

# 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, 2013 Population Estimates (July 1, 2013)  
<http://factfinder.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, 2009-2013 American Community Survey, Table ID B19013 (5 year estimates).  
<http://factfinder.census.gov/faces/nav/jsf/pages/index.xhtml>

### Per Capita Income

Source: US Census Bureau, 2009-2013 American Community Survey, Table ID B19301 (5 year estimates).  
<http://factfinder.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, 2009-2013 American Community Survey, Table ID S1701 (5 year estimates). <http://factfinder.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. Percentages were calculated by dividing the number of people eligible for Medicaid assistance by the total population for that area. Source: Kentucky Department for Medicaid Services (FY 2013). <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 population under age 65 and should be treated as estimates. Source: US Census, Small Area Health Insurance Estimates Program (2012 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 (2013 annual averages of monthly).  
<https://kylmi.ky.gov/>

## Access to Broadband Internet

Access to broadband is defined as the percentage of households with broadband or internet availability as of 12/31/2013 (minimum upload speed of 0.768 Mbps and minimum download speed of 3 Mbps). 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:

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

The percentage of 2014 public high school graduates who were college and/or career ready by graduation. College readiness indicates that a graduate met Kentucky benchmarks for English (18), mathematics (19), and reading (20) on any administration of the ACT or passed a college placement test (Compass or KYOTE). Career readiness indicates that a graduate met benchmarks for Career Ready Academic (ASVAB or ACT WorkKeys) and Career Ready Technical (KOSSA or received an industry-recognized career certificate). Source: Kentucky Longitudinal Data System (KLDS).

### Ready for College by Graduation

The percentage of 2014 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: KLDS.

### Ready for Career by Graduation

The percentage of 2014 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: KLDS.

### Average GPA for 2014 Graduates

The average Grade Point Averages (GPA) for graduates from counties, Area Development Districts, Workforce Investment Areas, and Appalachian/Non-Appalachian regions include 2014 public high school graduates. The State's GPA score is an average of all public school graduates. Source: KLDS.

### Average Junior Year ACT Scores for 2014 Graduates

The mean ACT scores, by subject, for 2014 public high school graduates who took the March ACT statewide administration as eleventh graders in 2012-2013. Source: 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, 2009-2013 American Community Survey, Table ID B15002 (5 year estimates).  
<http://factfinder.census.gov/faces/nav/jsf/pages/index.xhtml>

### PIE CHART: 2013 Employment by Sector

Employment numbers are 2013 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.

"Health and Education Services" includes only private health services and private education services employment. "State and Local Government and Public Education" includes public administration, public health services and public education services employment.

### BAR CHART: Living in Poverty, 1980-2013

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, 2012, and 2013 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, 2008-2012, and 2009-2013 (5 year estimates).

## Education Pipeline:

### Public K-12 Enrollment in 2013-2014

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 2013-2014

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 2014

The percentage of entering students in fall 2014 who were ready for Kindergarten based on results of the BRIGANCE K Screener (Kindergarten Readiness Screener). Source: KDE, Kentucky School Report Card. <http://applications.education.ky.gov/src/DataSets.aspx>

### **Public High School Graduates Entering Postsecondary Education in 2012-2013**

The number of 2011-2012 public high school graduates entering postsecondary education in 2012-2013. Source: KLDS.

### **In-State College Going Rate in 2012-2013**

The percentage of 2011-2012 public high school graduates entering postsecondary education in Kentucky in 2012-2013. Data for public and independent in-state colleges and universities are provided by matching actual student level records with college enrollment records from the Council on Postsecondary Education. Data for in-state proprietary and other private in-state colleges are provided by Kentucky Higher Education Assistance Authority. Source: KLDS.

### **Out-of-State College Going Rate in 2012-2013**

The percentage of 2011-2012 public high school graduates entering postsecondary education outside Kentucky in 2012-2013. 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 2012-2013**

The number of students enrolled in Kentucky Adult Education during fiscal year 2012-2013. 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 2012-2013**

The number of GEDs awarded in fiscal year 2012-2013. 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 2012-2013**

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 2012-2013 by county of origin. Source: KLDS.

### **Students Earning an Associate Degree in 2012-2013**

Totals indicate the distinct number of students earning an Associate degree from an in-state public or independent college or university during academic year 2012-2013 by county of origin. Source: KLDS.

### **Students Earning a Bachelor's Degree in 2012-2013**

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 2012-2013 by county of origin. Source: KLDS.

### **Students Earning a Bachelor's Degree in Science, Technology, Engineering, or Mathematics (STEM) in 2012-2013**

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 2012-2013 by county or origin. Source: KLDS.

### **Students Earning a Graduate or Professional Degree in 2012-2013**

Totals indicate the distinct number of students earning a postsecondary certificate or diploma in academic year 2012-2013 by county of origin. Source: KLDS.

### **National Career Readiness Certificates (NCRC) Awarded in 2013-2014**

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

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 2013-2014. Source: Kentucky Office of Employment and Training.

### **Bachelor's Degree Six-year Graduation Rate for 2007 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 2010 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 2012 public high school graduates who enrolled at an in-state or out-of-state college or university at any point during 2012-2013. Source: KLDS.

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

The top 10 colleges and universities where public high school graduates of 2011-2012 enrolled during 2012-2013. 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 2012-2013**

Calculated as the mean KEES award amount earned by 2012 public high school graduates. Source: KLDS.

#### **State Need-Based/Non-Need-Based Grants**

Calculated as the mean grant amount for 2012 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 2012-2013. Source: KLDS.

#### **Federal Pell Grants**

Calculated as the mean grant amount for 2012 public high school graduates who received a federal Pell grant and attended an in-state public college or university during academic year 2012-2013. Source: KLDS.

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

Calculated as the mean loan amount for 2012 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 2012-2013. Source: KLDS.

#### **Institutional Grants**

Calculated as the mean grant amount for 2012 public high school graduates who received an institutional grant and attended an in-state public college or university during academic year 2012-2013. Source: KLDS.

### **BAR CHART: Percentage of Adults with a Bachelor's Degree or Higher, 1980-2013**

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, 2008-2012, and 2009-2013 (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.