

## Technical Notes

### General Disclaimer:

Direct comparisons between data in this publication of the County Profile Report and previous versions should be made with caution as some sources, metrics, and measures may have changed between publications. Each data item is defined below.

### Basic Facts:

#### Total Population

Source: US Census Bureau, Annual Estimates of the Resident Population, 2012 Population Estimates (July 1, 2012) <http://factfinder2.census.gov/faces/nav/jsf/pages/index.xhtml>

#### Median Household Income

The Census defines a household as any group of related or unrelated individuals living together other than in group quarters such as dormitories, prisons, or military barracks. Half of all households have an income higher than the median, and half have an income lower than the median. The Census calculates median household incomes for counties, states, and the nation, but there is no way to mathematically combine medians, so we are unable to report median household incomes for Area Development Districts or Workforce Investment Areas.

Source: US Census Bureau, 2008-2012 American Community Survey, Table ID B19013 (5 year estimates). <http://factfinder2.census.gov/faces/nav/jsf/pages/index.xhtml>

#### Per Capita Income

Source: US Census Bureau, 2008-2012 American Community Survey, Table ID B19301 (5 year estimates). <http://factfinder2.census.gov/faces/nav/jsf/pages/index.xhtml>

#### Living in Poverty

The percentage of the population with incomes below the federally defined poverty level. Area Development District, Workforce Investment Area, and Appalachian/Non-Appalachian percentages were calculated by weighting each county's percentages by the total county population and should be treated as estimates. Source: US Census Bureau, 2008-2012 American Community Survey, Table ID S1701 (5 year estimates).

<http://factfinder2.census.gov/faces/nav/jsf/pages/index.xhtml>

#### Eligible for Medicaid

The percentage of the population eligible for Medicaid assistance. The state percentage is more than the combination of the county percentages due to the inclusion of eligible persons not assigned to a specific county. Comparable national data are not available. Source: Kentucky Department for Medicaid Services (FY 2012). <http://chfs.ky.gov/dms/stats.htm#CharacteristicsOfBeneficiaries>

#### Without Medical Insurance

The percentage of the population under the age of 65 not covered by medical insurance. Area Development District, Workforce Investment Area, and Appalachian/Non-

Appalachian percentages are calculated by weighting each county's percentage by the total county population under age 65 and should be treated as estimates. Source: US Census, Small Area Health Insurance Estimates Program (2011 estimates). <http://www.census.gov/did/www/sahie/>

#### Registered Voters who Voted in the 2012 General Election

The national percentage refers to the 49 states (and the District of Columbia) which required voters to be registered before voting for a Presidential candidate in the 2012 general election. (North Dakota did not require voter registration.) Sources: Kentucky State Board of Elections (general election, Nov 2012). <http://elect.ky.gov/statistics/Pages/turnoutstatistics.aspx>;

National Source: <http://uselectionatlas.org>

#### Unemployment Rate

The percentage of the civilian workforce actively looking for work but unable to find it. Source: Kentucky Office of Employment and Training (2012 annual averages of monthly). <https://ky/mi.ky.gov/vosnet/analyzer/results.aspx?session=labforce>

#### Access to Broadband Internet

Access to broadband is defined as the percentage of households in a county population with broadband or internet availability as of 12/31/2012. This does not suggest everyone who has potential access actually uses it. Area Development District, Workforce Investment Area, and Appalachian/Non-Appalachian percentages are calculated by weighting each county's percentage by the total county population and should be treated as estimates. Source: National Telecommunications and Information Administration. <http://broadbandmap.gov/>

### College and Career Readiness:

#### Average Junior Year ACT Composite Score for 2013 Graduates

The mean ACT score of 2013 public high school graduates who took the March ACT statewide administration as eleventh graders in 2011-2012. Source: KLDS.

#### Graduates Ready for College Level Mathematics

The percentage of 2013 public high school graduates who took the March ACT statewide administration as eleventh graders in 2011-2012 and met the Kentucky benchmark of 19 on the mathematics section. Source: KLDS.

#### Graduates Ready for College Level English

The percentage of 2013 public high school graduates who took the March ACT statewide administration as eleventh graders in 2011-2012 and met the Kentucky benchmark of 18 on the English section. Source: KLDS.

#### Graduates Ready for College Level Reading

The percentage of 2013 public high school graduates who took the March ACT statewide administration as eleventh graders in 2011-2012 and met the Kentucky benchmark of 20 on the reading section. Source: KLDS.

#### Graduates Ready for College Level Science

The percentage of 2013 public high school graduates who took the March ACT statewide administration as eleventh graders in 2011-2012 and met the ACT College Readiness Benchmark of 23 on the science section. Source: KLDS.

#### Ready for College by Graduation

The percentage of 2013 public high school graduates who met the Kentucky benchmarks for reading (20), English (18), and mathematics (19) on any administration of the ACT or passed a college placement test. Source: Kentucky Department of Education (KDE).

#### Ready for Career by Graduation

The percentage of 2013 public high school graduates who met benchmarks for Career Ready Academic (ASVAB or ACT WorkKeys) and Career Ready Technical (KOSSA or received an Industry-Recognized Career Certificate). Source: KDE.

#### Ready for College and/or Career by Graduation

The percentage of 2013 public high school graduates who were college and/or career ready by graduation. Source: KDE.

#### Average GPA for 2013 Graduates

The average Grade Point Averages (GPA) for graduates from counties, Area Development Districts, Workforce Investment Areas, and Appalachian/Non-Appalachian regions include 2013 public high school graduates. The State's GPA score is an average of all public school graduates. Source: Kentucky Longitudinal Data System (KLDS).

### Educational Attainment:

#### Highest Level of Education

Percentages by education level are estimates for the population aged 25 and over. Area Development District, Workforce Investment Area, and Appalachian/Non-Appalachian percentages are calculated by weighting each county's percentage by the county's age 25 and over population and should be treated as estimates. Source: US Census Bureau, 2008-2012 American Community Survey, Table ID B15002 (5 year estimates).

<http://factfinder2.census.gov/faces/nav/jsf/pages/index.xhtml>

#### PIE CHART: 2012 Employment by Sector

Employment numbers are 2012 annual averages of data collected by the Kentucky Office of Employment and Training in the Quarterly Census of Employment and Wages (QCEW). The QCEW is a quarterly census of Kentucky employers covering all employment subject to state unemployment insurance withholding or similar federal programs. This excludes the self-employed, most federal employees, and the military. The QCEW is a census of jobs at the place of employment rather than at the employees' places of residence

Federal disclosure rules require employment numbers to be concealed if it is reasonably possible to more-or-less accurately estimate a single employer's employment numbers based on the data reported.

#### **BAR CHART: Living in Poverty, 1980-2012**

This graph includes decennial census data for the years 1980 to 2000 and annual census data from the US Census Bureau American Community Survey for years 2010, 2011 and 2012 for the percentage of the population living in households with incomes below the federally defined poverty level. Source: US Census Bureau 1980, 1990, 2000; US Census Bureau, American Community Survey 2006-2010, 2007-2011, and 2008-2012 (5 year estimates).

#### **Education Pipeline:**

##### **Public K-12 Enrollment in 2012-2013**

The total count of students enrolled in a public Kentucky school. Source: KDE, Kentucky School Report Card. <http://applications.education.ky.gov/src/DataSets.aspx>

##### **Private K-12 Enrollment in 2012-2013**

The number of students enrolled in private non-profit and home schools. Source: KDE, Declaration of Participation report.

##### **Entering Students Ready for Kindergarten in Fall 2013**

The percentage of entering students in fall 2013 who were ready for Kindergarten based on results of the BRIGANCE K Screener (Kindergarten Readiness Screener). Source: KLDS.

##### **Special Education Population in 2012-2013**

The percentage of students between the ages of 6-21 enrolled in a special education program in Kentucky schools. Source: KDE, Kentucky School Report Card. <http://applications.education.ky.gov/src/DataSets.aspx>

##### **Students Qualifying for Free and Reduced Lunch in 2012-2013**

The percentage of individuals eligible for free or reduced-priced meals in public schools (includes K-12 students, preschool/Head Start students, and some adults who qualify through the National School Lunch Program). Source: KDE, Kentucky School Report Card. <http://applications.education.ky.gov/src/DataSets.aspx>

##### **Public High School Graduates in 2010-2011**

The number of public high school students who were indicated as graduates in academic year 2010-2011. Source: KLDS.

##### **Public High School Graduates Entering Postsecondary Education in 2011-2012**

The number of 2010-2011 public high school graduates entering postsecondary education in 2011-2012. Source: KLDS.

##### **In-State College Going Rate in 2011-2012**

The percentage of 2010-2011 public high school graduates entering postsecondary education in Kentucky in 2011-2012. Data for public and independent in-state colleges and universities are provided by matching actual student level records with college enrollment records from CPE. Data for in-state proprietary and other private in-state colleges are provided by KHEAA. Source: KLDS.

##### **Out-of-State College Going Rate in 2011-2012**

The percentage of 2010-2011 public high school graduates

entering postsecondary education outside Kentucky in 2011-2012. Data for out-of-state colleges and universities are provided by Kentucky Higher Education Assistance Authority through the National Student Clearing House. While the vast majority of colleges and universities participate in the National Student Clearing House, some do not. Source: KLDS.

##### **Kentucky Adult Education Enrollments for 2011-2012**

The number of students enrolled in Kentucky Adult Education during fiscal year 2011-2012. The state number is greater than the sum of the county numbers due to the inclusion of enrollments not assigned to a county. Source: KLDS.

##### **GEDs Awarded in 2011-2012**

The number of GEDs awarded in fiscal year 2011-2012. The state number is greater than the sum of the county numbers due to the inclusion of GED awards not assigned to a specific county. Source: KLDS.

##### **Students Earning a Postsecondary Certificate or Diploma in 2011-2012**

Totals indicate the distinct number of students earning a postsecondary certificate or diploma from an in-state public or independent college or university during academic year 2011-2012 by county of origin. Source: KLDS.

##### **Students Earning an Associate Degree in 2011-2012**

Totals indicate the distinct number of students earning an Associate degree from an in-state public or independent college or university during academic year 2011-2012 by county of origin. Source: KLDS.

##### **Students Earning a Bachelor's Degree in 2011-2012**

Totals indicate the distinct number of students earning a Bachelor's degree from an in-state public or independent college or university during academic year 2011-2012 by county of origin. Source: KLDS.

##### **Students Earning a Bachelor's Degree in Science, Technology, Engineering, or Mathematics (STEM) in 2011-2012**

Totals indicate the distinct number of students earning a Bachelor's degree in STEM from an in-state public or independent college or university during academic year 2011-2012 by county of origin. Source: KLDS.

##### **Students Earning a Graduate or Professional Degree in 2011-2012**

Totals indicate the distinct number of students earning a postsecondary certificate or diploma in academic year 2011-2012 by county of origin. Source: KLDS.

##### **National Career Readiness Certificates (NCRC) Awarded in 2012-2013**

The National Career Readiness Certificate (NCRC) is an industry-recognized, portable, evidence-based credential that certifies essential skills needed for workplace success. This credential is used across all sectors of the economy and verifies the following cognitive skills: problem solving, critical thinking, reading and using work-related text, applying information from workplace documents to solve problems, applying mathematical reasoning to work-related problems, setting up and performing work-related mathematical calculations, locating - synthesizing, and applying information that is presented graphically, comparing, summarizing, and analyzing information presented in multiple related graphics. Totals are for fiscal year 2012-2013.

Source: Kentucky Office of Employment and Training

##### **Bachelor's Degree Six-year Graduation Rate for 2006 Cohort**

The proportion of students who entered a four-year institution in the summer or fall of 2006 as a first-time, full-time baccalaureate degree-seeking student who earned a baccalaureate degree within six years. Data for counties with fewer than 10 students are suppressed. Source: KLDS.

##### **Associate Degree Three-year Graduation Rate for 2009 Cohort**

The proportion of students who entered a two-year institution in the summer or fall of 2009 as a first-time, full-time associate degree-seeking student who earned an associate degree within three years. Data for counties with fewer than 10 students are suppressed. Source: KLDS.

##### **PIE CHART: Overall College Going Rates**

The percentage of 2011 public high school graduates who enrolled at an in-state or out-of-state college or university at any point during 2011-2012. Source: KLDS.

##### **TABLE: Top 10 Colleges and Universities Attended**

The top 10 colleges and universities at which public high school graduates of 2010-2011 enrolled during 2011-2012. Counts are based on enrollments, meaning graduates are counted once for each postsecondary institution they attended. As a result, the sum of the number of enrollments at each institution may exceed the total number of graduates who attended college. "Other Institutions" includes the sum of enrollments at all in-state and out-of-state colleges and universities that are not included in the top 10 list. Source: KLDS.

#### **Financial Aid to Students:**

##### **Kentucky Education Excellence Scholarship (KEES) Awards for 2011-2012**

Calculated as the mean KEES award amount earned by 2011 public high school graduates. Source: KLDS.

**State Need-Based/Non-Need-Based Grants** Calculated as the mean grant amount for 2011 public high school graduates who received a state need-based or non-need-based grant and attended an in-state public college or university during academic year 2011-2012. Source: KLDS.

##### **Federal Pell Grants**

Calculated as the mean grant amount for 2011 public high school graduates who received a federal Pell grant and attended an in-state public college or university during academic year 2011-2012. Source: KLDS.

##### **Federal Need-Based/Non-Need-Based Loans**

Calculated as the mean loan amount for 2011 public high school graduates who received a federal need-based or non-need-based loan and attended an in-state public college or university during academic year 2011-2012. Source: KLDS.

##### **Institutional Grants**

Calculated as the mean grant amount for 2011 public high school graduates who received an institutional grant and attended an in-state public college or university during academic year 2011-2012. Source: KLDS.

##### **BAR CHART: Percentage of Adults with a Bachelor's Degree or Higher, 1980-2012**

The chart represents the percentage of adults aged 25 and over with a bachelor's degree or higher. Area Development District, Workforce Investment Area, and Appalachian/Non-



Appalachian percentages were calculated by weighting each county's percentages by the total county population aged 25 and over and should be treated as estimates. Source: US Census Bureau 1980, 1990, 2000; US Census Bureau, American Community Survey 2006-2010, 2007-2011, and 2008-2012 (5 year estimates).

**Suppression of Data:**

**Employment Data**

In accordance with the Bureau of Labor Statistics (BLS) policy, data reported under a promise of confidentiality are not published in an identifiable way and are used only for specified statistical purposes. BLS withholds the publication of Unemployment Insurance-covered employment and wage data for any industry level when necessary to protect the identity of cooperating employers.

**Education Data**

Values that are not available or are suppressed to preserve individual privacy are left blank or labeled n/a.