

Accessing Census Data in 2019: The Transition to data.census.gov

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U.S. Census Bureau

Outline

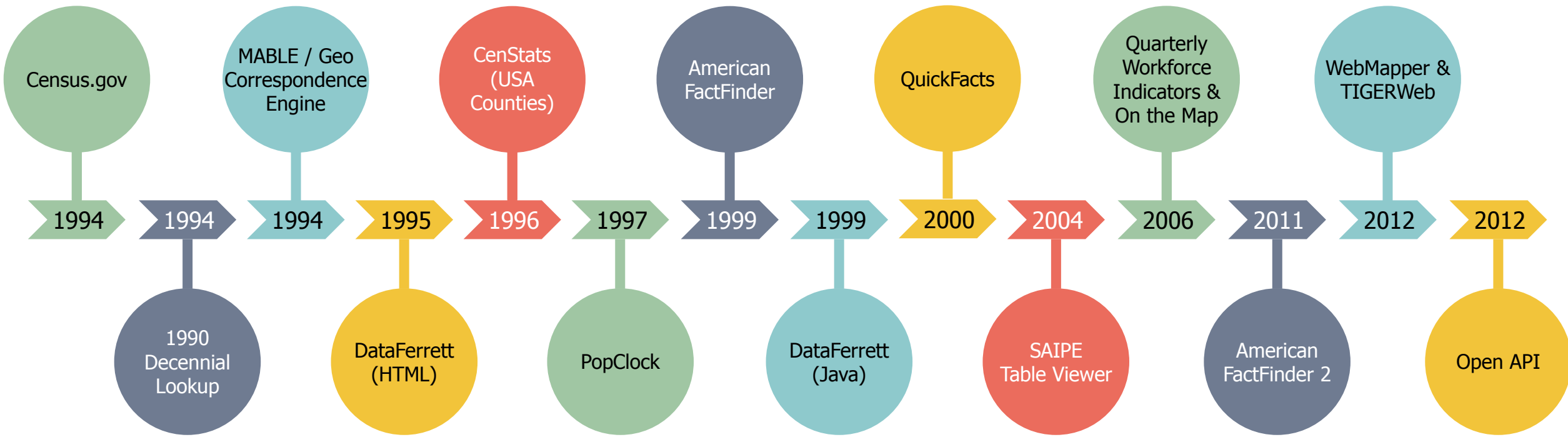
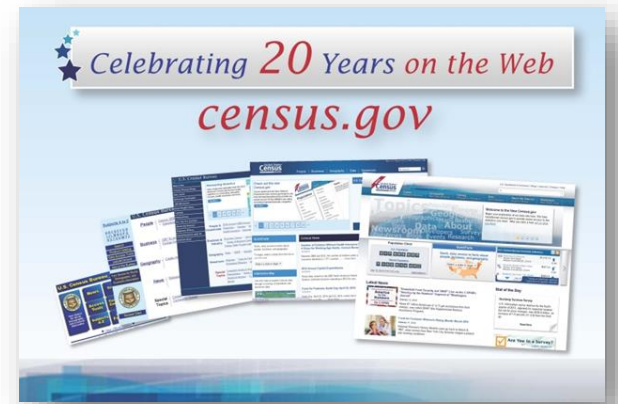
- Vision
- Current Snapshot
- Using data.census.gov: Tips/tricks & live demo
- Looking Ahead
- Q&A

Census Bureau Mission

To serve as the leading source of quality data about the nation's people and economy.

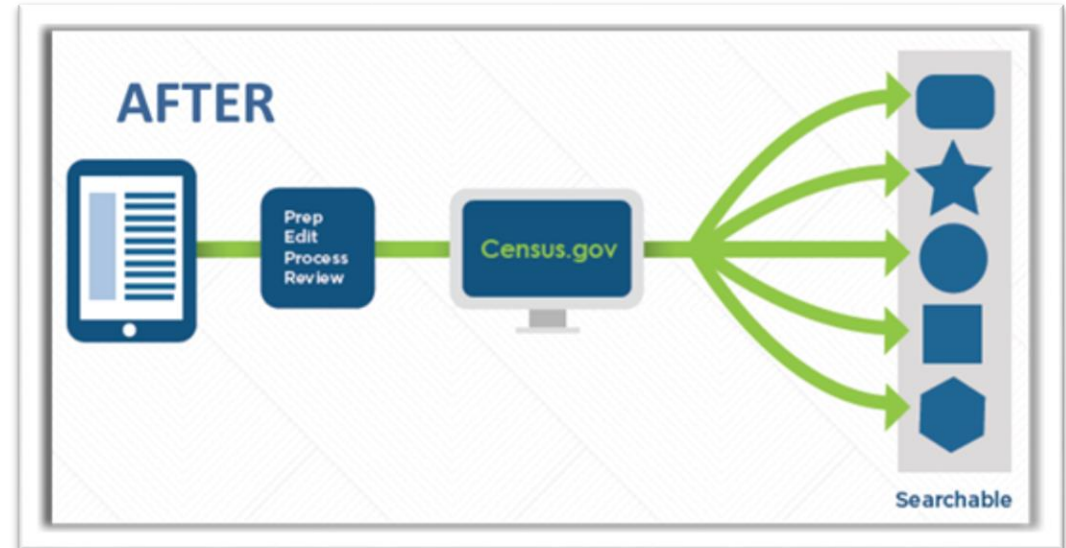
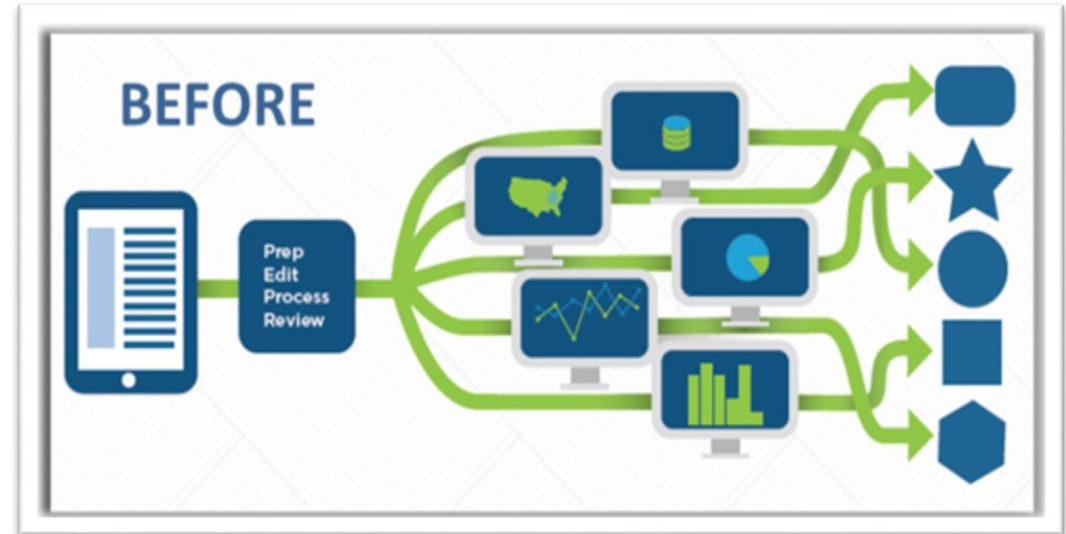


Census Bureau Online History



New Enterprise Dissemination

- ✓ Streamline access to data
- ✓ Maintain the best of our current tools
- ✓ Reduce redundancies and operational costs
- ✓ Provide greater access to Census Bureau API



Vision – Integrate new platform with census.gov

The screenshot displays the U.S. Census Bureau website interface. At the top left is the logo for the United States Census Bureau. To its right is a search bar with a magnifying glass icon and the word "Search". Below the logo and search bar is a horizontal navigation menu with the following items: "BROWSE BY TOPIC", "EXPLORE DATA", "LIBRARY", "SURVEYS/ PROGRAMS", "INFORMATION FOR...", "FIND A CODE", and "ABOUT US".

The main content area is divided into two columns. The left column features a large banner with a background of glowing binary code and a line graph. The text on the banner reads: "U.S. Census Bureau Releases Revised Economic Indicator Calendar". Below this text is a "Read More" button with a right-pointing arrow. At the bottom of the banner, a sub-headline states: "The U.S. Census Bureau announced updates to the 2019 economic indicator release schedule through the March statistical month."

The right column contains two sections. The top section is titled "POPULATION CLOCK" and is dated "March 02, 2019". It features a small image of the Earth and displays the following population figures: "USA 328,511,321" and "World 7,556,229,680". A right-pointing arrow is located to the right of the world population figure.

The bottom section is titled "U.S. CENSUS BUREAU ECONOMIC INDICATORS". It lists two indicators:

- Homeownership Rate**: 64.8% (up 0.6% PTS from the previous period). It is based on the 4th Quarter 2018 Report, released at 10:00 AM EST on 2/28/19.
- Rental Vacancy Rate**: 6.6% (down 0.3% PTS from the previous period). It is based on the 4th Quarter 2018 Report, released at 10:00 AM EST on 2/28/19.

Current Snapshot

Data in the New Platform: American Community Survey

Data Product	2010	2011	2012	2013	2014	2015	2016	2017
Detailed Tables	✓	✓	✓	✓	✓	✓	✓	✓
Subject Tables	✓	✓	✓	✓	✓	✓	✓	✓
Supplemental Tables	–	–	–	–	✓	✓	✓	✓
Selected Population Profiles							✓	✓
Data Profiles	✓	✓	✓	✓	✓	✓	✓	✓
Comparison Profiles	✓	✓	✓	✓	✓	✓	✓	✓
Selected Population Tables (5-Year)		–	–	–	–		–	–
American Indian Alaska Native Tables (5-Year)		–	–	–	–		–	–

ACS data back to 2005 will be added to the API

✓: Available now

Blank cell: Coming soon

Data in the New Platform: Decennial and Econ

Data Product	2010	2011	2012	2013	2014	2015	2016	2017
Decennial Census (Summary File 1, 113 th & 115 th Congress Detailed Tables)	✓	–	–	–	–	–	–	–
Economic Census US Basic Data	–	–	✓	–	–	–	–	
County Business Patterns	–	–	✓	✓	✓	✓	✓	
Non-Employer Statistics	–	–	✓	✓	✓	✓	✓	
Survey of Business Owners (Company Summary & Characteristics of Business Owners)	–	–	✓	–	–	–	–	–

✓: Available now

Blank cell: Coming soon

2019 Milestones

Summer 2019

- **End of new data releases on American FactFinder**
- **First data releases exclusively on new platform (Nonemployer, Public Sector)**

Fall 2019

Major data releases:

- **2018 ACS**
- **2017 Economic Census**

Feedback on data.census.gov we recently implemented

“No easy way to change years or datasets when looking at a table.”

“Advanced Search: Find results with...is very confusing.”

“The table names are truncated and you have to do a lot of clicking to find the table you need.”

“There seems to be a lot of white space in the tables, limiting how much is visible when first navigating to the table.”

“Occasionally I had to wait five whole minutes for it to load. The system was often slow and froze.”

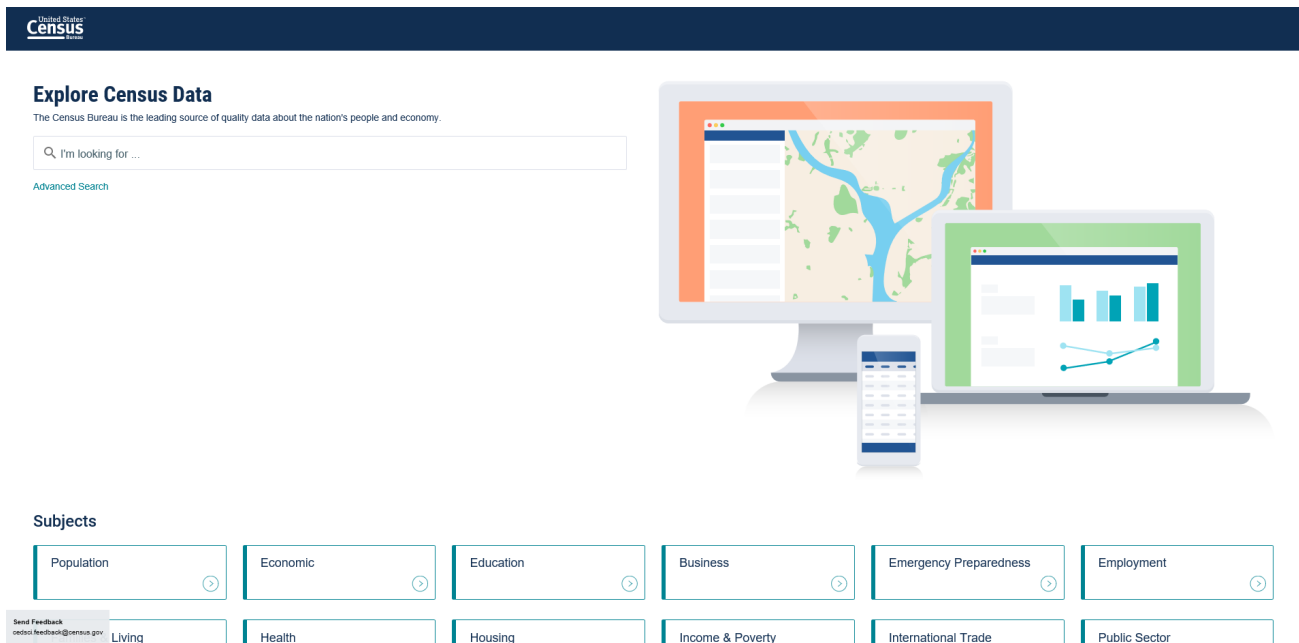
“If you hadn't said something about the tiny "t", I would have kept thinking that the only data loaded in EDDE were data for 2017 ACS 1-Year.”

“Seems to be no back buttons to change search variables, just browser buttons.”



Tips & Tricks and Live Demo

Single Search - Quick Wins for All Users



Use for quick wins to find things like:

- **Simple statistics**
e.g. health insurance in Arizona
- **Profile for a single geography**
e.g. Arizona profile
- **NAICS**
531110
- **Table ID**
B19001
- **Groups of tables**
CP

Search for Groups of Tables

CP: Provides all 5 Comparison Profiles

Search results for 'cp' showing 5 results. The first result is 'COMPARATIVE SOCIAL CHARACTERISTICS IN THE UNITED STATES' with Survey/Program: American Community Survey, Years: 2017,2016,2015,2014,2013,2012,2011,2010, and Table: CP02. The second result is 'COMPARATIVE ECONOMIC CHARACTERISTICS' with Survey/Program: American Community Survey, Years: 2017,2016,2015,2014,2013,2012,2011,2010, and Table: CP03.

B27: Provides all 32 Detailed Tables for Health Insurance

Search results for 'b27' showing 32 results. The first result is 'HEALTH INSURANCE COVERAGE STATUS BY SEX BY AGE' with Survey/Program: American Community Survey, Years: 2017,2016,2015,2014,2013,2012,2011,2010, and Table: B27001. The second result is 'HEALTH INSURANCE COVERAGE STATUS BY AGE (WHITE ALONE)' with Survey/Program: American Community Survey, Years: 2017,2016,2015,2014,2013,2012,2011,2010, and Table: B27001A.

B19001: Provides main table plus race iterations B19001A-I

Search results for 'b19001' showing 13 results. The first result is 'HOUSEHOLD INCOME IN THE PAST 12 MONTHS (IN 2017 INFLATION-ADJUSTED DOLLARS)' with Survey/Program: American Community Survey, Years: 2017,2016,2015,2014,2013,2012,2011,2010, and Table: B19001. The second result is 'HOUSEHOLD INCOME IN THE PAST 12 MONTHS (IN 2017 INFLATION-ADJUSTED DOLLARS) (WHITE ALONE HOUSEHOLDER)' with Survey/Program: American Community Survey, Years: 2017,2016,2015,2014,2013,2012,2011,2010, and Table: B19001A.

Search by NAICS Code (e.g. 4451)

United States **Census** Bureau

4451, all counties in maryland

Search

Geography Area Series: County Business Patterns: 2016

Survey/Program: Economic Annual Surveys Year: 2016 TableID: CB1600A11

[RESTORE TABLE LAYOUT](#) [CHANGE TABLE LAYOUT](#)

Geographic Area Name	2012 NAICS code	Meaning of 2012 NAICS code	Year	Number of establishments	Paid employees for p including March 12 (n
Allegany County, Maryland	4451	Grocery stores	2016	18	
Anne Arundel County, Maryland	4451	Grocery stores	2016	160	
Baltimore County, Maryland	4451	Grocery stores	2016	256	
Calvert County, Maryland	4451	Grocery stores	2016	20	
Caroline County, Maryland	4451	Grocery stores	2016	10	

Advanced Search – More Complex Searches

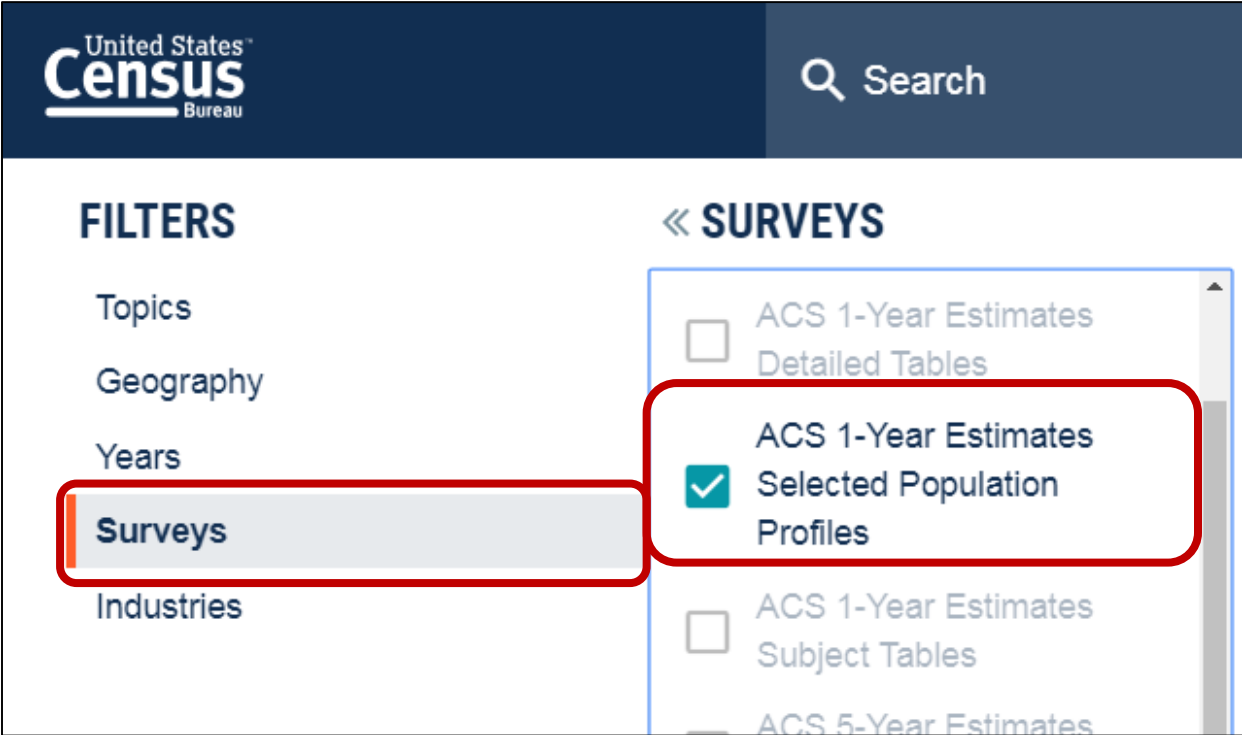
The screenshot shows the U.S. Census Bureau Advanced Search interface. At the top left is the logo for the United States Census Bureau. To the right is a search bar with a magnifying glass icon and the word 'Search'. Below the search bar, there are two main sections: 'FILTERS' and 'TOPICS'. The 'FILTERS' section includes links for Topics, Geography, Years, Surveys, and Industries. The 'TOPICS' section is highlighted with a red rounded rectangle and lists the following categories: Business and Economy, Education, Employment, Families and Living Arrangements, Government, Health, Housing, Income and Poverty, Populations and People, and Race and Ethnicity. At the bottom of the interface, there is a search query input field, a copy icon, and two buttons: 'VIEW QUERY' and 'VIEW ALL RESULTS'.

- **Survey/Program or Table Type**
e.g. ACS 1-Year Detailed Tables
- **Geographies with complex names**
e.g. Census Tract 100.01, Bibb County, AL
- **Collections of geographies**
e.g. All places in the United States
- **Cross tabulations**
e.g. Health insurance by full/part-time by sex
- **Detailed pop groups**
Race, Tribal, Hispanic Origin, Ancestry, and country of birth groups

Explore the new layout of topics in the advanced search

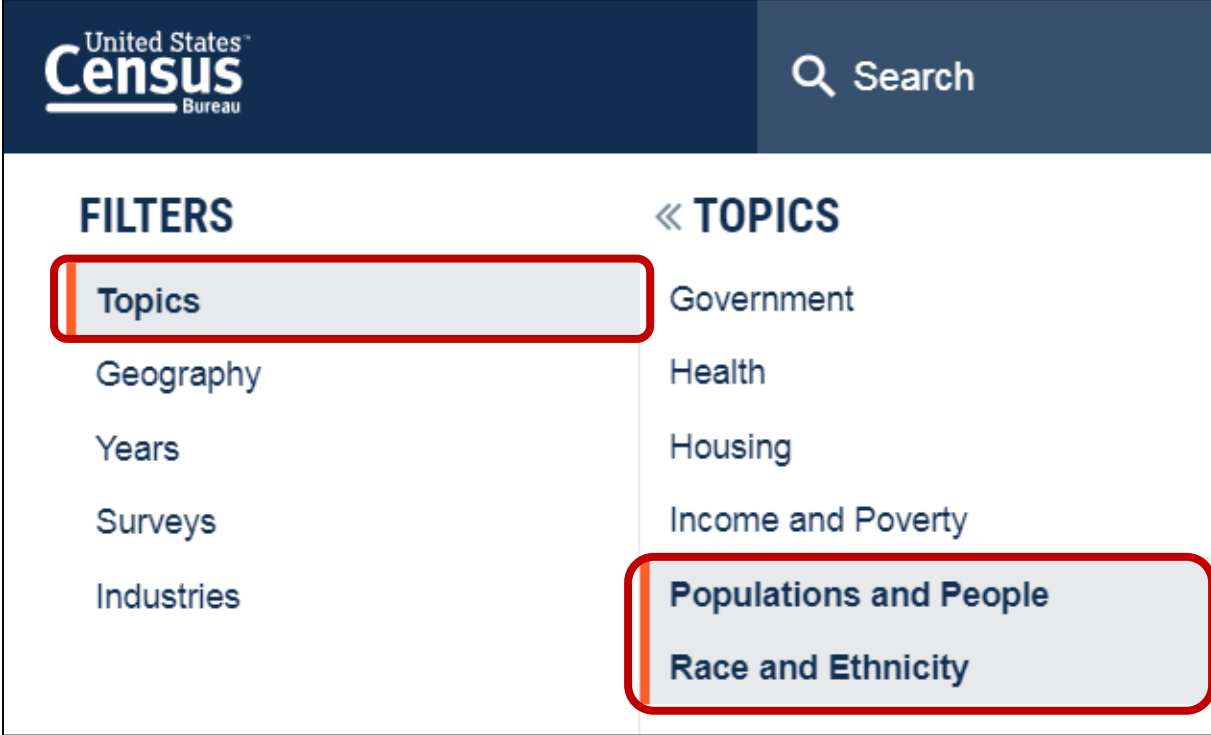
Use Advanced Search To Access Tables Iterated by Pop Groups

Step 1 (Optional): Select Table Type
Surveys → **ACS 1-Year Estimates Selected Population Profiles**



Step 2: Select Detailed Population Group(s) using **Topics**:

- **Populations and People** (Ancestry & Country of Birth)
- **Race and Ethnicity** (Race, Tribal, & Hispanic Origin)



Finding Population Groups: Ancestry

Topics → Populations and People → Ancestry

FILTERS	« TOPICS	« POPULATIONS AND PEO...
Topics	Business and Economy	<input type="checkbox"/> Populations and People
Geography	Education	<input type="checkbox"/> Age and Sex
Years	Employment	Ancestry
Surveys	Families and Living Arrangements	<input type="checkbox"/> Computer and Internet Use
Industries	Government	Counts, Estimates, and Projections
	Health	<input type="checkbox"/> Language Spoken at Home
	Housing	Native and Foreign Born
	Income and Poverty	<input type="checkbox"/> Older Population
	Populations and People	Population Change and
	Race and Ethnicity	

Finding Population Groups: Country of Birth

Topics → Populations and People → Native and Foreign Born → Foreign Born

FILTERS	« TOPICS	« POPULATIONS AND PEO...	« NATIVE AND FOREIGN BO...
Topics	Business and Economy	<input type="checkbox"/> Populations and People	<input type="checkbox"/> Native and Foreign Born
Geography	Education	<input type="checkbox"/> Age and Sex	<input type="checkbox"/> Citizenship
Years	Employment	Ancestry	Foreign Born
Surveys	Families and Living Arrangements	<input type="checkbox"/> Computer and Internet Use	<input type="checkbox"/> Native Born
Industries	Government	Counts, Estimates, and Projections	<input type="checkbox"/> Place of Birth
	Health	<input type="checkbox"/> Language Spoken at Home	
	Housing	Native and Foreign Born	
	Income and Poverty	<input type="checkbox"/> Older Population	
	Populations and People	Population Change and Components	
	Race and Ethnicity		

Finding Population Groups: Race & Hispanic Origin

Topics → Race and Ethnicity → Select a path into one of the high level race or Hispanic Origin groups

The screenshot shows a web interface with three main sections: FILTERS, TOPICS, and RACE AND ETHNICITY. The 'Topics' filter is highlighted with a red box. The 'Race and Ethnicity' topic is also highlighted with a red box. The 'Race and Ethnicity' section is further highlighted with a red rounded rectangle, showing a list of race categories with checkboxes. A 'Send Feedback' button is visible at the bottom left.

FILTERS	TOPICS	RACE AND ETHNICITY
<input checked="" type="checkbox"/> Topics	Business and Economy	<input type="checkbox"/> -00 - All available races
<input type="checkbox"/> Geography	Education	<input type="checkbox"/> -01 - All available basic races alone
<input type="checkbox"/> Years	Employment	American Indian and Alaska Native
<input type="checkbox"/> Surveys	Families and Living Arrangements	Asian
<input type="checkbox"/> Industries	Government	Black or African American
	Health	Hispanic or Latino
	Housing	<input type="checkbox"/> Native Hawaiian and Pacific Islander
	Income and Poverty	Not Hispanic or Latino
	Populations and People	Some Other Race
	<input checked="" type="checkbox"/> Race and Ethnicity	Two or More Races
		White

Send Feedback
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Select Results without Checkboxes to Dig Deeper

You may need to make additional selections to get to the most detailed population groups. Click a result with a checkbox adds the filter to your selections. Clicking a result without checkboxes open a new panel that provides more detailed options

Example – To get data for the Navajo population: Topics → Race and Ethnicity → American Indian & Alaska Native → American Indian → Navajo → Navajo Nation tribal grouping alone or in any combination

The screenshot displays a multi-step selection process in a data tool. It starts with a 'FILTERS' sidebar, followed by a 'TOPICS' sidebar. The main content area shows a breadcrumb trail: 'RACE AND ETHNICITY' (with sub-options like 'races alone', '-02 - All available basic races alone or in combination', and '-03 - All available basic race combinations'), 'AMERICAN INDIAN AND ALASKA NATIVE', 'AMERICAN INDIAN', and 'NAVAJO'. The 'NAVAJO' panel lists several sub-groups, including 'Navajo', '-4R - All available Nav tribes', '10U - Navajo alone (F F70)', '244 - Navajo Nation tr grouping alone (F62-F70)', and '245 - Navajo Nation tr grouping alone or in a combination (F62-F70 (100-299) or (300, A01-999) or (400-999))'. The last option is selected with a checked checkbox and is highlighted by a red rounded rectangle.

Keep in mind – Population Thresholds

Thresholds for ACS 1-year Selected Population Profiles

- 500,000+ people in your geo of interest
- 65,000+ people in the specific pop subgroup

Process to access data for tables repeated by detailed population groups is the same for different ACS tables, including the ACS 5-year special release of:

- Selected Population Tables
- American Indian/Alaska Native Tables

Many pop groups will be grayed out in the advanced search of data.census.gov until these tables have been migrated

« AMERICAN INDIAN

- Pequot
- Pima**
- Piscataway
- Pit River
- Pomo
- Pueblo
- Puget Sound Salish
- Quapaw
- Quinault
- Rappahannock
- Reno-Sparks
- Round Valley

« PIMA

- Pima
- 5A - All available Pim tribes
- 12J - Pima alone (G84-G91)
- 12K - Gila River Indian Community of the Gila River Indian Reservation alone (G84)
- 12L - Pima alone (G84-G88)
- 12M - Salt River Pima Maricopa Indian Community alone (G84-G88)
- 252 - Pima tribal group

Looking Ahead

Feedback on data.census.gov we are working on now

“After backing out and starting over, I received the message "Sorry, that table is too large to display.”

“The geo selection feature in data.census.gov is very poorly designed as of right now!”

“Is it possible to have the column heading wrap in a cell rather than have to be 'stretched' out because it is on one line?”

“When selecting geographies, the list also is somewhat in alphabetical order but also somewhat not. It is confusing.”

“I get that many users don't want to bother with MOEs...but as a scientific bureau, we should have MOEs displayed as a default. They're very important for understanding an estimate.”

“I want the ability to select more geographies in bulk like “All census tracts in the US and PR”



Current Geo Filter Experience

FILTERS

- Topics
- Geography**
- Years
- Surveys
- Industries

« GEOGRAPHY

- Metropolitan Statistical Area/Micropolitan Statistical Area
- Metropolitan Statistical Area/Micropolitan Statistical Area within State
- Principal City (or part) within State within Metro/Micro Statistical Area
- Metropolitan Statistical Area/Micropolitan Statistical Area-State-County
- Metropolitan Division within Metropolitan Statistical Area
- Metropolitan Statistical Area-Metropolitan Division-State
- Metropolitan Statistical Area-Metropolitan Division-State-County

« METROPOLITAN STATIST...

- Adrian, MI Micro Area
- Aguadilla-Isabela, PR Metro Area
- Aguadilla-Isabela-San Sebastian, PR Metro Area
- Akron, OH Metro Area
- Alamogordo, NM Micro Area
- Albany, GA Metro Area
- Albany, OR Metro Area
- Albany-Lebanon, OR Micro Area
- Albany-Schenectady-Troy, NY Metro Area
- Albemarle, NC Micro Area
- Albert Lea, MN Micro Area

Send Feedback
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- Long list
- No hierarchy
- Common summary levels buried

- Lazy loading (geographies pull up in sections from the API)

Coming Soon: Summary Level Codes & Search

FILTERS

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

← GEOGRAPHY

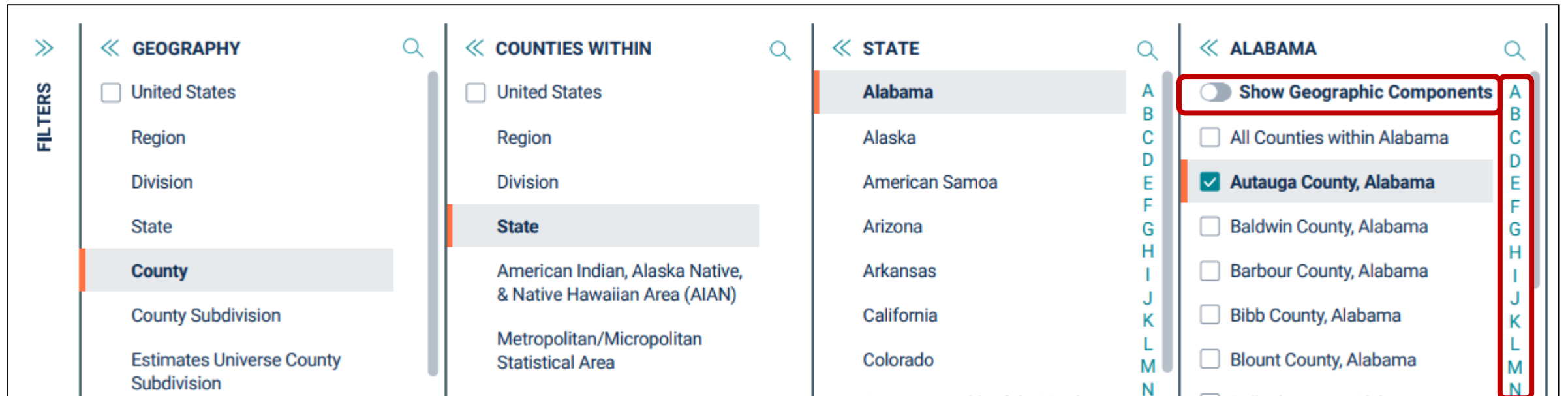
- 310** - Metropolitan Statistical Area/Micropolitan Statistical Area
- 311** - Metropolitan Statistical Area/Micropolitan Statistical Area within State
- 312** - Principal City (or part) within State within Metro/Micro Statistical Area
- 313** - Metropolitan Statistical Area/Micropolitan Statistical Area

← san ant

- San Antonio-New Braunfels, TX Metro Area

Coming Later: Another filtering option

- **New filtering option:** Choose your geography through a series of clicks instead of complex labels
- **Geographic components (urban/rural) hidden from default view**
- **A to Z**



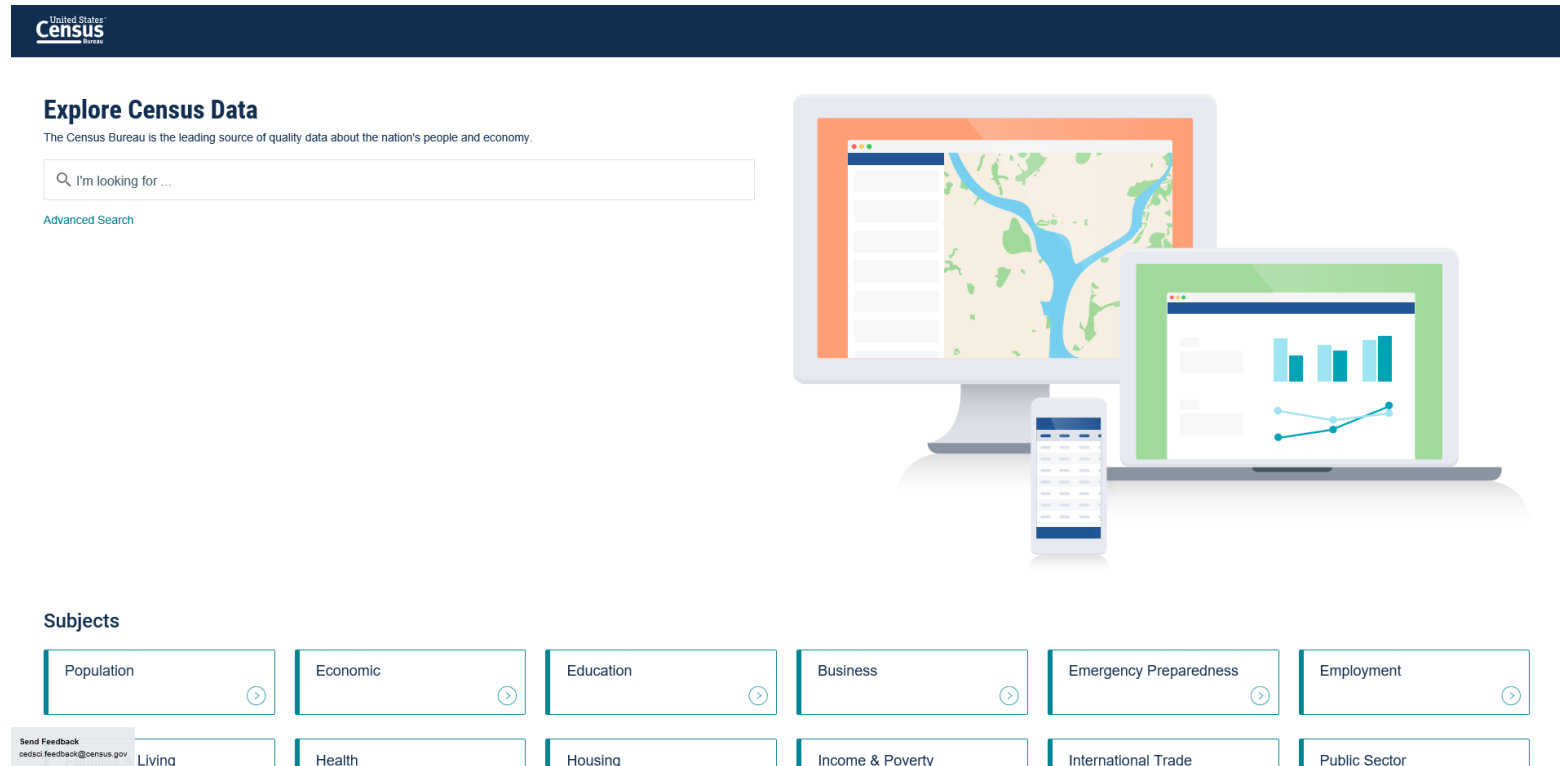
Plans to Add More Checkboxes to Select All Geos in a List

« TEXAS

- All counties in Texas
- Anderson County, Texas
- Anderson County, Texas -- Rural
- Anderson County, Texas -- Urban
- Andrews County, Texas
- Andrews County, Texas -- Rural
- Andrews County, Texas -- Urban
- Angelina County, Texas

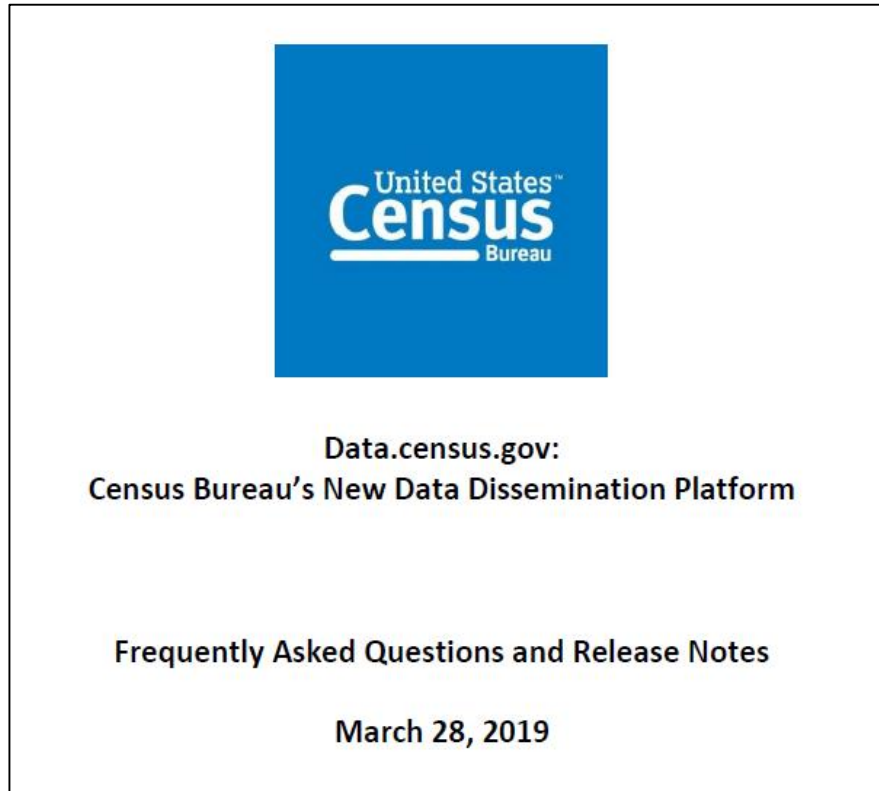
Pseudo Geo	ETE	PL	Demo
All Divisions (300) within United States (300)		X	
All States (340) within United States and Puerto Rico (300)		X	
All States (340) within United States, Puerto Rico, and the Island Areas (300)		X	
All Counties (350) within United States (310)		X	
All Counties (350) within United States and Puerto Rico (310)		X	
All Counties (350) within State (340)		X	
All Counties (350) fully/partially within Congressional District (500)		X	
All County Subdivisions (360) within State (340)		X	
All County Subdivisions (360) fully/partially within Congressional District (500)		X	
All Blocks (200) within County (250)		X	
All Blocks (200) within Place within State (300)		X	
All Census Tracts (140) within United States (320)		X	
All Census Tracts (140) within State (340)		X	
All Census Tracts (140) within County (350)		X	
All Census Tracts (140) fully/partially within Congressional District (500)		X	
All Block Groups (150) within State (340)		X	
All Block Groups (150) within County (350)		X	
All Block Groups (150) fully/partially within Congressional District (500)		X	
All Congressional Districts (116th Congress) (500) within United States (310)		X	
All Congressional Districts (116th Congress) (500) within State (340)		X	
All State Legislative Districts, Upper Chamber (520) within State (340)		X	
All County Subdivisions (or parts) (610) within State Legislative District (Upper) (510)		X	
All Census Tracts (140) within CSA (330)		X	
All Block Groups (150) fully/partially within Metro/Micro Statistical Area (310)		X	
All Block Groups (150) fully/partially within Metro Division within Metro Statistical Area (310)		X	
All Block Groups (150) within CSA (330)		X	
All Places (200) fully/partially within Metro/Micro Statistical Area (310)		X	
All Places (200) fully/partially within Metro Division within Metro Statistical Area (310)		X	
All Places (200) fully/partially within CSA (330)		X	
parts (614) within State Legislative District (Upper)			X
Lower Chamber (520) within State (340)			X
parts (523) within State Legislative District (Lower)			X
parts (524) within State Legislative District (Lower)			X
ary (350) within State (340)			X
ry (360) within State (340)			X
20) within State (340)			X
within Metro/Micro Statistical Area (310)			X
within Metro Division within Metro Statistical			X
within CSA (330)			X
within Combined NECTA (305)			X
within NECTA (350)			X
within NECTA Division within NECTA (305)			X
NA/HSL (250)			X
partially within Metro/Micro Statistical Area (310)			X
partially within Metro Division within Metro			X
in (330) within United States (320)			X
in (330) within United States and Puerto Rico (310)			X
in Areas (350) within United States (310)			X
10th Congress) (500) fully/partially within			X
10th Congress) (500) fully/partially within			X
10th Congress) (500) fully/partially within Metro			X
10th Congress) (500) fully/partially within CSA			X

Our Development Depends on **YOUR** Feedback



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

Learn More – Release Notes and FAQs



Includes:

- Answers to common questions
- Chart of available data
- List of features and functionality
- Known Issues

data.census.gov/assets/faqs-release-notes.pdf

Questions? We're Here to Help

Dissemination Outreach Branch: Ext. 3-8327; cedsci.feedback@census.gov

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