2011-2015 American Community Survey (ACS) 5-Year Estimates

Pre-Embargo Webinar December 5, 2016

Access the Audio

Toll free number: 1-888-396-9971

Participant passcode: 7775876



Speakers

Host

Shelly Hedrick

Special Assistant

Communications Directorate

Presenter | KaNin Reese

Survey Statistician

Social, Economic, and Housing Statistics

Division

Webinar Outline

- Upcoming ACS Data Releases
- ACS Basics
- 5-Year ACS Geography and Products
- ACS Documentation
- Rural America
- Q&A



Upcoming ACS Data Releases

ACS Data Release

MEDIA EMBARGO: Tuesday, December 6, 2016

Embargo Includes 2011-2015 ACS 5-Year Estimates:

- 5-Year Data Products (including **NEW** 5-Year Comparison Profiles)
- 5-Year Summary File

PUBLIC RELEASE: Thursday, December 8, 2016

Release Includes 2011-2015 ACS 5-Year Estimates:

- 5-Year Data Products
- 5-Year Summary File
- Narrative Profile
- DataFerrett, API, QuickFacts

Thursday, December 8th

- ACS and Geography Brief:
 - Defining Rural at the U.S. Census Bureau
- ACS Blogs:
 - Life Off the Highway: A Snapshot of Rural America
 - The Foreign-Born by Rural Status of Counties: 2011-2015
 - Homes on the Range: Homeownership Rates Are Higher in Rural America
 - Beyond the Farm: Rural Industry Workers in America
 - Household Income and Poverty for the Rural Population
 - A Glance at the Age Structure and Labor Force Participation of Rural America
- County Lookup Table
 - Defines counties as completely rural, mostly rural or mostly urban

Upcoming ACS Releases

January 10th

Veterans in Rural America Report

January 19th

- 5-Year Public Use Microdata Sample (PUMS)
- Puerto Rico Community Survey with 1- and 5-Year Spanish translations
- 2011-2015 ACS 5-Year Variance Replicate Estimate Tables

2011-2015 ACS 5-Year Variance Replicate Estimate Tables

- Expanded versions of Detailed Tables in American FactFinder
- Include a set of 80 variance replicate estimates to calculate margins of error when combining ACS estimates within table or between geographies
- Access via FTP site with links in American FactFinder

http://www.census.gov/programs-surveys/acs/data/variance-tables.html

ACS Basics

The American Community Survey

- Ongoing survey that samples about 3.5 million addresses per year
- Collects data on a wide range of demographic, social, economic, and housing characteristics
- Designed to produce critical information that was previously collected in the decennial census
- Fully implemented in 2005
- Publishes annual estimates for small geographic areas and population groups

ACS Content

Social

Education Marital Status Fertility Veterans Disability Citizenship Language Migration

Employment Status Income Poverty Commuting Occupation & Industry Health Insurance

Economic

Class of Worker

Tenure (Own/Rent) Occupancy & Structure Home Value Costs (Mortgage, Taxes, Insurance) Utilities Plumbing/Kitchen Facilities

Housing

Sex Age Race Hispanic Origin Relationship to Householder

Demographic



5-Year Estimates

- Describe the average characteristics over a specific period of time, not a single point in time
- Data are pooled across 60 months, weighted to produce estimates, and controlled for age, sex, race, and Hispanic origin
 - 5-year estimates are NOT an average of 1-year estimates
- Estimates are based on geographic boundaries as of January 1 of the last year in the 5-year period
- Dollar-value estimates are inflation adjusted to the most recent year for the period

Availability of ACS Data Products

Estimated Population of Geographic Area	1-Year Estimates	*New Product 1-Year Supplemental Estimates	5-Year Estimates
65,000 or more	X	X	X
20,000 or more		X	X
Less than 20,000			X
Release Date	September 15, 2016	October 20, 2016	December 8, 2016



When to Use 5-Year Estimates?

- No 1-year estimate is available
- Margins of error for 1-year estimates are larger than desired
- Analyzing data for small population groups
- Comparing various geographies when one or more of them do not receive 1-year estimates

5-Year Comparisons

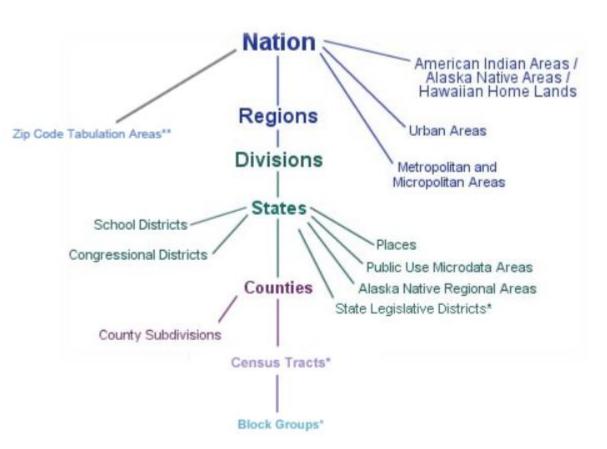
- Only compare non-overlapping time periods (e.g., 2011-2015 and 2006-2010)
- Only compare estimates from the same dataset (e.g., 5-Year to 5-Year)
- Compare across geographies and subpopulations
- Compare percentages, means, medians and rates whenever possible

5-Year ACS Geography and Products



5-Year Geography

- All geographic areas down to the tract and block group level
- Over 578,000 geographic areas
- 87 different summary levels available



census.gov/programs-surveys/acs/geography-acs.html

ACS Geography Update

County name changes:

South Dakota

Shannon County



Oglala Lakota County (FIPS 46102)

Alaska

Wade
Hampton
Census Area



Kusilvak Census Area (FIPS 02158)

census.gov/programs-surveys/acs/technical-documentation/table-andates* | U.S. Department of Commerce geography-changes.html

5-Year Data Products

Data Profiles

(Social, Economic, Housing, Demographic)

- Comparison Profiles (5)
 (2011-2015 and 2006-2010)
- Geographic Comparison Tables (92)
- Subject Tables (81)
- Detailed Tables (1,045)
- Narrative Profiles
- Data Tools
 (API, DataFerret, QuickFacts, My
 Tribal Area, Census Business Builder)

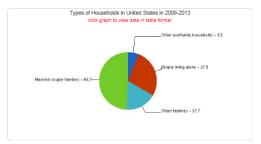
	Occupied housing units	
Subject	Estimate	Margin of Error
Occupied housing units	116,291,033	+/-141,632
UNITS IN STRUCTURE		
1, detached	62.8%	+/-0.1
1, attached	6.0%	+/-0.1
2 apartments	3.6%	+/-0.1
3 or 4 apartments	4.4%	+/-0.1
5 to 9 apartments	4.7%	+/-0.1
10 or more apartments	12.7%	+/-0.1
Mobile home or other type of housing	5.8%	+/-0.1

YEAR STRUCTURE BU
2010 or later
2000 to 2009
1980 to 1999
1960 to 1979
1940 to 1959
1939 or earlier

▶ Households and Families

In 2009-2013 there were 115.6 million households in United States. The average household size was 2.6 people.
Families made up 68 percent of the households in United States. This figure includes both married-ocuple families (49 percent) and other families (18 percent), of other families. To percent are female households framilies with ho huseholds and present and own children under 18 years. Norfamily households made up 34 percent of all households in United States (Most of the norfamily households were people living alone, but some were composed of people living in households.)

In United States, 33 percent of all households have one or more people under the age of 18; 25 percent of all household have one or more people 65 years and over.



Among persons 15 and older, 51 percent of males and 47 percent of females are currently marris

Population 15 years and over	Males	Females
Never married	35.4	29.1
Now married, except separated	50.6	47.0

ACS New Tables

- B09021: Living arrangements by age for adults 18 years and over
- B25031: Median gross rent by number of bedrooms for renteroccupied housing units
- B02014-B02019: New race tables with detailed information on AIAN, Asians, and NHPI.
- Subject Tables:
 - Health Insurance (S2703 & S2704)
 - Bachelor's Field of Degree (S1502)

	Line		
Table ID	Number	Description	
B02014		AMERICAN INDIAN AND ALASKA NATIVE ALONE FOR SELECTED TRIBAL GROUPINGS	
B02014		Universe: People who are American Indian and Alaska Native alone and people with no tribe reported	7
B02014	1	Total:	sh rent
B02014	2	American Indian tribes, specified:	
B02014	3	Apache	
B02014	4	Arapaho	1
B02014	5	Blackfeet	
B02014	6	Canadian and French American Indian	1
B02014	7	Central American Indian	1
B02014	8	Cherokee	1
B02014	9	Cheyenne	1
B02014	10	Chickasaw	T
B02014	11	Chippewa	Ī
B02014	12	Choctaw	1
B02014	13	Colville	
B02014	14	Comanche	
B02014	15	Cree	
B02014	16	Creek	Γ
B02014	17	Crow	
B02014	18	Delaware	
B02014	19	Норі	1
B02014	20	Houma	1
B02014	21	Iroquois	1
B02014	22	Kiowa	1
B02014	23	Lumbee	
B02014	24	Menominee	Ī
B02014	25	Mexican American Indian	7
B02014	26	Navajo	1
B02014	27	Osage	1
B02014	28	Ottawa	1

www2.census.gov/programs-surveys/acs/tech_docs/table_shells/2015/



ACS Noteworthy Data Product Modifications

Housing:

- Year-based distributions updated:
 - Year Structure Built was expanded to "2014 or later"
 - Year Moved Into Unit was expanded to "2015 or later"
- Upper distribution categories were expanded for several monetary variables:
 - Gross rent (\$3,500 or more)
 - Housing value (\$2 million or more)
 - Selected monthly owner costs (SMOC)
 - With a mortgage (\$4,000 or more)
 - Without a mortgage (\$1,500 or more)
 - Monthly Housing Costs (\$3,000 or more)

Foreign Born:

 B05002: Lists regions of birth for each foreign born citizenship category

census.gov/programs-surveys/acs/technical-documentation/table-and-geography-

ACS Subject Table Improvements

- Expanded:
 - Topic content
 - Data format (totals now accompany percentages)
- The following Subject Tables were improved:

Education S1401, S1501

• Language S1601, S1602, S1603

• Poverty \$1701, \$1702

• Disability S1810

SNAP/Food Stamps S2201

Veterans S2101

• Labor Force S2301, S2302, S2303

Industry and Occupation S2401-S2404, S2408, S2409,

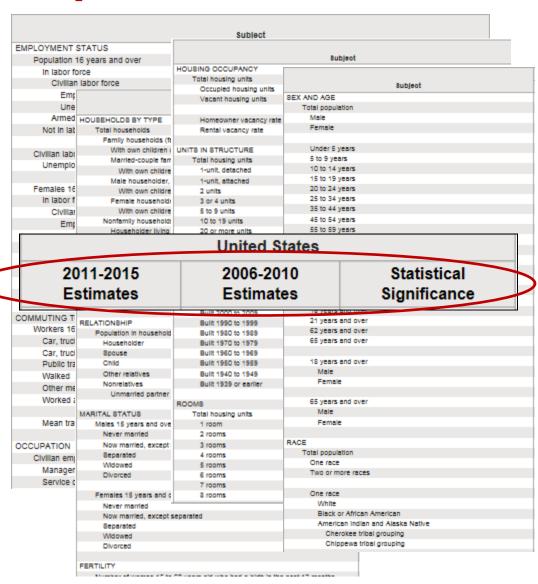
S2411-S2414, S2418, S2419

Health Insurance S2701

census.gov/programs-surveys/acs/technical-documentation/table-and-geography-States" | U.S. Department of Commerce changes.2015.html

NEW 5-Year Comparison Profiles

- New product based on media and data user requests
- 5 profiles compare current
 5-Year period (2011-2015)
 with most recent nonoverlapping period (2006-2010) with significance testing
- Available for nation, states, congressional districts, metro/micro areas, counties and places with populations 5,000 or more



5-Year Methodology Improvements

- Dollar-based median and quintile limit tables with margins of error greater than the estimate are now suppressed
 - Based on extensive data quality review and data user feedback
 - Distribution tables and aggregate tables will continue to be available for <u>all</u> geographies
- Median distributions expanded for many housing variables (e.g., monthly rent, housing value, Selected Monthly Owner Costs (SMOC)

American FactFinder (AFF)



Popular Tables

Population and Housing

- Annual Population Estimates (2015 PEP, PEPANNRES)
- Demographic and Housing Estimates (2014 ACS, DP05)
- General Housing Characteristics (2014 ACS, DP04)
- General Demographic Characteristics (2010 Census, DP-1)

Poverty and Income

General Economic Characteristics (2014 ACS, DP03)

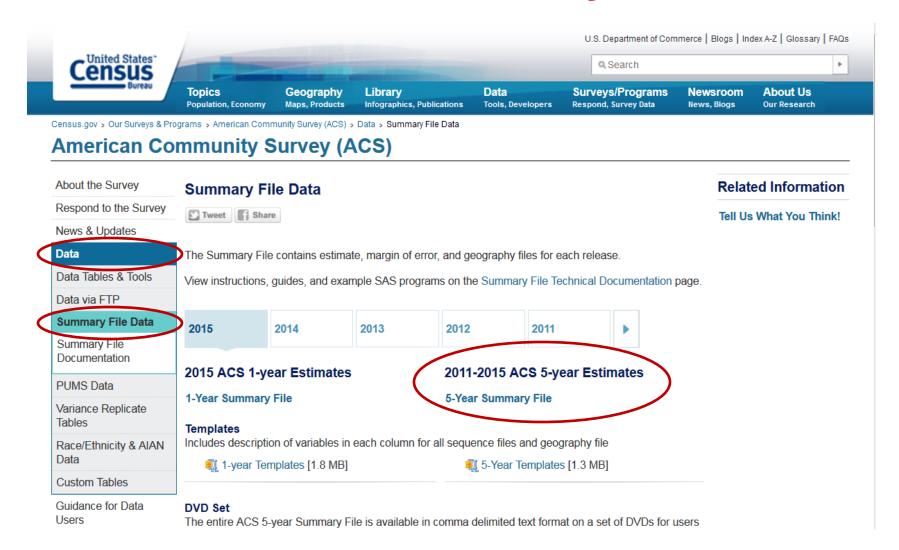
Age, Race, Sex and Education

- Selected Social Characteristics (2014 ACS, DP02)
- Educational Attainment (2014 ACS, \$1501)

factfinder.census.gov



5-Year Summary File







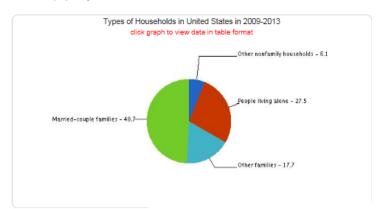
Narrative Profile

Households and Families

In 2009-2013 there were 115.6 million households in United States. The average household size was 2.6 people

Families made up 86 percent of the households in United States. This figure includes both married-couple families (49 percent) and other families (18 percent). Of other families, 7 percent are female householder families with no husband present and own children under 18 years. Norifamily households made up 34 percent of all households in United States. 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 United States, 33 percent of all households have one or more people under the age of 18; 25 percent of all households have one or more people 65 years and over.



Language

Among people at least five years old living in United States in 2009-2013, 21 percent spoke a language other than English at home. Of those speaking a language other than English at home, 62 percent spoke Spanish and 38 percent spoke some other language; 42 percent reported that they did not speak English "very well."



Among persons 15 and older, 51 percent of male

Population 15 years and Never married Now married, except sepa

Employment Status and Type of Employer

In United States, 58 percent of the population 16 and over were employed; 36 percent were not currently in the labor force.

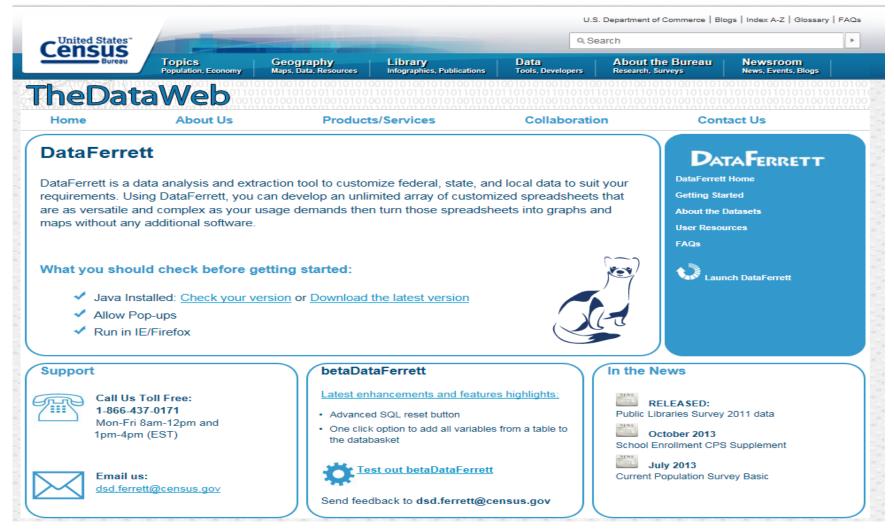
An estimated 79 percent of the people employed were private wage and salary workers; 15 percent were federal, state, or local government workers; and 6 percent were self-employed in their own (not incorporated) business.

Class of worker	Number	Percent
Private wage and salary workers	111,790,351	78.8
Federal, state, or local government workers	21,087,459	14.9
Self-employed workers in own not incorporated business	8,775,721	6.2

census.gov/acs/www/data/data-tables-and-tools/narrative-profiles/



DataFerrett



dataferrett.census.gov



Application Programming Interface (API)



Census.gov > Data > Developers

Developers

About this Section

API Forum

App Gallery

Available APIs

Geography

News

Terms of Service

Updates



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.

Read More









Latest

Available APIs News Updates

American Community Survey 1-Year Data (2011-2015)

September 15, 2016

Areas with populations of 65,000+. Covers a broad range of topics about social, economic, demographic, and housing characteristics of the U.S. population.

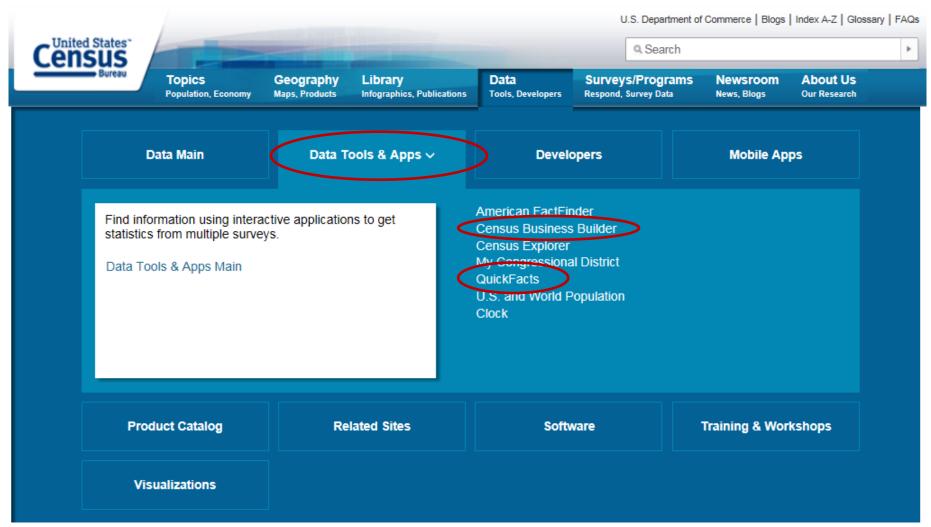


Data Tool Updates



U.S. CENSUS BUREAU census.gov

Accessing Data Tools



www.census.gov



ACS Documentation

ACS Website



Census.gov Our Surveys & Programs American Community Survey (ACS)

American Community Survey (ACS)

About the Survey

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News & Updates

Data

Guidance for Data Users

Geography & ACS

Technical Documentation

Methodology

Library

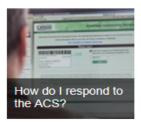
Operations and Administration

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.









Latest

Data	News	Events	Library

2015 Data Release

Learn more about ACS data releases, including the 5-year data release on December 8th for all geographies.

2015 ACS 1-Year Supplemental Estimates

Discover 2015 ACS 1-year supplemental estimates. New data is available for

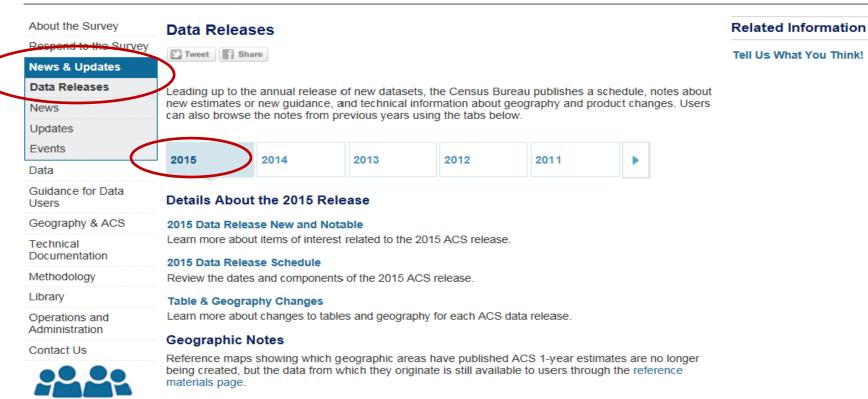


Data Release Information



Census.gov 5 Our Surveys & Programs 5 American Community Survey (ACS) 5 News & Opdates 5 Data Release

American Community Survey (ACS)



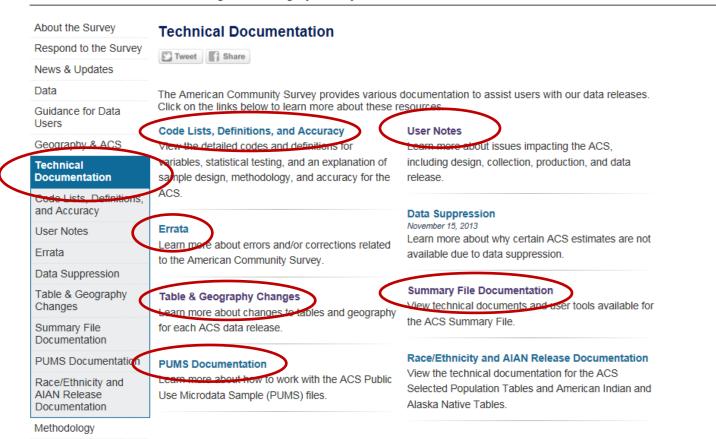
census.gov/programs-surveys/acs/news/data-releases.html



Technical Documentation



American Community Survey (ACS)



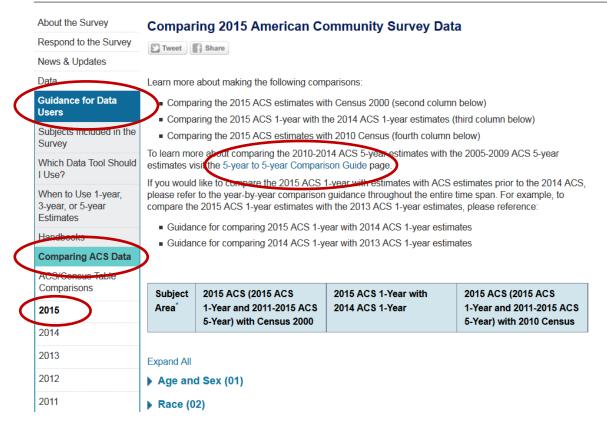
census.gov/programs-surveys/acs/technical-documentation.html



Comparison Guidance



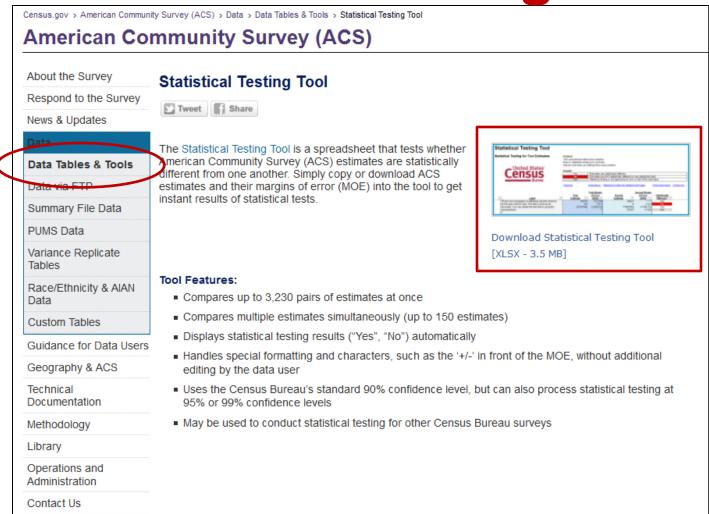
American Community Survey (ACS)



census.gov/programs-surveys/acs/guidance/comparing-acs-data/2015.html



Statistical Testing Tool

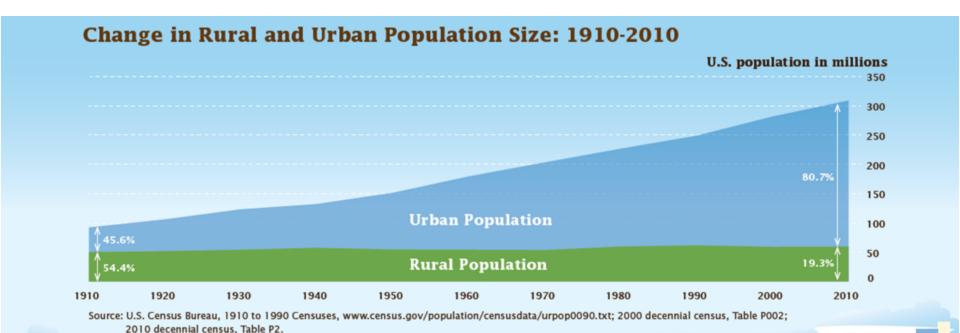


census.gov/programs-surveys/acs/data/data-tables-and-tools/statistical-testing-tool.html



Rural America

Our Changing Landscape





Characteristics of the Rural Population

- Rural urban infographic
- Geographic report on how rural is defined
- County and state blogs highlighting selected geography and characteristics of the rural population
- Series of state and county maps
- County Look-Up Table showing which counties are 100% rural, mostly rural, and mostly urban



Accessing Rural Data:



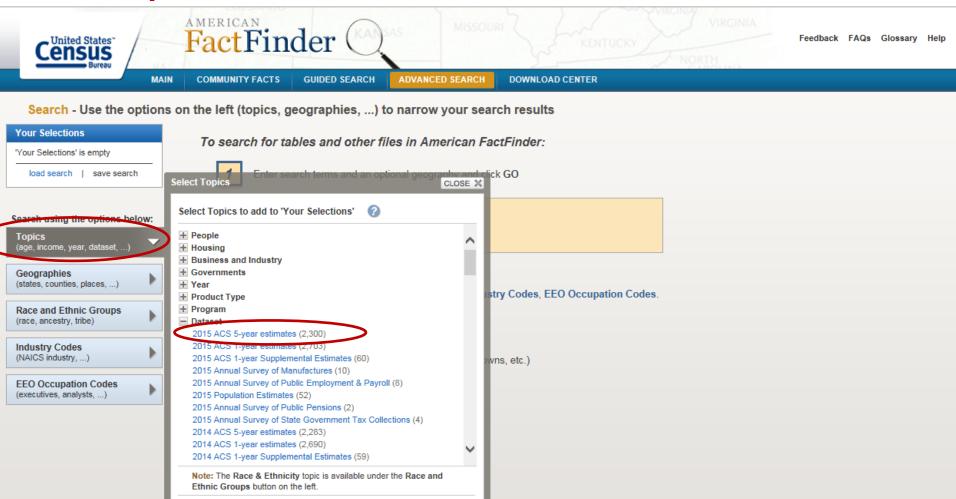
American FactFinder provides access to data about the United States, Puerto Rico and the Island Areas. The data **News and Notes**





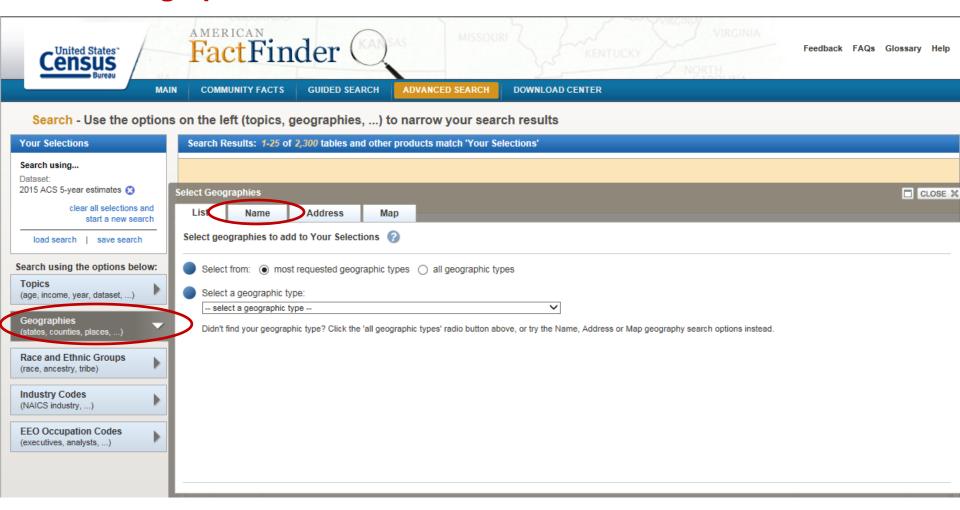
1. Dataset

Select Topics and then Dataset.



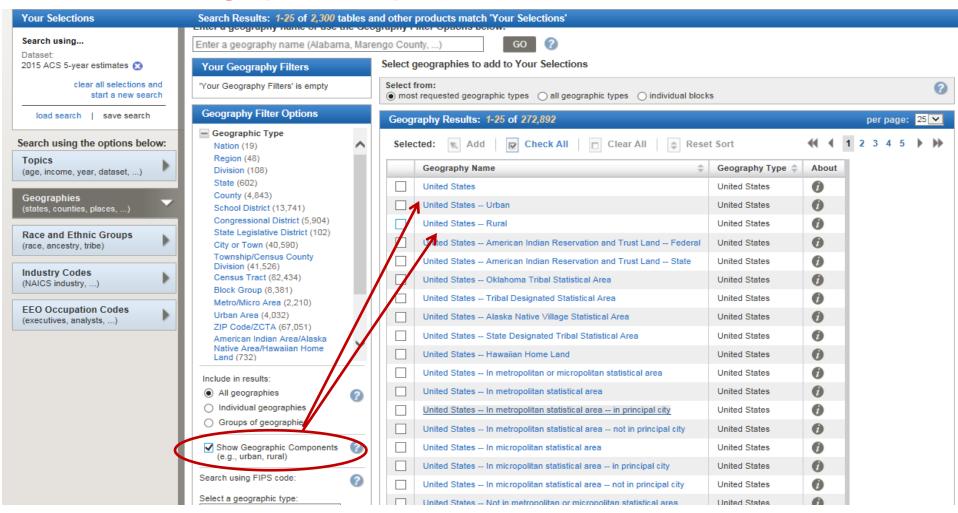
2. Geography

Select Geographies, then the Name tab.



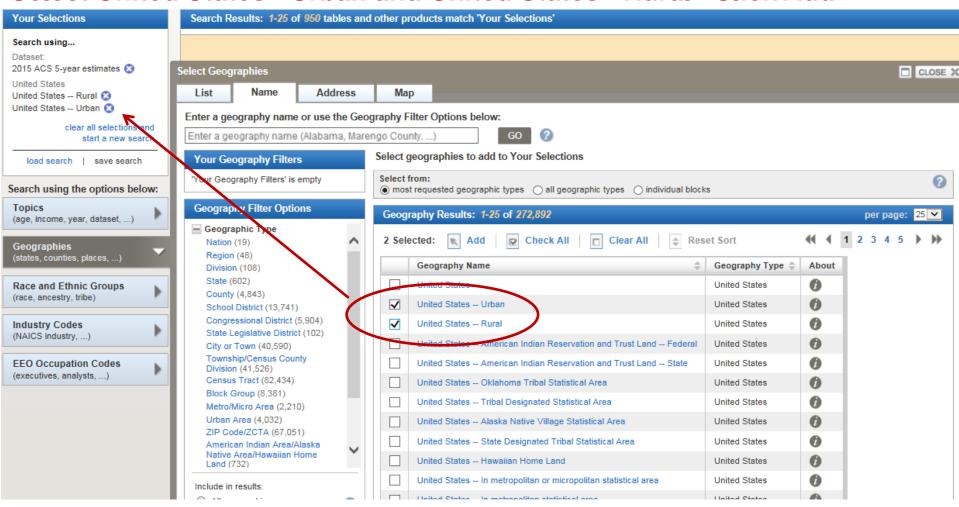
3. Components

Click Show Geographic Components. Then Urban and Rural.

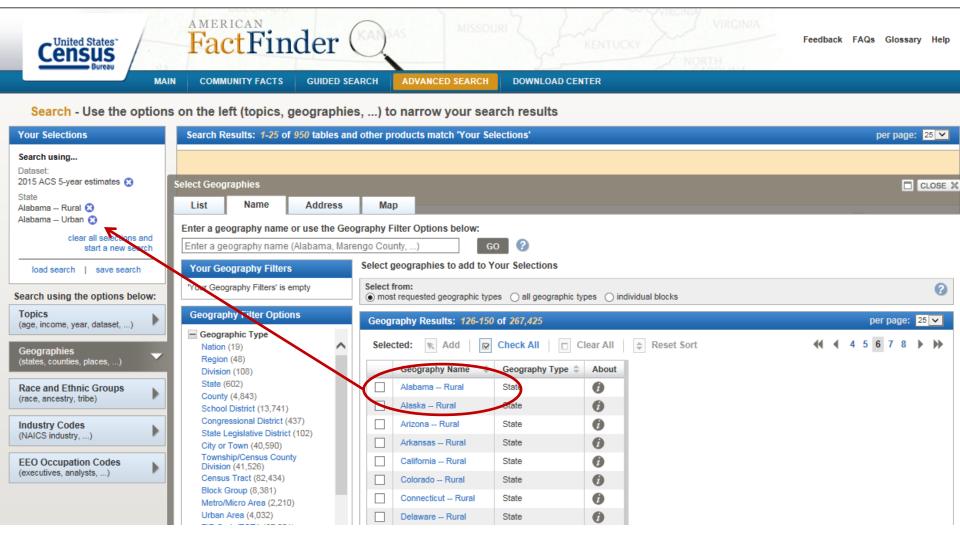


4. Urban and Rural

Select United States - Urban and United States - Rural. Click Add.

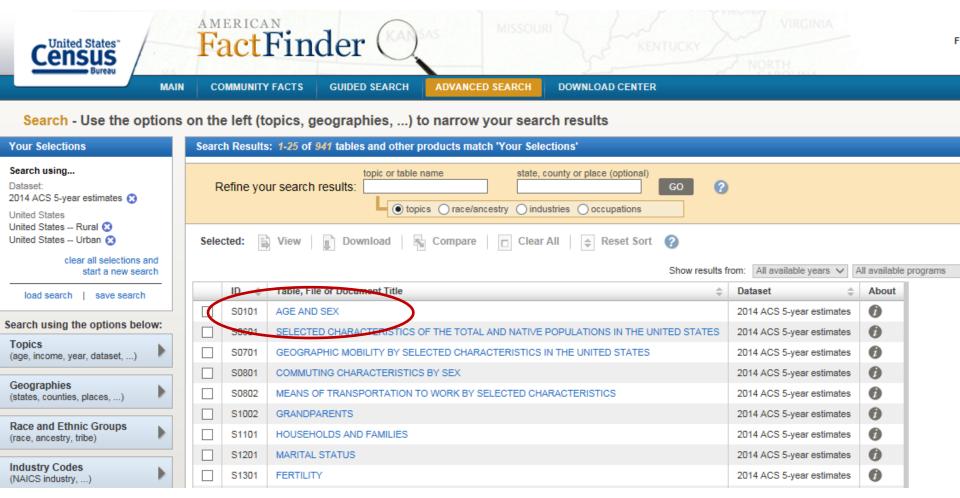


Also Available for Regions and States



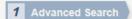
6. Search Results

Select your table. Or search by topic.



7. Data

Advanced Search - Search all data in American FactFinder



Actions: Modify Table



Result 2 of 2

VIEW ALL AS PDF

S0101

AGE AND SEX (1)

2010-2014 American Community Survey 5-Year Estimates

Table View !!!

Add/Remove Geographies





Download

Create a Map



View Geography Notes

United States - Rural



◆ BACK TO ADVANCED SEARCH

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

United States Urban

Versions of this table are available for the following years:

~	Cubicot		United States Orban						United States Rurai				
1		Total		Male		Female		Total		Male		remale	
36 of 36		Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error
	Total population	254,221,266	+/-45,593	124,198,744	+/-26,682	130,022,522	+/-29,160	59,885,818	+/-45,623	30,316,415	+/-27,129	29,569,403	+/-29,418
×	AGE												
	Under 5 years	6.6%	+/-0.1	6.9%	+/-0.1	6.3%	+/-0.1	5.4%	+/-0.1	5.5%	+/-0.1	5.3%	+/-0.1
	5 to 9 years	6.6%	+/-0.1	6.9%	+/-0.1	6.3%	+/-0.1	6.2%	+/-0.1	6.2%	+/-0.1	6.1%	+/-0.1
	10 to 14 years	6.6%	+/-0.1	6.9%	+/-0.1	6.3%	+/-0.1	6.7%	+/-0.1	6.8%	+/-0.1	6.6%	+/-0.1
	15 to 19 years	6.9%	+/-0.1	7.2%	+/-0.1	6.6%	+/-0.1	6.6%	+/-0.1	6.8%	+/-0.1	6.3%	+/-0.1
	20 to 24 years	7.5%	+/-0.1	7.8%	+/-0.1	7.3%	+/-0.1	5.4%	+/-0.1	5.7%	+/-0.1	5.1%	+/-0.1
	25 to 29 years	7.3%	+/-0.1	7.5%	+/-0.1	7.1%	+/-0.1	5.0%	+/-0.1	5.1%	+/-0.1	4.8%	+/-0.1
	30 to 34 years	6.9%	+/-0.1	7.1%	+/-0.1	6.8%	+/-0.1	5.4%	+/-0.1	5.4%	+/-0.1	5.3%	+/-0.1
	35 to 39 years	6.5%	+/-0.1	6.6%	+/-0.1	6.4%	+/-0.1	5.6%	+/-0.1	5.7%	+/-0.1	5.6%	+/-0.1
	40 to 44 years	6.7%	+/-0.1	6.8%	+/-0.1	6.6%	+/-0.1	6.5%	+/-0.1	6.5%	+/-0.1	6.5%	+/-0.1
	45 to 49 years	6.8%	+/-0.1	6.8%	+/-0.1	6.7%	+/-0.1	7.5%	+/-0.1	7.5%	+/-0.1	7.5%	+/-0.1
	50 to 54 years	6.9%	+/-0.1	6.9%	+/-0.1	6.9%	+/-0.1	8.3%	+/-0.1	8.3%	+/-0.1	8.4%	+/-0.1
	55 to 59 years	6.2%	+/-0.1	6.1%	+/-0.1	6.4%	+/-0.1	7.9%	+/-0.1	7.9%	+/-0.1	8.0%	+/-0.1
	60 to 64 years	5.4%	+/-0.1	5.2%	+/-0.1	5.6%	+/-0.1	7.2%	+/-0.1	7.1%	+/-0.1	7.2%	+/-0.1
	65 to 69 years	4.1%	+/-0.1	3.9%	+/-0.1	4.3%	+/-0.1	5.7%	+/-0.1	5.7%	+/-0.1	5.8%	+/-0.1
	70 to 74 years	2 N0/	±/ 0.1	2 00%	±/ N 1	2 204	±/01	/ DO/	±/ 0.1	/ 10/	±/ n 1	/ 20/s	±/ 0.1



Questions?

Dial *1 for the Operator









2017 ACS DATA USERS CONFERENCE

U.S. Patent and Trademark Office | May 11-12, Alexandria, VA



https://acsdatacommunity.prb.org/





Purpose:

- Improve understanding of the value and utility of ACS data.
- Promote information sharing among data users about key ACS data issues and applications
- Membership is free and open to all interested ACS data users
- Webinars and special sessions at professional meetings planned
- Users group website and online community

acsdatausers.org

Need Local Stats or Training?

We Can Help!



■ pio@census.gov



- State Data Centers & Census Information Centers
 - clmso.dub.office.group.list@census.gov

Questions?

Dial *1 for the Operator



* Please Stay to Fill Out an Online EVALUATION FORM

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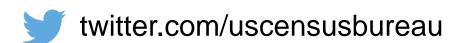
Press Kit



Continue the Conversation #ACSData







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Evaluation

