

American Community Survey Program Updates

May 29, 2025

Donna M. Daily
Chief, American Community Survey Office

The American Community Survey

Outline

- Recent Changes
- Future Changes
- Planned Testing
- Data Releases
- Data User Resources

The American Community Survey

Recent Changes — Data Collection Changes for the 2024 ACS



Internet data collection instrument available for select non-institutional group quarters

- For example, college/university student housing, group homes, military barracks, etc.



Using administrative records for the acreage question

- Question is skipped in Internet and nonresponse follow-up data collection instruments if we have an administrative record
- Question still appears on the paper questionnaire

The American Community Survey

Recent Changes — New Content for the 2025 ACS



Three new questions:

- Sewer
- Electric Vehicles
- Solar Panels



Four modified questions:

- Household Roster
- Educational Attainment
- Health Insurance Coverage
- Labor Force

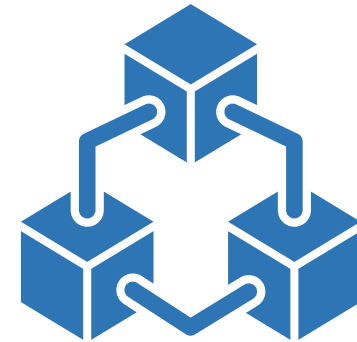
census.gov/programs-surveys/acs/about/forms-and-instructions.html

The American Community Survey

Future Changes — Transformation Efforts

Data Ingest and Collection for the Enterprise (DICE)

- Delivers a suite of systems that can more efficiently manage survey collection and gather existing data from external sources
- Streamlines instrument development for the ACS
- ACS transitions to DICE starting in January 2027



The American Community Survey

Future Changes — Race Standards

Statistical Policy Directive No. 15 (SPD 15)

- On March 28, 2024, the U.S. Office of Management and Budget (OMB) issued updated standards for maintaining, collecting and presenting race/ethnicity data across federal agencies

ACS Plans to Implement in 2027

- On November 5, 2024, the Census Bureau announced that we plan to implement the finalized 2024 SPD 15 in the 2027 ACS data collection cycle

Data with New Standard will be available starting in 2028

- 1-year estimates with the new standard will be the 2027 ACS 1-year data
- 5-year estimates produced solely using the updated standards will be the 2027-2031 ACS 5-year data
- Until the ACS has 5 years of data collected using the updated standards, the Census Bureau will produce ACS 5-year estimates using a bridging technique, starting with the 2023-2027 ACS 5-year release

The American Community Survey

Planned Testing

Internet Instrument Response Option and Error Messaging Design Test

- Planned for summer 2025
- Test whether changing the design of response options and error messages in the internet instrument can increase data quality and improve the respondent experience
- Will help inform the development of web design standards for data collection instruments throughout the Census Bureau

Questionnaire Timing Test

- Planned for fall 2025
- Test whether changing the timing of when the paper questionnaire is sent can increase self-response and/or reduce data collection costs
- Evaluate the impact of including a Quick Response (QR) code directing respondents to the internet to complete the survey

The American Community Survey

Recent Data Releases

119th Congressional District Profiles

- Special profiles produced for the 119th Congress
- Created using the 2023 ACS 1-year data
- Five states with boundary changes: Alabama, Georgia, Louisiana, New York, North Carolina

2018-2022 ACS 5-Year Public Use Microdata Sample (PUMS) Public Use Microdata Area (PUMA) Update File

- The PUMS file originally contained a mix of 2010-based and 2020-based PUMAs
- The updated codes on these files cross-walked the 2010 PUMA codes to the 2020 PUMA values with updated weights
- Information is available on the ACS PUMS page
- Data are available on the ACS FTP site

The American Community Survey

Planned 2024 ACS Data Releases

2024 ACS 1-Year Release

Data Products

Release

1-Year Estimates	September 11, 2025
1-Year Public Use Microdata Sample (PUMS)	October 16, 2025
1-Year Supplemental Estimates	October 16, 2025

2020-2024 ACS 5-Year Release

Data Products

Release

5-Year Estimates	December 11, 2025
5-Year Public Use Microdata Sample (PUMS)	January 22, 2026
5-Year Variance Replicate Estimates	January 22, 2026

The American Community Survey

New Data User Resources

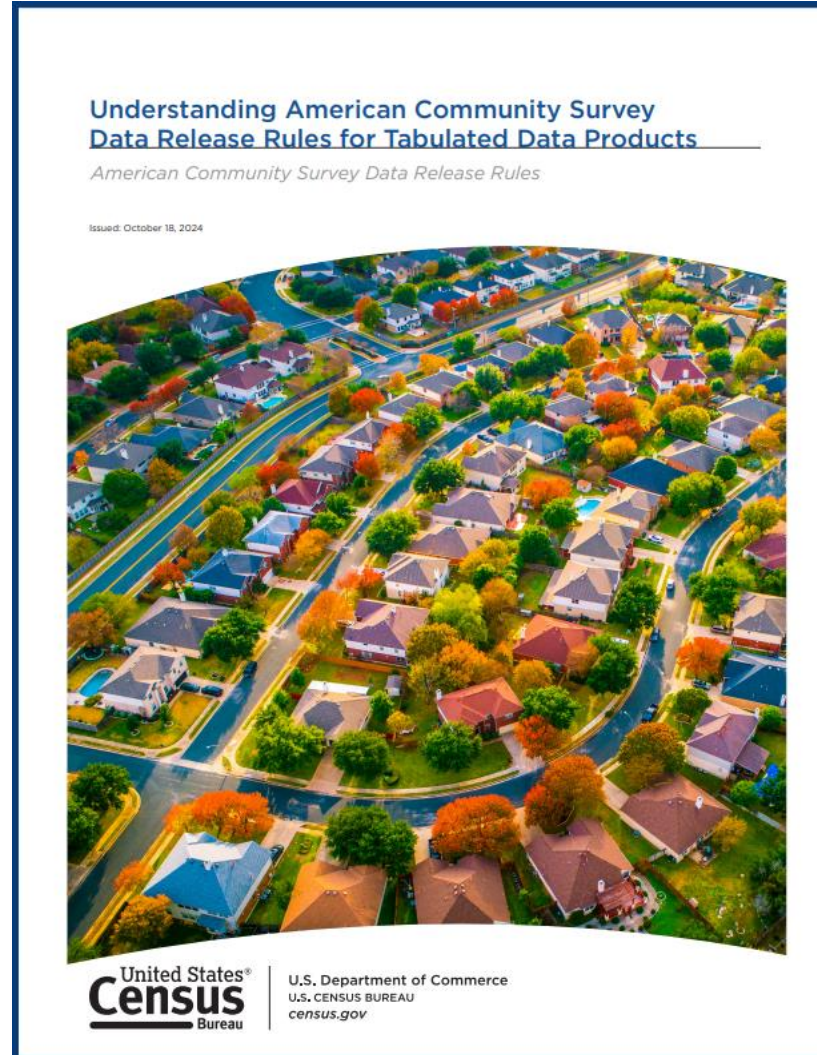
ACS course – Discovering the American Community Survey

- Module 1 – Introduction to the ACS
- Module 2 – Geography and the ACS
- Module 3 – Mastering the Variety of ACS Data Products; Navigating Releases, Tables, and Profiles
- Module 4 – Guidance for ACS Data Users
- Module 5 – Unlocking the Potential of the ACS Summary File and Public Use Microdata Sample Files
- Module 6 – ACS Course - Pulling It All Together



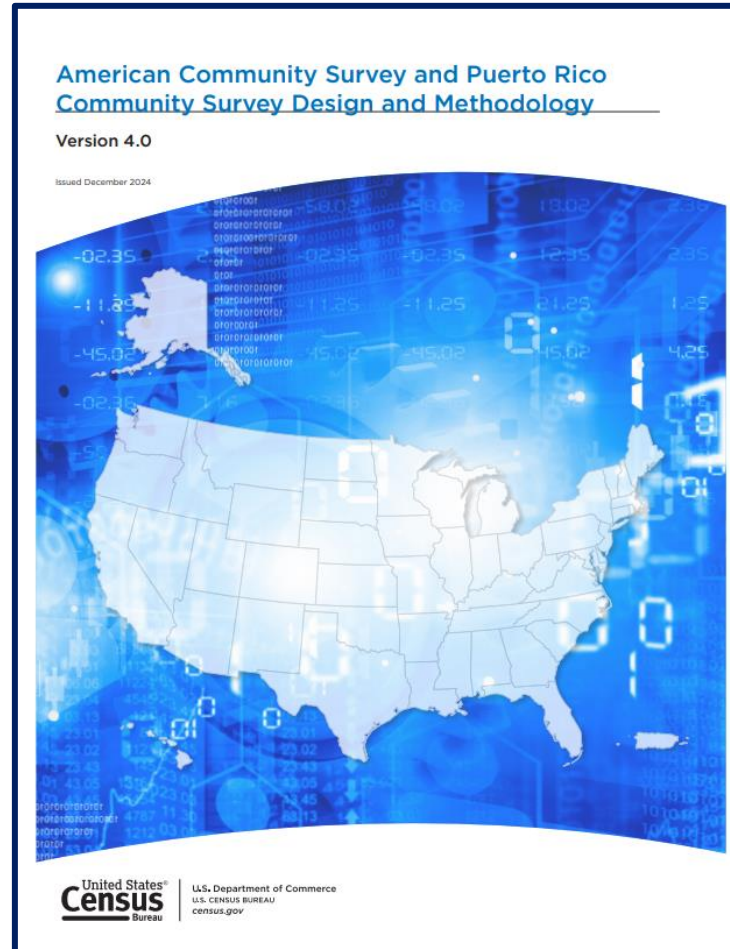
The American Community Survey

ACS Data Release Rules



The American Community Survey

Design and Methodology Report



The American Community Survey

Upcoming Stats in Action Webinars

Name	Date
Comparing Income and Poverty Data from the ACS and CPS ASEC Supplement	June 25, 2025
Using Labor Statistics to Make Informed Decisions	June 26, 2025
Geography Areas and Concepts for the ACS	July 9, 2025
Using the Census API with the ACS	July 15, 2025
Using ACS Data for Grant Writing	July 23, 2025
Introduction to the ACS	August 20, 2025
Introduction to the ACS Public Use Microdata Sample (PUMS) Files	October 2025

The American Community Survey

Stay Connected



**Share Your ACS
Data Story**

[census.gov/acs-
data-stories](https://census.gov/acs-data-stories)



**Join the ACS
Data Users Group**

[acsdatacommunity.
prb.org](https://acsdatacommunity.prb.org)



**Sign Up for
Email Updates**

[public.govdelivery.
com/accounts/US
CENSUS/signup/
12426](https://public.govdelivery.com/accounts/USCENSUS/signup/12426)



**Get Data User
Support**

[acso.users.support
@census.gov](https://acso.users.support@census.gov)

Thank you!

What's New with Accessing the ACS on data.census.gov and the API?

ACS Data Users Conference

May 29, 2025

Kanin Reese
Center for Enterprise Dissemination
Dissemination Outreach Branch
U.S. Census Bureau

Outline

- Latest Updates
- Future Enhancements
- Resources

U.S. Census Bureau

Data User Feedback Cycle

STEP 1 - COLLECT

Receive and collect feedback.

STEP 2 - PRIORITIZE

Distribute issues to prioritize and incorporate.

STEP 3 - DEVELOP

Issues are addressed by developers.

STEP 4 - TEST

Internal testing is conducted.

STEP 5 - RELEASE

Release to the public.



data.census.gov Developmental Updates (since May 2024)

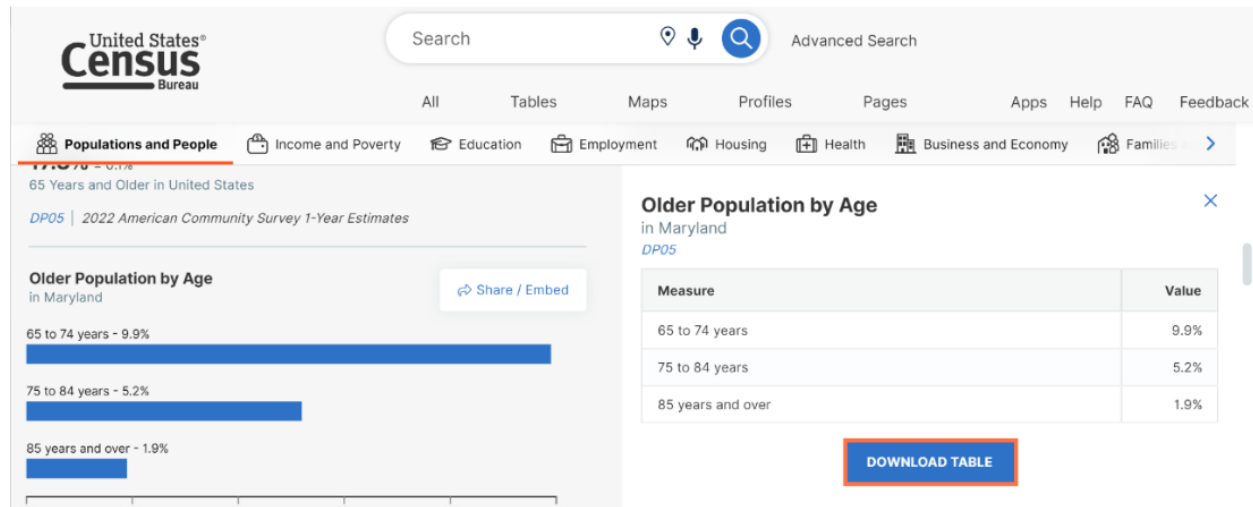
2024

EXPAND ALL | COLLAPSE ALL

September

On **September 4**, we released the following updates to the site:

- New ability to download table views in the profile and map views. These downloads include margins of error and any column sorting made to the display prior to downloading the table.
 - a) To access the download in the profile view: Click “Show Table” and then “Download Table.”



Highlights:

- Address Search
- Charts
- Improved Maps
- Messaging for ACS 1-Year
- Improved ACS Default Product
- Refreshed MDAT
- New API Functionality

Address Search

- New address search provides a clickable list of Census Bureau geographies an address falls within

United States[®]
Census
Bureau

Tables

Explore Census Data

Learn about America's People, Places, and Economy

Find Tables, Maps, and more...

Search by entering a street address and either a city and state or a ZIP code.

4600 Silver Hill Road

Washington

DC

20233

SEARCH

United States[®]
Census
Bureau

Search

Advanced Search

All Tables Maps Charts Profiles Pages Apps Help FAQ Feedback

4600 SILVER HILL RD, WASHINGTON, DC, 20233

State: [Maryland](#)

County: [Prince George's County](#)

County Subdivision: [District 6, Spauldings](#)

Block: [Block 2004](#)

Census Tract: [Census Tract 8024.05](#)

Block Group: [Block Group 2](#)

Place: [Suitland CDP](#)

Combined Statistical Area: [Washington-Baltimore-Arlington, DC-MD-VA-WV-PA CSA](#)

Urban Area: [Washington--Arlington, DC--VA--MD Urban Area](#)

Congressional District: [Congressional District 4](#)

State Legislative District (Upper Chamber): [State Senate District 24](#)

State Legislative District (Lower Chamber): [State Legislative District 24](#)

ZIP Code Tabulation Area: [ZCTA5 20746](#)

School District (Unified): [Prince George's County Public Schools](#)

Search by Address Example

- Click the **Geography Pin**
- Type the street address **4600 Silver Hill Road, Washington, DC 20233**
- Click **Search**

The screenshot shows the United States Census Bureau's 'Explore Census Data' website. The main heading is 'Explore Census Data' with the subtitle 'Learn about America's People, Places, and Economy'. A search bar contains the text 'Find Tables, Maps, and more...'. To the right of the search bar are icons for a location pin, a microphone, and a magnifying glass. A modal window is open, titled 'Search by entering a street address and either a city and state or a ZIP code.' It contains four input fields: '4600 Silver Hill Road', 'Washington', 'DC', and '20233'. Below these fields is a blue 'SEARCH' button. A large 'find table' logo is visible in the bottom left corner of the modal. Orange arrows point from the instructions on the left to the location pin icon, the search bar, and the 'SEARCH' button.

United States[®]
Census
Bureau

Explore Census Data

Learn about America's People, Places, and Economy

Find Tables, Maps, and more...

Tables Maps Profiles Pages Apps

Try searching

Search by entering a street address and either a city and state or a ZIP code.

4600 Silver Hill Road

Washington

DC

20233

SEARCH

find table

View Address Search Results and Select Geography

- View a list of different types of geographic areas the address falls within
- Click a geography to select it, such as **Census Tract 8024.05**

The screenshot displays the United States Census Bureau's address search interface. At the top, the 'United States Census Bureau' logo is on the left, and a search bar with a 'Search' button is in the center. To the right of the search bar are icons for location, voice search, and a magnifying glass, followed by a link to 'Advanced Search'. Below the search bar is a navigation menu with tabs: 'All' (selected), 'Tables', 'Maps', 'Charts', 'Profiles', 'Pages', 'Apps', 'Help', 'FAQ', and 'Feedback'. On the left side of the main content area, there is a 'Filters' button. The main content area is split into two parts. On the left is a map showing the location of 4600 Silver Hill Rd in Suitland, Maryland. The map includes labels for 'Bradbury Park', 'Suitland', 'Silver Hill', and 'William Beanes Community Center'. A blue pin marks the address location. On the right is a list of geographic areas for the address. The list starts with the address '4600 SILVER HILL RD, WASHINGTON, DC, 20233'. Below this, the following areas are listed: State: [Maryland](#), County: [Prince George's County](#), County Subdivision: [District 6, Spauldings](#), Block: [Block 2004](#), Census Tract: [Census Tract 8024.05](#), Block Group: [Block Group 2](#), Place: [Suitland CDP](#), Combined Statistical Area: [Washington-Baltimore-Arlington, DC-MD-VA-WV-PA CSA](#), Urban Area: [Washington--Arlington, DC--VA--MD Urban Area](#), Congressional District: [Congressional District 4](#), State Legislative District (Upper Chamber): [State Senate District 24](#), State Legislative District (Lower Chamber): [State Legislative District 24](#), ZIP Code Tabulation Area: [ZCTA5 20746](#), and School District (Unified): [Prince George's County Public Schools](#). An orange arrow points from the 'Census Tract 8024.05' link to the map area.

View Results for Census Tract 8024.05

- Click **Tables**
- Browse data tables for the selected geography or add additional filters to narrow the results

United States®
Census
Bureau

Search

Advanced Search

All **Tables** Maps Charts Profiles Pages Apps Help FAQ Feedback

1 Filter ?

Filters

2811 Results

Census Tract 8024.05; Prince G... x

Clear all filters

Search for a filter

Geographies

Nation >

State >

County >

County Subdivision >

Place >

ZIP Code Tabulation Area >

Metropolitan/Micropolitan Statistical Area >

2811 Results

View: 10 | 25 | 50 Download Table Data

P1 | RACE

View All 4 Products

American Community Survey

DP05 | ACS Demographic and Housing Estimates

View All 15 Products

American Community Survey

S0101 | Age and Sex

View All 14 Products

American Community Survey

S0601 | Selected Characteristics of the Total and Native Populations in the United States

DP05 | ACS Demographic and Housing Estimates

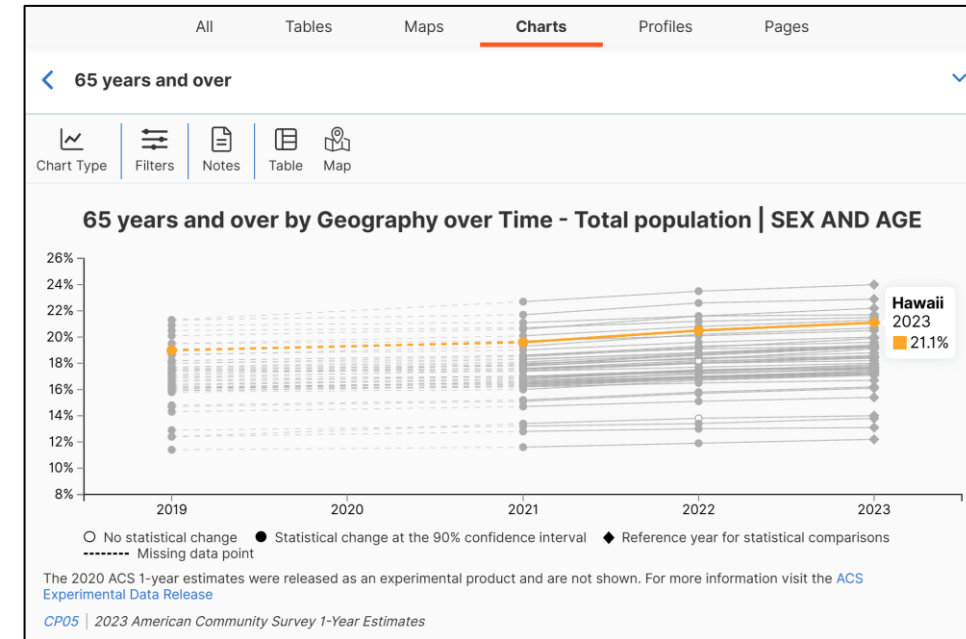
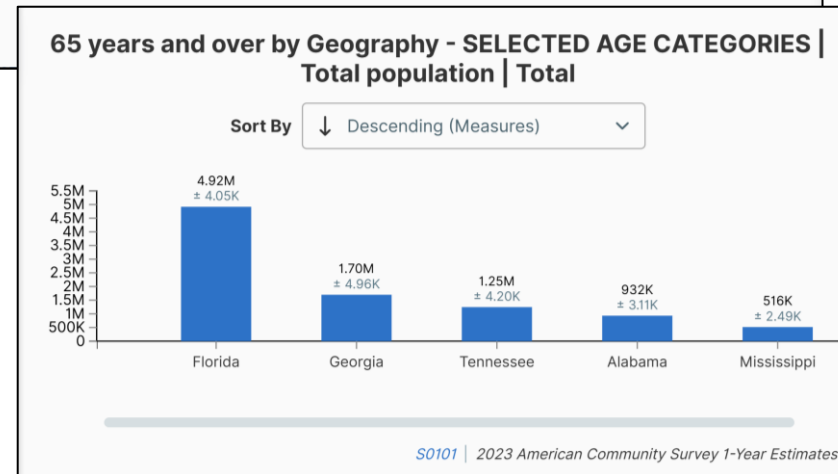
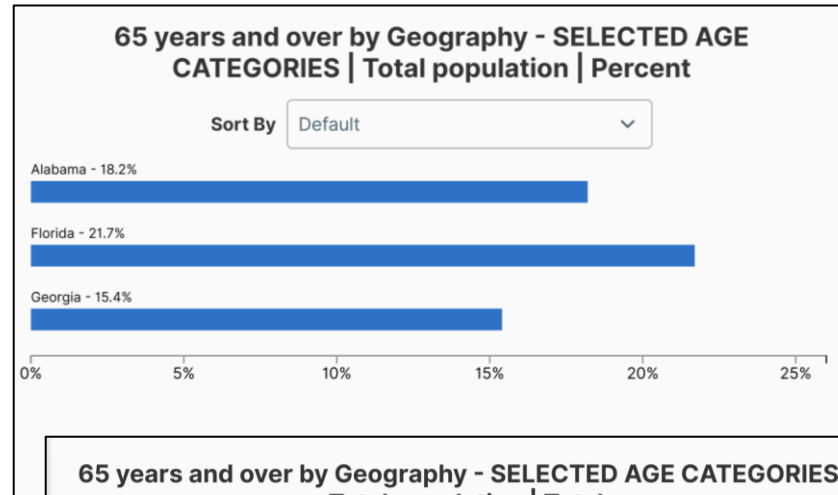
American Community Survey 2023: ACS 5-Year Est...

Notes More Tools

Label	Estimate	Cell/Column Notes
SEX AND AGE		
Total population	3,501	
Male	1,502	
Female	1,999	
Sex ratio (males per 100 females)	75.1	
Under 5 years	35	
5 to 9 years	141	
10 to 14 years	311	
15 to 19 years	211	
20 to 24 years	132	
25 to 34 years	509	

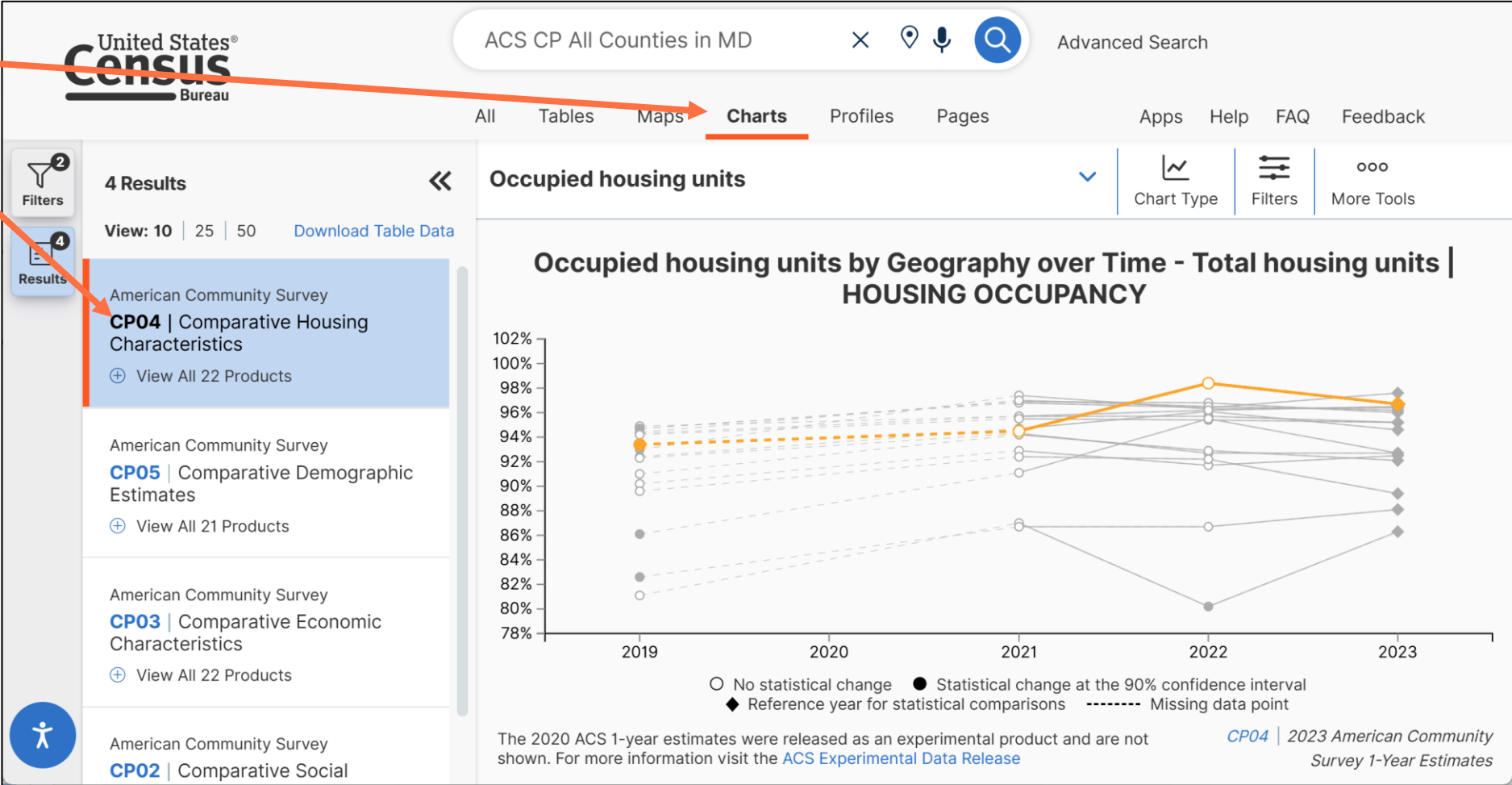
Charts

- New chart functionality
- Bar and column charts available for all ACS tables
- Line charts available for ACS Comparison Profiles



Navigate to Chart

- Click Charts tab
- Click the table that contains the data you want to chart



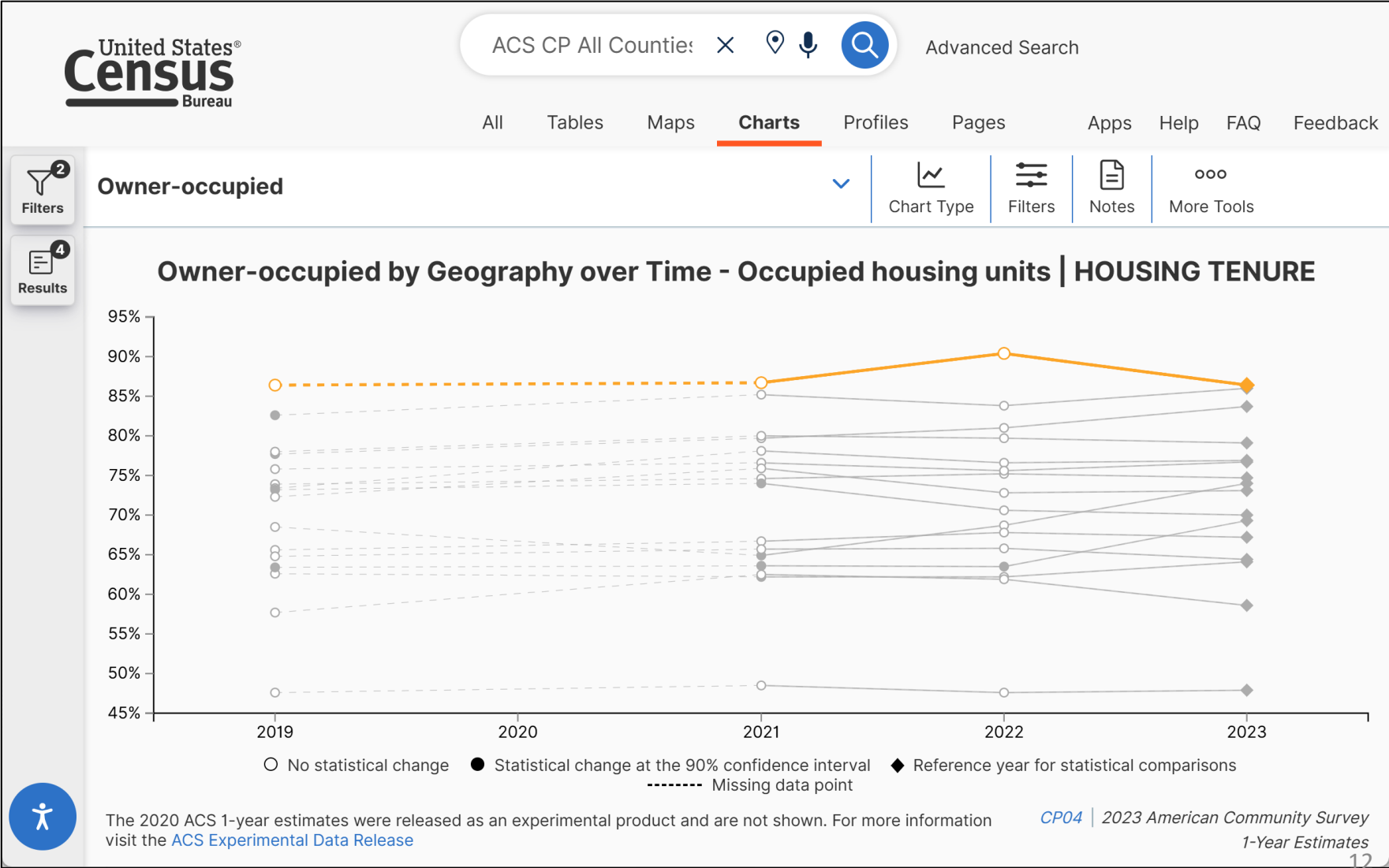
Select Measure

- Click the measures drop-down menu
- Select measure (Owner-occupied)

The screenshot displays the United States Census Bureau website interface. At the top, the search bar shows 'ACS CP All Counties'. The navigation bar includes links for 'All', 'Tables', 'Maps', 'Charts' (highlighted), 'Profiles', 'Pages', 'Apps', 'Help', 'FAQ', and 'Feedback'. On the left sidebar, there are icons for 'Filters' (2) and 'Results' (4). The main content area is titled 'Occupied housing units' and features a dropdown menu. The dropdown menu is open, showing a list of categories: 'No bedroom', '1 bedroom', '2 bedrooms', '3 bedrooms', '4 bedrooms', '5 or more bedrooms', 'HOUSING TENURE' (expanded), 'Occupied housing units' (checked), 'Owner-occupied' (highlighted), 'Renter-occupied', 'Average household size of owner-occupied unit', 'Average household size of renter-occupied unit', 'YEAR HOUSEHOLDER MOVED INTO UNIT' (expanded), 'Occupied housing units' (checked), 'Moved in 2021 or later', and 'Moved in 2018 to 2020'. At the bottom of the dropdown, there is a 'Units' section with radio buttons for '# Number' and '% Percent'. On the right side of the page, a chart titled 'Housing units | HOUSING OCCUPANCY' is visible, showing data for 2022 and 2023. The chart includes a legend indicating that a diamond symbol represents the 'Reference year for statistical comparisons'. The footer of the page mentions 'CP04 | 2023 American Community Survey 1-Year Estimates'.

View Line Chart

- View chart showing the homeownership rate over time for each county in MD

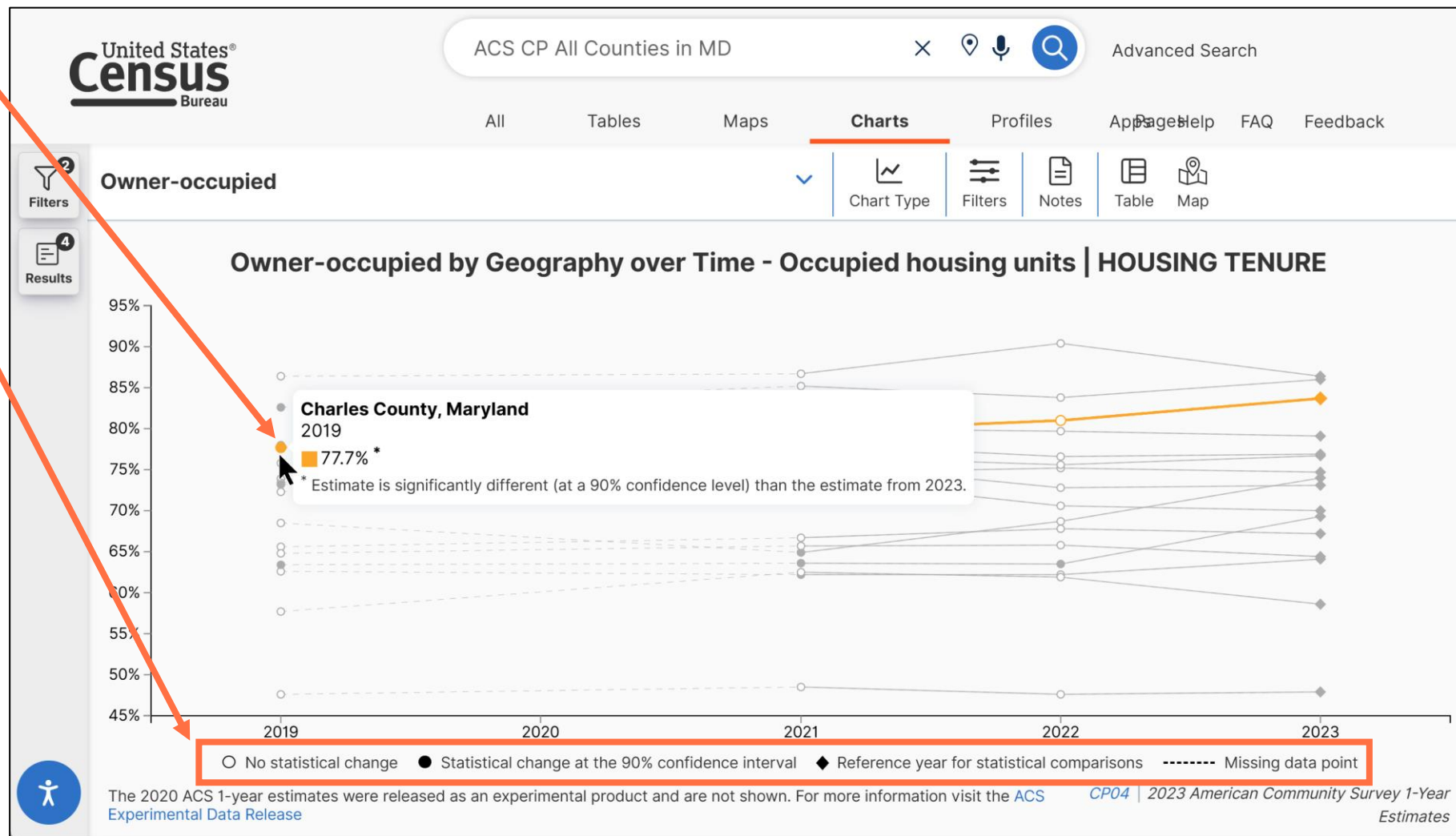


View Statistical Significance

Hover over a point to see the value and its statistical significance compared to the reference year

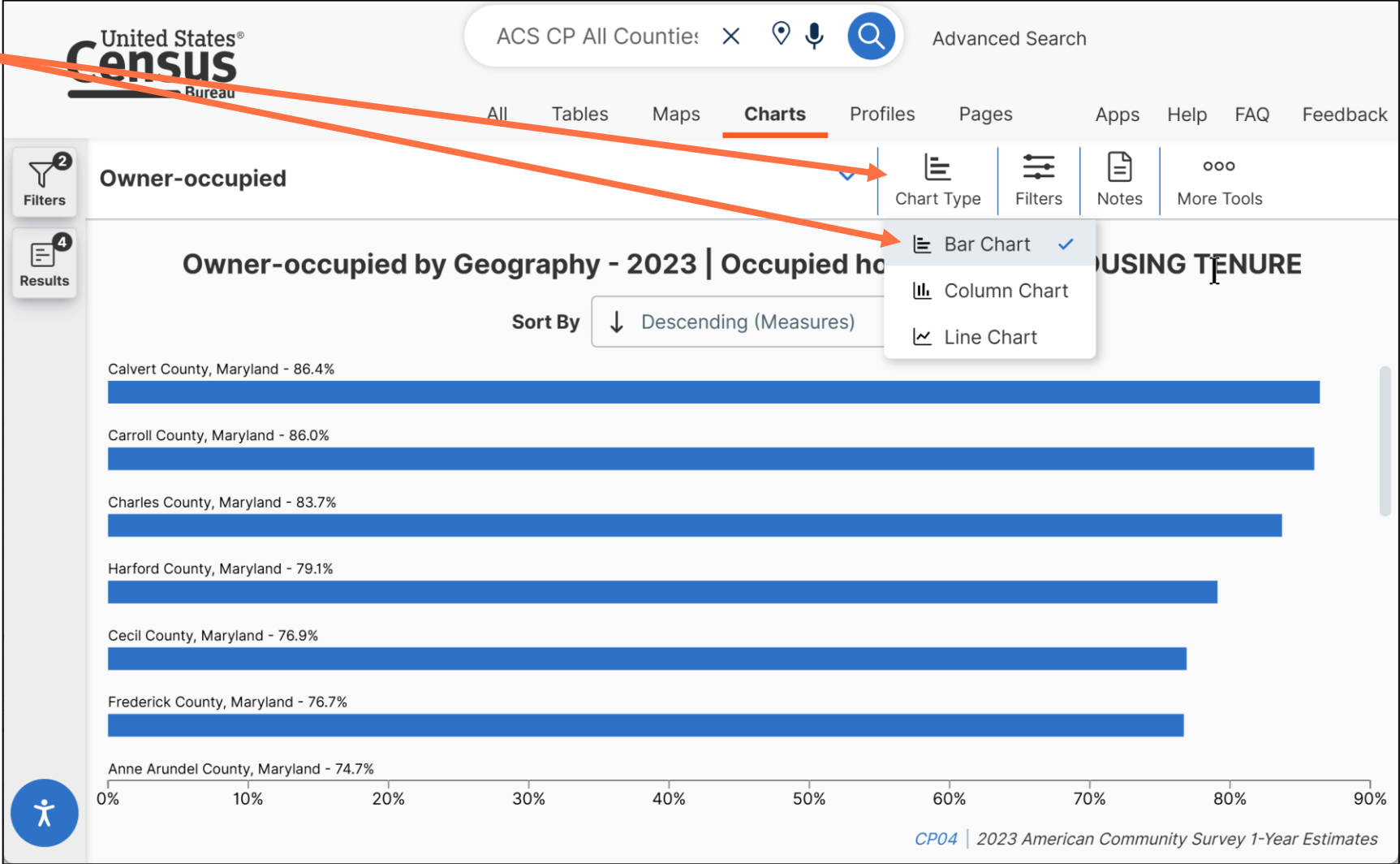
Statistical significance legend

- Diamond = Reference year
- Closed circle = Statistically different
- Open circle = Not statistically different



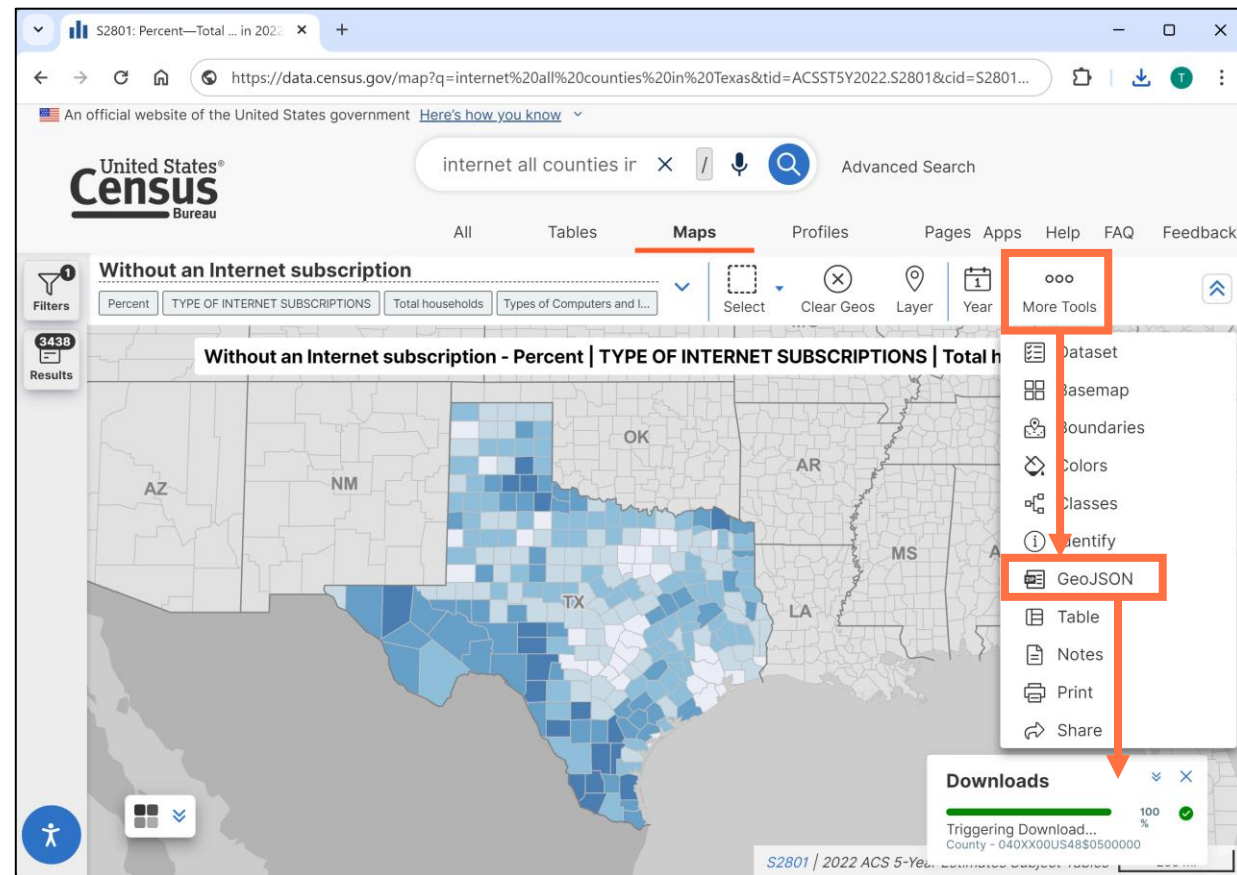
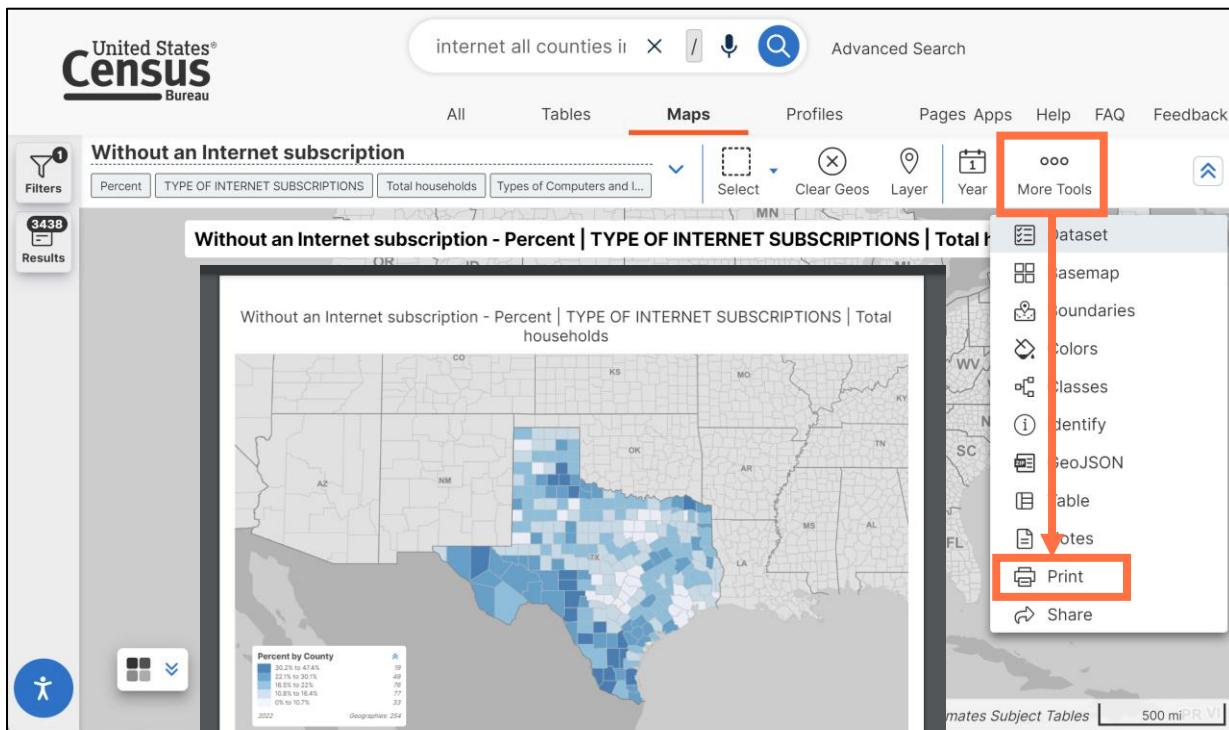
Bar and Column Charts

- Chart type: Switch to bar or column charts
- View homeownership rate for a single year (2023)



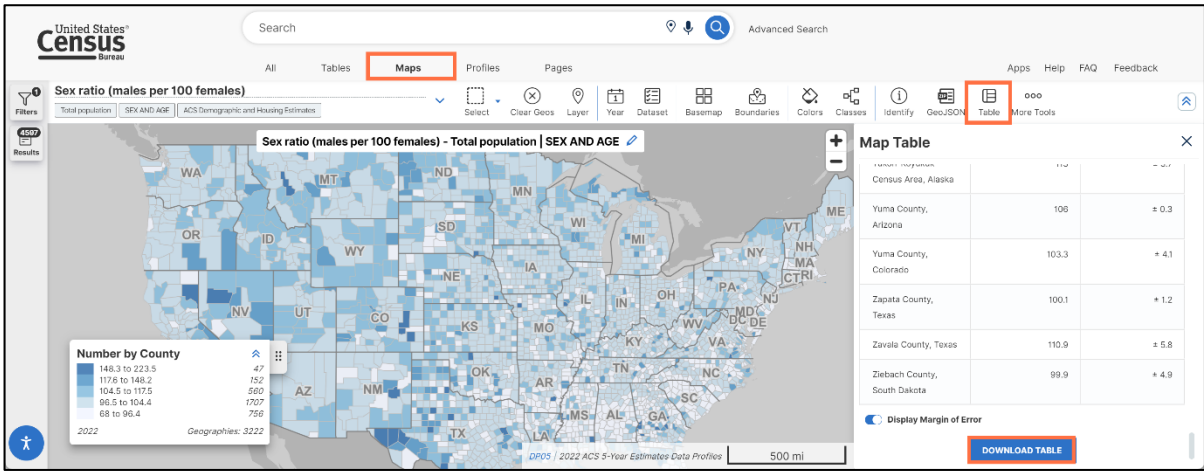
Improved Maps: New Print and GeoJSON Buttons

- **Print:** Provides PDF download of the map
- **GeoJSON:** Provides map boundaries in GeoJSON format

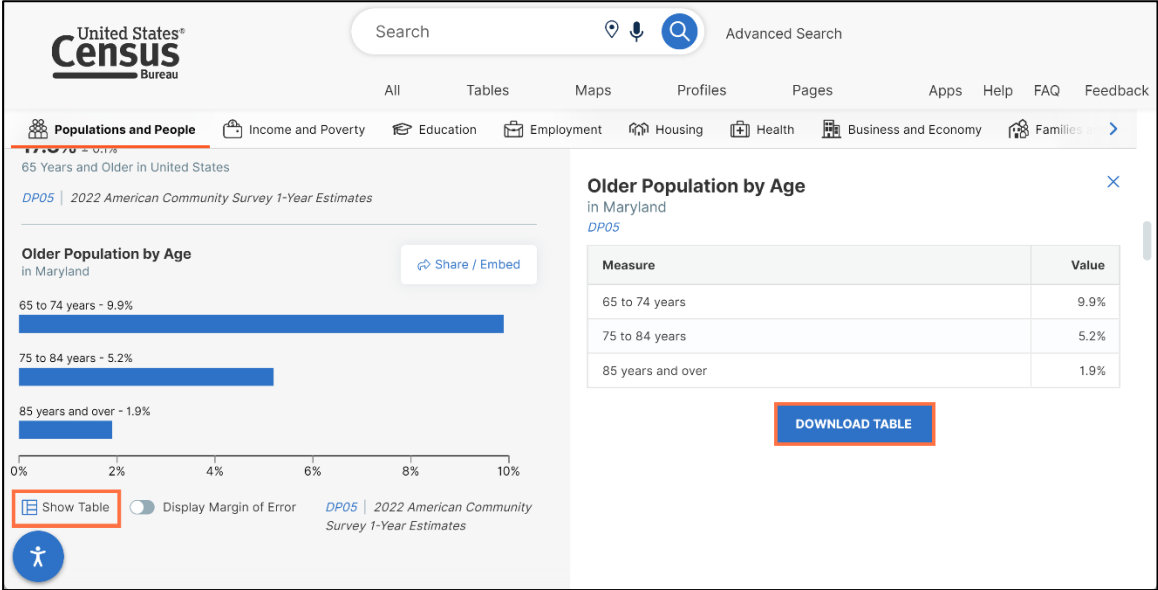


Download Added to Table Views for Maps and Profiles

To access the download in the map view:
Click the “Table” button at the top of the map and then scroll down to see the “Download Table” button.



To access the download in the profile view:
Click “Show Table” and then “Download Table.”



Message for Tables from ACS 1-Year Estimates

- New messaging in ACS 1-year tables suggests using ACS 5-year estimates to see data for all geographies

United States[®]
Census
Bureau

maryland annapolis, md

Advanced Search

All

Tables

Maps

Charts

Profiles

Pages Apps

Help

FAQ

Feedback

Filters

2

4105

Results

B01001 | Sex by Age

American Community Survey

Universe: Total population

2023: ACS 1-Year Estimates Detailed Tables

Notes

Geos

2

Topics

More Tools

Missing data for your geographies? Try switching to ACS 5-year estimates instead. [Learn More.](#)

Label	Maryland	
	Estimate	Margin of Error
▼ Total:	6,180,253	*****
▼ Male:	3,000,104	±4,006
Under 5 years	174,706	±2,426
5 to 9 years	192,840	±6,643
10 to 14 years	199,231	±6,778
15 to 17 years	124,585	±1,548
18 and 19 years	78,194	±2,617
20 years	37,955	±3,847
21 years	37,273	±4,080
22 to 24 years	110,698	±5,037

Columns

Cell/Column Notes

Improved Default to ACS 5-Year Estimates

- The site automatically shows data from the ACS 5-year estimates when selecting collections of geographies, such as “All places in Maryland”

☒ All Places within Maryland

United States[®]
Census
Bureau

all places within maryland

Advanced Search

All

Tables

Maps

Charts

Profiles

Pages Apps

Help

FAQ

Filters

3324

Results

B01001 | Sex by Age

American Community Survey

Universe: Total population

2023: ACS 5-Year Estimates Detailed Tables

Notes

Geos

Topics

More Tools

Aberdeen city, Maryland

Aberdeen Proving Ground CDP, Maryland

Abingdon

Label	Estimate	Margin of Error	Estimate	Margin of Error
Total:	16,831	±33	2,343	±455
Male:	7,960	±355	1,149	±201
Under 5 years	622	±212	99	±55
5 to 9 years	409	±146	82	±38
10 to 14 years	801	±231	80	±37
15 to 17 years	282	±139	32	±29
18 and 19 years	72	±65	32	±36
20 years	108	±69	6	±9
21 years	130	±126	28	±28
22 to 24 years	171	±74	24	±27
25 to 29 years	721	±105	140	±20

United States[®]
Census
Bureau

18

MDAT Design Updates

- MDAT design updates to provide consistent look and feel with the rest of data.census.gov

United States[®]
Census
Bureau

DatasetVariablesCartTableChartMap

Select a Dataset & Vintage

Select a Dataset:ACS 1-Year Estimates Public Use Microdata Sample
ACSPUMS1Y

Select a Vintage:2022
2022



United States[®]
Census
Bureau

DatasetVariablesCartTableChartMap

Dataset: ACS 1-Year Estimates Public Use Microdata Sample (2022)

SELECT GEOGRAPHIESFilter by Topic: -- All Topics --
Select at least one variable to start

Variable	Label	Value Count	Type
<input type="checkbox"/> > AGEP	Age	2	Estimate
<input type="checkbox"/> > DRIVESP	Number of vehicles calculated from JWRI	7	Estimate
<input type="checkbox"/> > FPARC	Family presence and age of related children	5	Recodes
<input type="checkbox"/> > GRPIP	Gross rent as a percentage of household income past ...	3	Estimate
<input type="checkbox"/> > JWAP	Time of arrival at work - hour and minute	286	Edited Items
<input type="checkbox"/> > JWDP	Time of departure for work - hour and minute	151	Estimate
<input type="checkbox"/> > JWMNP	Travel time to work	2	Estimate
<input type="checkbox"/> > JWRIP	Vehicle occupancy	11	Estimate
<input type="checkbox"/> > MV	When moved into this house or apartment	8	Estimate
<input type="checkbox"/> > NATIVITY	Nativity	2	Edited Items
<input type="checkbox"/> > NOP	Nativity of parent	9	Recodes

Showing 219 of 522 variables

CHANGE DATASETVIEW TABLE



Improved Geography Selection in MDAT

New Select All Button

Select all geographies in a single click

United States[®]
Census
Bureau

Dataset Variables **Geographies** Cart Table

Dataset: ACS 1-Year Estimates Public Use Microdata Sample (2023)

REGION DIVISION STATE PUMA GROUP

< PUBLIC USE MICRODATA AREA (PUMA)

SEARCH PUBLIC USE MICRODATA AREA (PUMA) 🔍

☐ Allegany, Garrett & West Washington Counties--Hancock & Clear Spring PUMA; Maryland

☐ Calvert & Southeast St. Mary's Counties--Chesapeake Beach & California PUMA; Maryland

☐ Carroll County--Westminster City PUMA; Maryland

☐ Cecil County--Elkton PUMA; Maryland

☐ Central Anne Arundel County PUMA; Maryland

☐ Central Frederick County--Frederick City PUMA; Maryland

☐ Central Howard County--Columbia PUMA; Maryland

☐ Central Montgomery County--Gaithersburg & Rockville PUMA; Maryland

SELECT ALL

VIEW TABLE

New Search within Geo Option

Search panels allow you to search within lists of geographies

United States[®]
Census
Bureau

Dataset Variables **Geographies** Cart Table

Dataset: ACS 1-Year Estimates Public Use Microdata Sample (2023)

REGION DIVISION STATE PUMA GROUP

< PUBLIC USE MICRODATA AREA (PUMA)

Baltimore City 🔍

☐ East Baltimore City--Inner Harbor, Canton & Bayview PUMA; Maryland

☐ North Central Baltimore City--Guilford, Roland Park & Druid Lake PUMA; Maryland

☐ Northeast Baltimore City--Frankford, Belair-Edison & Loch Raven PUMA; Maryland

☐ Northwest Baltimore City--Sandtown, Winchester, Ashburton & Mount Washington PUMA; Maryland

☐ Southwest Baltimore City--Irvington, Ten Hills & Cherry Hill PUMA; Maryland

DESELECT ALL

VIEW TABLE

New Geography Grouping (Aggregation) in MDAT

- New geography Group tab allows you to get data for geographies already added together for you (e.g. Data for the combined area consisting of Baltimore city’s 5 PUMAs)

United States[®]
Census
Bureau

Dataset

Variables

Geographies⁶

Cart

Table

Dataset: ACS 1-Year Estimates Public Use Microdata Sample (2023)

REGION

DIVISION

STATE

PUMA (5)

GROUP (1)

SELECTED GEOGRAPHIES

▼

☐ PUMA

☐ East Baltimore City--Inner Harbor, Canton & Bayview PUMA; Maryland

☐ North Central Baltimore City--Guilford, Roland Park & Druid Lake PUMA; Maryland

☐ Northeast Baltimore City--Frankford, Belair-Edison & Loch Raven PUMA; Maryland

☐ Northwest Baltimore City--Sandtown, Winchester, Ashburton & Mount Washington PUMA; Maryland

☐ Southwest Baltimore City--Irvington, Ten Hills & Cherry Hill PUMA; Maryland

CUSTOM GEOGRAPHIC GROUPS

▼

Baltimore City

East Baltimore City--Inner Harbor, Canton & Bayview PUMA; Maryland

North Central Baltimore City--Guilford, Roland Park & Druid Lake PUMA; Maryland

Northeast Baltimore City--Frankford, Belair-Edison & Loch Raven PUMA; Maryland

Northwest Baltimore City--Sandtown, Winchester, Ashburton & Mount Washington PUMA; Maryland

Southwest Baltimore City--Irvington, Ten Hills & Cherry Hill PUMA; Maryland

Selected Group Name

Baltimore City

×

CHANG

VIEW

Selected Geographies	Sex (SEX) <		
	Total Sex (SEX)	Male	Female
Total	564,917	259,374	305,543
Baltimore City	564,917	259,374	305,543

United States[®]
Census
Bureau

&descriptive=true adds variable labels to the output
&outputFormat=csv downloads the output in CSV format

&outputFormat=csv downloads the output in CSV format

[illegible]

	A	B	C	D	E	F
1	GEO_ID	NAME	C17002_001E	C17002_001EA	C17002_001M	C17002_001MA
2	Geography	Geographic Area Name	Estimate!!Total:	Annotation of Es	Margin of Error!!Total:	Annotation of M: Estim
3	0400000US01	Alabama	4960839	null	3969	null
4	0400000US02	Alaska	717303	null	801	null
5	0400000US04	Arizona	7274129	null	4225	null
6	0400000US05	Arkansas	2980358	null	1994	null
7	0400000US06	California	38249686	null	8492	null
8	0400000US08	Colorado	5757114	null	4079	null
9	0400000US09	Connecticut	3521952	null	2326	null
10	0400000US10	Delaware	1007022	null	1267	null
11	0400000US11	District of Columbia	649438	null	567	null
12	0400000US12	Florida	22139460	null	6333	null
13	0400000US13	Georgia	10765238	null	4549	null
14	0400000US15	Hawaii	1398532	null	2507	null
15	0400000US16	Idaho	1915282	null	1223	null
16	0400000US17	Illinois	12268020	null	4681	null

Upcoming

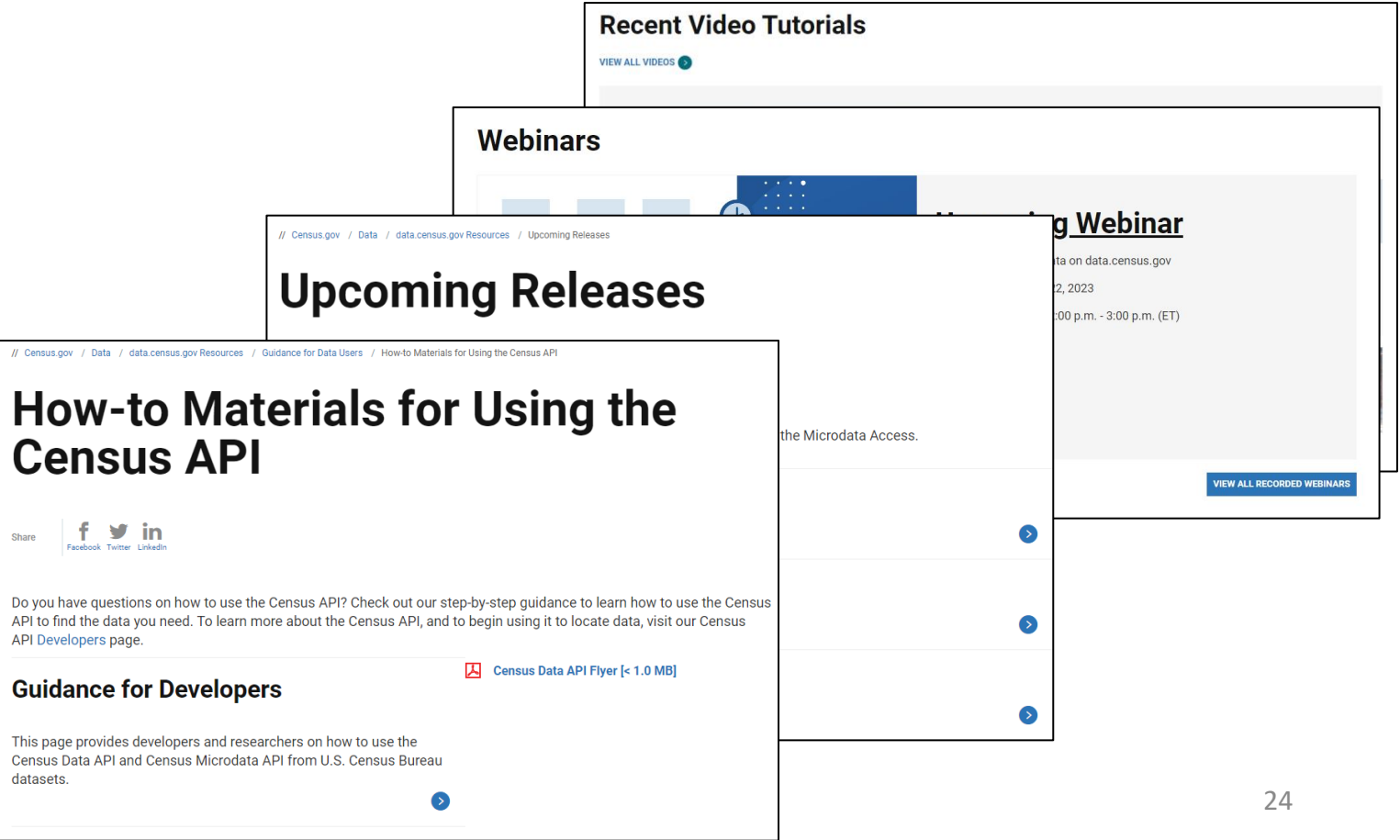
Transition to the Cloud:

- Limited, bundled releases
- ACS will continue to be supported
- Limited enhancements

Stay Connected

data.census.gov Resources Page:
census.gov/data/what-is-data-census-gov.html

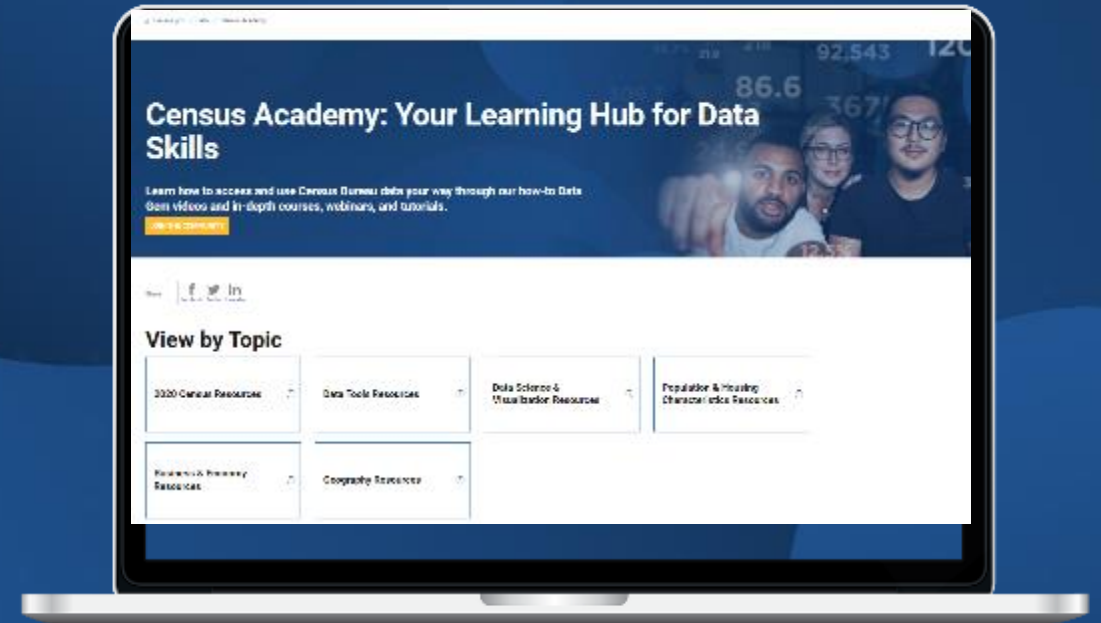
Feedback: Email comments to
census.data@census.gov



Data Dissemination and Training

- **Bring our data experts to you.**
Request a free data training for your organization.
- **Receive our Data Gems.**
These short “how-to” videos are an easy and quick way to increase your knowledge of Census data. Get them in your inbox!
- **Get access to our Courses.**
You will learn-at-your-own-pace with these video-tutorials designed for different skill levels.
- **Interact with our instructors via Webinars.**
Learn about our data releases and tools while attending these live virtual classes.

Census.gov/Academy



Contact us:

Census.askdata@census.gov

1-844-ASK-DATA