

# data.census.gov

## Q&A

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Center for Enterprise Dissemination (CED)

U.S. Census Bureau

# ❖ Why can't I use the Single Search and the Advanced Search together?



United States  
**Census**  
Bureau

## Explore Census Data

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

Q I'm looking for ...

[Advanced Search](#)

## Advanced Search

Narrow search with filters

FIND A FILTER

e.g. 336111 - Automobile Manufacturing

**BROWSE FILTERS**

- Topics
- Geography
- Years
- Surveys
- Codes

Please select a filter to narrow your

# Example: Searching for poverty in San Antonio, TX by using the Single Search bar

United States Census Bureau

## Explore Census Data

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

× Search

- poverty in San Antonio city, Texas
- poverty in San Antonio Central CCD, Bexar County, Texas
- poverty in San Antonio North CCD, Bexar County, Texas
- poverty in San Antonio Northwest CCD, Bexar County, Texas
- poverty in San Antonio West CCD, Bexar County, Texas

[Advanced Search](#)

When will American FactFinder (AFF) go away? [Table enhancements](#)

How do I get started with my search? [Export to Excel](#)

How do I save my results or search? [Multiple table download](#)

How do I access data by race, Hispanic origin, ancestry, or country of birth? [Bug fixes](#)

What are the known issues and defects? [Full Release Notes](#)

United States Census Bureau

poverty in San Antonio × Search

ALL TABLES MAPS PAGES

About 284 results | [Filter](#)

[EXPLORE DATA](#)

### 20.0% +/- 1.0% Poverty, All people in San Antonio city, Texas

Source 2018 American Community Survey 1-Year Estimates  
<https://www.census.gov/programs-surveys/acs/>

### Tables

#### POVERTY STATUS IN THE PAST 12 MONTHS

Survey/Program: American Community Survey  
 Years: 2018,2017,2016,2015,2014,2013,2012,2011,2010 Table: S1701

	San Antonio city, Texas			
	Total		Below poverty level	
	Estimate	Margin of Error	Estimate	Margin of Error
Population for whom po...	1,507,408	+/-3,199	301,024	+/-1,000
AGE				
Under 18 years	374,434	+/-4,917	110,515	+/-1,000
Under 5 years	104,342	+/-3,435	35,731	+/-1,000
5 to 17 years	270,092	+/-4,408	74,784	+/-1,000

#### POVERTY STATUS IN THE PAST 12 MONTHS OF FAMILIES

Survey/Program: American Community Survey  
 Years: 2018,2017,2016,2015,2014,2013,2012,2011,2010 Table: S1702

[EXPLORE DATA](#)

### San Antonio city, Texas Profile

San Antonio city, Texas is a city, town, place equivalent (CDP), or township located in Texas. San Antonio city, Texas has a total area of 460.9 square miles.

- ### Related Searches
- San Antonio city, Texas Business and Economy
  - San Antonio city, Texas Education
  - San Antonio city, Texas Employment
  - San Antonio city, Texas Families and Living Arrangements
  - San Antonio city, Texas Government
  - San Antonio city, Texas Health
  - San Antonio city, Texas Housing
  - San Antonio city, Texas Income and Poverty
  - San Antonio city, Texas Populations and People
  - San Antonio city, Texas Race and Ethnicity

# Example: Searching for poverty in San Antonio, TX by using Advanced Search - Filter Search

The image shows three sequential screenshots of the 'Advanced Search' interface, illustrating the steps to filter for poverty in San Antonio, TX. Red boxes and arrows highlight the key actions.

- Step 1:** The 'FIND A FILTER' search bar is highlighted with a red box. The text 'e.g. 336111 - Automobile Manufacturing' is visible. Below the search bar, a 'BROWSE FILTERS' sidebar lists 'Topics', 'Geography', 'Years', 'Surveys', and 'Codes'.
- Step 2:** The search bar now contains 'poverty'. Below it, the 'Topics' section is expanded, showing 'Income and Poverty', 'Poverty' (checked), and 'Official Poverty Measure'. The 'Selected Filters' bar at the bottom shows 'Poverty' with a close button.
- Step 3:** The search bar now contains 'san antonio'. Below it, the 'Geography' section is expanded, showing 'San Antonio city, Texas' (checked) and several CCDs. The 'Selected Filters' bar at the bottom now shows both 'Poverty' and 'San Antonio city, Texas' with close buttons.

1. Type in poverty, and select “Poverty.”
2. Type in San Antonio, and select “San Antonio city, Texas.”
3. Make sure all your filters are selected.

// Search / Advanced Search

## Advanced Search

e.g. age, sex, population...

Narrow search with filters

**FIND A FILTER**

san antonio ×

**Geography**

- San Antonio city, Texas
- San Antonio Central CCD, Bexar County, Texas
- San Antonio North CCD, Bexar County, Texas
- San Antonio Northwest CCD, Bexar County, Texas
- San Antonio Northeast CCD, Bexar County, Texas

**Selected Filters:** Poverty × San Antonio city, Texas ×

CLEAR FILTERS SEARCH MORE



United States Census Bureau

Search

ALL TABLES MAPS PAGES

About 37,410 results | [Filter](#)

[EXPLORE DATA](#)

### 20.0% +/- 1.0% Poverty, All people in San Antonio city, Texas

Source 2018 American Community Survey 1-Year Estimates  
<https://www.census.gov/programs-surveys/acs/>

**Tables**

**POVERTY STATUS IN THE PAST 12 MONTHS**

Survey/Program: American Community Survey  
 Years: 2018,2017,2016,2015,2014,2013,2012,2011,2010 Table: S1701

	San Antonio city, Texas			
	Total		Below poverty level	
	Estimate	Margin of Error	Estimate	Margin of Error
Population for whom po...	1,507,408	+/-3,199	301,024	+/-15,316

Click on “SEARCH,” then your result will show up.

# ❖ Why are the topics different from AFF?

// Search / Advanced Search

## Advanced Search

Narrow search with filters

FIND A FILTER

e.g. 336111 - Automobile Manufacturing

BROWSE FILTERS	TOPICS	EMPLOYMENT
<b>Topics</b>	Business and Economy	<input type="checkbox"/> Employment
Geography	Education	<input type="checkbox"/> Class of Worker
Years	<b>Employment</b>	<input checked="" type="checkbox"/> <b>Commuting</b>
Surveys	Families and Living Arrangements	<input type="checkbox"/> Employment and Labor Force Status
Codes	Government	<input type="checkbox"/> Industry
	Health	<input type="checkbox"/> Occupation
	Housing	Work Experience
	Income and Poverty	<input type="checkbox"/> Work from Home
	Populations and People	
	Race and Ethnicity	

United States Census Bureau

# AMERICAN FactFinder

Feedback FAQs

MAIN COMMUNITY FACTS GUIDED SEARCH **ADVANCED SEARCH** DOWNLOAD CENTER

As of July 1, 2019 data.census.gov is now the primary way to access Census Bureau data, including the latest releases from the American Community Survey and 2017 Economic Census and the upcoming 2020 Census and more. American FactFinder decommissioned in 2020.

Read more about the Census Bureau's transition to data.census.gov

### Select Topics

Select Topics to add to 'Your Selections'

- People**
- Basic Count/Estimate
- Age & Sex
- Age Group
- Disability
- Education
- Employment**
- Benefits (62)
- Class of Worker (1,402)
- Commuting (Journey to Work) (5,877)**
- Employment (Labor Force) Status (6,908)
- Industry (1,939)
- Occupation (3,102)
- Part/Full-Time Work Status (1,137)
- Place of Work (1,955)
- Subsistence Activity (15)
- Work Disability Status (211)
- Income & Earnings
- Insurance Coverage

Note: The Race & Ethnicity topic is available under the Race and Ethnic Groups button on the left.

Include archived products in your search

Search - Use the options below

Your Selections: 'Your Selections' is empty

Search using the options below:

- Topics** (age, income, year, dataset, ...)
- Geographies** (states, counties, places, ...)
- Race and Ethnic Groups** (race, ancestry, tribe)
- Industry Codes** (NAICS industry, ...)
- EEO Occupation Codes** (executives, analysts, ...)

Age and Sex

Business and Economy

Education

Emergency Preparedness

Employment

Families and Living Arrangements

Geographic Mobility / Migration

Geography

Health

Hispanic Origin

Housing

Income and Poverty

International Trade

Population

Population Estimates

Public Sector

Race

Research

Voting and Registration

A - Z

News

Publications

Related Sites

Surveys/Programs

Visualizations

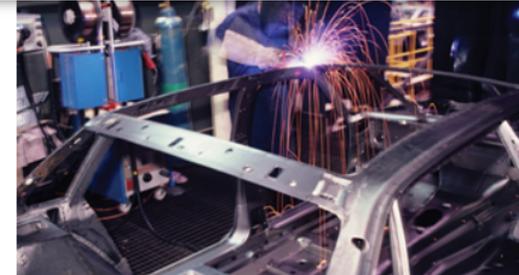
Working Papers

< Back to Topics

nation's workforce, including employment and unemployment levels, as well as weeks and hours worked.

[Read More](#)

- [Commuting \(Journey to Work\)](#)
- [Disability Employment Tabulation](#)
- [Employers: Private Sector](#)
- [Employers: Public Sector](#)
- [Equal Employment Opportunity Tabulation](#)
- [Industry and Occupation](#)
- [Labor Force Statistics](#)
- [Public Sector Employment and Payroll](#)
- [Work from Home](#)



## News

STATS FOR STORIES | NOVEMBER 2019

**National Family Caregivers Month: November 2019**

U.S. CENSUS BUREAU  
ECONOMIC INDICATORS

Quarterly Profits -  
Manufacturers'  
3rd Quarter 2019 Report  
Released 10:00 AM EST, 12/3/19

\$149.1 P  
After-tax  
profit

Is this page helpful? ✕

# What data are available in data.census.gov?

	2010	2011	2012	2013	2014	2015	2016	2017	2018
ACS 1-Year Detailed Tables	✓	✓	✓	✓	✓	✓	✓	✓	✓
ACS 1-Year Data Profiles	✓	✓	✓	✓	✓	✓	✓	✓	✓
ACS 1-Year Comparison Profiles	✓	✓	✓	✓	✓	✓	✓	✓	✓
ACS 1-Year Subject Tables	✓	✓	✓	✓	✓	✓	✓	✓	✓
ACS Selected Population Profiles							✓	✓	✓
ACS 5-Year Detailed Tables	✓	✓	✓	✓	✓	✓	✓	✓	
ACS 5-Year Data Profiles	✓	✓	✓	✓	✓	✓	✓	✓	
ACS 5-Year Comparison Profiles	✓	✓	✓	✓	✓	✓	✓	✓	
ACS 5-Year Subject Tables	✓	✓	✓	✓	✓	✓	✓	✓	
ACS Supplemental Estimates					✓	✓	✓	✓	
Decennial Summary File 1 (SF1) Tables	✓								
Decennial 113 <sup>th</sup> Congressional District Summary File	✓								
Decennial 115 <sup>th</sup> Congressional District Summary File	✓								
Economic Census US Basic Data			✓					✓	
County Business Patterns			✓	✓	✓	✓	✓		
Non-Employer Statistics			✓	✓	✓	✓	✓	✓	
Survey of Business Owners Company Summary			✓						
Survey of Business Owners Characteristics of Business Owners			✓						

Note: ACS Data will not be available prior to 2010. All ACS data, including 2005 to 2009 data, are available in the Census Data API.

The screenshot shows the 'Frequently Asked Questions' page on data.census.gov. The main heading is 'What data are available in data.census.gov?'. Below this is a table with columns for years 2010 through 2018. The table lists various data products and their availability status (indicated by checkmarks).

	2010	2011	2012	2013	2014	2015	2016	2017	2018
ACS 1-Year Detailed Tables	✓	✓	✓	✓	✓	✓	✓	✓	✓
ACS 1-Year Data Profiles	✓	✓	✓	✓	✓	✓	✓	✓	✓
ACS 1-Year Comparison Profiles	✓	✓	✓	✓	✓	✓	✓	✓	✓
ACS 1-Year Subject Tables	✓	✓	✓	✓	✓	✓	✓	✓	✓
ACS Selected Population Profiles							✓	✓	✓
ACS 5-Year Detailed Tables	✓	✓	✓	✓	✓	✓	✓	✓	
ACS 5-Year Data Profiles	✓	✓	✓	✓	✓	✓	✓	✓	
ACS 5-Year Comparison Profiles	✓	✓	✓	✓	✓	✓	✓	✓	
ACS 5-Year Subject Tables	✓	✓	✓	✓	✓	✓	✓	✓	
ACS Supplemental Estimates						✓	✓	✓	
Decennial Summary File 1 (SF1) Tables	✓								
Decennial 113 <sup>th</sup> Congressional District Summary File	✓								
Decennial 115 <sup>th</sup> Congressional District Summary File	✓								
Economic Census US Basic Data			✓					✓	
County Business Patterns			✓	✓	✓	✓	✓		
Non-Employer Statistics			✓	✓	✓	✓	✓	✓	
Survey of Business Owners Company Summary			✓						
Survey of Business Owners Characteristics of Business Owners			✓						

Note: ACS Data will not be available prior to 2010. All ACS data, including 2005 to 2009 data, are available in the Census Data API.

❖ What pseudo geographies have already been added?

# Pseudo geographies found in data.census.gov right now:

- All States in the United States
- All Counties within the United States and all States
- All Places within the United States and all States
- All Congressional Districts for the 111th through 116th Congresses in the United States and within States
- All Congressional Districts for the 106th through 116th Congresses within States
- All American Indian Areas / Alaska Native Areas / Hawaiian Home Lands (AIA/ANA/HHL) within the United States and by State
- All ZIP Code Tabulation Areas (ZCTAs) in the United States and by State
- All ZIP Code Tabulation Area (ZCTAs) fully/partially within State
- All State Legislative Districts, Upper Chamber within State
- All State Legislative Districts, Lower Chamber within State
- All County Subdivisions within State and County
- All Urban Areas within the United States
- All Metropolitan-Micropolitan Statistical Areas within the United States and within States
- All Census Tracts within State and County
- All School Districts (Elementary, Secondary, and Unified) within States
- All Block Groups within Counties, and Tracts
- All Combined Statistical Areas within the United States
- All Public Use Microdata Areas (PUMAs) within the United States and all States

The image displays two screenshots of the data.census.gov Advanced Search interface. The top screenshot shows the search results for 'e.g. 336111 - Automobile Manufacturing' with filters for Geography (Metropolitan Statistical Area, Metropolitan Division) and Place (Metropolitan Statistical Area). The bottom screenshot shows a map of Kansas with a legend for Public Use Microdata Areas (PUMAs) and a list of geographies including Unified School District, ZIP Code Tabulation Area, Tribal Subdivision, Alaska Native Regional Corporation, Urban Area, Census Tract, Census Block Group, Public Use Microdata Area, American Indian Area/Alaska Native Area (Reservation or Statistical Entity Only), American Indian Area (Off-Reservation Trust Land Only), Hawaiian Home Land, and Metropolitan Division.

❖ How else can I access the pseudo geographies?

Example: Searching for all congressional districts in California.  
Visit [census.gov/developers](https://census.gov/developers), and click “Available APIs.”

The screenshot shows the 'Developers' page on the U.S. Census Bureau website. The top navigation bar includes the 'United States Census Bureau' logo and a search bar. Below the navigation bar is a red banner with the text: 'We are hiring thousands of people for the 2020 Census. Click to learn more and apply.' The breadcrumb trail reads: '// Census.gov > Data > Developers'. The main heading is 'Developers'. The introductory text states: 'The Census Bureau has begun rolling out our datasets via APIs. Check out our [Discovery Tool](#). Sign up for our [newsletter](#) to get the latest updates and newest dataset addition. We also invite you to make requests for features / data via our [forum](#).' A 'Read More' link is provided below the text. The left sidebar contains a list of links: 'About this Section', 'API Forum', 'App Gallery', 'Available APIs' (highlighted with a red box), 'Geography', 'Guidance for Developers', 'News', 'Terms of Service', 'Updates', and '< Back to Data'. A video player is embedded on the right side of the page, showing a group of people working at a table with laptops. The video title is '2015 National Day of Civic ...'. The footer of the page features logos for 'slack', 'NEWS', and 'CITY SDK'. A feedback widget in the bottom right corner asks 'Is this page helpful?' with 'Yes' and 'No' options.

Click on “American Community Survey 1 – Year Data (2011-2018).”

The screenshot shows the U.S. Census Bureau website's 'Available APIs' page. The header includes the 'United States Census Bureau' logo and a search bar. A navigation menu contains links for 'BROWSE BY TOPIC', 'EXPLORE DATA', 'LIBRARY', 'SURVEYS/ PROGRAMS', 'INFORMATION FOR...', and 'FIND A CODE'. An orange banner at the top reads: 'We are hiring thousands of people for the 2020 Census. Click to learn more and apply.' Below this is a breadcrumb trail: '// Census.gov > Data > Developers > Available APIs'. The main heading is 'Available APIs'. A left sidebar lists various sections, with 'Available APIs' selected. The main content area contains a paragraph: 'We plan on adding more of our publicly available datasets. Here you'll find which of our many data sets are currently available via API. To make specific requests for the release of datasets, please sign up and submit your requests on our [Developer Forum](#).' Below this is a news item: 'NEW: We now have a machine-readable dataset discovery service available in beta release. Visit our [Discovery Tool page](#) to learn more.' A pagination indicator shows 'Page 1 of 2 >'. The first news item is dated 'OCTOBER 17, 2019' and has the title 'American Community Survey 1-Year Data (2011-2018)' highlighted with a red box. The description for this item reads: 'Access with populations of 65,000+. Covers a broad range of topics about social, economic, demographic, and housing characteristics of the U.S. population.' The second news item is dated 'OCTOBER 18, 2018' and has the title 'American Community Survey 1-Year Supplemental Data (2014 - 2017)'.

United States Census Bureau

Search

BROWSE BY TOPIC EXPLORE DATA LIBRARY SURVEYS/ PROGRAMS INFORMATION FOR... FIND A CODE ABOUT US

We are hiring thousands of people for the 2020 Census. Click to learn more and apply.

// Census.gov > Data > Developers > Available APIs > American Community Survey 1-Year Data (2011-2018)

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App Gallery  
Available APIs  
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Guidance for Developers  
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Terms of Service  
Updates  
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**American Community Survey 1-Year Data (2011-2018)**

OCTOBER 17, 2019

The American Community Survey (ACS) is an ongoing survey that provides data every year -- giving communities the current information they need to plan investments and economic development. For more information about the data available in the ACS, please visit its data users page.

2018 2017 2016 2015 2014 2013 2012 2011

**2018**

Related Information

- Notes on ACS API Variable Formats
- Notes on ACS API Variable Types
- Notes on ACS Estimate and Annotation Values

It defaults to the most recent year available – 2018. Scroll down to the Data Profiles section, and click on “Examples and Supported Geography.”

News

Variable Changes

Variables, and the values they represent, may change over time. If you are using variables in prior year releases, check the [ACS procedure webpage](#) for source table changes. If the variable you have selected is from a table that has changed from the prior year, check the [variable changes page](#) (variables.html) and compare the variable concept and label to ensure you are requesting the correct estimate.

Annotation Variables

In September 2016, ACS released annotation variables that provide alternative representations of each estimate. Many annotations return a value, if an annotation variable returns a value, it provides information about the estimate or margin of error. For example, if an

- ACS Technical Documentation
- Examples and Supported Geography

Data Profiles

- Example Call:** `api.census.gov/data/2018/acs/acs1/profile?get=group(DP02)&for=us:1&key=YOUR_KEY_GOES_HERE`
- 2018 ACS Data Profiles Variables [ [html](#) | [xml](#) | [json](#) ]
- ACS Technical Documentation
- Examples and Supported Geography**

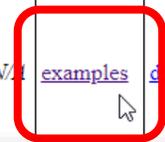
Comparison Profile

- Example Call:** `api.census.gov/data/2018/acs/acs1/cprofile?get=group(CP05)&for=us:1&key=YOUR_KEY_GOES_HERE`
- 2018 ACS Comparison Profile Variables [ [html](#) | [xml](#) | [json](#) ]
- ACS Technical Documentation
- Examples and Supported Geography

# Click on “examples.”

Census API: Datasets in /data/2018/acs/acs1/profile and its descendants

Title	Description	Vintage	Dataset Name	Geography List	Variable List	Group List	Tag List	Examples	Developer Documentation	API Base URL
ACS 1-Year Profile Tables	The American Community Survey (ACS) is an ongoing survey that provides data every year -- giving communities the current information they need to plan investments and services. The ACS covers a broad range of topics about social, economic, demographic, and housing characteristics of the U.S. population. Much of the ACS data provided on the Census Bureau's Web site are available separately by age group, race, Hispanic origin, and sex. Summary files, Subject tables, Data profiles, and Comparison profiles are available for the nation, all 50 states, the District of Columbia, Puerto Rico, every congressional district, every metropolitan area, and all counties and places with populations of 65,000 or more. Data profiles contain broad social, economic, housing, and demographic information. The data are presented as population counts and percentages. There are over 1,000 variables in this dataset.	2018	acs acs1 profile	<a href="#">geographies</a>	<a href="#">variables</a>	<a href="#">groups</a>	<a href="#">N/A</a>	<a href="#">examples</a>	<a href="#">documentation</a>	<a href="https://api.census.gov/data/2018/acs/acs1/profile">https://api.census.gov/data/2018/acs/acs1/profile</a>



Census API: Examples for /data/2018/acs/acs1/profile

Geography Hierarchy	Example URL
us	<a href="https://api.census.gov/data/2018/acs/acs1/profile?get=NAME,DP02_0001E&amp;for=us.*&amp;key=YOUR_KEY_GOES_HERE">https://api.census.gov/data/2018/acs/acs1/profile?get=NAME,DP02_0001E&amp;for=us.*&amp;key=YOUR_KEY_GOES_HERE</a>
region	<a href="https://api.census.gov/data/2018/acs/acs1/profile?get=NAME,DP02_0001E&amp;for=region.*&amp;key=YOUR_KEY_GOES_HERE">https://api.census.gov/data/2018/acs/acs1/profile?get=NAME,DP02_0001E&amp;for=region.*&amp;key=YOUR_KEY_GOES_HERE</a>
division	<a href="https://api.census.gov/data/2018/acs/acs1/profile?get=NAME,DP02_0001E&amp;for=division.*&amp;key=YOUR_KEY_GOES_HERE">https://api.census.gov/data/2018/acs/acs1/profile?get=NAME,DP02_0001E&amp;for=division.*&amp;key=YOUR_KEY_GOES_HERE</a>
state	<a href="https://api.census.gov/data/2018/acs/acs1/profile?get=NAME,DP02_0001E&amp;for=state.*&amp;key=YOUR_KEY_GOES_HERE">https://api.census.gov/data/2018/acs/acs1/profile?get=NAME,DP02_0001E&amp;for=state.*&amp;key=YOUR_KEY_GOES_HERE</a>
state > county	<a href="https://api.census.gov/data/2018/acs/acs1/profile?get=NAME,DP02_0001E&amp;for=county.*&amp;key=YOUR_KEY_GOES_HERE">https://api.census.gov/data/2018/acs/acs1/profile?get=NAME,DP02_0001E&amp;for=county.*&amp;key=YOUR_KEY_GOES_HERE</a>
state > county > county subdivision	<a href="https://api.census.gov/data/2018/acs/acs1/profile?get=NAME,DP02_0001E&amp;for=county%20subdivision.*&amp;in=state:36&amp;key=YOUR_KEY_GOES_HERE">https://api.census.gov/data/2018/acs/acs1/profile?get=NAME,DP02_0001E&amp;for=county%20subdivision.*&amp;in=state:36&amp;key=YOUR_KEY_GOES_HERE</a>
state > place	<a href="https://api.census.gov/data/2018/acs/acs1/profile?get=NAME,DP02_0001E&amp;for=place.*&amp;in=state.*&amp;key=YOUR_KEY_GOES_HERE">https://api.census.gov/data/2018/acs/acs1/profile?get=NAME,DP02_0001E&amp;for=place.*&amp;in=state.*&amp;key=YOUR_KEY_GOES_HERE</a>
state > alaska native regional corporation	<a href="https://api.census.gov/data/2018/acs/acs1/profile?get=NAME,DP02_0001E&amp;for=alaska%20native%20regional%20corporation.*&amp;key=YOUR_KEY_GOES_HERE">https://api.census.gov/data/2018/acs/acs1/profile?get=NAME,DP02_0001E&amp;for=alaska%20native%20regional%20corporation.*&amp;key=YOUR_KEY_GOES_HERE</a>

Scroll down to “state > congressional district,” and click on the second link.

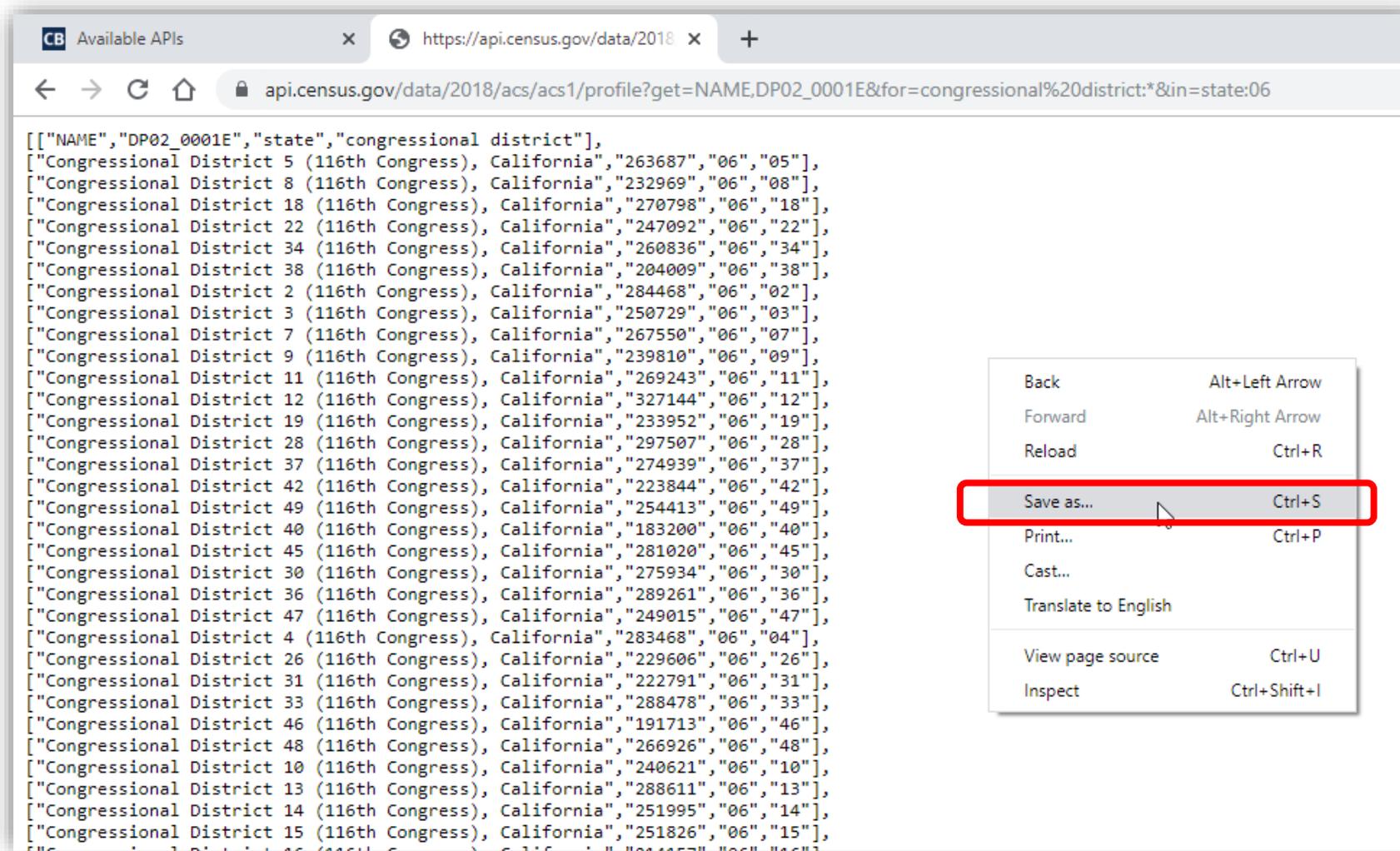
new england city and town area > state > principal city (or part)	<a href="https://api.census.gov/data/2018/acs/acs1/profile?get=NAME,DP02_0001E&amp;for=principal%20city%20(or%20part):*&amp;in=new%20england%20city%20and%20town%20area:71650&amp;key=YOUR_KEY_GOES_HERE">https://api.census.gov/data/2018/acs/acs1/profile?get=NAME,DP02_0001E&amp;for=principal%20city%20(or%20part):*&amp;in=new%20england%20city%20and%20town%20area:71650&amp;key=YOUR_KEY_GOES_HERE</a>
	<a href="https://api.census.gov/data/2018/acs/acs1/profile?get=NAME,DP02_0001E&amp;for=principal%20city%20(or%20part):*&amp;in=new%20england%20city%20and%20town%20area:71650&amp;in=state:*&amp;key=YOUR_KEY_GOES_HERE">https://api.census.gov/data/2018/acs/acs1/profile?get=NAME,DP02_0001E&amp;for=principal%20city%20(or%20part):*&amp;in=new%20england%20city%20and%20town%20area:71650&amp;in=state:*&amp;key=YOUR_KEY_GOES_HERE</a>
	<a href="https://api.census.gov/data/2018/acs/acs1/profile?get=NAME,DP02_0001E&amp;for=principal%20city%20(or%20part):07000&amp;in=new%20england%20city%20and%20town%20area:71650%20state:25&amp;key=YOUR_KEY_GOES_HERE">https://api.census.gov/data/2018/acs/acs1/profile?get=NAME,DP02_0001E&amp;for=principal%20city%20(or%20part):07000&amp;in=new%20england%20city%20and%20town%20area:71650%20state:25&amp;key=YOUR_KEY_GOES_HERE</a>
new england city and town area > necta division	<a href="https://api.census.gov/data/2018/acs/acs1/profile?get=NAME,DP02_0001E&amp;for=necta%20division:*&amp;in=new%20england%20city%20and%20town%20area:71650&amp;key=YOUR_KEY_GOES_HERE">https://api.census.gov/data/2018/acs/acs1/profile?get=NAME,DP02_0001E&amp;for=necta%20division:*&amp;in=new%20england%20city%20and%20town%20area:71650&amp;key=YOUR_KEY_GOES_HERE</a>
	<a href="https://api.census.gov/data/2018/acs/acs1/profile?get=NAME,DP02_0001E&amp;for=necta%20division:71654&amp;in=new%20england%20city%20and%20town%20area:71650&amp;key=YOUR_KEY_GOES_HERE">https://api.census.gov/data/2018/acs/acs1/profile?get=NAME,DP02_0001E&amp;for=necta%20division:71654&amp;in=new%20england%20city%20and%20town%20area:71650&amp;key=YOUR_KEY_GOES_HERE</a>
urban area	<a href="https://api.census.gov/data/2018/acs/acs1/profile?get=NAME,DP02_0001E&amp;for=urban%20area:*&amp;key=YOUR_KEY_GOES_HERE">https://api.census.gov/data/2018/acs/acs1/profile?get=NAME,DP02_0001E&amp;for=urban%20area:*&amp;key=YOUR_KEY_GOES_HERE</a>
	<a href="https://api.census.gov/data/2018/acs/acs1/profile?get=NAME,DP02_0001E&amp;for=urban%20area:29818&amp;key=YOUR_KEY_GOES_HERE">https://api.census.gov/data/2018/acs/acs1/profile?get=NAME,DP02_0001E&amp;for=urban%20area:29818&amp;key=YOUR_KEY_GOES_HERE</a>
state > congressional district	<a href="https://api.census.gov/data/2018/acs/acs1/profile?get=NAME,DP02_0001E&amp;for=congressional%20district:*&amp;key=YOUR_KEY_GOES_HERE">https://api.census.gov/data/2018/acs/acs1/profile?get=NAME,DP02_0001E&amp;for=congressional%20district:*&amp;key=YOUR_KEY_GOES_HERE</a>
	<a href="https://api.census.gov/data/2018/acs/acs1/profile?get=NAME,DP02_0001E&amp;for=congressional%20district:*&amp;in=state:*&amp;key=YOUR_KEY_GOES_HERE">https://api.census.gov/data/2018/acs/acs1/profile?get=NAME,DP02_0001E&amp;for=congressional%20district:*&amp;in=state:*&amp;key=YOUR_KEY_GOES_HERE</a>
	<a href="https://api.census.gov/data/2018/acs/acs1/profile?get=NAME,DP02_0001E&amp;for=congressional%20district:01&amp;in=state:01&amp;key=YOUR_KEY_GOES_HERE">https://api.census.gov/data/2018/acs/acs1/profile?get=NAME,DP02_0001E&amp;for=congressional%20district:01&amp;in=state:01&amp;key=YOUR_KEY_GOES_HERE</a>
state > public use microdata area	<a href="https://api.census.gov/data/2018/acs/acs1/profile?get=NAME,DP02_0001E&amp;for=public%20use%20microdata%20area:*&amp;key=YOUR_KEY_GOES_HERE">https://api.census.gov/data/2018/acs/acs1/profile?get=NAME,DP02_0001E&amp;for=public%20use%20microdata%20area:*&amp;key=YOUR_KEY_GOES_HERE</a>
	<a href="https://api.census.gov/data/2018/acs/acs1/profile?get=NAME,DP02_0001E&amp;for=public%20use%20microdata%20area:*&amp;in=state:*&amp;key=YOUR_KEY_GOES_HERE">https://api.census.gov/data/2018/acs/acs1/profile?get=NAME,DP02_0001E&amp;for=public%20use%20microdata%20area:*&amp;in=state:*&amp;key=YOUR_KEY_GOES_HERE</a>
	<a href="https://api.census.gov/data/2018/acs/acs1/profile?get=NAME,DP02_0001E&amp;for=public%20use%20microdata%20area:00202&amp;in=state:04&amp;key=YOUR_KEY_GOES_HERE">https://api.census.gov/data/2018/acs/acs1/profile?get=NAME,DP02_0001E&amp;for=public%20use%20microdata%20area:00202&amp;in=state:04&amp;key=YOUR_KEY_GOES_HERE</a>
state > school district (elementary)	<a href="https://api.census.gov/data/2018/acs/acs1/profile?get=NAME,DP02_0001E&amp;for=school%20district%20(elementary):*&amp;in=state:04&amp;key=YOUR_KEY_GOES_HERE">https://api.census.gov/data/2018/acs/acs1/profile?get=NAME,DP02_0001E&amp;for=school%20district%20(elementary):*&amp;in=state:04&amp;key=YOUR_KEY_GOES_HERE</a>
	<a href="https://api.census.gov/data/2018/acs/acs1/profile?get=NAME,DP02_0001E&amp;for=school%20district%20(elementary):06210&amp;in=state:04&amp;key=YOUR_KEY_GOES_HERE">https://api.census.gov/data/2018/acs/acs1/profile?get=NAME,DP02_0001E&amp;for=school%20district%20(elementary):06210&amp;in=state:04&amp;key=YOUR_KEY_GOES_HERE</a>
state > school district (secondary)	<a href="https://api.census.gov/data/2018/acs/acs1/profile?get=NAME,DP02_0001E&amp;for=school%20district%20(secondary):*&amp;in=state:04&amp;key=YOUR_KEY_GOES_HERE">https://api.census.gov/data/2018/acs/acs1/profile?get=NAME,DP02_0001E&amp;for=school%20district%20(secondary):*&amp;in=state:04&amp;key=YOUR_KEY_GOES_HERE</a>
	<a href="https://api.census.gov/data/2018/acs/acs1/profile?get=NAME,DP02_0001E&amp;for=school%20district%20(secondary):00082&amp;in=state:04&amp;key=YOUR_KEY_GOES_HERE">https://api.census.gov/data/2018/acs/acs1/profile?get=NAME,DP02_0001E&amp;for=school%20district%20(secondary):00082&amp;in=state:04&amp;key=YOUR_KEY_GOES_HERE</a>
state > school district (unified)	<a href="https://api.census.gov/data/2018/acs/acs1/profile?get=NAME,DP02_0001E&amp;for=school%20district%20(unified):*&amp;in=state:45&amp;key=YOUR_KEY_GOES_HERE">https://api.census.gov/data/2018/acs/acs1/profile?get=NAME,DP02_0001E&amp;for=school%20district%20(unified):*&amp;in=state:45&amp;key=YOUR_KEY_GOES_HERE</a>
	<a href="https://api.census.gov/data/2018/acs/acs1/profile?get=NAME,DP02_0001E&amp;for=school%20district%20(unified):02700&amp;in=state:45&amp;key=YOUR_KEY_GOES_HERE">https://api.census.gov/data/2018/acs/acs1/profile?get=NAME,DP02_0001E&amp;for=school%20district%20(unified):02700&amp;in=state:45&amp;key=YOUR_KEY_GOES_HERE</a>
53 examples	

Click into the address bar and replace state:\* with state:06.

The image displays two browser windows side-by-side, illustrating a URL modification. The top window shows the URL `https://api.census.gov/data/2018/acs/acs1/profile?get=NAME,DP02_0001E&for=congressional%20district:*&in=state:*` with the `state:*` portion highlighted by a red box. The bottom window shows the same URL but with `state:06`, also highlighted by a red box. Both windows display a JSON array of data for various congressional districts across different states.

```
[{"NAME", "DP02_0001E", "state", "congressional district"}, {"Congressional District 7 (116th Congress), Alabama", "250210", "01", "07"}, {"Congressional District 5 (116th Congress), California", "263687", "06", "05"}, {"Congressional District 8 (116th Congress), California", "232969", "06", "08"}, {"Congressional District 18 (116th Congress), California", "270798", "06", "18"}, {"Congressional District 22 (116th Congress), California", "247092", "06", "22"}, {"Congressional District 34 (116th Congress), California", "260836", "06", "34"}, {"Congressional District 38 (116th Congress), California", "204009", "06", "38"}, {"Congressional District 4 (116th Congress), Colorado", "305869", "08", "04"}, {"Congressional District 1 (116th Congress), Florida", "295098", "12", "01"}, {"Congressional District 23 (116th Congress), Florida", "274559", "12", "23"}, {"Congressional District 6 (116th Congress), Georgia", "287599", "13", "06"}, {"Congressional District 9 (116th Congress), Georgia", "281627", "13", "09"}, {"Congressional District 17 (116th Congress), Illinois", "280917", "17", "17"}, {"Congressional District 4 (116th Congress), Indiana", "292185", "18", "04"}, {"Congressional District 1 (116th Congress), Maine", "295578", "23", "01"}, {"Congressional District 2 (116th Congress), Maryland", "286945", "24", "02"}, {"Congressional District 7 (116th Congress), Maryland", "270505", "24", "07"}, {"Congressional District 4 (116th Congress), Massachusetts", "279926", "25", "04"}, {"Congressional District 8 (116th Congress), Massachusetts", "301338", "25", "08"}, {"Congressional District 6 (116th Congress), Michigan", "285178", "26", "06"}, {"Congressional District 13 (116th Congress), Michigan", "266256", "26", "13"}, {"Congressional District 2 (116th Congress), Missouri", "301587", "29", "02"}, {"Congressional District 6 (116th Congress), Missouri", "290010", "29", "06"}, {"Congressional District 2 (116th Congress), Nevada", "289415", "32", "02"}, {"Congressional District 3 (116th Congress), New York", "247880", "36", "03"}, {"Congressional District 7 (116th Congress), New York", "256906", "36", "07"}, {"Congressional District 23 (116th Congress), New York", "279327", "36", "23"}, {"Congressional District 2 (116th Congress), Oklahoma", "284540", "40", "02"}, {"Congressional District 3 (116th Congress), Oregon", "331954", "41", "03"}, {"Congressional District 8 (116th Congress), Pennsylvania", "273634", "42", "08"}, {"Congressional District 9 (116th Congress), Pennsylvania", "278703", "42", "09"}, {"Congressional District 10 (116th Congress), Pennsylvania", "292987", "42", "10"}, {"Congressional District 12 (116th Congress), Pennsylvania", "273471", "42", "12"}, {"Congressional District 5 (116th Congress), California", "263687", "06", "05"}, {"Congressional District 8 (116th Congress), California", "232969", "06", "08"}, {"Congressional District 18 (116th Congress), California", "270798", "06", "18"}, {"Congressional District 22 (116th Congress), California", "247092", "06", "22"}, {"Congressional District 34 (116th Congress), California", "260836", "06", "34"}, {"Congressional District 38 (116th Congress), California", "204009", "06", "38"}, {"Congressional District 2 (116th Congress), California", "284468", "06", "02"}, {"Congressional District 3 (116th Congress), California", "250729", "06", "03"}, {"Congressional District 7 (116th Congress), California", "267550", "06", "07"}, {"Congressional District 9 (116th Congress), California", "239810", "06", "09"}, {"Congressional District 11 (116th Congress), California", "269243", "06", "11"}, {"Congressional District 12 (116th Congress), California", "327144", "06", "12"}, {"Congressional District 19 (116th Congress), California", "233952", "06", "19"}, {"Congressional District 28 (116th Congress), California", "297507", "06", "28"}, {"Congressional District 37 (116th Congress), California", "274939", "06", "37"}, {"Congressional District 42 (116th Congress), California", "223844", "06", "42"}, {"Congressional District 49 (116th Congress), California", "254413", "06", "49"}, {"Congressional District 40 (116th Congress), California", "183200", "06", "40"}, {"Congressional District 45 (116th Congress), California", "281020", "06", "45"}, {"Congressional District 30 (116th Congress), California", "275934", "06", "30"}, {"Congressional District 36 (116th Congress), California", "289261", "06", "36"}, {"Congressional District 47 (116th Congress), California", "249015", "06", "47"}, {"Congressional District 4 (116th Congress), California", "283468", "06", "04"}, {"Congressional District 26 (116th Congress), California", "229606", "06", "26"}, {"Congressional District 31 (116th Congress), California", "222791", "06", "31"}, {"Congressional District 33 (116th Congress), California", "288478", "06", "33"}, {"Congressional District 46 (116th Congress), California", "191713", "06", "46"}, {"Congressional District 48 (116th Congress), California", "266926", "06", "48"}, {"Congressional District 10 (116th Congress), California", "240621", "06", "10"}, {"Congressional District 13 (116th Congress), California", "288611", "06", "13"}]
```

# Right click the page and select “Save as...”



- Name the file “All CDs in CA.csv” You must include “.csv” at the end.
- Click the drop down menu where it says “JSON” and change it to “All Files.”
- Then click Save.

The screenshot shows a web browser window with a 'Save As' dialog box open over a JSON API response. The dialog box is set to save the file in the 'Downloads' folder with the name 'All CDs in CA.csv'. The 'Save as type' dropdown menu is open, and 'All Files' is selected. A red arrow points from the dialog box to an Excel spreadsheet titled 'All CDs in CA - Excel'. The spreadsheet contains the following data:

	A	B	C	D	E	F	G	H	I	J	K	L
1	[["NAME"	DP02_0001E state	congressional district]									
2	["Congressional District 5 (116th Congress)	California"	263687	6	05]							
3	["Congressional District 8 (116th Congress)	California"	232969	6	08]							
4	["Congressional District 18 (116th Congress)	California"	270798	6	18]							
5	["Congressional District 22 (116th Congress)	California"	247092	6	22]							
6	["Congressional District 34 (116th Congress)	California"	260836	6	34]							
7	["Congressional District 38 (116th Congress)	California"	204009	6	38]							
8	["Congressional District 2 (116th Congress)	California"	284468	6	02]							
9	["Congressional District 3 (116th Congress)	California"	250729	6	03]							
10	["Congressional District 7 (116th Congress)	California"	267550	6	07]							
11	["Congressional District 9 (116th Congress)	California"	239810	6	09]							
12	["Congressional District 11 (116th Congress)	California"	269243	6	11]							
13	["Congressional District 12 (116th Congress)	California"	327144	6	12]							
14	["Congressional District 19 (116th Congress)	California"	233952	6	19]							
15	["Congressional District 28 (116th Congress)	California"	297507	6	28]							
16	["Congressional District 37 (116th Congress)	California"	274939	6	37]							
17	["Congressional District 42 (116th Congress)	California"	223844	6	42]							
18	["Congressional District 49 (116th Congress)	California"	254413	6	49]							
19	["Congressional District 40 (116th Congress)	California"	183200	6	40]							
20	["Congressional District 45 (116th Congress)	California"	281020	6	45]							
21	["Congressional District 30 (116th Congress)	California"	275934	6	30]							
22	["Congressional District 36 (116th Congress)	California"	289261	6	36]							
23	["Congressional District 47 (116th Congress)	California"	249015	6	47]							

## ❖ Download, Export and Copy:

What does the output actually look like for each of these?

Who is each geared towards? Who will find it useful?

Why does the downloaded table include the question marks/exclamation marks in the headers?

Download →

	A	B	C	D	E
1	GEO_ID	NAME	B27001_001E	B27001_001M	B27001_002E
2	id	Geographic Area Name	Estimate!!Total	Margin of Error!!Total	Estimate!!Total!!Ma
3	0100000U	United States	322249485	15307	1575364
4					
5					

Export →

	A	B	C	D	E	F
1					United States	
2					Estimate	Margin of Error
3	Total:				322,249,485	+/-15,307
4	Total:	Male:			157,536,451	+/-30,165
5	Total:	Male:	Under 6 years:		11,999,990	+/-30,258
6	Total:	Male:	Under 6 years:	With health insurance coverage	11,475,010	+/-31,632
7	Total:	Male:	Under 6 years:	No health insurance coverage	524,980	+/-14,688
8	Total:	Male:	6 to 18 years:		27,763,413	+/-39,902
9	Total:	Male:	6 to 18 years:	With health insurance coverage	26,211,824	+/-41,684
10	Total:	Male:	6 to 18 years:	No health insurance coverage	1,551,589	+/-24,318
11	Total:	Male:	10 to 25 years:		15,068,681	+/-42,411

Copy →

	A	B	C
1		United States	
2		Estimate	Margin of Error
3	Total:	322,249,485	+/-15,307
4	Male:	157,536,451	+/-30,165
5	Under 6 years:	11,999,990	+/-30,258
6	With health insurance coverage	11,475,010	+/-31,632
7	No health insurance coverage	524,980	+/-14,688
8	6 to 18 years:	27,763,413	+/-39,902
9	With health insurance coverage	26,211,824	+/-41,684
10	No health insurance coverage	1,551,589	+/-24,318

Feature	What is it best used for?	Major Limitations
Download	<ul style="list-style-type: none"> <li>• Best for users who are manipulating the data</li> <li>• Only option available for large tables</li> </ul>	<ul style="list-style-type: none"> <li>• Output does not resemble the table view on the screen</li> <li>• Includes exclamation points and question marks in headers to make it machine readable</li> </ul>
Export	<ul style="list-style-type: none"> <li>• When you want to view the table in Excel</li> <li>• Small tables (less than 400 rows by 400 columns) that are being shared or displayed</li> </ul>	<ul style="list-style-type: none"> <li>• Not available in conjunction with large tables</li> <li>• Row headers are not always nested</li> <li>• May require manual work before sharing or displaying the output</li> </ul>
Copy	<ul style="list-style-type: none"> <li>• Small tables or parts of a table that are being shared or displayed</li> </ul>	<ul style="list-style-type: none"> <li>• Not available in conjunction with large tables</li> </ul>

## ❖ Download, Export and Copy:

Which of these will keep customizations?

What are the future plans for improving these features?

Feature	What customizations will carry over to the output?
Download	<ul style="list-style-type: none"> <li>• No customizations will carry over to the downloaded table</li> <li>• Best to download the table first and then apply any desired customizations</li> </ul>
Export	<ul style="list-style-type: none"> <li>• Any estimates hidden using custom filters will not appear in the exported table</li> <li>• Transposed table will appear as transposed in the exported table</li> </ul>
Copy	<ul style="list-style-type: none"> <li>• Hidden columns will not appear in the copied table</li> <li>• Margins of error columns that are removed will not appear in the copied table</li> <li>• Any estimates hidden using custom filters will not appear in the copied table</li> <li>• Transposed table will appear as transposed in the copied table</li> </ul>

# What are the future plans for improving these features?

We would like to use a software integrated into [data.census.gov](https://data.census.gov) to allow for download and print features. We'll keep everyone updated on this.

# ❖ Why is the sort order incorrect in some of the downloaded tables?

	A	B	C	D	E	F	G
1	GEO_ID	NAME	S0103 C01 049M	S0103 C01 050E	S0103 C01 050M	S0103 C01 051E	S0103 C01 051M
2	id	Geograph	Total!!Margin of Er	Total!!Estimate!!RE	Total!!Margin of Er	Total!!Estimate!!R	Total!!Margin of Er
3	0400000U	Nevada	0.7	5.5	0.4	0.9	0.1
4							

Due to a technical change that we had to make for the API, the prescribed sort order functionality that we had before was lost. We are looking into other ways to force a prescribed sort order, but we're concerned with how it may affect performance.

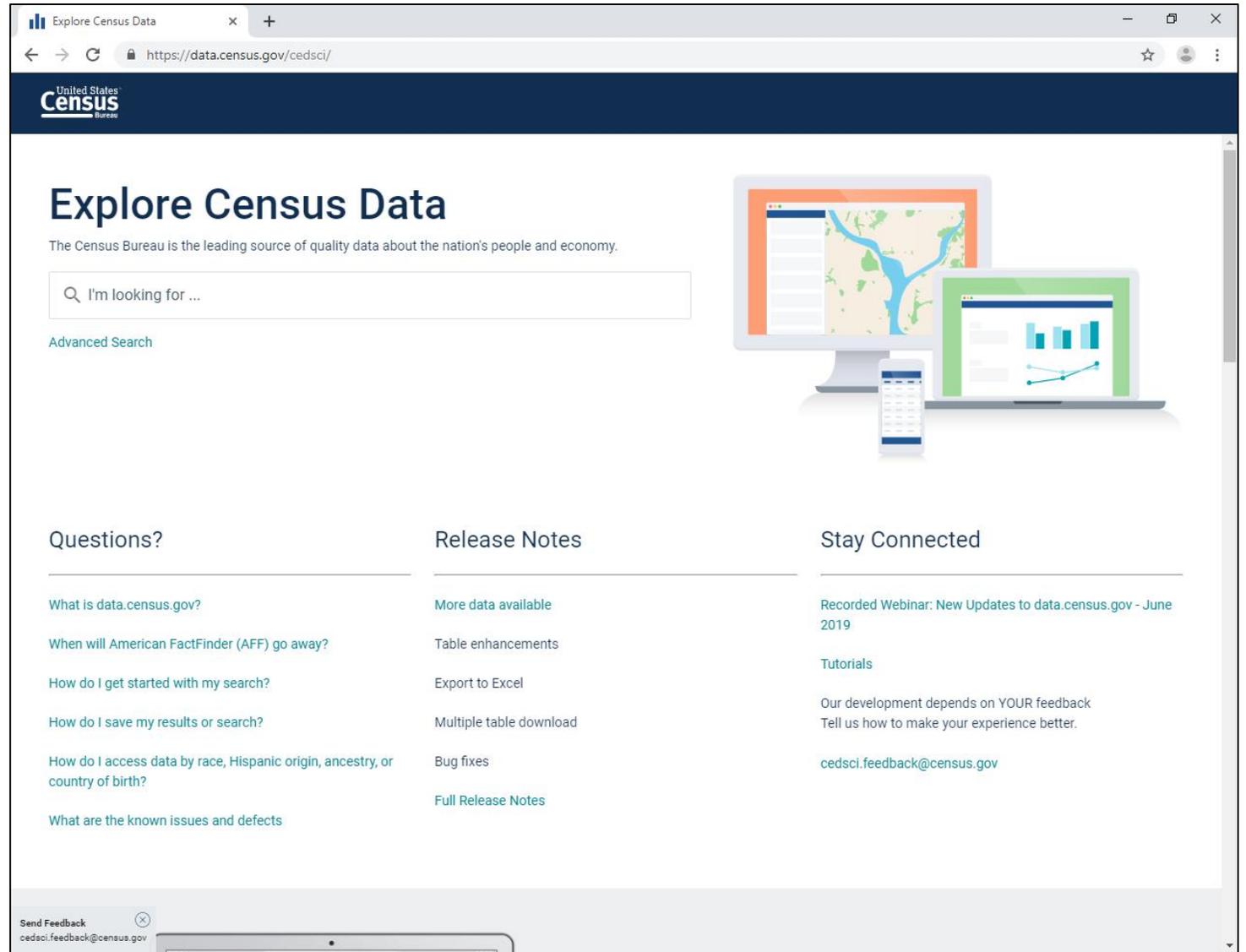
❖ I need a PDF of a table to print and share. What can I do?





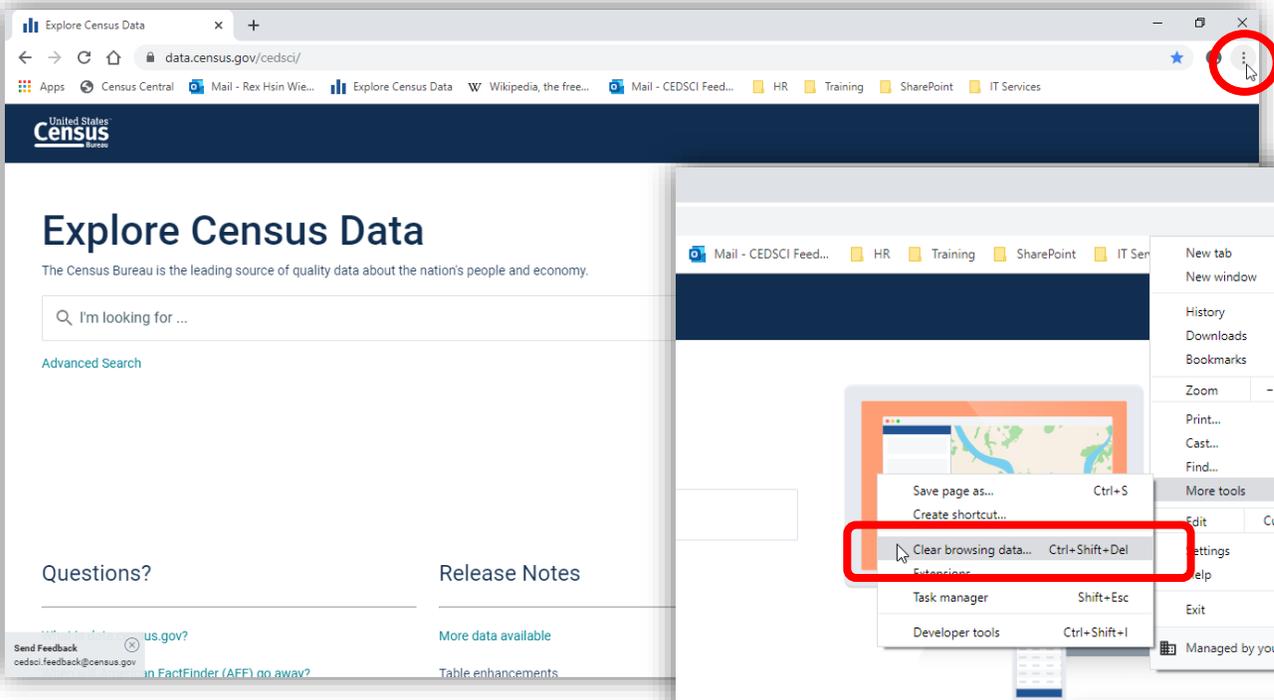
❖ Chrome is the preferred browser.  
What happens if I use a different browser?

What should I do if it doesn't work in Chrome?



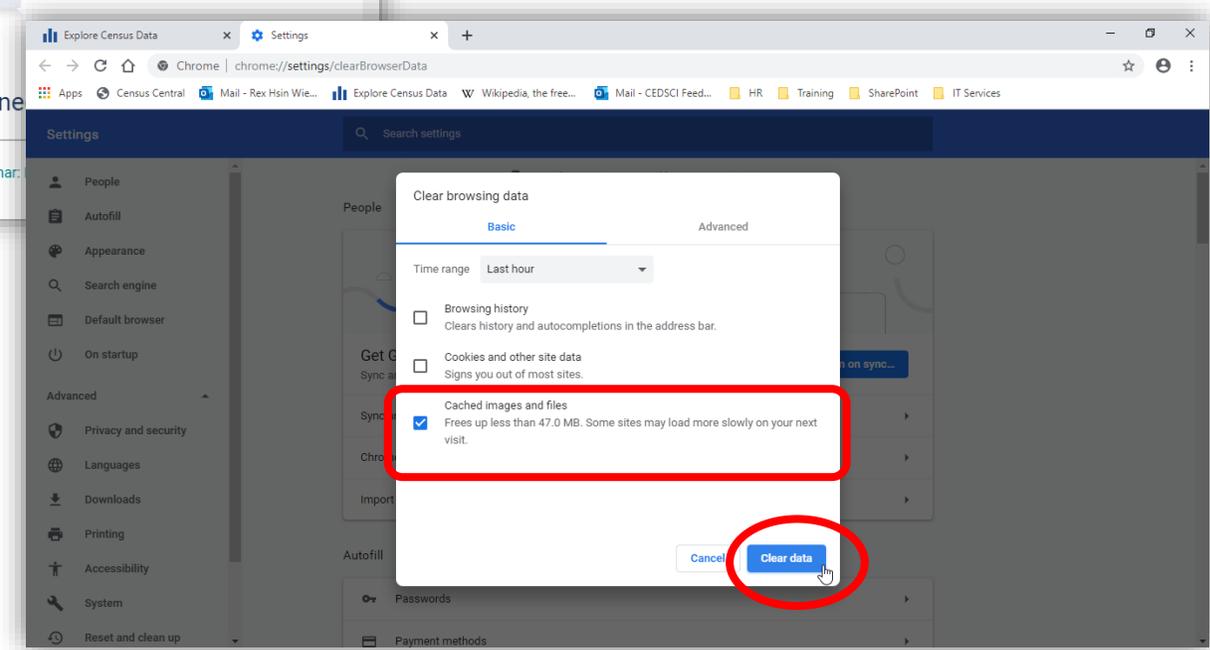
We recommend Chrome, as our testing has shown that performance is best in Chrome. Since most of our users use [data.census.gov](https://data.census.gov) with Chrome, it makes sense for us to focus our efforts on working within this browser.

If [data.census.gov](https://data.census.gov) won't work in Chrome or something isn't coming up, we suggest that you try clearing the cache.



## Steps for clearing your cache in Chrome:

- 1) In the top right corner of the Chrome browser, click on the “three dots.”
- 2) Click “More tools,” and click on “Clear browsing data...”
- 3) Select “Cached images and files,” and click “Clear data” button.



❖ What should I do if I run into intermittent responses?

We have worked hard to make sure hardware is increased and inefficiencies on our end have been addressed.

If you experience any problems, we recommend that you ensure you are working in Chrome, clear the cache, and restart the browser, if necessary.

The latest fixes that we have released should have corrected existing problems. However, if you are still experiencing any issues, please email the steps that you took and screenshots to [cedsci.feedback@census.gov](mailto:cedsci.feedback@census.gov) so we can investigate the problem.

❖ Why did we decide to switch from AFF to data.census.gov when we don't have all of the major functionality built into it yet?

The intention behind moving from AFF to data.census.gov is to allow more flexibility with our data. Users can access single estimates with the Census API. Not only does the Census API drive data.census.gov, but it also drives other applications. Third parties can use our data to create their own dashboards and visualizations.

FactFinder was over ten years old and it was getting old and outdated. The Census Bureau is actively moving away from single tools with static tables to something flexible that allows the data to be used in more diverse ways.

If you have any questions or comments about data.census.gov, please email us at [cedsci.feedback@census.gov](mailto:cedsci.feedback@census.gov) so we can assist you.

- ❖ American FactFinder is scheduled to be taken offline in March 2020.

What happens if the data and functionality isn't available in [data.census.gov](https://data.census.gov) by that time?

American FactFinder was retired earlier this year and no new data has been released on it. It is expected to be taken offline in March 2020. We will ensure that all data is still accessible in some way, whether it is through [data.census.gov](https://data.census.gov), the Census API, or an FTP page.

We already have some similar functionality available through [data.census.gov](https://data.census.gov). We will keep you updated on the progress of adding additional functionality.

❖ Will early American Community Survey data available in AFF be moved to [data.census.gov](https://data.census.gov) before it is taken offline?

Even with AFF being taken online, we won't leave you without access to the data. Although some data has already been migrated to data.census.gov, other data may only be available through the Census API.

Due to limited resources of the Census Bureau and our data providers, we decided to make data prior to 2010 available only through the Census API, and not through data.census.gov.

We know that some of our users would still like access to this data through data.census.gov, so please email these concerns to [cedsci.feedback@census.gov](mailto:cedsci.feedback@census.gov) so we can forward them to our data providers.

❖ Will older data found through the FTP site, but not in AFF, be available on [data.census.gov](https://data.census.gov)?

We can't provide a definitive answer to this, as it is based on the resources of the individual programs and surveys. At this point, we don't believe this will occur, as it would require the data to be redelivered to our Census API. Redeliveries could mean a considerable amount of work in order to get the data API-ready.

We are not aware of any plans to take data off the FTP sites.

If anything changes in regards to this, we'll let everyone know.

https://www.census.gov/developers/

The screenshot shows the 'United States Census Bureau' website. The top navigation bar includes 'BROWSE BY TOPIC', 'EXPLORE DATA', 'LIBRARY', 'SURVEYS/ PROGRAMS', 'INFORMATION FOR...', 'FIND A CODE', and 'ABOUT US'. A search bar is located in the top right. A prominent orange banner reads: 'We are hiring thousands of people for the 2020 Census. Click to learn more and apply.' Below this, the breadcrumb trail is '// Census.gov > Data > Developers'. The main heading is 'Developers'. A left sidebar lists various sections: 'About this Section', 'API Forum', 'App Gallery', 'Available APIs' (highlighted with a red box), 'Geography', 'Guidance for Developers', 'News', 'Terms of Service', and 'Updates'. The main content area is titled 'Available APIs' and contains the following text: 'We plan on adding more of our publicly available datasets. Here you'll find which of our many data sets are currently available via API. To make specific requests for the release of datasets, please sign up and submit your requests on our [Developer Forum](#).' Below this, a 'NEW' announcement states: 'We now have a machine-readable dataset discovery service available in beta release. Visit our [Discovery Tool](#) page to learn more.' The page is 'Page 1 of 2'. A list of API announcements follows, each with a date and a brief description: 1. 'OCTOBER 17, 2019 American Community Survey 1-Year Data (2011-2018) Areas with populations of 65,000+. Covers a broad range of topics about social, economic, demographic, and housing characteristics of the U.S. population.' 2. 'OCTOBER 18, 2018 American Community Survey 1-Year Supplemental Data (2014 - 2017) High-level detailed tables tabulated on the 1-year microdata for geographies with populations of 20,000 or more.' 3. 'SEPTEMBER 15, 2016 American Community Survey 3-Year Data (2012-2013) Areas with populations of 20,000+. Covers a broad range of topics about social, economic, demographic, and housing characteristics of the U.S. population.' 4. 'DECEMBER 06, 2018 American Community Survey 5-Year Data (2009-2017) Data available down to the block-group level. Covers a range of topics about social, economic, demographic, and housing characteristics of the U.S. population.' A 'Request a KEY' button is visible in the sidebar. A 'Back to Developers' link is also present. In the bottom right corner, there is a 'Is this page helpful?' survey with 'Yes' and 'No' options.

❖ What is the Census API?

How is it related to data.census.gov?

The Census API is the basis for everything we do. It is the underlying source that not only feeds data.census.gov, but also feeds third-party dashboards, tools, and data visualizations. The API is a service that disseminates raw, unformatted data to applications. Users can then use this raw data for their own purposes.

Data.census.gov ingests the API data and disseminates it the same way that a third party does. If the API isn't functioning properly, data.census.gov will not be able to pull any estimates.

❖ Are there any plans to create a tool that accesses the data without needing to query the API?

There are no plans to create a tool that does this.

❖ If I don't want tabulated tables, like those found in [data.census.gov](https://data.census.gov), what are my other options?

Survey/Program: Economic Census  
Years: 2012 Table: EC1231SX1

Manufacturing: Subject Series: Industry-Product Analysis: Products Shipments and Receipts for Services by Contributing Industry: 2012

Survey/Program: Economic Census  
Years: 2012 Table: EC1231SX2

VIEW ALL MAPS (2438)

## Pages

### PUMS Documentation

Survey Public Use Microdata Sample (PUMS) files...Survey (ACS) > Technical Documentation > PUMS Documentation We are hiring thousands...File Data Summary File Documentation PUMS Data Variance Replicate Tables Race/Ethnicity

### PUMS Data

Access ACS Public Use Microdata Sample (PUMS) data available through the American...> American Community Survey Data > PUMS Data We are hiring thousands of people...File Data Summary File Documentation PUMS Data Variance Replicate Tables Race/Ethnicity

### About PUMS

...the ACS Public Use Microdata Sample (PUMS) files, including an explanation of...Technical Documentation > PUMS Documentation > About PUMS American Community Survey...File Data Summary File Documentation PUMS Data Variance Replicate Tables Race/Ethnicity

VIEW ALL PAGES (1)

One way is to access the PUMS files. Go to data.census.gov and search for "PUMS" using the single search bar. Scroll down to the Page results.

// Census.gov > Our Surveys & Programs > American Community Survey (ACS) > American Community Survey Data > PUMS Data

Data Tables & Tools

Data via FTP

Summary File Data

**PUMS Data**

Variance Replicate Tables

Race/Ethnicity and American Indian & Alaska Native Data

Custom Tables

< Back to American Community Survey Data



## PUMS Data



Supporting documentation for the data below is available on the [PUMS Documentation](#) page.



### Available on the FTP site

PUMS files back to 2005 are available in CSV and SAS formats

[2018 ACS PUMS](#)

[2017 ACS PUMS](#)

[2016 ACS PUMS](#)

[2015 ACS PUMS](#)

### PUMS on data.census.gov

Microdata access from 2005-current is now available on data.census.gov in beta.

[2018 ACS 1-year PUMS](#)

[2013-2017 ACS 5-year PUMS](#)

### Related Information

[Share Your ACS Data Story](#)

[Contact Us](#)

[Introduction to the Public Use Microdata Sample \(PUMS\) File](#)

### You May Be Interested In

RELATED TOPICS

[Contact Us](#)

[AROUND THE BUREAU Email Updates](#)

MOST POPULAR

[Share Your ACS Data Story](#)

Name	Last modified	Size	Description
Parent Directory		-	
1-Year/	12-Nov-2019 08:34	-	

MDAT

https://data.census.gov/mdat/#/

United States <sup>BETA</sup>  
**Census**  
Bureau

Explore Data

## Select a Dataset & Vintage

Select Dataset

Select Vintage

- ACS 1-Year Estimates - Public Use Microdata Sample
- ACS 1-Year Estimates - Puerto Rico Public Use Microdata Sample
- ACS 5-Year Estimates - Public Use Microdata Sample
- ACS 5-Year Estimates - Puerto Rico Public Use Microdata Sample
- CPS Annual Social and Economic (March) Supplement
- CPS Basic Monthly

Send Feedback  
cedsci.feedback@census.gov

Another way is to access the PUMS files through Microdata Access.  
<https://data.census.gov/mdat>

This is the replacement tool for DataFerrett.

Step-by-step directions for using Microdata Access:  
<https://www2.census.gov/data/api-documentation/using-microdata-access/microdata-access-1-year-acp-pums.pdf?#>

# ❖ Why can't I find the scroll bar?

	United States
	Estimate
No health insurance coverage	2,643,548
▼ 35 to 44 years:	20,721,461
With health insurance coverage	18,223,897
No health insurance coverage	2,497,564
▼ 45 to 54 years:	21,015,578
With health insurance coverage	18,901,767
No health insurance coverage	2,113,811
▼ 55 to 64 years:	21,799,115
With health insurance coverage	20,114,003
No health insurance coverage	1,685,112
▼ 65 to 74 years:	16,136,963
With health insurance coverage	15,981,409
No health insurance coverage	155,554
▼ 75 years and over:	12,180,573
With health insurance coverage	12,112,464
No health insurance coverage	68,109

To locate the bottom scroll bar, go to the Customize Table view and scroll down to the bottom of the table.

❖ How do I access data by race, Hispanic Origin, ancestry, or country of birth?

# Example: Accessing data for a basic race group

The screenshot displays a multi-step data selection process. On the left, under 'BROWSE FILTERS', the 'Topics' filter is selected. In the center, under 'TOPICS', the 'Race and Ethnicity' filter is selected. On the right, under 'RACE AND ETHNICITY', the 'Asian' filter is selected. Finally, on the far right, under 'ASIAN', the 'Asian' filter is selected, and a mouse cursor is hovering over it.

**BROWSE FILTERS**

- Topics
- Geography
- Years
- Surveys
- Codes

**TOPICS**

- Business and Economy
- Education
- Employment
- Families and Living Arrangements
- Government
- Health
- Housing
- Income and Poverty
- Populations and People
- Race and Ethnicity

**RACE AND ETHNICITY**

- 02 - All available basic races alone or in combination
- 03 - All available basic race combinations
- American Indian and Alaska Native
- Asian
- Black or African American
- Hispanic or Latino
- Native Hawaiian and Other Pacific Islander
- Native Hawaiian and Pacific Islander
- Not Hispanic or Latino
- Some Other Race
- Two or More Races
- White

**ASIAN**

- Asian
- 04 - All available detailed Asian races
- 012 - Asian alone (400-499)
- 031 - Asian alone or in combination with one or more other races (400-499) & (100-299) or (300, A01-Z99) or (400-999)
- 
- Detailed Asian Alone
- Detailed Asian Alone or in Any Combination

# Example: Accessing data for a detailed race groups (Japanese alone)

**Advanced Search**

Narrow search with filters

FIND A FILTER

e.g. 336111 - Automobile Manufacturing

**BROWSE FILTERS**

- Topics**
- Geography
- Years
- Surveys
- Codes

**TOPICS**

- Business and Economy
- Education
- Employment
- Families and Living Arrangements
- Government
- Health
- Housing
- Income and Poverty
- Populations and People

**RACE AND ETHNICITY**

- alone
- 02 - All available basic races alone or in combination
- 03 - All available basic race combinations
- American Indian and Alaska Native
- Asian**
- Black or African American
- Hispanic or Latino
- Native Hawaiian and Other Pacific Islander
- Native Hawaiian and Pacific

**ASIAN**

- Asian
- 04 - All available detailed Asian races
- 012 - Asian alone (400-499)
- 031 - Asian alone or in combination with one or more other races (400-499) & (100-299) or (300, A01-Z99) or (400-999)
- Detailed Asian Alone**
- Detailed Asian Alone or in Any Combination

**DETAILED ASIAN ALONE**

- 018 - Japanese alone (414-419)
- 019 - Filipino alone (420-421)
- 020 - Hmong alone (422)
- 021 - Indonesian alone (423-429)
- 022 - Japanese alone (430-439)
- 023 - Korean alone (440-441)
- 024 - Laotian alone (442)
- 025 - Malaysian alone (443)
- 026 - Pakistani alone (445)

Selected Filters: 022 - Japanese alone (430-439) x

CLEAR FILTERS SEARCH MORE

# Example: Accessing data for Hispanic origin

The screenshot displays the Census data browser interface with four main sections:

- BROWSE FILTERS:** A vertical list of filter categories including Topics, Geography, Years, Surveys, and Codes. The **Topics** filter is highlighted with a red box.
- TOPICS:** A list of subject areas including Business and Economy, Education, Employment, Families and Living Arrangements, Government, Health, Housing, Income and Poverty, and Populations and People. The **Race and Ethnicity** topic is highlighted with a red box.
- RACE AND ETHNICITY:** A list of race and ethnicity categories with checkboxes. The **Hispanic or Latino** category is highlighted with a red box.
- HISPANIC OR LATINO:** A list of specific Hispanic or Latino data categories. The **Hispanic or Latino** category is checked and highlighted with a red box. Other categories include: -09 - All available Hispanic Origin, -0B - All available Hispanic Origin by Race, and 400 - Hispanic or Latino (of any race) (200-299). Below these are links for Detailed Hispanic or Latino and Detailed Hispanic or Latino by Race.

# Example: Accessing data for a detailed population groups (ancestry - Romanian)

The screenshot displays the U.S. Census Bureau data browser interface with the following sections and items:

- BROWSE FILTERS:** Topics (highlighted with a red box), Geography, Years, Surveys, Codes.
- TOPICS:** Business and Economy, Education, Employment, Families and Living Arrangements, Government, Health, Housing, Income and Poverty, Populations and People (highlighted with a red box), Race and Ethnicity.
- POPULATIONS AND PEOPLE:** Populations and People, Age and Sex (highlighted with a red box), Ancestry (highlighted with a red box), Computer and Internet Use, Counts, Estimates, and Projections, Language Spoken at Home, Native and Foreign Born, Older Population, Population Change and Components, Residential Mobility, Veterans, Voting and Registration.
- ANCESTRY:** 552 - Portuguese (084-086), 361 - Romani (124), 553 - Romanian (144-147) (checked and highlighted with a red box), 554 - Russian (148-151), 555 - Scandinavian (098), 556 - Scotch-Irish (087), 557 - Scottish (088), 558 - Serbian (152), 559 - Slavic (178-180), 560 - Slovak (153), 561 - Slovene (154-155), 562 - Sub-Saharan African (All groups [500-599]), 305 - Cameroonian (508).

# Example: Accessing data for a detailed population group (country of birth – China)

The screenshot displays a multi-column navigation menu for the U.S. Census Bureau. The path to the '762 - China' data group is highlighted with red boxes. The path consists of the following steps:

- BROWSE FILTERS**: **Topics**
- TOPICS**: **Populations and People**
- POPULATIONS AND PEOPLE**: **Native and Foreign Born**
- NATIVE AND FOREIGN BORN**: **Foreign Born**
- FOREIGN BORN**: **Asia**
- ASIA**: **Eastern Asia**
- EASTERN ASIA**: **762 - China** (checked)

# ❖ When will data from the 2020 Census be available through [data.census.gov](https://data.census.gov)?

We anticipate that data from the 2020 Census will be available through [data.census.gov](https://data.census.gov) in 2021. No specific date is available yet.

- ❖ Some tables return a generic “Data Not Available” message. How can I tell if the data is not publicly available or just not available through [data.census.gov](https://data.census.gov)?

There's often two different reasons for receiving this message. The first is if, when data.census.gov went to pull from the API, there was a failure. In these cases, if you try again, it will usually work.

The other reason is that there could be a data quality concern. The methodology differs according to the survey, program, and dataset.

We know that it can be difficult to tell the reason for why the message occurred. In the coming months, we will continue to work on improving our messaging.

# ❖ How can I do an address lookup?

# Census Geocoder Address Lookup

Find the block group and census tract for an address:

- Click **Address** under “Find Geographies Using...”
- Enter street address (example: **2300 Empire Ave, Burbank, CA 91504**)
- Click **Find**

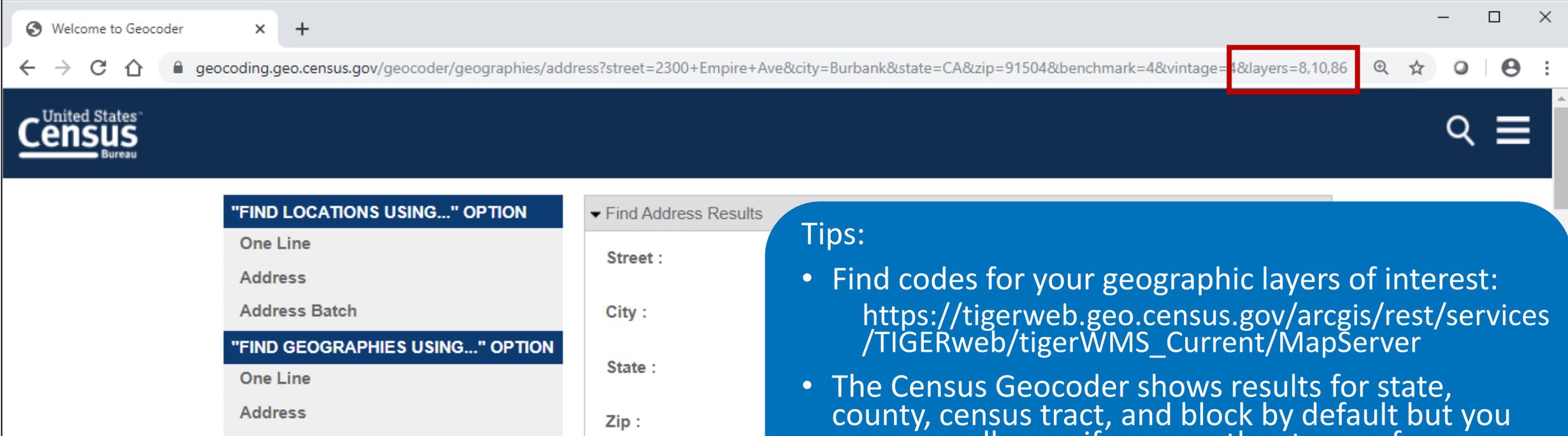
The screenshot displays the Census Geocoder interface. On the left, a navigation menu is visible with three main sections: "FIND LOCATIONS USING..." OPTION, "FIND GEOGRAPHIES USING..." OPTION, and "ABOUT DATA...". Under "FIND GEOGRAPHIES USING..." OPTION, the "Address" option is highlighted with a red box. The main content area is titled "Find Address Results" and contains a form with the following fields: "Street" (2300 Empire Ave), "City" (Burbank), "State" (CA), "Zip" (91504), "Benchmark" (Public\_AR\_Current), and "Vintage" (Current\_Current). A "FIND" button is located at the bottom of the form, also highlighted with a red box.

[geocoding.geo.census.gov/geocoder](https://geocoding.geo.census.gov/geocoder)

# Census Geocoder Address Lookup (continued)

**Edit URL to get results for block group (8), census tract (10) and county (86)**

- Add **&layers=8,10,86** to the end of the URL
- Press **enter**



The screenshot shows a web browser window with the URL `geocoding.geo.census.gov/geocoder/geographies/address?street=2300+Empire+Ave&city=Burbank&state=CA&zip=91504&benchmark=4&vintage=4&layers=8,10,86`. The `&layers=8,10,86` portion is highlighted with a red box. The page content includes the United States Census Bureau logo, search options, and a results section titled "Find Address Results" with fields for Street, City, State, and Zip.

## Tips:

- Find codes for your geographic layers of interest:  
[https://tigerweb.geo.census.gov/arcgis/rest/services/TIGERweb/tigerWMS\\_Current/MapServer](https://tigerweb.geo.census.gov/arcgis/rest/services/TIGERweb/tigerWMS_Current/MapServer)
- The Census Geocoder shows results for state, county, census tract, and block by default but you can manually specify many other types of geographies by editing the URL

# Census Geocoder Address Lookup (continued)

- View the **NAME** section under the headings for **Census Block Groups, Census Tracts, and Counties**
- The street address falls within **Block Group 1, Census Tract 3105.01, Los Angeles County**

Census Block Groups:  
GEOID: 060373105011  
CENTLAT: +34.1917479  
AREAWATER: 0  
STATE: 06  
BASENAME: 1  
OID: 208903717305468  
LSADC: BG  
FUNCSTAT: S  
INTPTLAT: +34.1917479  
**NAME: Block Group 1**  
OBJECTID: 45724  
TRACT: 310501  
CENTLON: -118.3325451  
BLKGRP: 1  
AREALAND: 778981  
INTPTLON: -118.3325451  
MTFCC: G5030  
COUNTY: 037

Census Tracts:  
GEOID: 06037310501  
CENTLAT: +34.1946547  
AREAWATER: 0  
STATE: 06  
BASENAME: 3105.01  
OID: 207903717303996  
LSADC: CT  
FUNCSTAT: S  
INTPTLAT: +34.1946547  
**NAME: Census Tract 3105.01**  
OBJECTID: 35153  
TRACT: 310501  
CENTLON: -118.3394509  
AREALAND: 1965651  
INTPTLON: -118.3394509  
MTFCC: G5020  
COUNTY: 037

Counties:  
GEOID: 06037  
CENTLAT: +34.1957768  
AREAWATER: 1793485467  
STATE: 06  
BASENAME: Los Angeles  
OID: 275901063468976  
LSADC: 06  
FUNCSTAT: A  
INTPTLAT: +34.1963983  
**NAME: Los Angeles County**  
OBJECTID: 398  
CENTLON: -118.2617650  
COUNTYCC: H1  
COUNTYNS: 00277283  
AREALAND: 10511861492  
INTPTLON: -118.2618616  
MTFCC: G4020  
COUNTY: 037

[geocoding.geo.census.gov/geocoder/geographies/address?street=2300+Empire+Ave&city=Burbank&state=CA&zip=91504&benchmark=4&vintage=4&layers=8,10,86](https://geocoding.geo.census.gov/geocoder/geographies/address?street=2300+Empire+Ave&city=Burbank&state=CA&zip=91504&benchmark=4&vintage=4&layers=8,10,86)

## ❖ Can my AFF URL redirect me to a [data.census.gov](https://data.census.gov) URL?

We are working on creating redirects right now, but we're not there yet. We'll let everyone know when it's available.

In the meantime, it is a good practice to update URLs as you work within [data.census.gov](https://data.census.gov)

❖ Where can I find a geographic comparison table (GCT) in [data.census.gov](https://data.census.gov)?

ALL TABLES **MAPS** PAGES

### Total—Civilian Noninstitutionalized Population—Estimate

Survey/Program: American Community Survey  
Data Variable: Total—Civilian noninstitutionalized pop

Product: 2017: ACS 5-Year Estimates Subject T  
Geographies: County

**CUSTOMIZE MAP**

78 Results [Filter](#) | [Download](#)

#### TYPE AND SELECTED CHARACTERISTICS

Survey/Program: American Community Survey  
Years: 2018,2017,2016,2015  
Table: S2704

#### PUBLIC HEALTH INSURANCE STATUS BY SEX BY AGE

Survey/Program: American Community Survey  
Years: 2018,2017,2016,2015,2014,2013,2012,2011,2010  
Table: B27003

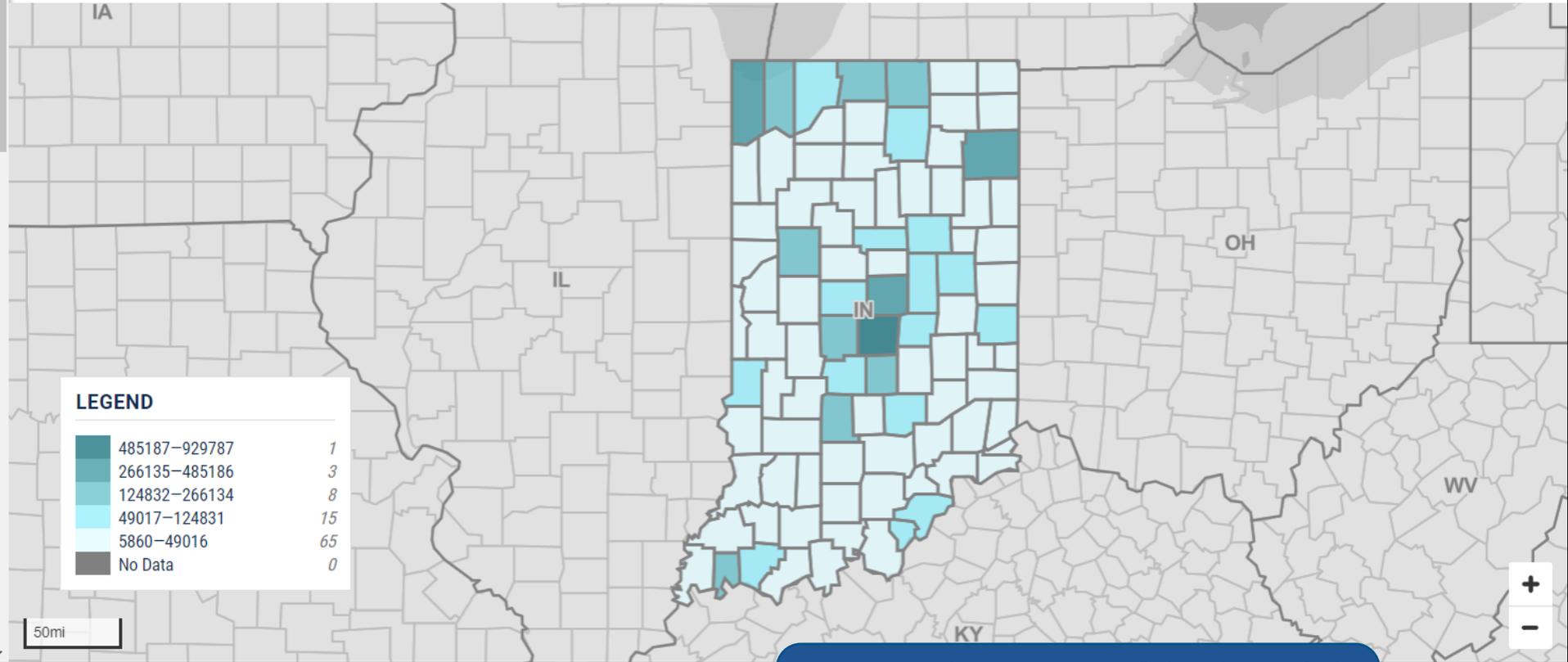
#### PUBLIC HEALTH INSURANCE BY WORK EXPERIENCE BY SEX

Survey/Program: American Community Survey  
Years: 2018,2017,2016,2015,2014,2013,2012,2011,2010  
Table: B27014

#### PUBLIC HEALTH INSURANCE BY RATIO OF INCOME TO POVERTY LEVEL IN THE PAST

Send Feedback  
cedsci.feedback@census.gov

Select Clear Geos Identify Filters Download Print Share Table Chart Data Notes



Once you have a map of the data, click on the CUSTOMIZE MAP button in the upper right corner.

// Search / Map / S2704

### Total—Civilian Noninstitutionalized Population—Estimate

Survey/Program: American Community Survey  
Product: 2017: ACS 5-Year Estimates Subj...  
Data Variable: Total—Civilian noninstitutionaliz...  
Geographies: County

CLEAR GEOGRAPHIES

#### Legend

485187—929787	1
266135—485186	3
124832—266134	8
49017—124831	15
5860—49016	65
No Data	0

*Italicized numbers indicate the number of geography areas in each data class.*



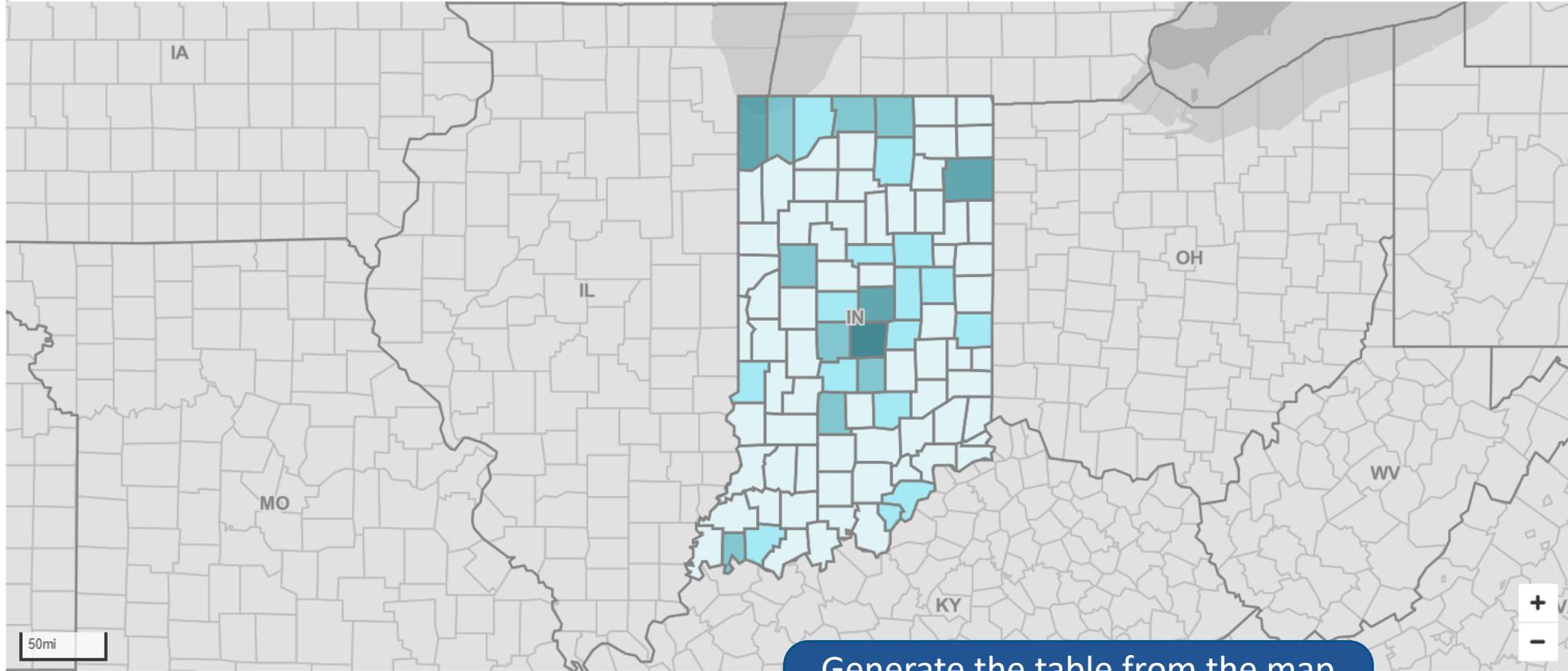
VIEW TABLE

### Total—Civilian Noninstitutionalized Population—Estimate

Survey/Program: American Community Survey  
Data Variable: Total—Civilian noninstitutionalized population

Product: 2017: ACS 5-Year Estimates Subject Tables  
Geographies: County

Select Clear Geos Identify Filters Download Print Share Table Chart Data Notes



Generate the table from the map view by clicking on the VIEW TABLE button.

// Search / Map / S2704

### Total—Civilian Noninstitutionalized Population—Estimate

Survey/Program: American Community Survey  
 Product: 2017: ACS 5-Year Estimates Subj...  
 Data Variable: Total—Civilian noninstitutionaliz...  
 Geographies: County

CLEAR GEOGRAPHIES

### Total—Civilian Noninstitutionalized Population—Estimate

Survey/Program: American Community Survey  
 Data Variable: Total—Civilian noninstitutionalized populatio...  
 Product: 2017: ACS 5-Year Estimates Subject Tables  
 Geographies: County

- Select
- Clear Geos
- Identify
- Filters
- Download
- Print
- Share
- Table
- Chart
- Data Notes



### Legend

485187–929787	1
266135–485186	3
124832–266134	8
49017–124831	15
5860–49016	65
No Data	0

*Italicized numbers indicate the number of geography areas in each data class.*



VIEW TABLE

### Map Table

GO TO FULL TABLE

HIDE

Geography	Civilian noninstitutionalized population—Estimate
Blackford County, Indiana	12054
Carroll County, Indiana	19882
Scott County, Indiana	23334
Harrison County, Indiana	39182
Wayne County, Indiana	65748
Hendricks County, Indiana	

To view the full table that the estimates are extracted from, click on the GO TO FULL TABLE button.

# ❖ Where can I find training and resources on using ❖ data.census.gov and Microdata Access?

**data.census.gov Resources page**  
<https://census.gov/data/what-is-data-census-gov.html>

Release Notes & FAQs:  
[data.census.gov/assets/releases/notes/faqs-release-notes.pdf](https://data.census.gov/assets/releases/notes/faqs-release-notes.pdf)

The screenshot displays the data.census.gov website with the following sections:

- Frequently Asked Questions**
  - How is data.census.gov built?**  
Using an Agile development process, data.census.gov is being built with the user experience in mind.
  - What data are available?**  
We continue to migrate data from Amer...
  - When will American FactFinder...**  
American FactFinder is no longer releas...
  - What are the known limitations**  
As a developing site, all of the functiona...
- Data Gems**
  - DATA-TOOL**  
**How to Visualize Data for Your Area on data.census.gov**  
Discover how to visualize the most popular statistics for your area through the data visualization profiles on data.census.gov.
- Using data.census.gov**
  - Using data.census.gov - Accessing Race Iterated Tables [< 1.0 MB]
  - Using data.census.gov - Advanced Search [< 1.0 MB]
  - Using data.census.gov - All Results Page [< 1.0 MB]
  - Using data.census.gov - Copying Cells and Headers [< 1.0 MB]
  - Using data.census.gov - Customize Table [1.1 MB]
  - Using data.census.gov - Download [1.5 MB]
  - Using data.census.gov - People in Poverty - Exercise [< 1.0 MB]
  - Using data.census.gov - Export a Table [< 1.0 MB]
  - Using data.census.gov - Geographic Profiles [< 1.0 MB]
  - Using data.census.gov - Landing Page [< 1.0 MB]
  - Using data.census.gov - Mapping [2.3 MB]
  - Using data.census.gov - Resources Page [< 1.0 MB]
  - Using data.census.gov - Search Grocery Stores in Maryland [< 1.0 MB]
  - Using data.census.gov - Single Search [< 1.0 MB]
  - Using data.census.gov - Tips and Tricks [1.6 MB]
- Flyers**
  - Advanced Filters Menu [< 1.0 MB]
  - How to Access Data for AIAN Population Groupings [< 1.0 MB]
  - How to Access Data for Congressional Districts [< 1.0 MB]
  - How to Access Data for State Legislative Districts [< 1.0 MB]
  - How to Access Economic Data Using data.census.gov [< 1.0 MB]
  - How to Access Geographic Comparison Tables [< 1.0 MB]
  - How to Download A Table as a CSV File [1.1 MB]
  - How to Download All Congressional Districts from the Census API [4.6 M]
  - How to Export Tables and Copy Paste Cells [< 1.0 MB]
  - How to Gather Pseudo Geographies All Tracts [1.4 MB]
  - data.census.gov Flyer [< 1.0 MB]
- Using Microdata Access**
  - Using Microdata Access: With ACS 1-Year Estimates - Public Use Microdata Sample [1.5 MB]
- Webinars**
  - TRAINING**  
**data.census.gov: Navigating a New Site for Census Bureau Data**  
Discover how to use data.census.gov, the new site to access Census Bureau data.
  - TRAINING**  
**New Updates to data.census.gov - August 2019**  
Explore the latest updates to data.census.gov, the new site to access Census Bureau data.
  - TRAINING**  
**The 2017 Economic Census First Look: How to Access It On data.census.gov**  
This webinar will provide an overview of the 2017 Economic Census and a demo of how to access the national First Look data on the new data.census.gov platform.

## Feedback

Email your comments to  
[cedsci.feedback@census.gov](mailto:cedsci.feedback@census.gov)

## Learn More and Share

data.census.gov Resources:  
<https://census.gov/data/what-is-data-census-gov.html>

Webinars:  
[census.gov/data/academy/webinars/2019/new-updates-data-census-site.html](https://census.gov/data/academy/webinars/2019/new-updates-data-census-site.html)

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

Release Notes & FAQs:  
[data.census.gov/assets/release-notes/faqs-release-notes.pdf](https://data.census.gov/assets/release-notes/faqs-release-notes.pdf)

## Stay in Touch

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