Transition to data.census.gov

California State Data User Conference
November 5, 2019

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Center for Enterprise Dissemination (CED)
U.S. Census Bureau

data.census.gov: Changing the way you get data at the U.S. Census Bureau

Transitioning from American FactFinder (AFF) to data.census.gov:
• Streamline access to data
• Maintain best of current tools
• Reduce redundancies and costs
• Provide greater access to Census API

Most AFF data migrated to the Census API and data.census.gov:
• Spring 2020

First major releases exclusively on data.census.gov this September:
• 2017 Economic Census
• 2018 American Community Survey 1-Year Estimates
The New Dissemination Platform:
How It All Works

How to Use data.census.gov
How to Use data.census.gov
1. How to Search

Two Options To Start Your Search:

1. Single Search:
   - Free form search box

2. Advanced Search
   - Select search criteria in a step-by-step filtering experience where you select desired checkboxes

Tips:
- You can find many results with either search option
- You can only access some complex topics/geographies using the advanced search. Give advanced search a try if you’re not finding a quick answer to your data question with single search.
Single Search: Keywords and Codes

Type keywords or codes to specify your:
• Geography
• Topic(s)
• Table ID
• Table prefix
• NAICS code

Advanced Search: More Complex Searches

Use Advanced Search to specify:
• Geographies with:
  Complex names (ex: tracts)
  Collections (ex: all counties in TN)
  Components (ex: urban/rural)
• Multiple Topics
• Survey/Program/Table Type
• Population Groups
  Race, Tribal, Hispanic Origin,
  Ancestry, and Foreign Born groups
Advanced Search Example: Commuting by Earnings in 2018: California, Sacramento County, Sacramento, Sacramento-Roseville-Arden-Arcade Metro Area

Find and select checkboxes in a series of step by step clicks
- Year
- Topics
- Geographies

Advanced Search Example: Economic Data - Gas Stations in California

Find and select codes by industry, product, service, and commodity through step by step clicks
How to Use data.census.gov
2. All Results Page

Search results by tables, maps, and webpages. Some topics also have feature results. Geography profiles available for nation, state, county and place.
How to Use data.census.gov

3. Locating a Geography Profile

**Geography Profile**

**Single Search:** Type Your Area and Click the First Bold Result

**Explore Census Data**

The Census Bureau is the leading source of quality data about the nation’s people and economy.

Sacramento city, California Profile

Sacramento city, California is a city, town, place equivalent (CDP), or township located in California. Sacramento city, California has a total area of 97.9 square miles.

**All Results Page:** Click the Blue Box that Says Explore Data

**Available for:**
- Nation
- State
- County
- City/Town
How to Use data.census.gov

4. Customizing your table

**Customizing Tables**

Use table controls to:

1. Download data
2. Change your table view
3. Add or remove items from your search criteria
4. View data notes
5. Link to FTP site

Look for Customize Table and Customize Map in upper right to access the full set of customization options.
Download: Two Formats
(1) Use the data (2) View or print the data

Option 1: Download Links/Buttons

Option 2: Right click table to export or copy

Result: A flat file where each geography has its own row

Do you want to?
• Use the data: Try download options
• View or print the data: Try right click options

Result: A table view

Data Notes

U.S. Department of Commerce
U.S. CENSUS BUREAU
census.gov
More Data

5. Mapping the data

How to Use data.census.gov
Mapping

Map a data variable from a table

1. Select your table
2. Select your variable
3. Add or remove geographies: ✓ Filter option ✓ Rectangle selection tool ✓ Click on the map

Table View of Mapped Estimate

You can now create a table view of the single estimate you mapped

1. Click Customize Map
2. Click View Table in the left panel
3. View your table

Tip: View table allows for a create your own geographic comparison similar to the functionality of AFF.
How to Use data.census.gov
6. Staying Connected

Links to educational materials and resources:
- Frequently Asked Questions (FAQs)
- Release Notes
- Recorded webinars
- Upcoming webinars
- Tutorials on data.census.gov

Tell us how to make your experience better!
Provide feedback at cedsci.feedback@census.gov
Demo of data.census.gov

Explore Census Data

The Census Bureau is the leading source of quality data about the nation's people and economy.

- commuting in Sacramento city
- commuting in Sacramento city, California
- commuting in West Sacramento city, California
- commuting in Sacramento city, Kentucky

Questions?
- What is data.census.gov?
- When will American FactFinder (AFF) go away?
- How do I get started with my search?

Release Notes
- More data available
- Table enhancements
- Export to Excel
- Multiple table download

Stay Connected
- Recorded Webinar: New Updates to data.census.gov - June 2019
- Tutorials

Single Search Bar
All Results Page

Geography Profile

Sacramento city, California

Sacramento city, California is a city, town, place equivalent (CDP), or township located in California. Sacramento city, California has a total area of 97.9 square miles.

People and Population

POULATION: 489,650

MEDIAN HOUSEHOLD INCOME: $54,615

POVERTY RATE: 19.8%

EMPLOYMENT RATE: 57.3%
### Commuting Characteristics by Sex

**Survey/Program:** American Community Survey  
**Table ID:** 59661  
**Product:** 2018, ACS 1-Year Estimates Subject Tables

#### Selected Economic Characteristics

**Survey/Program:** American Community Survey  
**Table ID:** 59661

#### Commuting Characteristics by Sex

**Survey/Program:** American Community Survey  
**Table ID:** 59661

#### Means of Transportation to Work by Selected Characteristics

**Survey/Program:** American Community Survey  
**Table ID:** 59662

#### Means of Transportation to Work by Selected Characteristics for Workplace Geography

**Survey/Program:** American Community Survey  
**Table ID:** 59663

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**Table Display**

<table>
<thead>
<tr>
<th>Total</th>
<th>Male</th>
<th>Female</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Workers 16 years and over</strong></td>
<td>235,740</td>
<td>125,554</td>
</tr>
</tbody>
</table>

**Means of Transportation**

- **Car, truck, or van:** 84.7%  
- **Walked:** 3.3%

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**Filters Menu**
Geography Filters

Selected Filters: Health Insurance  Sacramento County, California  Sacramento city, California

Search Query: [Health Insurance] [Sacramento County, California] [Sacramento city, California]
### All Results Page
- No Geographic Profile for multiple geographies
- Not all search results have single, curated results

### Table Display

#### Public Health Insurance Coverage by Type and Selected Characteristics

<table>
<thead>
<tr>
<th></th>
<th>Estimate</th>
<th>Margin of Error</th>
<th>Percent</th>
<th>Margin of Error</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Total</strong></td>
<td>526,925</td>
<td>+/-3,641</td>
<td>4,796</td>
<td></td>
</tr>
<tr>
<td><strong>Public Coverage</strong></td>
<td>415,504</td>
<td>+/-5,504</td>
<td>95.2%</td>
<td></td>
</tr>
</tbody>
</table>

- **Civilian-noninstitutional**: 1,027,845 +/-1,941
- **Medicare coverage**:
  - Under 19: 180,381 +/-2,490
  - 19 to 64 years: 313,506 +/-2,750
  - 65 years and over: 220,538 +/-2,852
- **Medicaid/medicaid**:
  - Under 19: 214,448 +/-614
  - 19 to 64 years: 46,711 +/-614
  - 65 years and over: 18,032 +/-795

**Note:**
- Data sourced from the U.S. Census Bureau’s American Community Survey.
- The tables display various estimates and margins of error for different categories, including employment status, insurance coverage types, and demographic characteristics.
Multiple table download

Copying and Exporting
<table>
<thead>
<tr>
<th>Civilian noninstitutionalized</th>
<th>Estimate</th>
<th>Margin of Error</th>
<th>Estimate</th>
<th>Margin of Error</th>
<th>Estimate</th>
<th>Margin of Error</th>
</tr>
</thead>
<tbody>
<tr>
<td>Civilian noninstitutionalized</td>
<td>1,527,946</td>
<td>±1,941</td>
<td>636,025</td>
<td>±15,584</td>
<td>41.0%</td>
<td>±1.0</td>
</tr>
<tr>
<td>Coverage alone OR...</td>
<td>(E)</td>
<td>(E)</td>
<td>238,327</td>
<td>±3,252</td>
<td>15.8%</td>
<td>±0.2</td>
</tr>
<tr>
<td>Medicare coverage...</td>
<td>(E)</td>
<td>(E)</td>
<td>2,296</td>
<td>±3,108</td>
<td>0.6%</td>
<td>±0.8</td>
</tr>
<tr>
<td>Under 18</td>
<td>385,939</td>
<td>±2,423</td>
<td>21,881</td>
<td>±2,759</td>
<td>3.4%</td>
<td>±1.3</td>
</tr>
<tr>
<td>19 to 64 years</td>
<td>301,692</td>
<td>±2,098</td>
<td>23,614</td>
<td>±1,993</td>
<td>95.5%</td>
<td>±0.7</td>
</tr>
<tr>
<td>65 years and over</td>
<td>174,446</td>
<td>±4,954</td>
<td>351,626</td>
<td>±1,571</td>
<td>11.6%</td>
<td>±1.1</td>
</tr>
<tr>
<td>Medicaid/Medicare...</td>
<td>(E)</td>
<td>(E)</td>
<td>847,214</td>
<td>±18,858</td>
<td>20.9%</td>
<td>±1.3</td>
</tr>
<tr>
<td>Under 18</td>
<td>385,939</td>
<td>±2,423</td>
<td>1,798,751</td>
<td>±16,373</td>
<td>45.7%</td>
<td>±2.6</td>
</tr>
<tr>
<td>19 to 64 years</td>
<td>602,668</td>
<td>±2,498</td>
<td>220,854</td>
<td>±8,442</td>
<td>30.7%</td>
<td>±1.0</td>
</tr>
<tr>
<td>65 years and over</td>
<td>174,446</td>
<td>±4,954</td>
<td>45,711</td>
<td>±2,858</td>
<td>8.5%</td>
<td>±0.9</td>
</tr>
<tr>
<td>VA health care...</td>
<td>(E)</td>
<td>(E)</td>
<td>32,072</td>
<td>±2,894</td>
<td>19.2%</td>
<td>±1.1</td>
</tr>
<tr>
<td>Under 18</td>
<td>385,939</td>
<td>±2,423</td>
<td>6</td>
<td>±0.211</td>
<td>0.0%</td>
<td>±0.0</td>
</tr>
<tr>
<td>19 to 64 years</td>
<td>913,686</td>
<td>±2,498</td>
<td>15,965</td>
<td>±2,283</td>
<td>1.0%</td>
<td>±0.1</td>
</tr>
</tbody>
</table>

Table Notes

PUBLIC HEALTH INSURANCE COVERAGE BY TYPE AND SELECTED CHARACTERISTICS
Survey/Program: American Community Survey
Year: 2018
Estimates: 1-Year Estimates
Table ID: 02704

Source: U.S. Census Bureau, 2018 American Community Survey 1-Year Estimates

Although the American Community Survey (ACS) produces population, demographic and housing unit estimates, it is the Census Bureau's Population Estimates Program that produces and disseminates the official estimates of the population for the nation, states, counties, cities, and towns and estimates of housing units for states and counties.

Data are based on a sample and are subject to sampling variability. The degree of uncertainty for an estimate arising from sampling variability is represented through the use of a margin of error. The value shown here is the 90 percent margin of error. The margin of error can be interpreted roughly as providing 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 lower 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 effect of nonsampling error is not represented in these tables.

Logical coverage edits applying a rules-based assignment of Medicaid, Medicare and military health coverage were added as of 2009 – please see https://www.census.gov/library/workingpapers/2013/doc/en coverage edits_final.html for more details. The 2006 data table in American FactFinder does not incorporate these edits. Therefore, the estimates that appear in these tables are not comparable to the estimates in the 2009 and later tables. Select geographies of 2009 data comparable to the 2009 and later tables are available at https://www.census.gov/acs/www/tables/time-series/one-year/2009.html. The health insurance coverage category names were modified in 2010. See https://www.census.gov/topics/health/health-insurance/about/glossary.html#harms_text for a list of the insurance type definitions.

Beginning in 2017, selected variable categories were updated, including age-categories, income-to-poverty ratio (IPR) categories, and the age universe for certain "health insurance Table Updates" for further details.

While the 2018 American Community Survey (ACS) data generally reflect the July 2015 Office of Management and Budget (OMB) delineations of metropolitan areas, counties, and boundaries of the principal cities shown in ACS tables may differ from the OMB delineations due to differences in the effective dates of the geographies. Please see the "Geographic Data Notes" to view more details.
Changing Variables

Mapping the data
### Map Table

<table>
<thead>
<tr>
<th>Geography</th>
<th>Population 16 years and over—Estimate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kings County, California</td>
<td>114,498</td>
</tr>
<tr>
<td>Monterey County, California</td>
<td>222,147</td>
</tr>
<tr>
<td>Nevada County, California</td>
<td>645,246</td>
</tr>
<tr>
<td>Shasta County, California</td>
<td>145,977</td>
</tr>
<tr>
<td>Yuba County, California</td>
<td>550,418</td>
</tr>
<tr>
<td>Riverside County, California</td>
<td>120,172</td>
</tr>
<tr>
<td>Sutter County, California</td>
<td>183,183</td>
</tr>
</tbody>
</table>

### Public Health Insurance Coverage by Type and Selected Characteristics

#### Mendocino County, California

<table>
<thead>
<tr>
<th>Total</th>
<th>Public Coverage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Estimate</td>
<td>Margin of Error</td>
</tr>
<tr>
<td>Civilian noninstitutional</td>
<td>86,511</td>
</tr>
<tr>
<td>COVERAGE AT ONE OR MORE</td>
<td>(X)</td>
</tr>
</tbody>
</table>

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**Note:** This information is sourced from the U.S. Census Bureau. For more detailed data, visit the Census Bureau's website at census.gov.
Overcoming Roadblocks

Overcoming Roadblocks: Functionality that is Not Available
Collections of Geographies: Where Are the Checkboxes to Select All Geos in a List?

More checkboxes coming for 2018 ACS 5-year release in December. In the meantime:

- Use maps on data.census.gov to select individual geographies or small groupings
- Use FTP sites or API
- Use American FactFinder to get data for collections of geographies from 2017 ACS 5-year release until we build the checkbox on data.census.gov

Example: “All census tracts in Utah”

Print Functionality and PDF Downloads

We hope to be able to build additional functionality on data.census.gov in the future. In the meantime:

Try right click options to get a table view in Excel
- Copy cells
- Copy cells with header
- Export entire table: Small tables less than 400 rows by 400 columns

Print from Excel or convert to PDF

<table>
<thead>
<tr>
<th>A</th>
<th>B</th>
<th>C</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Utah</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Estimate</td>
<td>Margin of Error</td>
</tr>
<tr>
<td>3</td>
<td>Median earnings in the past 12 months --</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Total:</td>
<td>33,402 +/-750</td>
</tr>
<tr>
<td>5</td>
<td>Car, truck, or van - drove alone</td>
<td>35,701 +/-450</td>
</tr>
<tr>
<td>6</td>
<td>Car, truck, or van - carpooled</td>
<td>27,308 +/-2,158</td>
</tr>
<tr>
<td>7</td>
<td>Public transportation (excluding taxicab)</td>
<td>26,231 +/-2,181</td>
</tr>
</tbody>
</table>
Address Lookup

To find the census tract or other geographic areas associated with a particular address:

- Use the Census Geocoder and reference FAQ KCP-5495
- Use the Address Tab in the Geographies section of American FactFinder’s Advanced Search

Shapefile Downloads

Multiple Options to Download Shapefiles:

Geography Resources
1. Shapefiles for common types of geographic areas: Use the TIGER/Line Shapefiles web interface and reference FAQ KCP-5491
2. Shapefiles for all geographic areas: Use the FTP site and see the educational brochure on Downloading TIGER/Line Shapefiles

American FactFinder
- Use map download options to get Shapefiles from 2018 and prior years
Overcoming Roadblocks: Functionality that is Different

Geographic Comparison Tables and Ranking Tables

**Geographic Comparison Table:**
data.census.gov offers more flexibility to create a view similar to a Geographic Comparison Table for any estimate and set of geographies

- Map the estimate you are interested in and select “View Table” in the left panel of the “Customize Map” view

**Ranking Table:**

- Download ACS Ranking Tables from the FTP site (new for 2018 ACS 1-year release) census.gov/acs/www/data/data-tables-and-tools/ranking-tables/
Topics Hierarchy has changed: Familiarize yourself with new topics layout.

Download Errors

Break your download into smaller pieces by using:
- Fewer geographies
- Fewer tables/vintages in a single download
- Smaller tables

Example: Download median income from Detailed Table B19013 instead of Subject Table S1903

Download from FTP Sites:
Links to FTP sites on data.census.gov

Census Bureau’s Data API
census.gov/developers
Our Development Depends on **YOUR** Feedback

Check out data.census.gov and provide comments at cedsci.feedback@census.gov

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Stay Connected: Webinars, Tutorials, and Feedback

Go here for info on data.census.gov:

Census Academy:
[https://census.gov/data/academy/webinars/upcoming.html](https://census.gov/data/academy/webinars/upcoming.html)

- **Webinars**: Recorded and upcoming webinars on data.census.gov
- **Data Gems**: A series of short “How-To” videos

Feedback: Email comments to cedsci.feedback@census.gov

NEW Data Gems: [census.gov/data/academy/data-gems.html](https://census.gov/data/academy/data-gems.html)
Feedback

Email your comments to cedsci.feedback@census.gov

Learn More and Share


Stay in Touch

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