Components of Population Change
- Number of Households and Household Size

Kentucky and County Population Pyramids

- Kentucky, Adair through Knott
- Knox through Woodford
www.census.gov/2010census/
Population and Housing Unit Estimates

The Census Bureau's Population Estimates Program (PEP) produces estimates of the population for the United States, its states, counties, cities, and towns, as well as for the Commonwealth of Puerto Rico and its municipios. Demographic components of population change (births, deaths, and migration) are produced at the national, state, and county levels of geography. Additionally, housing unit estimates are produced for the nation, states, and counties.

These estimates are used in federal funding allocations, as survey controls, as denominators for vital rates and per capita time series, and as indicators of recent demographic changes. With each new release of annual estimates, the entire time series of estimates is revised for all years back to the last census. All previously published estimates are superseded and archived. See the Schedule of Releases for more information.

Latest Releases

The latest population estimates for the United States, states, and counties by age, sex, race, and Hispanic origin, and for Puerto Rico Commonwealth and municipios by age and sex - for July 1, 2013 - were released June 26, 2014.

- 2013 National Population Estimates by Age, Sex, Race, and Hispanic Origin
- 2013 State Population Estimates by Age, Sex, Race, and Hispanic Origin
- 2013 County Population Estimates by Age, Sex, Race, and Hispanic Origin
- 2013 Puerto Rico Commonwealth Population Estimates by Age and Sex
- 2013 Puerto Rico Municipio Population Estimates by Age and Sex
Kentucky’s 2013 Population Estimate

4,395,295

An increase of 55,928 persons
1.3 percent growth since the 2010 Census

Ranks Kentucky as the 26th most populous state
## Largest and Smallest Counties in the state
### 2013 Population Estimate

<table>
<thead>
<tr>
<th>Counties with populations &gt;100,000</th>
<th>Counties with populations &lt; 5,000</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Jefferson 756,832</td>
<td>1. Robertson 2,235</td>
</tr>
<tr>
<td>2. Fayette 308,428</td>
<td>2. Owsley 4,654</td>
</tr>
<tr>
<td>4. Boone 124,442</td>
<td></td>
</tr>
<tr>
<td>5. Warren 118,370</td>
<td></td>
</tr>
<tr>
<td>6. Hardin 108,191</td>
<td></td>
</tr>
</tbody>
</table>
### Change in Total Population 2010-2013

<table>
<thead>
<tr>
<th>Counties with largest increases</th>
<th>Counties with largest decreases</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>1. Jefferson</strong> 15,736</td>
<td><strong>1. Pike</strong> -1,644</td>
</tr>
<tr>
<td><strong>2. Fayette</strong> 12,625</td>
<td><strong>2. Letcher</strong> -900</td>
</tr>
<tr>
<td><strong>5. Kenton</strong> 3,425</td>
<td><strong>5. Floyd</strong> -723</td>
</tr>
<tr>
<td></td>
<td><strong>6. Perry</strong> -702</td>
</tr>
</tbody>
</table>
## Counties with Largest and Smallest Rates of Change 2010-2013

<table>
<thead>
<tr>
<th>Counties with largest % increases</th>
<th>Counties with largest % decreases</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Scott</td>
<td>1. Lee</td>
</tr>
<tr>
<td>2. Shelby</td>
<td>2. Fulton</td>
</tr>
<tr>
<td>4. Fayette</td>
<td>4. Letcher</td>
</tr>
<tr>
<td>5. Warren</td>
<td>5. Hickman</td>
</tr>
<tr>
<td>5.9</td>
<td>-7.9</td>
</tr>
<tr>
<td>5.1</td>
<td>-6.3</td>
</tr>
<tr>
<td>4.7</td>
<td>-3.9</td>
</tr>
<tr>
<td>4.3</td>
<td>-3.7</td>
</tr>
<tr>
<td>4.0</td>
<td>-3.2</td>
</tr>
</tbody>
</table>
Population Distribution by CBSA
2013 Estimate

- Metropolitan: 58.2%
- Micropolitan: 19.2%
- Non-CBSA: 22.6%
Population Distribution by ADDs
2013 Estimate
Population Growth 2010-2013

- Kentucky: 1.3
- Metropolitan: 2.3
- Micropolitan: 0.8
- Non-CBSA: -0.9
Population Growth 2010-2013
Metropolitan Areas

Lexington-Fayette, KY 3.7
Bowling Green, KY 3.1
Louisville/Jefferson County, KY-IN 2.4
Cincinnati, OH-KY-IN 2.2
Elizabethtown-Fort Knox, KY 2.1
Owensboro, KY 1.4
Clarksville, TN-KY 0.2
Evansville, IN-KY 0.2
Huntington-Ashland, WV-KY-OH -1.2

Population Growth 2010-2013
Metropolitan Areas
Population Growth 2010-2013
Micropolitan Areas

- Bardstown, KY: 2.5
- Mount Sterling, KY: 2.5
- Richmond-Berea, KY: 2.3
- Glasgow, KY: 1.4
- Murray, KY: 1.3
- Somerset, KY: 1.3
- Frankfort, KY: 1.1
- Mayfield, KY: 0.9
- Campbellsville, KY: 0.6
- London, KY: 0.6
- Danville, KY: 0.4
- Paducah, KY-IL: 0.3
- Madisonville, KY: -0.6
- Maysville, KY: -1.2
- Middlesborough, KY: -2.8
- Union City, TN-KY: -6.3
Population Growth 2010-2013
Area Development Districts

Bluegrass 2.6
KIPDA 2.4
Barren River 2.2
Northern Kentucky 2.1
Lincoln Trail 1.8
Gateway 1.0
Green River 0.9
Lake Cumberland 0.8
Purchase 0.3
Pennyrile -0.2
Buffalo Trace -0.3
Gateway -0.4
Cumberland Valley -0.7
FIVCO -1.3
Big Sandy -1.9
Kentucky River -3.0

Area Development Districts

Kentucky State Data Center

University of Louisville
Estimate 2013 by Age

- 00-17: 22.5%
- 18-34: 23.1%
- 35-64: 40.0%
- 65+: 14.4%
2013 Age Distribution by CBSA

**Kentucky**
- 00-17: 23.1%
- 18-34: 22.5%
- 35-64: 40.0%
- 65+: 14.4%

**Metropolitan**
- 00-17: 23.6%
- 18-34: 23.6%
- 35-64: 39.5%
- 65+: 13.3%

**Micropolitan**
- 00-17: 22.6%
- 18-34: 21.8%
- 35-64: 39.8%
- 65+: 15.8%

**Non-CBSA**
- 00-17: 22.2%
- 18-34: 20.4%
- 35-64: 41.2%
- 65+: 16.2%
## 2013 Age Distribution by ADDs

<table>
<thead>
<tr>
<th>Region</th>
<th>00-17</th>
<th>18-34</th>
<th>35-64</th>
<th>65+</th>
</tr>
</thead>
<tbody>
<tr>
<td>Barren River</td>
<td>23.1</td>
<td>24.0</td>
<td>38.3</td>
<td>14.7</td>
</tr>
<tr>
<td>Big Sandy</td>
<td>21.7</td>
<td>20.6</td>
<td>42.6</td>
<td>15.1</td>
</tr>
<tr>
<td>Bluegrass</td>
<td>22.2</td>
<td>25.2</td>
<td>39.3</td>
<td>13.2</td>
</tr>
<tr>
<td>Buffalo Trace</td>
<td>23.5</td>
<td>19.0</td>
<td>41.4</td>
<td>16.1</td>
</tr>
<tr>
<td>Cumberland Valley</td>
<td>22.9</td>
<td>21.2</td>
<td>40.7</td>
<td>15.3</td>
</tr>
<tr>
<td>FIVCO</td>
<td>21.7</td>
<td>19.7</td>
<td>41.4</td>
<td>17.2</td>
</tr>
<tr>
<td>Gateway</td>
<td>21.8</td>
<td>24.4</td>
<td>39.4</td>
<td>14.4</td>
</tr>
<tr>
<td>Green River</td>
<td>23.8</td>
<td>20.9</td>
<td>39.6</td>
<td>15.8</td>
</tr>
<tr>
<td>Kentuckiana</td>
<td>23.2</td>
<td>22.4</td>
<td>40.5</td>
<td>13.8</td>
</tr>
<tr>
<td>Kentucky River</td>
<td>21.4</td>
<td>20.2</td>
<td>43.0</td>
<td>15.4</td>
</tr>
<tr>
<td>Lake Cumberland</td>
<td>22.3</td>
<td>20.1</td>
<td>40.3</td>
<td>17.3</td>
</tr>
<tr>
<td>Lincoln Trail</td>
<td>24.7</td>
<td>22.0</td>
<td>39.9</td>
<td>13.4</td>
</tr>
<tr>
<td>Northern Kentucky</td>
<td>25.1</td>
<td>22.3</td>
<td>40.3</td>
<td>12.3</td>
</tr>
<tr>
<td>Pennyrile</td>
<td>24.0</td>
<td>23.5</td>
<td>36.9</td>
<td>15.6</td>
</tr>
<tr>
<td>Purchase</td>
<td>21.3</td>
<td>21.7</td>
<td>39.0</td>
<td>18.0</td>
</tr>
</tbody>
</table>

**Source:** University of Louisville
Percent Change in Population by Age 2010-2013

- 0-17
- 18-34
- 35-64
- 65+

Kentucky Metropolitan Micropolitan Non-CBSA
Estimate 2013 by Race

- White: 85.6%
- Black: 3.1%
- Other: 3.3%
- Hispanic: 8.0%
2013 Race Distribution by CBSA

- **Kentucky**: 
  - White: 80%
  - Black: 15%
  - Other: 3%
  - Hispanic: 2%

- **Metropolitan**: 
  - White: 80%
  - Black: 15%
  - Other: 3%
  - Hispanic: 2%

- **Micropolitan**: 
  - White: 80%
  - Black: 15%
  - Other: 3%
  - Hispanic: 2%

- **Non-CBSA**: 
  - White: 80%
  - Black: 15%
  - Other: 3%
  - Hispanic: 2%
Percent Change in Population by Race
2010-2013

- White
- Black
- Other
- Hispanic

Kentucky
Metropolitan
Micropolitan
Non-CBSA
What do the 2013 Estimates tell us?

1. The majority of the state’s growth is occurring in the Metropolitan areas of the state.

2. The population is getting older.

3. The non-Hispanic white population is, by far, growing much slower than the minority population.
Three most salient demographic trends 2000-2010

1. Urban areas grew much more than rural areas.

2. The population got older.

3. Minorities grew at a faster rate than the majority (white, non-Hispanic) population

Population Estimates

Tom Sawyer
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tsayyer@louisville.edu
502-852-8913