How to Access Education Data

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Susana Privett
U.S. Census Bureau, Data Dissemination and Training Branch
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Meet Your Instructor

Susana Privett

As a Data Dissemination Specialist in the Denver Region, Susana assists data users in Texas, Oklahoma, and Kansas. She gives presentations and conducts workshops about Census Bureau data, various surveys as she works closely with organizations, local governments, businesses, Federal and State agencies to provide a clear understanding of the Census Bureau and the data collected.
Covering Topics for Today

- Collection History
- Need for Data
- Data Sources
- American Community Survey
- Data Tables
- Data Tools
- data.census.gov
Educational attainment originated with the 1940 Census.

It was transferred to the ACS in 2005 when it replaced the decennial census long form.

Undergraduate field of degree was added in 2009.
Education – Need for Data

Schools
Colleges
Educational institutions
Educational programs
Educational support services

Tuition grants
Fellowships
Private School aid
Researchers
Policymakers
Education – Data Sources

American Community Survey
Current Population Survey
Survey of Income & Program Participation
Annual Survey of School System Finances
Economic Census
Census of Governments
County Business Patterns

https://uscensusbureau.github.io/censussurveys/
Statistics in Schools
K through 12 students
Teacher designed materials
Easy to use

Classroom Activities
Math
English
History
Geography
Sociology
Education – American Community Survey

- Conducted every month, every year
- Sent to a sample of about 3.5 million housing units in the 50 states, District of Columbia and Puerto Rico
- Asks questions of topics not on the 2020 Census
- The American Community Survey provides information about social and economic needs of your community every year.
- Down to Census Tract
Education – Data Tables

- Data Profile Tables
  - DP02

- Subject Tables
  - S1501 Educational Attainment
  - S1502 Field of Bachelor’s Degree for First Major
  - S1401 School Enrollment

- Base Tables
  - B14001 - School Enrollment by Level of School for the Population 3 Years and Over
  - B14004 – Sex by College or Graduate School Enrollment by Type of School by Age for the Population 15 Years and Over
  - B14007 – School Enrollment by Detailed Level of School for the Population
QuickFacts

- High school graduate or higher, percent of persons aged 25 years +
- Bachelors' degree or higher, percent of persons aged 25 years +

data.census.gov

- Our new platform streamlines the way you access data
Next Up
Demo - QuickFacts

QuickFacts provides statistics for all states and counties, and for cities and towns with a population of 5,000 or more.

Table

All Topics

<table>
<thead>
<tr>
<th>Topic</th>
<th>United States</th>
</tr>
</thead>
<tbody>
<tr>
<td>Population Estimates, July 1, 2021 (V2021)</td>
<td>331,803,746</td>
</tr>
<tr>
<td>People</td>
<td></td>
</tr>
<tr>
<td>Population</td>
<td>331,448,261</td>
</tr>
</tbody>
</table>

Demographic Data

- Males: 165,018 (50.0%)
- Females: 166,785 (50.0%)
- Population under 5 years: 68,359 (20.5%)
- Population 5 to 9 years: 100,582 (30.2%)
- Population 10 to 14 years: 78,982 (23.6%)
- Population 15 to 19 years: 61,699 (18.6%)
- Population 20 to 24 years: 33,292 (10.0%)
- Population 25 to 29 years: 16,976 (5.1%)
- Population 30 to 34 years: 15,019 (4.5%)
- Population 35 to 39 years: 14,156 (4.3%)
- Population 40 to 44 years: 13,429 (4.0%)
- Population 45 to 49 years: 13,554 (4.0%)
- Population 50 to 54 years: 12,291 (3.7%)
- Population 55 to 59 years: 9,749 (2.9%)
- Population 60 to 64 years: 8,275 (2.5%)
- Population 65 to 69 years: 5,122 (1.6%)
- Population 70 to 74 years: 3,573 (1.1%)
- Population 75 to 79 years: 2,439 (0.7%)
- Population 80 to 84 years: 1,348 (0.4%)
- Population 85 years and over: 671 (0.2%)

Age and Sex

- Males: 165,018 (50.0%)
- Females: 166,785 (50.0%)

Population by Race

- White: 327,954 (98.7%)
- Black: 3,852 (1.2%)
- American Indian and Alaska Native: 975 (0.3%)
- Native Hawaiian and Other Pacific Islander: 47 (0.01%)
- Asian: 973 (0.3%)
- Two or More Races: 973 (0.3%)
- Hispanic: 3,852 (1.2%)

Economic Data

- Median household income: $52,000
- Poverty rate: 10.0%

Education Data

- High school graduation rate: 95.0%
- Bachelor's degree or higher: 25.0%

Healthcare Data

- Average life expectancy: 78.5 years
- Infant mortality rate: 6.0 per 1,000 live births
What Is the Recommended Browser?

data.census.gov works best in Google Chrome

Explore Census Data

The Census Bureau is the leading source of quality data about the nation’s people and economy.
For today’s demonstration, we will concentrate on using the Advanced Search feature to find data.
• If you already know the Table ID or number, then type in the search box
• With no other selection, defaults to Nation level geography
• Table “Selected Social Characteristics” includes School Enrollment and Educational Attainment
# Selected Social Characteristics in the United States

**2020, ACS 5-Year Estimates Data Profiles**

<table>
<thead>
<tr>
<th>Label</th>
<th>Estimate</th>
<th>Margin of Error</th>
<th>Percent</th>
<th>Percent Margin of Error</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>SCHOOL ENROLLMENT</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Population 3 years and over enrolled in school</td>
<td>82,497,960</td>
<td>±5,220</td>
<td>92,947,960</td>
<td>(X)</td>
</tr>
<tr>
<td>Nursery school, preschool</td>
<td>4,879,658</td>
<td>±3,525</td>
<td>6.1%</td>
<td>±0.1</td>
</tr>
<tr>
<td>Kindergarten</td>
<td>4,092,118</td>
<td>±18,946</td>
<td>5.0%</td>
<td>±0.1</td>
</tr>
<tr>
<td>Elementary school (grades 1-6)</td>
<td>32,506,623</td>
<td>±27,655</td>
<td>40.4%</td>
<td>±0.1</td>
</tr>
<tr>
<td>High school (grades 9-12)</td>
<td>16,879,255</td>
<td>±21,960</td>
<td>21.0%</td>
<td>±0.1</td>
</tr>
<tr>
<td>College or graduate school</td>
<td>22,229,106</td>
<td>±55,220</td>
<td>27.5%</td>
<td>±0.1</td>
</tr>
<tr>
<td><strong>EDUCATIONAL ATTAINMENT</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Population 25 years and over</td>
<td>222,826,824</td>
<td>±11,173</td>
<td>222,826,824</td>
<td>(X)</td>
</tr>
<tr>
<td>Less than 9th grade</td>
<td>10,923,000</td>
<td>±69,975</td>
<td>4.9%</td>
<td>±0.1</td>
</tr>
<tr>
<td>9th to 12th grade, no diploma</td>
<td>14,639,650</td>
<td>±71,903</td>
<td>6.6%</td>
<td>±0.1</td>
</tr>
<tr>
<td>High school graduate (includes equivalency)</td>
<td>59,421,419</td>
<td>±209,875</td>
<td>26.7%</td>
<td>±0.1</td>
</tr>
<tr>
<td>Some college, no degree</td>
<td>48,242,162</td>
<td>±53,820</td>
<td>20.3%</td>
<td>±0.1</td>
</tr>
<tr>
<td>Associate's degree</td>
<td>19,234,254</td>
<td>±47,639</td>
<td>8.6%</td>
<td>±0.1</td>
</tr>
<tr>
<td>Bachelor's degree</td>
<td>45,034,610</td>
<td>±151,305</td>
<td>20.2%</td>
<td>±0.1</td>
</tr>
<tr>
<td>Graduate or professional degree</td>
<td>26,321,709</td>
<td>±175,230</td>
<td>12.7%</td>
<td>±0.1</td>
</tr>
<tr>
<td>High school graduate or higher</td>
<td>197,274,154</td>
<td>±137,709</td>
<td>88.5%</td>
<td>±0.1</td>
</tr>
<tr>
<td>Bachelor's degree or higher</td>
<td>72,356,319</td>
<td>±317,619</td>
<td>22.9%</td>
<td>±0.1</td>
</tr>
</tbody>
</table>
Are You Sure?

This action is final and will clear your search and all selected filters.

NO, KEEP SEARCH AND FILTERS
YES, CLEAR ALL
Selecting a city, town, village, or borough which we call place

You can search by typing the name or scrolling through the place list.
Select Topics filter, then select Education
Then select School Enrollment
Then select School Enrollment again
B14007 is a table that shows enrolled by grade level for Tulsa, Oklahoma for those enrolled or not enrolled in school.
Download data to Excel, CSV or ZIP file.
Excel or CSV will automatically download.

ZIP button will bring up a pop up so you can select all the years or vintages you need and download at once.
For new search Select county for geography
All counties within Hawaii
For topic select Educational Attainment
Table S1501
### Educational Attainment

#### Hawaii County, Hawaii

<table>
<thead>
<tr>
<th>Label</th>
<th>Estimate</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>AGE BY EDUCATIONAL ATTAINMENT</strong></td>
<td></td>
</tr>
<tr>
<td>Population 18 to 24 years</td>
<td></td>
</tr>
<tr>
<td>Less than high school graduate</td>
<td></td>
</tr>
<tr>
<td>High school graduate (includes equivalency)</td>
<td></td>
</tr>
<tr>
<td>Some college or associate's degree</td>
<td></td>
</tr>
<tr>
<td>Bachelor's degree or higher</td>
<td></td>
</tr>
<tr>
<td>Population 25 years and over</td>
<td></td>
</tr>
<tr>
<td>Less than 9th grade</td>
<td></td>
</tr>
<tr>
<td>9th to 12th grade, no diploma</td>
<td></td>
</tr>
</tbody>
</table>

Although the American Community Survey (ACS) provides population, housing, and economic data estimates, for 2020, the ACS 5-Year estimates provide the official counts of the population and housing units for the nation, states, counties, cities, and towns. For 2016 to 2020, the Population Estimates Program provides estimates for the population for the nation, states, counties, cities, and towns. For 2016 to 2020, the Current Population Survey provides counts of the population by age and sex for the nation, states, and counties.

Visit the American Community Survey website for the Methodology section.

Sample design and data quality measures (including coverage rates, margin of error, and response rates) can be found on the American Community Survey website in the Methodology section.

Data are based on a sample and are subject to sampling variability. The degree of uncertainty for an estimate arising from sampling variability is expressed through the use of a margin of error. The value shown here is the 90 percent margin of error. This means that there is a 90 percent probability that the interval defined by the estimate minus the margin of error and the estimate plus the margin of error (the issue and upper confidence bounds) contains the true value. In addition to sampling variability, the ACS estimates are subject to nonsampling error. For a discussion of nonsampling variability, see ACS Technical Documentation.

The effects of nonresponse errors are not represented in these tables.

The ACS 5-Year estimates are generally reflective of data gathered from the Current Population Survey and the American Community Survey. However, in certain instances, the names, codes, and boundaries of the principalities shown in ACS tables may differ from the CENSUS definitions due to differences in the effective dates of the geographic entities.

Estimates of urban and rural populations, housing units, and characteristics reflect boundaries of urban areas defined based on Census 2010 data. As a result, results for urban
### American Community Survey

#### Total: Estimate in 15 Geos in 2020

2020: ACS 5-Year Estimates Detailed Tables

<table>
<thead>
<tr>
<th>Variable(s)</th>
<th>Select</th>
<th>Clear Geos</th>
<th>Layer</th>
<th>Year</th>
<th>Basemap</th>
<th>Boundaries</th>
<th>Colors</th>
<th>Classes</th>
<th>Identify</th>
<th>Table</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total: Estimate</td>
<td></td>
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<tr>
<td>Total: Male: Estimate</td>
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<tr>
<td>Total: Male: Enrolled in school: Estimate</td>
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<td></td>
</tr>
<tr>
<td>Total: Male: Enrolled in school: Enrolled in nursery school, preschool: Estimate</td>
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</tbody>
</table>

#### Total: Estimate in 2020

Geos: 15

<table>
<thead>
<tr>
<th>Estimate Range</th>
<th>Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,004,627-4,153,453</td>
<td>1</td>
</tr>
<tr>
<td>431,674-1,004,626</td>
<td>7</td>
</tr>
<tr>
<td>225,637-431,673</td>
<td>1</td>
</tr>
<tr>
<td>100,567-225,636</td>
<td>5</td>
</tr>
<tr>
<td>50,222-100,566</td>
<td>7</td>
</tr>
</tbody>
</table>

#### Map

- United States
- Census Bureau
- Arizona

- Styles:
  - State
  - County
THANK YOU
Get in Touch with Us

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