

2012-2016 American Community Survey (ACS) 5-Year Estimates

Pre-Embargo Webinar
November 28, 2017

Access the Audio

Toll free number: 1-888-972-9338
Participant passcode: 7803057

Speakers

Host

Kristina Barrett

Public Affairs Specialist

Public Information Office

Presenter

Justin Keller

Survey Statistician

American Community Survey Office

Webinar Outline

- Upcoming ACS Data Releases
- ACS Basics
- 5-Year ACS Geography and Products
- ACS Documentation
- Q&A
- Accessing Block Group Data



Upcoming ACS Data Releases

ACS Data Release

MEDIA EMBARGO: Tuesday, December 5, 2017

- Embargo at 10 a.m. (EST), Includes 2012-2016 ACS 5-Year Estimates:
 - 5-Year Data Products (including 5-Year Comparison Profiles)

PUBLIC RELEASE: Thursday, December 7, 2017

- Release at 12:01 a.m. (EST), Includes 2012-2016 ACS 5-Year Estimates:
 - 5-Year Data Products (including 5-Year Comparison Profiles)
 - Narrative Profile
 - DataFerrett, API, QuickFacts

Thursday, December 7th

- News Release:
 - Highlights on commuting, income, poverty, gross rent
 - Estimates on the five new language categories introduced in 2016
- Blogs:
 - Examining the Effect of Off-Campus College Students on Poverty Rates
 - Gross Rents Continue to Rise
- News Graphics:
 - Limited English-speaking households by county / 5 new language categories
 - Average commute time and use of public transport in metropolitan areas
 - Interactive visualization tool showing data at the county level

Upcoming ACS Releases

- **January 18, 2018**
 - ACS 5-Year Public Use Microdata Sample (PUMS)
 - ACS 5-Year Variance Replicate Estimate Tables
 - 1-Year & 5-Year Spanish Versions of the Puerto Rico Community Survey

ACS Basics

The American Community Survey

- Ongoing survey that samples about 3.5 million addresses per year
- Collects data on a wide range of social, economic, housing, and demographic 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

Ancestry
Citizenship Status
Disability Status
Educational Attainment & School Enrollment
Fertility
Grandparents as Caregivers
Language Spoken at Home
Marital History; Marital Status
Migration/Residence 1 Year Ago
Period of Military Service
Place of Birth
Undergraduate Field of Degree
Veteran Status
Year of Entry

Demographic

Age
Hispanic or Latino Origin
Race
Relationship to Householder
Sex

Economic

Commuting (Journey to Work) & Place of Work
Employment Status
Food Stamps/SNAP
Health Insurance Coverage
Income and Earnings
Industry, Occupation, & Class of Worker
Poverty Status
Work Status Last Year

Housing

Bedrooms
Computer and Internet Use
House Heating Fuel
Kitchen Facilities
Occupancy/Vacancy Status
Occupants Per Room
Plumbing Facilities
Rent
Rooms
Selected Monthly Owner Costs
Telephone Service Available
Tenure (Owner/Renter)
Units in Structure
Value of Home
Vehicles Available
Year Householder Moved into Unit
Year Structure Built

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	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 14, 2017	October 19, 2017	December 7, 2017

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., 2012-2016 and 2007-2011)
- 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 Geography and Products

5-Year Geography

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



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

5-Year Data Products

- Data Profiles (5)

(Social, Economic, Housing, Demographic,
Selected Social Characteristics - Puerto Rico)

- Comparison Profiles (5)

(2012-2016 and 2007-2011)

- Geographic Comparison Tables (92)

- Subject Tables (78)

- Detailed Tables (1,046)

- Narrative Profiles

- Data Tools

(API, DataFerrett, QuickFacts, My Tribal Area,
Census Business Builder)

Subject	Occupied housing units	
	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

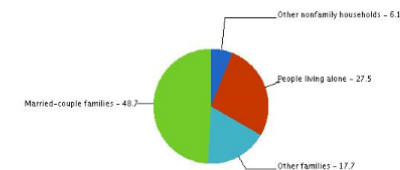
In 2009-2013 there were 115.6 million households in United States. The average household size was 2.6 people.

Families made up 66 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. Nonfamily 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.

Types of Households in United States in 2009-2013

[click graph to view data in table format](#)



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

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

Noteworthy Data and Product Improvements

- **Language Coding and Presentation Improvements:**
 - Expanded coding categories to conform to industry standards used by most translators
 - Allows better differentiation of language categories
 - Provides better data products for a variety of users
 - Maintains comparability over time with past language data, whenever possible

ACS New and Modified Tables

New Tables:

- **C16001:** Language Spoken at Home for Population 5 Years and Over
- **C16002:** Household Language by Household Limited English Speaking Status (formerly B16002)

Modified Tables:

- **B16001:** Language Spoken at Home by Ability to Speak English for the Population 5 Years and Over
- **B09021:** Title changed from Living Arrangements of Adults 18 Years and Over in the United States to Living Arrangements of Adults 18 Years and Over by Age
- **B98021:** Added a category for Maximum Contact Attempts Reached
- **B98031, B98032, B99*:** Revised terminology to state 'allocation' rather than 'imputation'

Table ID	Line Number	Description
		LANGUAGE SPOKEN AT HOME FOR THE POPULATION 5 YEARS AND OVER
C16001		<i>Universe: Population 5 years and over</i>
C16001	1	Total:
C16001	2	Speak only English
C16001	3	Spanish:
C16001	4	Speak English "very well"
C16001	5	Speak English less than "very well"
C16001	6	French, Haitian, or Cajun:
C16001	7	Speak English "very well"
C16001	8	Speak English less than "very well"
C16001	9	German or other West Germanic languages:
C16001	10	Speak English "very well"
C16001	11	Speak English less than "very well"
C16001	12	Russian, Polish, or other Slavic languages:
C16001	13	Speak English "very well"
C16001	14	Speak English less than "very well"
C16001	15	Other Indo-European languages:
C16001	16	Speak English "very well"
C16001	17	Speak English less than "very well"
C16001	18	Korean:
C16001	19	Speak English "very well"
C16001	20	
C16001	21	
		HOUSEHOLD LANGUAGE BY HOUSEHOLD LIMITED ENGLISH SPEAKING STATUS
C16001	22	<i>Universe: Households</i>
C16001	23	Total:
C16001	24	English only
C16001	25	Spanish:
C16001	26	Limited English speaking household
C16001	27	Not a limited English speaking household
C16001	28	Other Indo-European languages:
C16001	29	Limited English speaking household
C16001	30	Not a limited English speaking household
C16001	31	Asian and Pacific Island languages:
C16001	32	Limited English speaking household
C16001	33	Not a limited English speaking household
C16001	34	Other languages:
C16001	35	Limited English speaking household
C16001	36	Not a limited English speaking household
C16001	37	
C16001	38	

www2.census.gov/programs-surveys/acs/tech_docs/table_shells/2016/

2012-2016 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 a table or between geographies
- Access via FTP site with links in American FactFinder

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

5-Year Comparison Profiles

- Product based on media and data user requests
- 5 profiles compare current 5-Year period (2012-2016) with most recent non-overlapping period (2007-2011) with statistical significance testing
- Available for nation, states, congressional districts, metro/micro areas, counties and places with populations of 5,000 or more

Subject	United States		
	2011-2015 Estimates	2006-2010 Estimates	Statistical Significance
SEX AND AGE			
Total population	316,515,021	303,965,272	c
Male	49.2%	49.1%	*
Female	50.8%	50.9%	*
Under 5 years	6.3%	6.6%	*
5 to 9 years	6.5%	6.6%	*
10 to 14 years	6.5%	6.8%	*
15 to 19 years	6.7%	7.3%	*
20 to 24 years	7.1%	7.0%	*
25 to 34 years	13.5%	13.2%	*
35 to 44 years	12.8%	13.9%	*
45 to 54 years	13.9%	14.6%	*
55 to 59 years	6.6%	6.2%	*
60 to 64 years	5.8%	5.1%	*
65 to 74 years	7.9%	6.7%	*
75 to 84 years	4.3%	4.3%	*
85 years and over	1.9%	1.7%	*
Median age (years)	37.6	36.9	*
18 years and over	76.7%	75.6%	*
21 years and over	72.4%	71.2%	*
62 years and over	17.5%	15.6%	*
65 years and over	14.1%	12.7%	*

American FactFinder (AFF)

United States[™]
Census
Bureau

AMERICAN
FactFinder

MAIN COMMUNITY FACTS GUIDED SEARCH ADVANCED SEARCH DOWNLOAD CENTER

▼ **Community Facts**
Find popular facts (population, income, etc.) and frequently requested data about your community.
Enter a state, county, city, town, or zip code:

▶ **Guided Search**
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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 \(2014 ACS, S1501\)](#)

factfinder.census.gov

5-Year Summary File

Census.gov > Our Surveys & Programs > American Community Survey (ACS) > Data > Summary File Data

American Community Survey (ACS)

About the Survey

Respond to the Survey

News & Updates

Data

Data Tables & Tools

Data via FTP

Summary File Data

Summary File Documentation

PUMS Data

Variance Replicate Tables

Race/Ethnicity and American Indian & Alaska Native Data

Custom Tables

Summary File Data

Tweet Share

The Summary File contains estimate, margin of error, and geography files for each release.

View instructions, guides, and example SAS programs on the [Summary File Technical Documentation](#) page.

2016

2015

2014

2013

2012



2016 ACS 1-year Estimates

[1-Year Summary File](#)

Templates

Includes description of variables in each column for all sequence files and geography file

[1-year Templates](#) [1.8 MB]

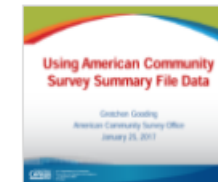
2012-2016 ACS 5-year Estimates

[5-Year Summary File](#)

[5-Year Templates](#) [1.3 MB]

Related Information

Tell Us What You Think!



[Using American Community Survey Summary File Data](#)
January 2017

census.gov/programs-surveys/acs/data/summary-file.html

Narrative Profile

Households and Families

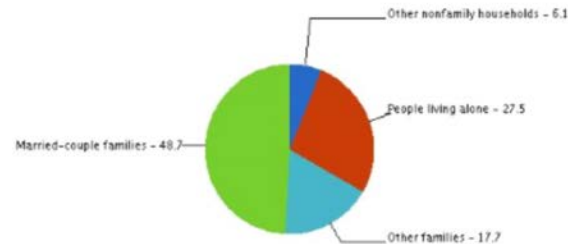
In 2009-2013 there were 115.6 million households in United States. The average household size was 2.6 people.

Families made up 66 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. Nonfamily 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.

Types of Households in United States in 2009-2013

[click graph to view data in table format](#)



Among persons 15 and older, 51 percent of men and 47 percent of women are married.

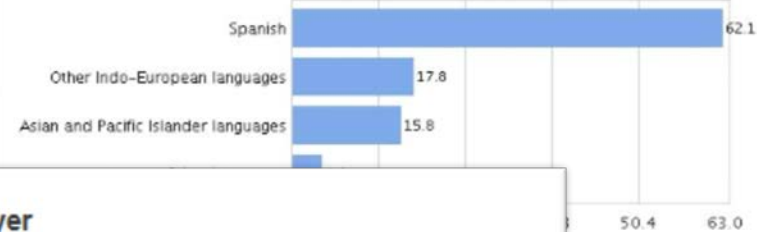
Population 15 years and over
Never married
Now married, except separated

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."

Percent of the Population 5 years and over who Speak a Language other than English in United States in 2009-2013

[click graph to view data in table format](#)



Employment Status and Type of Employer

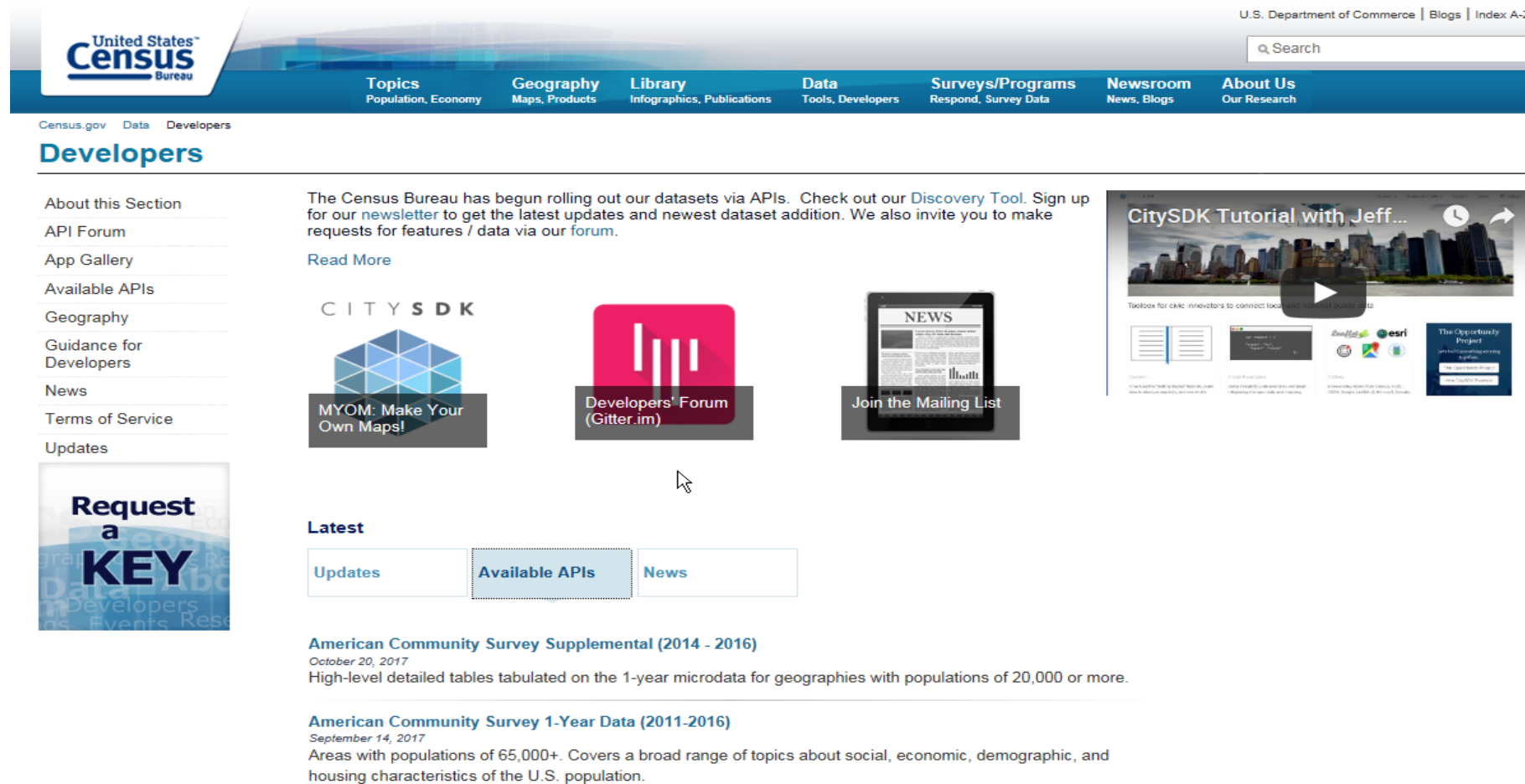
In United States, 58 percent of the population 16 and over were employed; 36 percent were not currently in the labor force.

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/

Application Programming Interface (API)



The screenshot shows the U.S. Census Bureau's Developers page. At the top is the Census Bureau logo and a navigation bar with links for Topics, Geography, Library, Data, Surveys/Programs, Newsroom, and About Us. Below this is a 'Developers' section header. On the left is a sidebar with links like 'About this Section', 'API Forum', and 'App Gallery'. The main content area features a paragraph about API datasets, a 'Read More' link, and three promotional tiles: 'CITY SDK', 'MYOM: Make Your Own Maps!', 'Developers' Forum (Gitter.im)', and 'Join the Mailing List'. Below these is a 'Latest' section with tabs for 'Updates', 'Available APIs', and 'News'. The 'Available APIs' tab is selected, showing two entries: 'American Community Survey Supplemental (2014 - 2016)' and 'American Community Survey 1-Year Data (2011-2016)', each with a date and a brief description.

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

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

Census.gov Data Developers

Developers

About this Section
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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](#)

CITY SDK

MYOM: Make Your Own Maps!

Developers' Forum (Gitter.im)

Join the Mailing List

CitySDK Tutorial with Jeff...

Latest

Updates Available APIs News

American Community Survey Supplemental (2014 - 2016)
October 20, 2017
High-level detailed tables tabulated on the 1-year microdata for geographies with populations of 20,000 or more.

American Community Survey 1-Year Data (2011-2016)
September 14, 2017
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

The screenshot shows the United States Census Bureau QuickFacts website. The header includes the Census Bureau logo and navigation links: Topics (Population, Economy), Geography (Maps, Products), Library (Infographics, Publications), Data (Tools, Developers), Surveys/Programs (Respond, Survey Data), Newsroom (News, Blogs), and About Us (Our Research). The main content area is titled "QuickFacts" and shows "selected: UNITED STATES". Below this, a search bar prompts the user to "Enter state, county, city, town, or zip code" and a dropdown menu to "Select a fact". A "Table" tab is active, displaying a list of topics for the United States. The topics are categorized under "PEOPLE" and "Population". The first category is "Population estimates, July 1, 2016, (V2016)", which includes sub-topics like "Population estimates base, April 1, 2010, (V2016)", "Population, percent change - April 1, 2010 (estimates base) to July 1, 2016, (V2016)", and "Population, Census, April 1, 2010". The second category is "Age and Sex", which includes sub-topics like "Persons under 5 years, percent, July 1, 2016, (V2016)", "Persons under 5 years, percent, April 1, 2010", "Persons under 18 years, percent, July 1, 2016, (V2016)", "Persons under 18 years, percent, April 1, 2010", and "Persons 65 years and over, percent, July 1, 2016, (V2016)".

The screenshot shows the "My Tribal Area" website. The header includes the title "My Tribal Area" and a link "Tell us what you think >". Below the header, there is a search bar for "Enter name of Tribal Area" and a dropdown menu for "Select a State". To the right of the search bar, there are icons for "People", "Jobs", "Housing", "Economy", and "Education". Below the search bar, there is a map of the United States with a yellow highlight on the state of Alaska. To the right of the map, there is a text box that reads: "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".

The screenshot shows the "Census Business Builder: Small Business Edition" website. The header includes the title "Census Business Builder: Small Business Edition" and links for "Privacy Act Statement", "FAQs", and "Send Feedback". Below the header, there is a section titled "Determine the Best Location for Your Business". This section contains two main steps: "1. What type of business do you want to start or research?" and "2. Where do you plan to open the business?". Step 1 includes a text box for "Select your type of business from the broad categories below and then from the detailed list provided." and a grid of icons for "Construction", "Food Services", "Healthcare", "Personal Services", "Prof & Biz Services", and "Retail". Step 2 includes a text box for "Select the proposed location for your business by either searching for it or by using the Go To My Current Location button." and a search bar for "County, City/Town, or ZIP Code". Below the search bar, there is a "Go to Map" button. At the bottom of the page, there is a footer that reads: "Powered by the U.S. Census Bureau and Esri. For help using this tool, see the CBB Home Page. Learn more about other Census Bureau data that can help grow your business, by visiting www.census.gov".

Accessing Data Tools

The screenshot shows the U.S. Census Bureau website. At the top left is the 'United States Census Bureau' logo. To the right is a search bar with the text 'Search'. Below the logo and search bar is a navigation bar with the following links: Topics (Population, Economy), Geography (Maps, Products), Library (Infographics, Publications), Data (Tools, Developers), Surveys/Programs (Respond, Survey Data), Newsroom (News, Blogs), and About Us (Our Research). The main content area has a blue background. In the center, there is a white box with the text 'Find information using interactive applications to get statistics from multiple surveys.' and a link 'Data Tools & Apps Main'. To the right of this box is a list of tools: American FactFinder, Census Business Builder, Census Explorer, My Congressional District, My Tribal Area, QuickFacts, U.S. and World Population Clock. The 'Data Tools & Apps' link and the 'Census Business Builder' and 'My Tribal Area' links are circled in red. Below the main content area are four boxes: Related Sites, Combining Data, Software, and Training & Workshops. At the bottom center is the 'census.gov' logo.

United States Census Bureau

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Search

Topics
Population, Economy

Geography
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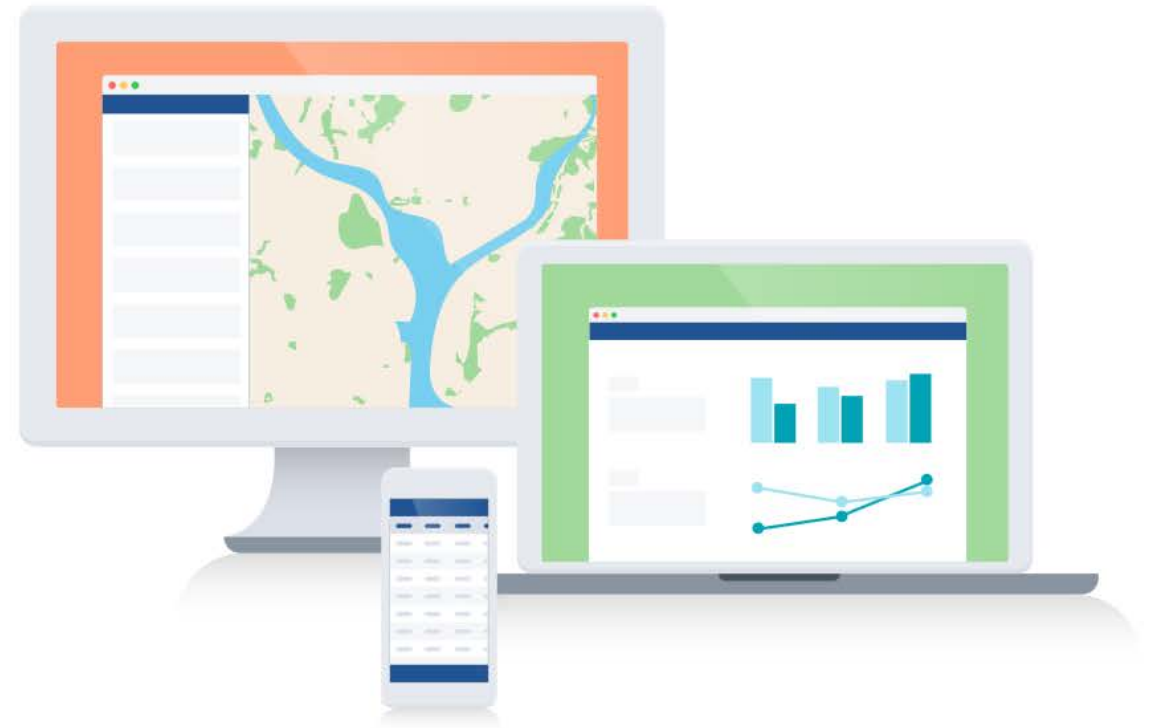
Data.census.gov – Preview Platform



Explore Census Data


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

Advanced Search



Explore Census Data

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



Anne Arundel County, Maryland County Profile

Covering 414.8 square miles, Anne Arundel County, Maryland is the 13th largest county in Maryland by area. Anne Arundel County, Maryland is bordered by Baltimore city, Queen Anne's County, Talbot County, Kent County, Prince George's County, Howard County, Baltimore County, Calvert County in Maryland.

GEOGRAPHIES

Anne Arundel County, Maryland

[Advanced Search](#)

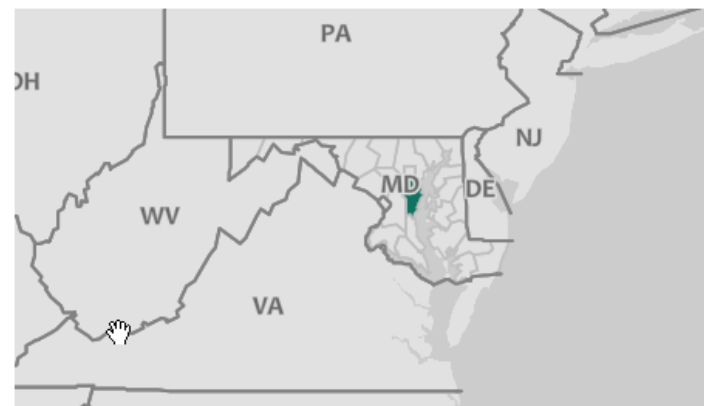


Anne Arundel County

County, or equivalent in: [Maryland](#)

At a Glance

Covering 414.8 square miles, Anne Arundel County is the 13th largest county in [Maryland](#) by area. Anne Arundel County is bordered by Baltimore city, Queen Anne's County, Talbot County, Kent County, Prince George's County, Howard County, Baltimore County, and Calvert County in [Maryland](#)



555,280

POPULATION



\$89,860

MEDIAN HOUSEHOLD INCOME



5.9%

POVERTY RATE



64.2%

EMPLOYMENT RATE



38.3%

BACHELOR'S DEGREE OR HIGHER

People and Population

[data.census.gov](#) > [Search Results](#) > [Anne Arundel County, Maryland](#) > **People and Population**

Foreign Born

8.1%
+/- 0.3%

Foreign Born

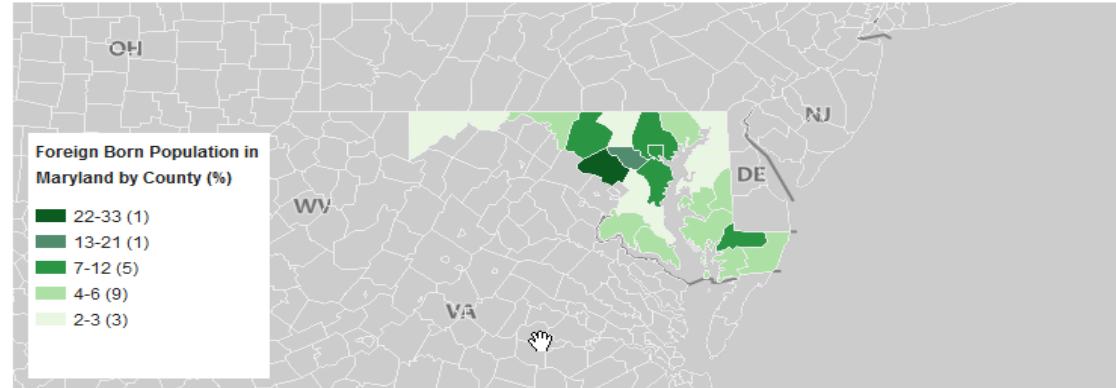
13.2% +/- 0.1%

Foreign Born in the United States

Survey/Program: 2015 American Community Survey

5-Year Estimates

Table: DP02



Share / Export

Language

10.5%
+/- 0.3%

Language other than English spoken at home

21.0% +/- 0.1%

Language other than English spoken at home in the United States


Types of Language Spoken at Home in Anne Arundel County



Please visit data.census.gov, and let us know what you think at cedsci.feedback@census.gov!

ACS Documentation

ACS Website



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Topics
Population, Economy

Geography
Maps, Products

Library
Infographics, Publications

Data
Tools, Developers

Surveys/Programs
Respond, Survey Data

Newsroom
News, Blogs

About Us
Our Research

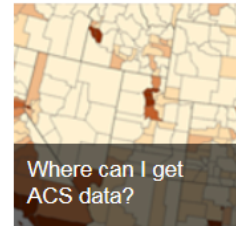
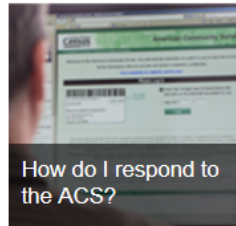
Census.gov Our Surveys & Programs American Community Survey (ACS)

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.



Latest


- Data
- News
- Events
- Library

2016 Data Release

Learn more about ACS data releases, including the October 19th release of 2016 ACS 1-year Supplemental Estimates and Public Use Microdata Sample (PUMS) Files.

census.gov/acs

Data Release Information



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Search

Topics
Population, Economy

Geography
Maps, Products

Library
Infographics, Publications

Data
Tools, Developers

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

American Community Survey (ACS)

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Learn how

Data Releases

 Tweet  Share

Leading up to the annual release of new datasets, the Census Bureau publishes a schedule, notes about new estimates or new guidance, and technical information about geography and product changes. Users can also browse the notes from previous years using the tabs below.

2016

2015

2014

2013

2012

▶

Details About the 2016 Release

2016 Data Release New and Notable

Learn more about items of interest related to the 2016 ACS release.

2016 Data Release Schedule

Review the dates and components of the 2016 ACS release.

2016 Table & Geography Changes

Learn more about changes to tables and geography for each ACS data release.

Geographic Notes

The 115th Congressional District data has been released and the 2016 ACS 1-year estimates are available for these updated Congressional Districts. State Legislative Districts have also been updated and estimates for those areas are included in the 2012-2016 ACS 5-year release.

Related Information

Tell Us What You Think!


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

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census.gov

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Technical Documentation



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Table & Geography Changes

Table Shells



Summary File Documentation

PUMS Documentation

Variance Replicate Tables Documentation

Race/Ethnicity and American Indian & Alaska Native Documentation

Technical Documentation

 Tweet  Share

The American Community Survey provides various documentation to assist users with our data releases. Click on the links below to learn more about these resources.

Code Lists, Definitions, and Accuracy
View the detailed codes and definitions for variables, statistical testing, and an explanation of sample design, methodology, and accuracy for the ACS.

User Notes
Learn more about issues impacting the ACS, including design, collection, production, and data release.

Data Suppression
October 01, 2016
Learn more about why certain ACS estimates are not available due to data suppression.

Summary File Documentation
View technical documents and user tools available for the ACS Summary File.

Race/Ethnicity and American Indian & Alaska Native Documentation
View documentation for the American Community Survey Selected Population Tables and American Indian and Alaska Native Tables

Errata
Learn more about errors and/or corrections related to the ACS.

Table & Geography Changes
Learn more about changes to tables and geography for each ACS data release.

PUMS Documentation
Learn more about how to work with the ACS Public Use Microdata Sample (PUMS) files.

Related Information

[Tell Us What You Think!](#)

[Tell Us What You Think!](#)

[contact us](#) | [email updates](#) | [site map](#)

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

Comparison Guidance

Census.gov > American Community Survey (ACS) > Guidance for Data Users > Comparing ACS Data > 2016

American Community Survey (ACS)

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Subjects Included in the Survey

Which Data Table or Tool Should I Use?

When to Use 1-year, 3-year, or 5-year Estimates

Handbooks

Comparing ACS Data

ACS/Census Table Comparisons

2016

2015

2014

2013

Comparing 2016 American Community Survey Data

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Learn more about making the following comparisons:

- Comparing the 2016 ACS estimates with Census 2000 (second column below)
- Comparing the 2016 ACS 1-year with the 2015 ACS 1-year estimates (third column below)
- Comparing the 2016 ACS estimates with 2010 Census (fourth column below)

To learn more about comparing the 2012-2016 ACS 5-year estimates with the 2007-2011 ACS 5-year estimates visit the [5-year to 5-year Comparison Guide](#) page.

If you would like to compare the 2016 ACS 1-year with estimates with ACS estimates prior to the 2015 ACS, please refer to the year-by-year comparison guidance throughout the entire time span. For example, to compare the 2016 ACS 1-year estimates with the 2014 ACS 1-year estimates, please reference:

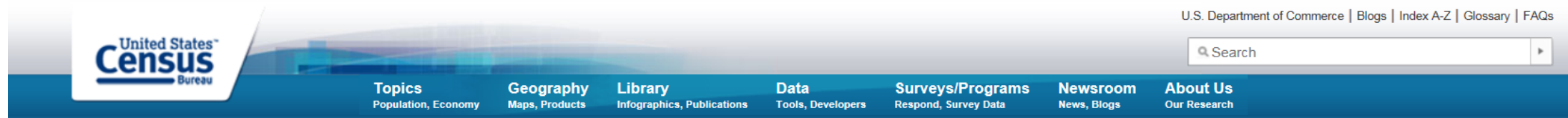
- Guidance for comparing 2016 ACS 1-year with 2015 ACS 1-year estimates
- Guidance for comparing 2015 ACS 1-year with 2014 ACS 1-year estimates

Subject Area*	2016 ACS (2016 ACS 1-Year and 2012-2016 ACS 5-Year) with Census 2000	2016 ACS 1-Year with 2015 ACS 1-Year	2016 ACS (2016 ACS 1-Year and 2012-2016 ACS 5-Year) with 2010 Census
---------------	--	--------------------------------------	--

Expand All

census.gov/programs-surveys/acs/guidance/comparing-acs-data/2016.html

Statistical Testing Tool



Census.gov > Our Surveys & Programs > American Community Survey (ACS) > Guidance for Data Users > Statistical Testing Tool

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Statistical Testing Tool

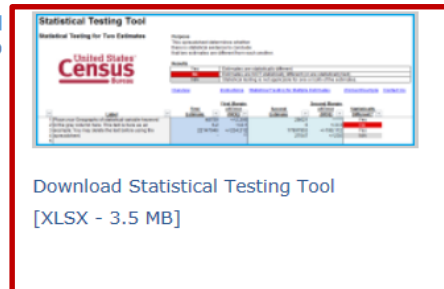


Comparing American Community Survey (ACS) estimates involves more than determining which statistic is higher or lower. Users should also conduct statistical testing to make sure differences are statistically significant and are unlikely to have occurred by chance. This testing takes into account the margin of error (MOE) associated with survey estimates, which are based on responses from only a sample of the full population.

Looking for an easy way to conduct statistical testing? Try the Census Bureau's new [Statistical Testing Tool](#). Simply copy or download ACS estimates and their MOEs into the spreadsheet to get instant results of statistical tests.

Tool Features:

- Compares up to 3,230 pairs of estimates at once
- Compares multiple estimates simultaneously (up to 150 estimates)
- Displays statistical testing results ("Yes", "No") automatically



census.gov/programs-surveys/acs/guidance/statistical-testing-tool.html

Questions?

Dial *1 for the Operator

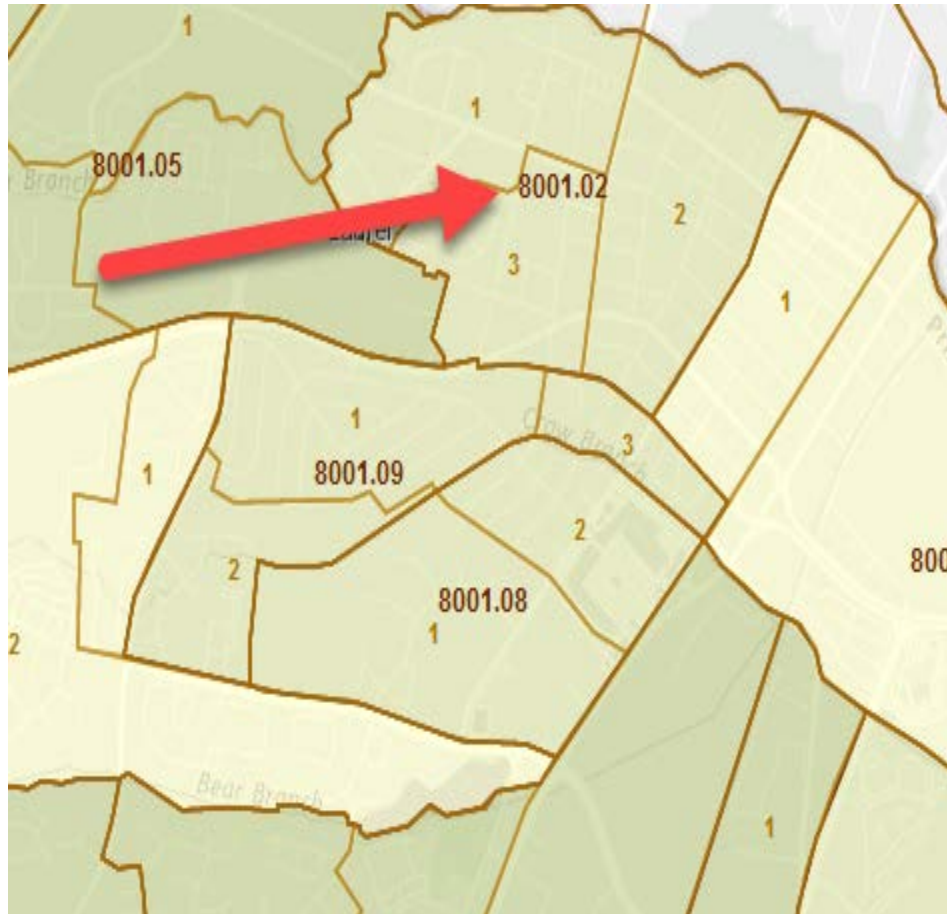
After Questions Stay for a Demo:

**How to Access 5-Year Block Group Data on
American FactFinder**



Accessing ACS 5 Year Block Group Data in American Factfinder

What is a Block Group?



Population of:

Block Group 1 = 740

+Block Group 2 = 1565

+Block Group 3 = 577

Tract 8001.02 = 2882

Access American FactFinder



The screenshot shows the American FactFinder website. At the top left is the United States Census Bureau logo. The main header features the text "AMERICAN FactFinder" with a magnifying glass icon over the word "FactFinder". To the right of the header are links for "Feedback", "FAQs", "Glossary", and "Help". Below the header is a navigation bar with buttons for "MAIN", "COMMUNITY FACTS", "GUIDED SEARCH", "ADVANCED SEARCH", and "DOWNLOAD CENTER". The "ADVANCED SEARCH" button is circled in red. To the right of the navigation bar are language options: "English" and "Español". Below the navigation bar is a banner with an information icon and the text: "Check out the early preview of our new dissemination platform at data.census.gov." Below the banner is a section titled "Community Facts" with a description: "Find popular facts (population, income, etc.) and frequently requested data about your community." Below this is a search input field with the placeholder text "Enter a state, county, city, town, or zip code:" and a "GO" button. The input field contains the text "e.g., Atlanta, GA". To the right of the search input field is a large image of a smiling family (a man, a woman, and a child). Below the search input field are three links: "Guided Search", "Advanced Search", and "Download Center".

United States Census Bureau

AMERICAN FactFinder

Feedback FAQs Glossary Help

MAIN COMMUNITY FACTS GUIDED SEARCH ADVANCED SEARCH DOWNLOAD CENTER

English Español

i Check out the early preview of our new dissemination platform at data.census.gov.

▼ **Community Facts**

Find popular facts (population, income, etc.) and frequently requested data about your community.

Enter a state, county, city, town, or zip code:

▶ **Guided Search**

▶ **Advanced Search**

▶ **Download Center**

Popular Tables

factfinder.census.gov

Finding Your Block Group in American FactFinder

MAIN

COMMUNITY FACTS

GUIDED SEARCH

ADVANCED SEARCH

DOWNLOAD CENTER

Search - Use the options

Your Selections

'Your Selections' is empty

load search | save search

Search using the options below:

Topics

(age, income, year, dataset, ...)

Geographies

(states, counties, places, ...)

Race and Ethnic Groups

(race, ancestry, tribe)

Industry Codes

(NAICS industry, ...)

EEO Occupation Codes

(executives, analysts, ...)

Select Geographies

List

Name

Address

Map

Enter a street address, city and state, or a street address and ZIP code. Click 'Go'.

street address

city

state

zip

4600 Silver Hill Road

Suitland

Maryland

20603

GO

Geographies containing 4600 Silver Hill Rd, SUITLAND, MD, 20746:

Select geographies to add to Your Selections

Geography Results:

Geography Name	Geography Type	Geography Code	About
South Region	Region	020	i
South Atlantic Division	Division	030	i
Maryland	State	040	i
Prince George's County, Maryland	County	050	i
District 6, Spaldings; Prince George's County; Maryland	County Subdivision	060	i
Block Group 1, Census Tract 8024.05, Prince George's County, Maryland	Block Group within Census Tract	150	i
Census Tract 8024.05, Prince George's County, Maryland	Census Tract	140	i
Block Group 1, Census Tract 8024.05, Prince			

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1. Start

The screenshot shows the 'American FactFinder' website's 'Download Center'. The top navigation bar includes links for 'MAIN', 'COMMUNITY FACTS', 'GUIDED SEARCH', 'ADVANCED SEARCH', and 'DOWNLOAD CENTER' (which is highlighted with a red box). Below the navigation bar, the page title is 'Download Center - A step-by-step guide to downloading data'. A progress bar shows four steps: '1 Start' (highlighted), '2 Dataset', '3 Geographies', and '4 Search Results'. The main content area has a blue circle icon and the instruction 'Choose from one of the following and click **Next**.' Below this, there are two radio button options. The first option, 'I know the **dataset** or **table(s)** that I want to download.', is selected and enclosed in a red box. The second option is 'I want to find **prepackaged data** that I can download.' Below the options, there is a paragraph of text: 'The Download Center is designed for experienced users, providing quick access to downloadable data for predefined groups of geographies and prepackaged files.' followed by a blue link 'tell me more »'. At the bottom right, there are three buttons: 'PREVIOUS', 'NEXT' (highlighted with a red box), and 'CANCEL'.

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AMERICAN
FactFinder

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

Download Center - A step-by-step guide to downloading data

1 Start 2 Dataset 3 Geographies 4 Search Results

Choose from one of the following and click **Next**.

☒ I know the **dataset** or **table(s)** that I want to download.

☐ I want to find **prepackaged data** that I can download.

The Download Center is designed for experienced users, providing quick access to downloadable data for predefined groups of geographies and prepackaged files.
[tell me more »](#)

PREVIOUS **NEXT** CANCEL

2. Dataset

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MAIN COMMUNITY FACTS GUIDED SEARCH ADVANCED SEARCH DOWNLOAD CENTER

Download Center - A step-by-step guide to downloading data

1 Start 2 Dataset 3 Geographies 4 Search Results

Select the program and dataset you're interested in. Click **Next**.

Select a program:
American Community Survey

Select a dataset and click **Add to Your Selections**:


- 2016 ACS 1-year estimates
- 2016 ACS 1-year Supplemental Estimates
- 2015 ACS 5-year estimates
- 2015 ACS 1-year estimates
- 2015 ACS 1-year Supplemental Estimates
- 2015 ACS 5-year Selected Population Tables
- 2015 ACS 5-year American Indian and Alaska Native Tables
- 2014 ACS 5-year estimates
- 2014 ACS 1-year estimates
- 2014 ACS 1-year Supplemental Estimates

ADD TO YOUR SELECTIONS

Your Selections
"Your Selections" is empty

PREVIOUS NEXT CANCEL

3. Geographies



AMERICAN
FactFinder

MISSOURI
KANSAS
KENTUCKY
NORTH CAROLINA

MAINCOMMUNITY FACTSGUIDED SEARCHADVANCED SEARCHDOWNLOAD CENTER

Download Center - A step-by-step guide to downloading data

1 Start2 Dataset3 Geographies4 Search Results

Select geographies to add to Your Selections. Click **Next**.

The download center allows you to select from groups of geographies, such as all counties in a state. To select from all available geographies, use [Advanced Search](#).

Select a geographic type:
..... Block Group - 150

Select a state:
Maryland

Select a county:
-- select a county --

Select one or more geographic areas and click **Add to Your Selections**:
All Block Groups within Maryland

ADD TO YOUR SELECTIONS

Your Selections

Search using...
Dataset:
2015 ACS 5-year estimates

Tables matching your selections: **2,296**



PREVIOUSNEXTCANCEL

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4. Search Results

Feedback FAQs

MAINCOMMUNITY FACTSGUIDED SEARCHADVANCED SEARCHDOWNLOAD CENTER

Download Center - A step-by-step guide to downloading dataDataset and Table -

1 Start2 Dataset3 Geographies4 Search Results

Select table(s) to download:

Search Results: 1-25 of 342 tables and other products match 'Your Selections'per page: 25

topic or table name
Refine your search results: GO

1 Selected: Download Check All Clear All Reset Sort << < 1 2 3 4 5 > >>

	Table, File or Document Title	ID	About
<input type="checkbox"/>	UNWEIGHTED SAMPLE COUNT OF THE POPULATION	B00001	
<input type="checkbox"/>	UNWEIGHTED SAMPLE HOUSING UNITS	B00002	
<input checked="" type="checkbox"/>	SEX BY AGE	B01001	
<input type="checkbox"/>	MEDIAN AGE BY SEX	B01002	

Your Selections

Search using...
Dataset:
2015 ACS 5-year estimates
Block Group within Census Tract
All Block Groups within Maryland
Tables matching your selections: 342

PREVIOUS

NEXT

CANCEL

Table B01001

ACS_15_5YR_B01001_with_ann - Excel

File Home Insert Page Layout Formulas Data Review View Smart View HP ALM JMP ACROBAT SAS Tell me... Justin Kell... Share

Paste Clipboards Font Alignment Number Styles Cells Editing

A1 GEO.id

	A	B	C	D	E	F	G	H	I	J
1	GEO.id	GEO.id2	GEO.display-label	HD01_VDC	HD02_VDC	HD01_VDC	HD02_VDC	HD01_VDC	HD02_VDC	HD01_VDC
2	Id	Id2	Geography	Estimate;	Margin of	Estimate;	Margin of	Estimate;	Margin of	Estimate;
3	1500000US	2.4E+11	Block Group 1, Census Tract 1, Allegany County, Maryland	528	158	257	96	0	12	
4	1500000US	2.4E+11	Block Group 2, Census Tract 1, Allegany County, Maryland	1907	229	879	154	69	61	
5	1500000US	2.4E+11	Block Group 3, Census Tract 1, Allegany County, Maryland	1007	250	515	137	13	20	
6	1500000US	2.4E+11	Block Group 1, Census Tract 2, Allegany County, Maryland	862	184	410	93	0	12	
7	1500000US	2.4E+11	Block Group 2, Census Tract 2, Allegany County, Maryland	833	175	427	112	0	12	
8	1500000US	2.4E+11	Block Group 3, Census Tract 2, Allegany County, Maryland	2590	383	1998	315	122	126	
9	1500000US	2.4E+11	Block Group 1, Census Tract 3, Allegany County, Maryland	1658	272	846	195	45	42	
10	1500000US	2.4E+11	Block Group 2, Census Tract 3, Allegany County, Maryland	622	202	373	150	12	21	
11	1500000US	2.4E+11	Block Group 3, Census Tract 3, Allegany County, Maryland	346	110	170	51	0	12	
12	1500000US	2.4E+11	Block Group 1, Census Tract 4, Allegany County, Maryland	701	163	318	108	23	33	

Questions?

Dial *1 for the Operator

* Please Stay to Fill Out an Online
EVALUATION FORM





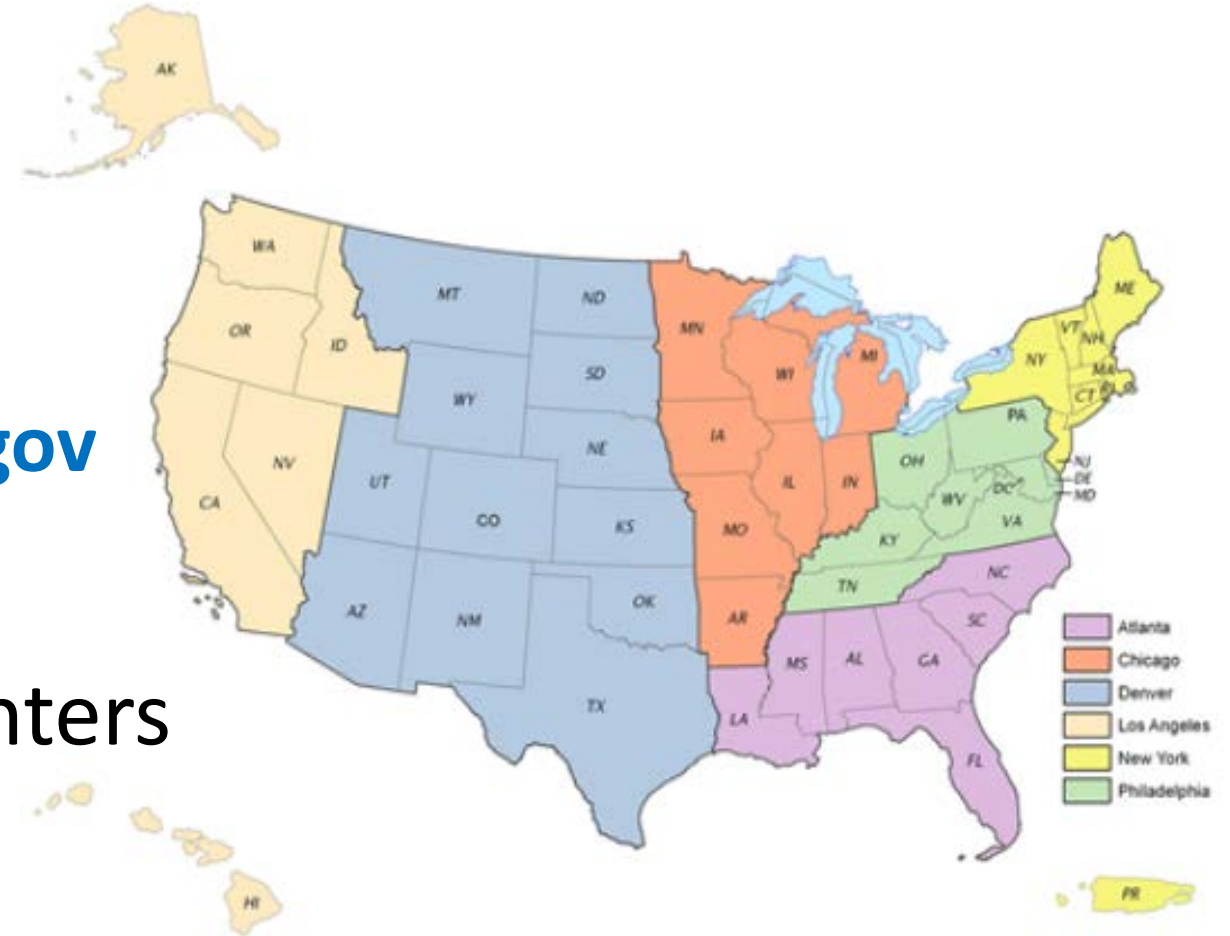
- Purpose:
 - Improve understanding of the value and utility of ACS data.
 - Promote information sharing among data users about key ACS data issues and applications
- Membership is free and open to all interested ACS data users
- Webinars and special sessions at professional meetings planned
- Users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

acsdatacommunity.prb.org

Need Local Stats or Training?

We Can Help!

- Regional Data Staff
 - census.askdata@census.gov
- State Data Centers & Census Information Centers
 - census.gov/sdc



Questions?

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EVALUATION FORM



For Further Information

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pio@census.gov

301-763-3030

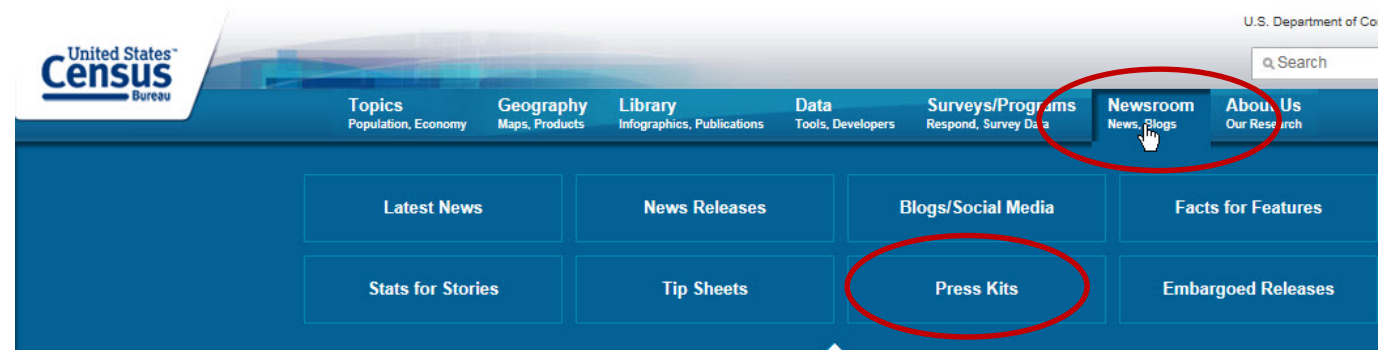
Non-Media

Customer Service Center

1-800-923-8282 or

301-763-INFO (4636)

Press Kit



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Evaluation

