

# Southeast Population and Economic Data Conference October 12, 2017

## Beyond the Decennial

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# Agenda

- Overview of Surveys
- Overview of ACS
- Overview of Data Tools
- Overview of Economic Census
- Questions

# What does the Census Bureau do?

## Decennial Census

- ✓ Every 10 years, Counts Residents

## American Community Survey (ACS)

- ✓ Annual Social, Economic and Housing data

## Other Surveys and Censuses (conduct over 130 surveys)

- ✓ Current Population Survey (CPS)
- ✓ National Crime and Victimization Survey (NCVS)
- ✓ Health Interview Survey (HIS)
- ✓ Consumer Expenditure Survey (CE)
- ✓ Population Estimates
- ✓ Economic Census
- ✓ Census of Governments

## Periodical Surveys

- ✓ American Housing Survey (2015)

<http://www.census.gov/programs-surveys/surveys-programs.html>

# Federal Assistance Distributed Using Census Bureau Data

- 132 Programs used Census Bureau data to distribute more than \$675 billion in funds during Fiscal Year 2015
- An Increase from \$400 billion in Fiscal Year 2007
- As the Census Bureau prepares for the 2020 Census, an updated estimate becomes increasingly important

Source: Uses of Census Bureau Data in Federal Funds Distribution.  
*A New Design for the 21<sup>st</sup> Century*

# Federal Assistance Distributed Using Census Bureau Data in Fiscal Year 2015

1. Medical Assistance Program
2. Supplemental Nutrition Assistance Program
3. Medicare Part B Physicians Fee Schedule Services
4. Highway Planning and Construction
5. Federal Pell Grant Program
6. National School Lunch Program
7. Temporary Assistance for Needy Families
8. Section 8 Housing Choice Voucher
9. Title 1 Grants to Local Educational Agencies
10. Special Education Grants to States
11. Head Start

Source: Uses of Census Bureau Data in Federal Funds Distribution.  
*A New Design for the 21<sup>st</sup> Century*

# American Community Survey

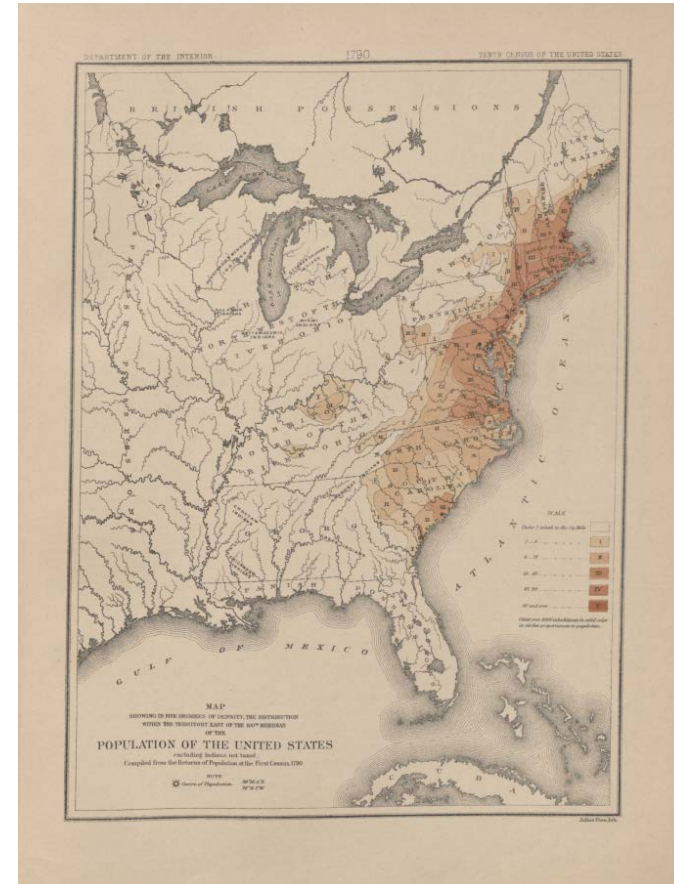
# What is the American Community Survey?

- Ongoing monthly survey sent to 3.5 million addresses per year to produce detailed population and housing estimates each year
  - Visit 20,000 Group Quarter facilities and sample approximately 194,000 residents each year
- Designed to produce *critical information on small areas and small population groups* previously collected on the decennial long form
- Covers 35+ topics and supports over 300 known Federal Government uses
- Data released twice annually
  - 1-year estimates (12 months of data)
  - 5-year estimates (60 months of data)

The image displays three overlapping representations of the American Community Survey. The topmost document is a paper questionnaire titled 'Housing' with various questions and checkboxes. Below it, a computer screen shows the online survey interface, featuring a 'Welcome to the American Community Survey' message, a barcode, and a 'Please Log In' section with a 'User ID' field. The bottom-most document is another paper questionnaire, partially obscured, with a 'Start Here' section that includes instructions for completing the survey and a 'Please Log In' section with a 'User ID' field.

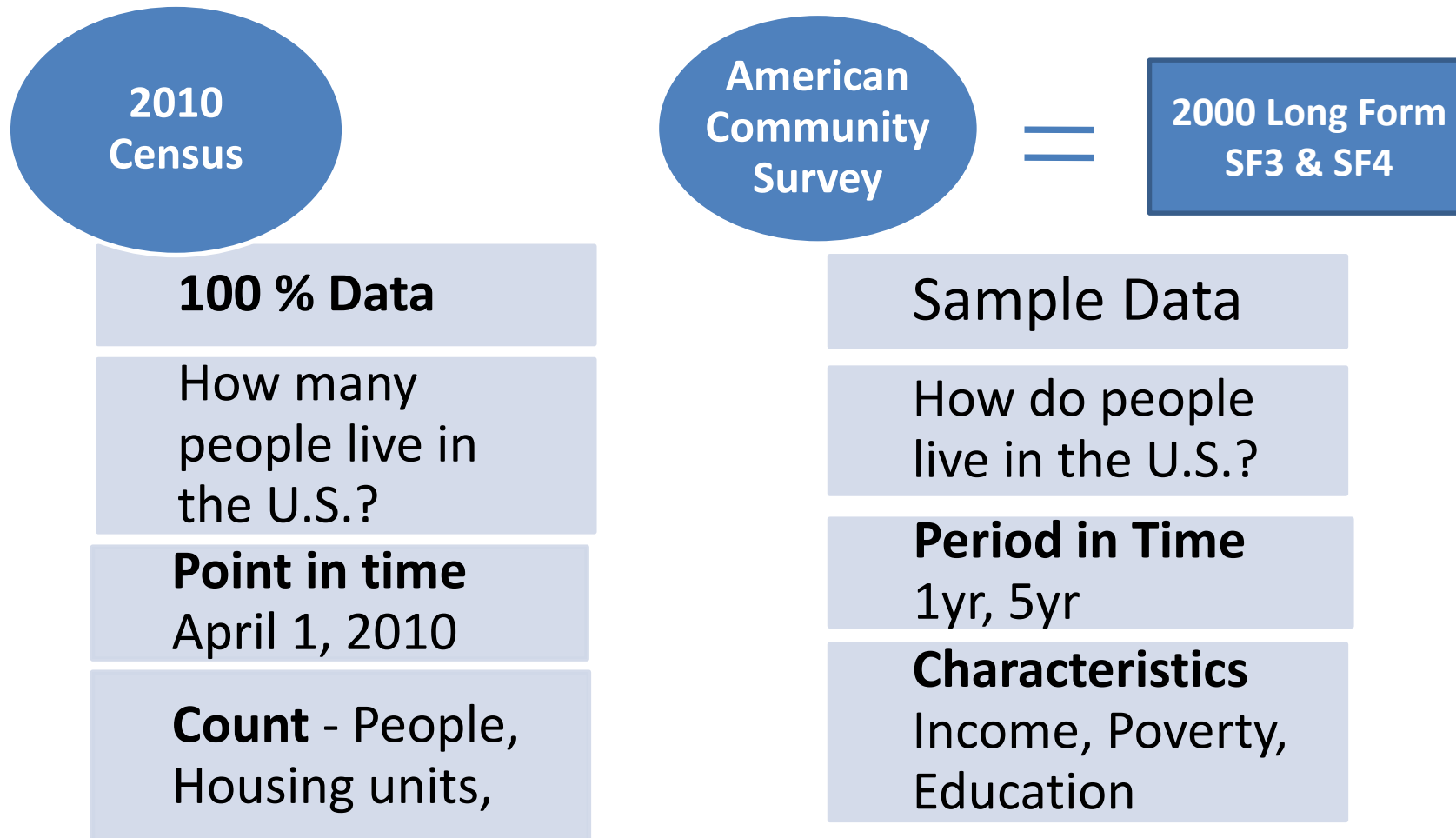
# Census/ACS History

- **1790-1930**  
Census: one form to all households
- **1940-2000**  
Census: short form and long form
- **2000**  
ACS: large-scale demonstration
- **2005-present**  
ACS / PRCS: full implementation
- **2010**  
Census: short form only

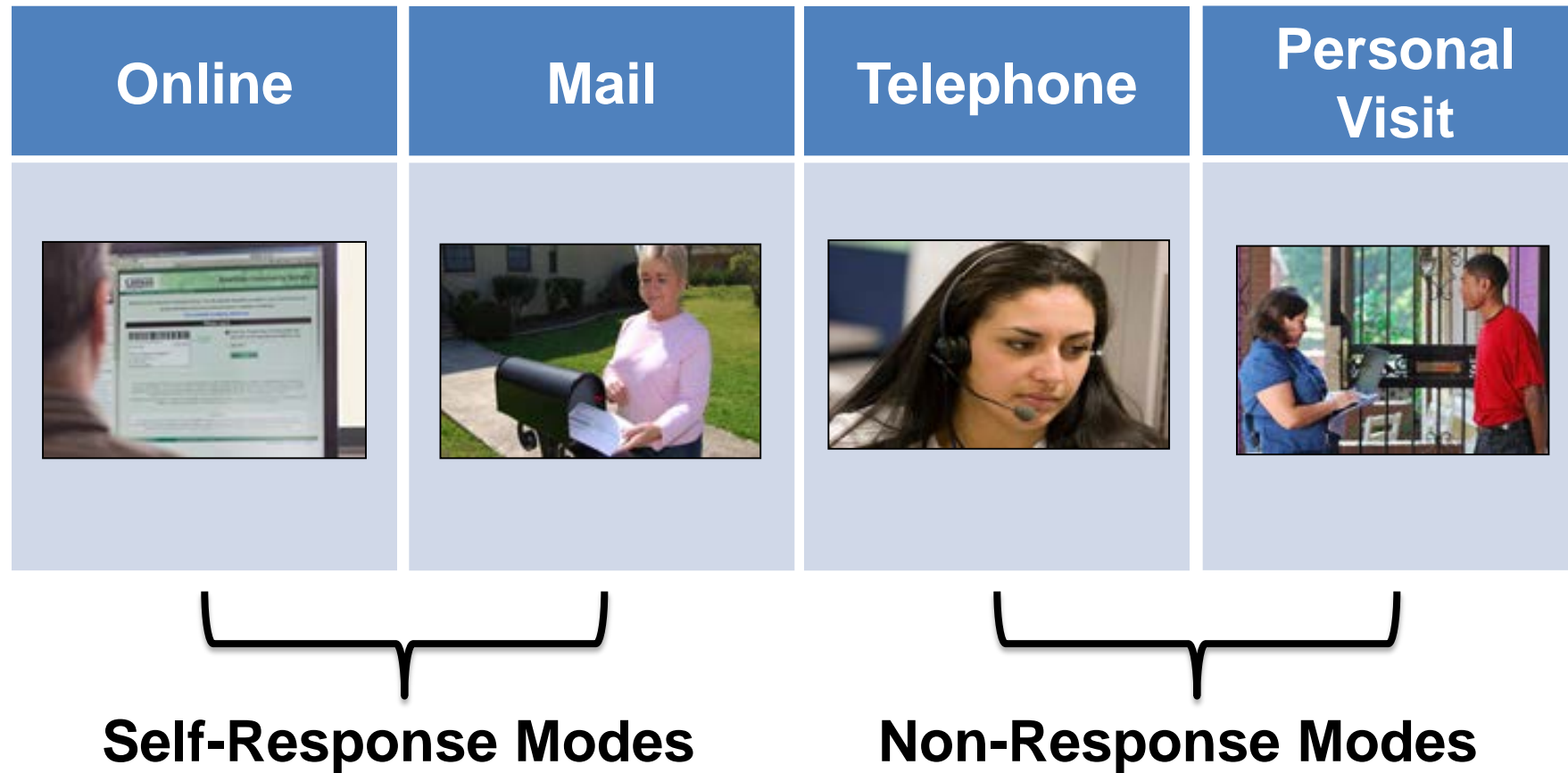




# 2010 Census vs. ACS



# ACS Data Collection Process



# ACS Content

Items in **red** were also collected on the **2010 Census**

## Demographic Characteristics

- Age
- Sex
- Race
- Hispanic Origin
- Household Relationship
- Group Quarters

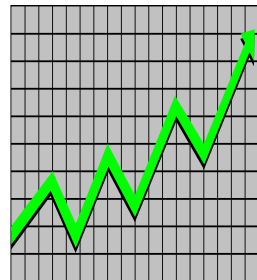


## Social Characteristics

- Families
- Education
- Marital Status
- Fertility
- Grandparent Caregivers
- Veterans
- Disability Status
- Place of Birth
- Citizenship
- Year of Entry
- Language Spoken at Home
- Ancestry/ Tribal Affiliation

## Economic Characteristics

- Income
- Poverty
- Benefits
- Employment Status
- Occupation
- Industry
- Commuting to Work



## Housing Characteristics

- Tenure (Rent/Own)
- Occupancy
- Structure
- Housing Value
- Taxes & Insurance
- Utilities
- Mortgage/ Monthly Rent



# ACS Data Products

Data Product	Description
Data Profiles	Provide broad social, economic, housing, and demographic profiles.
Narrative Profiles	Summarize the information in the data profiles using concise, nontechnical text.
Comparison Profile	Compares over 5-year period selected enhancements.
Selected Population Profiles	Provide broad social, economic, and housing profiles for a large number of race, ethnic, ancestry, and country/region of birth groups.
Detailed Tables	Provide access to the most detailed ACS data and cross tabulations of ACS variables.
Subject Tables	Similar to data profiles but include more detailed ACS data, classified by subject.
Ranking Tables	Provide state rankings of estimates across 86 key variables.
Geographic Comparison Tables	Compare geographic areas other than states (e.g., counties or congressional districts) for key variables.
Supplemental Tables	Detailed tables available for geographic areas with populations of 20,000 or more.

# Data Profile vs. Detailed Table

Subject	College Park city, Maryland			
	Estimate	Margin of Error	Percent	Percent Margin of Error
<b>EMPLOYMENT STATUS</b>				
Population 16 years and over	28,690	+/-368	28,690	(X)
In labor force	14,997	+/-559	52.3%	+/-1.9
Civilian labor force	14,938	+/-557	52.1%	+/-1.9
Employed	13,243	+/-619	46.2%	+/-2.1
Unemployed	1,695	+/-313	5.9%	+/-1.1
Armed Forces	59	+/-47	0.2%	+/-0.2
Not in labor force	13,693	+/-601	47.7%	+/-1.9
Civilian labor force	14,938	+/-557	14,938	(X)
Percent Unemployed	(X)	(X)	11.3%	+/-2.1
Females 16 years and over	13,697	+/-462	13,697	(X)
In labor force	6,982	+/-400	51.0%	+/-2.7
Civilian labor force	6,971	+/-401	50.9%	+/-2.7
Employed	6,429	+/-429	46.9%	+/-3.0
Own children under 6 years	851	+/-210	851	(X)
All parents in family in labor force	569	+/-184	66.9%	+/-14.2
Own children 6 to 17 years	1,242	+/-254	1,242	(X)
All parents in family in labor force	919	+/-199	74.0%	+/-12.9
<b>COMMUTING TO WORK</b>				
Workers 16 years and over	12,874	+/-642	12,874	(X)
Car, truck, or van -- drove alone	6,220	+/-494	48.3%	+/-2.9
Car, truck, or van -- carpooled	1,162	+/-277	9.0%	+/-2.2
Public transportation (excluding taxicab)	1,686	+/-306	13.1%	+/-2.2
Walked	2,670	+/-304	20.7%	+/-2.2
Other means	433	+/-138	3.4%	+/-1.0
Worked at home	703	+/-210	5.5%	+/-1.6
Mean travel time to work (minutes)	26.7	+/-1.3	(X)	(X)
<b>OCCUPATION</b>				
Civilian employed population 16 years and over	13,243	+/-619	13,243	(X)
Management, business, science, and arts occupations	6,203	+/-536	46.8%	+/-3.5
Service occupations	2,456	+/-382	18.5%	+/-2.6
Sales and office occupations	3,309	+/-373	25.0%	+/-2.7
Natural resources, construction, and maintenance occupations	709	+/-201	5.4%	+/-1.5
Production, transportation, and material moving occupations	566	+/-126	4.3%	+/-0.9
<b>INDUSTRY</b>				
Civilian employed population 16 years and over	13,243	+/-619	13,243	(X)
Agriculture, forestry, fishing and hunting, and mining	6	+/-9	0.0%	+/-0.1
Construction	502	+/-172	3.8%	+/-1.3

	College Park city, Maryland	
	Estimate	Margin of Error
Total:	12,874	+/-642
Car, truck, or van:	7,382	+/-525
Drove alone	6,220	+/-494
Carpooled:	1,162	+/-277
In 2-person carpool	973	+/-235
In 3-person carpool	77	+/-56
In 4-or-more-person carpool	112	+/-93
Public transportation (excluding taxicab):	1,686	+/-306
Bus or trolley bus	596	+/-174
Streetcar or trolley car (carro publico in Puerto Rico)	0	+/-26
Subway or elevated	935	+/-201
Railroad	155	+/-89
Ferryboat	0	+/-26
Bicycle	350	+/-123
Walked	2,670	+/-304
Taxicab, motorcycle, or other means	83	+/-59
Worked at home	703	+/-210
Male:	6,548	+/-460
Car, truck, or van:	3,699	+/-387
Drove alone	3,134	+/-377
Carpooled:	565	+/-166
In 2-person carpool	461	+/-143
In 3-person carpool	49	+/-43
In 4-or-more-person carpool	55	+/-51
Public transportation (excluding taxicab):	1,050	+/-238
Bus or trolley bus	362	+/-140
Streetcar or trolley car (carro publico in Puerto Rico)	0	+/-26
Subway or elevated	576	+/-151
Railroad	112	+/-81
Ferryboat	0	+/-26
Bicycle	229	+/-93
Walked	1,163	+/-191
Taxicab, motorcycle, or other means	59	+/-49
Worked at home	348	+/-168
Female:	6,326	+/-439
Car, truck, or van:	3,683	+/-409
Drove alone	3,086	+/-380
Carpooled:	597	+/-171
In 2-person carpool	512	+/-147
In 3-person carpool	28	+/-37
In 4-or-more-person carpool	57	+/-55
Public transportation (excluding taxicab):	636	+/-154
Bus or trolley bus	234	+/-104
Streetcar or trolley car (carro publico in Puerto Rico)	0	+/-26
Subway or elevated	359	+/-103
Railroad	43	+/-44
Ferryboat	0	+/-26
Bicycle	121	+/-69
Walked	1,507	+/-208
Taxicab, motorcycle, or other means	24	+/-29
Worked at home	355	+/-99

# ACS Data Sets

## CURRENT DATA AVAILABLE

- **Areas with a population 65,000+: 1-year estimates**
- (2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, **2016**)
- **All areas (incl. census tracts & block groups): 5-year estimates**
- (2005-2009, 2006-2010, 2007-2011, 2008-2012, 2009-2013, 2010-2014, 2011-2015)

# Recent ACS Data Releases

## **2011-2015 ACS 5-year Selected Population Tables**

- 156 tables repeated for 419 detailed race, Hispanic Origin, ancestry, and tribal groups
- Geographic areas down to the census tract level

## **2011-2015 ACS 5-year American Indian & Alaska Native Tables**

- 156 tables repeated for 1,119 detailed American Indian and Alaska Native tribes
- Geographic areas American Indian and Alaska Native Areas

## **Compared to ACS 1-year Selected Population Profiles**

- Greater statistical detail
- Lower population minimums

[census.gov/programs-surveys/acs/technical-documentation/race-ethnicity-aian.html](https://census.gov/programs-surveys/acs/technical-documentation/race-ethnicity-aian.html)

# Future ACS Data Releases

## **2016 ACS 1-Year Supplemental Estimates** (Geographies of 20,000+)

- Thursday, October 19: Public Release

## **2012-2016 ACS 5-Year Estimates** (All geographic areas)

- Tuesday, December 5: Embargo Begins
- Thursday, December 7: Public Release

## **Public Use Microdata Sample Files (PUMS)**

- Thursday, October 19: 2016 1-Year PUMS File
- January 18, 2018: 2012-2016 5-Year PUMS File

## **2012-2016 Variance Replicate Estimates**

- January 18, 2018: Public Release

## **2016 Puerto Rico Community Survey 1-year and 5-year Spanish Release**

- January 18, 2018: Public Release

[census.gov/programs-surveys/acs/news/data-releases/2016/release-schedule.html](https://census.gov/programs-surveys/acs/news/data-releases/2016/release-schedule.html)

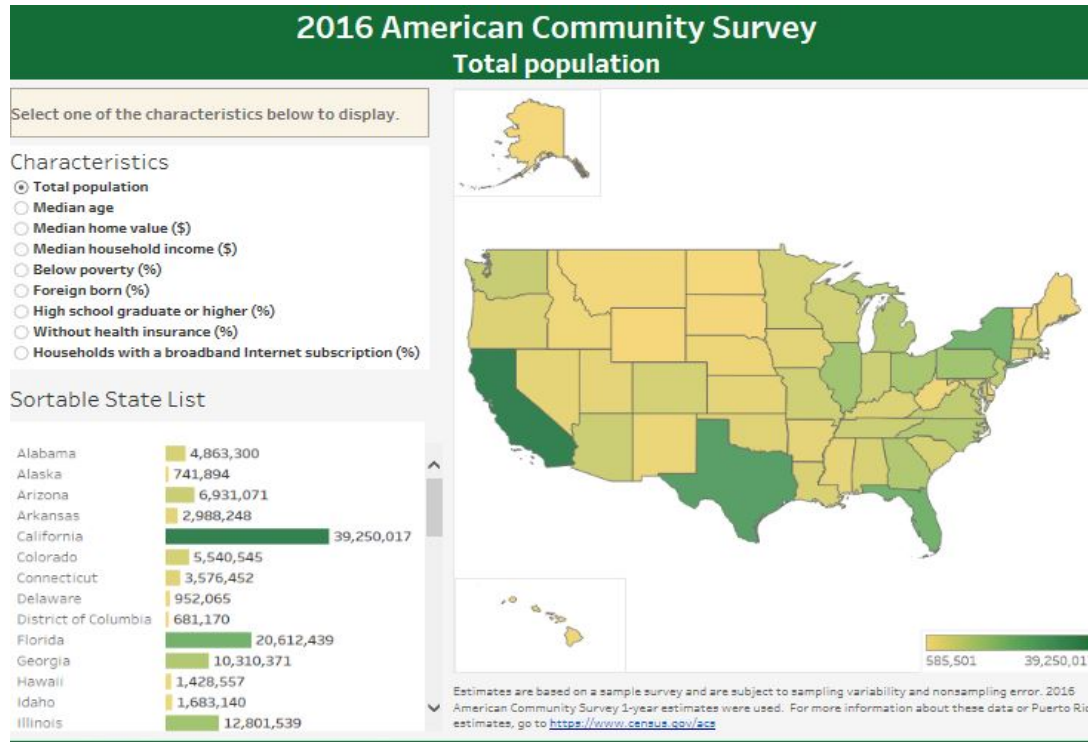


# Accessing ACS Data Products

# Ways to Access Data

- ACS Main Page
- Data Tables and Tools
- Narrative Profiles
- QuickFacts
- Census Explorer
- Census Business Builder
- My Congressional District
- My Tribal Area
- OnTheMap for Emergency Management
- American FactFinder
- Application Programming Interface (API)
- Census Reporter

# New Data Visualization Tools



The [Data Wheel Dashboard](https://www.census.gov/library/visualizations/interactive/acs-datamap.html) includes a bar graph and map of the U.S. highlighting ACS characteristics for all 50 states.


[census.gov/library/visualizations/interactive/acs-datamap.html](https://www.census.gov/library/visualizations/interactive/acs-datamap.html)

The [ACS Data Wheel](https://www.census.gov/library/visualizations/interactive/acs-datawheel.html) allows users to explore ACS data for all 50 states.

[census.gov/library/visualizations/interactive/acs-datawheel.html](https://www.census.gov/library/visualizations/interactive/acs-datawheel.html)



# ACS Main Page



**Topics**  
Population, Economy

**Geography**  
Maps, Geographic Data

**Library**  
Infographics, Publications

**Data**  
Tools, Developers

**About the Bureau**  
Research, Surveys

**Newsroom**  
News, Events, Blogs

## American Community Survey (ACS)

About the Survey

Respond to the Survey

News & Updates

Data

Guidance for Data Users

Geography & ACS

Technical Documentation


Methodology

Library

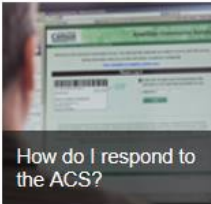
Operations and Administration

Contact Us


The American Community Survey helps local officials, community leaders and businesses understand the changes taking place in their communities. It is the premier source for detailed information about the American people and workforce.




What is the ACS?



How do I respond to the ACS?



Where can I get ACS data?



### Latest

Data

News

Events


Library

### Data Tables & Tools

The ACS provides data tables including Comparison and Selected Population Profiles, and Subject, Detailed, Ranking, and Geographic Comparison Tables.

### Summary File Data

The ACS Summary File is a set of comma-delimited text files that contain all of the detailed tables for the ACS.



Respond to the ACS.  
Learn how.

[census.gov/acs](https://census.gov/acs)

# Data Tables & Tools

The screenshot shows the U.S. Census Bureau website for the American Community Survey. The top navigation bar includes links for Topics, Geography, Library, Data, Surveys/Programs, Newsroom, and About Us. A search bar is located in the top right corner. The main content area is titled "American Community Survey" and features a left-hand sidebar with a list of links. The "Data Tables & Tools" link is highlighted in blue. The main content area contains three sections: "Data Profiles Selector", "Narrative Profiles", and "Subject Tables".

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

U.S. Department of Commerce | Blogs | Index A-Z | Glossary | FAQs

Search

Topics  
Population, Economy

Geography  
Maps, Products

Library  
Infographics, Publications

Data  
Tools, Developers

Surveys/Programs  
Respond, Survey Data

Newsroom  
News, Blogs

About Us  
Our Research

## American Community Survey

About the Survey

Respond to the Survey

News & Updates

**Data**

**Data Tables & Tools**

Data Profiles

Narrative Profiles

Subject Tables

Ranking Tables

American FactFinder

Statistical Testing Tool

Easy Stats

My Congressional District

Data via FTP

Summary File Data

PUMS Data

Variance Replicate Tables

Race/Ethnicity & AIAN Data

Custom Tables

### Data Tables & Tools

#### Data Profiles Selector

Data Profiles consist of four tables (Social, Economic, Housing, Demographic) to give a broad statistical view of a particular geography. We provide an easy to use [Data Profiles geography selector](#) for the most popular geographies: state, county and place. Our full data website, [American FactFinder](#), provides additional geographies for this table type and many more.

#### Narrative Profiles

The only place to find the current Narrative Profiles is right here on American Community Survey website. Narrative Profiles contain much of the same information found in the Data Profiles, except it is a text-based report with plenty of colorful graphs and charts. Use the map selector or the dropdown boxes to [generate a Narrative Profile](#) for your favorite place.

#### Subject Tables

More interested in a particular topic than a particular geography? Check out our listing of ACS Subject Tables. Subject tables have both numbers and percentages making them the versatile choice for data seekers. You can search/filter the listing, and then link to American Factfinder (AFF) where you can change geographies and go back in time! [Choose your subject table here!](#)

#### American FactFinder

American FactFinder (AFF) is by far the most popular of our data dissemination tools. FactFinder houses almost all of the ACS data tables

[census.gov/acs/www/data/data-tables-and-tools](https://census.gov/acs/www/data/data-tables-and-tools)



# Narrative Profiles

## Population and Housing Narrative Profile 2009-2013 American Community Survey 5-Year Estimates

Select a New Geography

While the ACS produces sample-based population group and housing estimates used in this report, the Census Bureau's Population Estimates Program produces and disseminates official estimates of the population for the nation, states, counties, cities and towns, as well as estimates of housing units for states and counties. For more information see: <http://www.census.gov/popest/>

Note that for small geographic areas, the sample used for the Narrative Profile may be small as well. Users are encouraged to examine the detailed tables on [American FactFinder](#) that are associated with the Narrative Profile text. These tables provide additional information on sampling variability associated with the estimates in this report.

### Geography: Pahrump, Nevada

>> Expand All Sections

<< Collapse All Sections

#### ► Households and Families

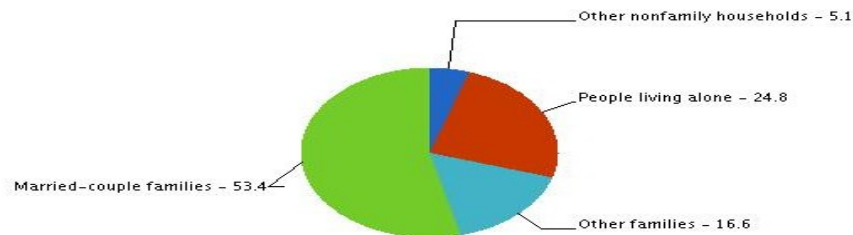
In 2009-2013 there were 14,900 households in Pahrump, Nevada. The average household size was 2.4 people.

Families made up 70 percent of the households in Pahrump, Nevada. This figure includes both married-couple families (53 percent) and other families (17 percent). Of other families, 5 percent are female householder families with no husband present and own children under 18 years. Nonfamily households made up 30 percent of all households in Pahrump, Nevada. Most of the nonfamily households were people living alone, but some were composed of people living in households in which no one was related to the householder.

In Pahrump, Nevada, 25 percent of all households have one or more people under the age of 18; 45 percent of all households have one or more people 65 years and over.

Types of Households in Pahrump, Nevada in 2009-2013

click graph to view data in table format

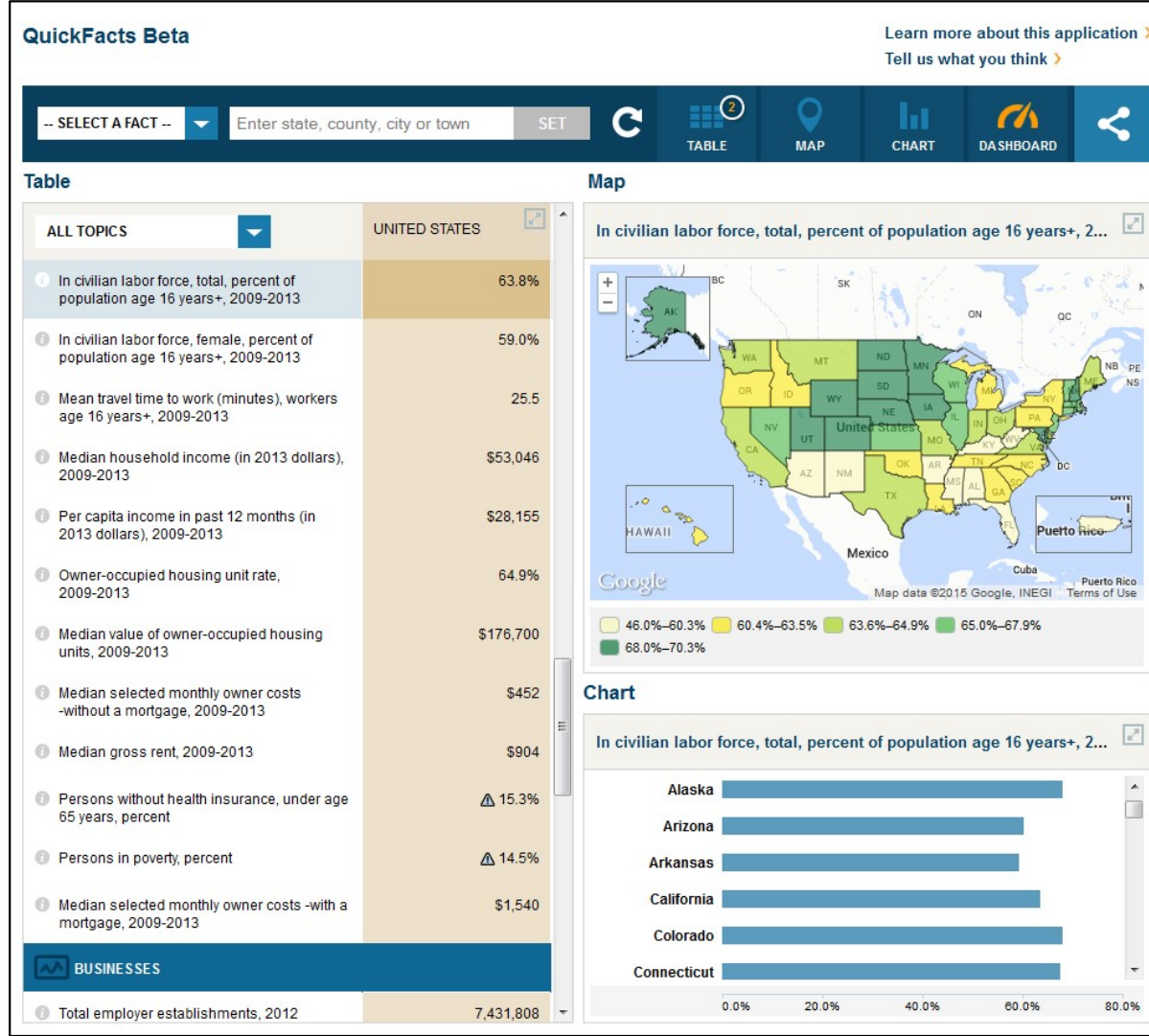


### When to use:

Browse statistics presented as a text-based report with plenty of colorful graphs and charts.

[census.gov/acs/www/data/data-tables-and-tools/narrative-profiles](http://census.gov/acs/www/data/data-tables-and-tools/narrative-profiles)

# QuickFacts



**When to use:**  
Find a fact fast. View selected estimates about social, economic, and housing characteristics for all states and counties, and for cities with more than 5,000 people.

[census.gov/quickfacts](https://census.gov/quickfacts)

# My Congressional District

The screenshot shows the 'My Congressional District' web application. At the top, there is a blue silhouette of the U.S. Capitol dome with a red banner that says '114th Congress'. Below this, the title 'My Congressional District' is displayed in red. The interface includes two dropdown menus: the first is labeled '1 Select a State' and the second is labeled '2'. To the right of these menus are icons for 'People', 'Workers', 'Housing', 'Socio-Economic', 'Education', and 'Business'. A map of the United States is shown on the left side. A text box on the right explains that the application provides quick and easy access to selected statistics collected by the U.S. Census Bureau through the American Community Survey (ACS) and County Business Patterns (CBP). It also mentions that the application is powered by ACS and CBP data through the Census Application Programming Interface (API). At the bottom, the United States Census Bureau logo is displayed, along with the text 'U.S. Department of Commerce Economics and Statistics Administration U.S. CENSUS BUREAU census.gov' and 'POWERED BY The American Community Survey and County Business Patterns'.

Tell us what you think

114th Congress

My Congressional District

1 Select a State

2

People Workers Housing Socio-Economic Education Business

My Congressional District gives you quick and easy access to selected statistics collected by the U.S. Census Bureau through the American Community Survey (ACS) and County Business Patterns (CBP). The ACS provides detailed demographic, social, economic, and housing statistics every year for the nation's communities. CBP provides annual statistics for businesses with paid employees at a detailed geography and industry level. My Congressional District is powered by ACS and CBP data through the Census Application Programming Interface (API).

Sources: 2015 American Community Survey 1-Year Estimates and 2014 County Business Patterns

United States Census Bureau

U.S. Department of Commerce  
Economics and Statistics Administration  
U.S. CENSUS BUREAU  
census.gov

POWERED BY  
The American Community Survey and County Business Patterns

**When to use:**  
Access selected statistics about your Congressional district collected through the American Community Survey (ACS) and County Business Patterns (CBP).

[census.gov/mycd/](https://census.gov/mycd/)



# My Tribal Area

Tell us what you think >

## My Tribal Area

Enter name of Tribal Area  
OR

1. Select a State

2.

People Jobs Housing Economy Education

The Census Bureau collects data for the American Indian and Alaska Native (AIAN) population and publishes specific counts, estimates, and statistics. My Tribal Area gives you quick and easy access to selected statistics from the American Community Survey (ACS). The ACS provides detailed demographic, social, economic, and housing statistics every year for the nation's communities. My Tribal Area is powered by the Census Application Programming Interface (API).

Source: 2011-2015 American Community Survey 5-Year Estimates

U.S. Department of Commerce  
Economics and Statistics Administration  
U.S. CENSUS BUREAU  
census.gov

POWERED BY  
The American Community Survey

Glossary >

### When to use:

The Census Bureau collects data for the American Indian and Alaska Native (AIAN) population and publishes specific counts, estimates, and statistics. My Tribal Area gives you quick and easy access to selected statistics from the American Community Survey.

[census.gov/tribal/](https://census.gov/tribal/)

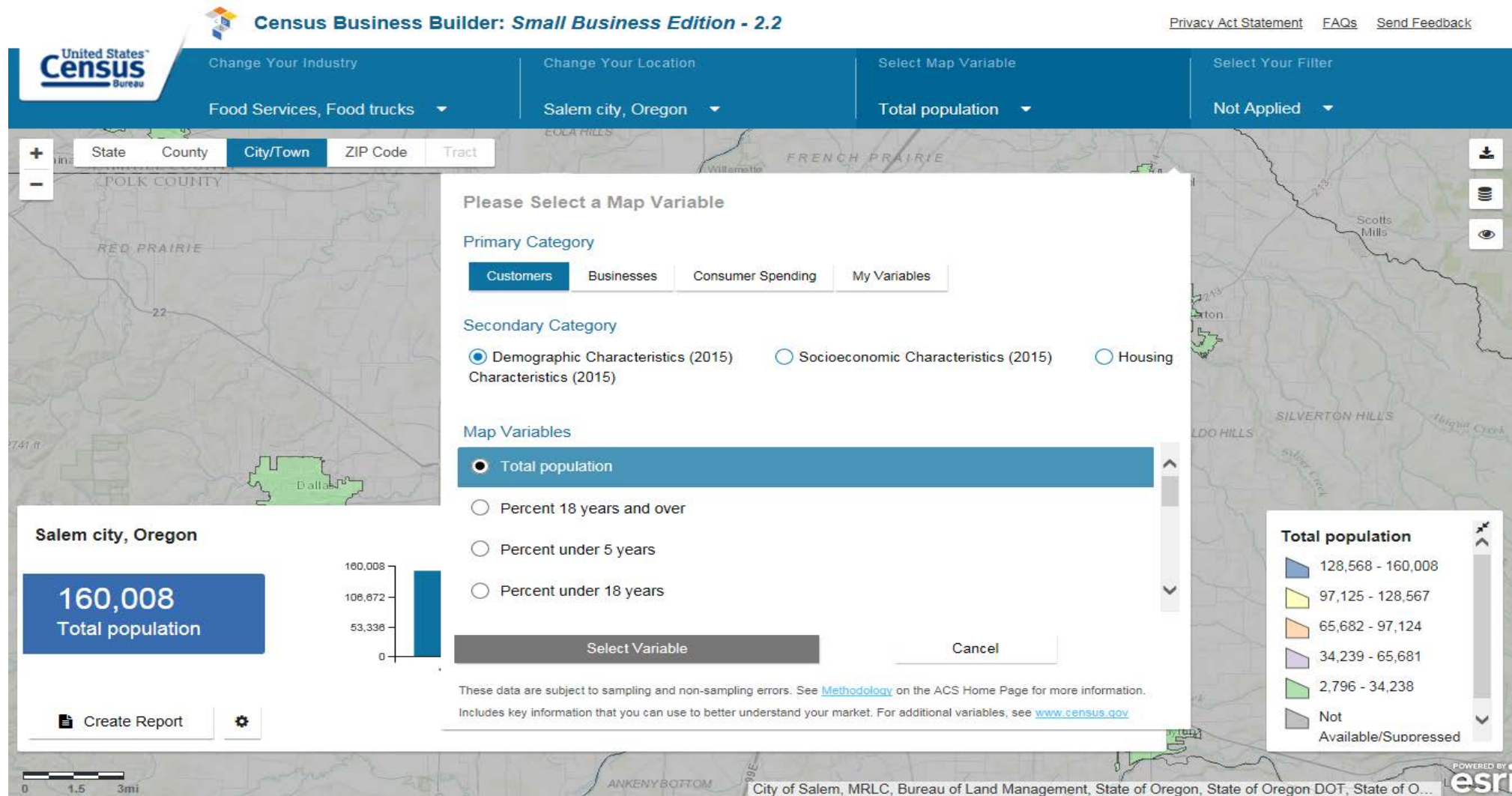
# American FactFinder



**When to use:**  
Search all ACS data for  
all geographies down to  
the block group level

[factfinder.census.gov](https://factfinder.census.gov)


# Census Business Builder



**When to use:**  
Offers prospective business owners selected Census Bureau statistics to guide their research into opening their new business.


[census.gov/data/data-tools/cbb](https://census.gov/data/data-tools/cbb)


# Preview New Data Dissemination on [Data.census.gov](https://data.census.gov)



## Explore Census Data

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

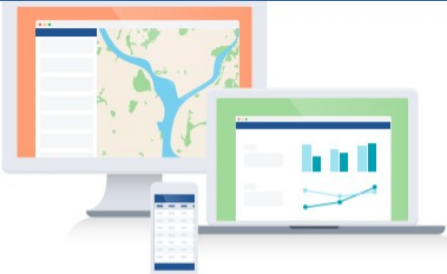




### Help us build this experience

Your input is important as we develop this platform. Start searching and let us know how we can make your experience better.

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



\*For official statistics, continue to use existing data tools on [census.gov](https://census.gov), such as American FactFinder

# Economic Census



# Economic Census

- Done on the years ending in “2” and “7”
- Covers **employer businesses** in the U.S.
- Covers businesses in all NAICS sectors except:
  - Agriculture
  - Public Sector
  - Other selected exclusions (see [census.gov/econ/census/help/naics\\_other\\_classification\\_systems/codes\\_not\\_covered.html](https://www.census.gov/econ/census/help/naics_other_classification_systems/codes_not_covered.html))

# The Econ Census Offers...

- Over 200 unique industry statistics
- National-, state-, metro-, county-, place-, and ZIP
  - Code-level data (varies by sector)
- Industry detail: 2- thru 6-digit NAICS codes
- Additional cross-tabs, including:
  - Business employment and sales size
  - Taxable and tax exempt business
- Very accurate

# 2017 Economic Census Timeline

- Cover business conducted during CY 2017
  - Data collection starts early 2018
  - Ends mid 2018
- Response promotion starting now!
  - Data dissemination starts December 2018
  - Ends mid-2020



# Summary

- Census economic data can help you and your customers understand the U.S. economy
- The **2012 Economic Census** provides a wealth of data for you and your users
- <http://www.census.gov/econ/> site has a lot of useful materials for you and your users
- Various **tools** to access the data

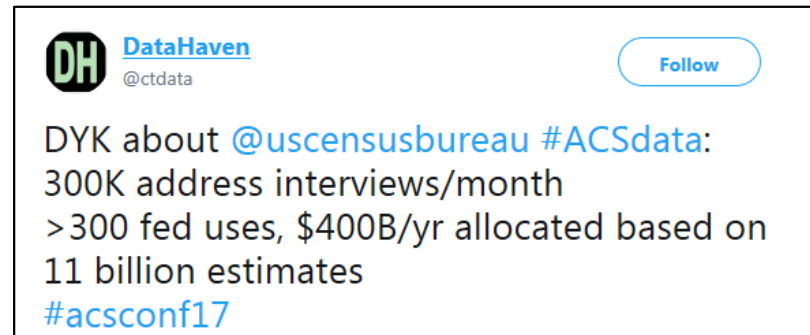
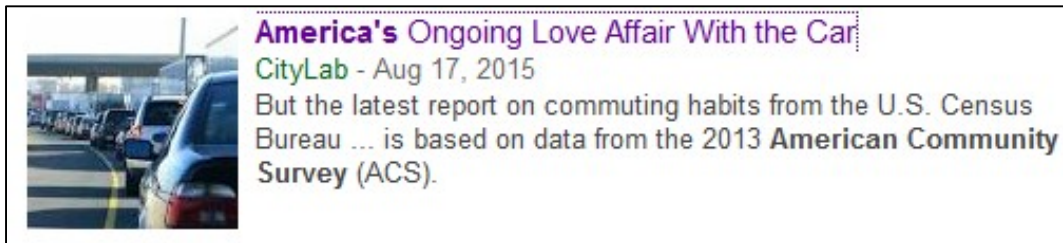
# Source Us

## *U.S. Census Bureau's 2015 American Community Survey*

- *2015 American Community Survey 1-year estimates*
- *2011-2015 American Community Survey 5-year estimates*

#ACSdata

@uscensusbureau



# Continue the Conversation #ACsdata



Sign up for and manage alerts at  
<https://public.govdelivery.com/accounts/USCENSUS/subscriber/new>



More information on the  
American Community Survey:  
<https://www.census.gov/acs>



Census (Non-media inquiries)  
800-923-8282

Public Information Office (Media)  
301-763-3030



[facebook.com/uscensusbureau](https://facebook.com/uscensusbureau)



[twitter.com/uscensusbureau](https://twitter.com/uscensusbureau)



[youtube.com/user/uscensusbureau](https://youtube.com/user/uscensusbureau)



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# Resources: Need Assistance?

U.S. Census Bureau  
Data Dissemination Specialist



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# Questions?



Thank  
You