The American Community Survey and YOUR Community by the Numbers

Anthony Eremitaggio, Data Dissemination & Training Branch
Outline – PART 1

- American Community Survey (ACS) basics
- Resources for learning more
- How Census Data can help you!
- Accessing ACS and other data products (PART 2)
- Stay in touch and Evaluation/Questions (PART 2)

What do We Do?

Decennial Census
Every 10 years, Counts Residents

American Community Survey (ACS)
Annual Social, Economic and Housing data

Other Surveys and Censuses
- 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

+ over 130 statistical programs

http://www.census.gov/programs-surveys/surveys-programs.html
The American Community Survey: The Foundation

The American Community Survey is on the leading edge of survey design, continuous improvement, and data quality

- The nation’s most current, reliable, and accessible data source for local statistics on critical planning topics such as age, children, veterans, commuting, education, income, and employment
- Surveys 3.5 million addresses and informs over $675 billion of Federal government spending each year
- Covers 35+ topics, supports over 300 evidence-based Federal government uses, and produces 11 billion estimates each year
- Three key annual data releases:
  - 1-year Estimates (for large populations)
  - 1-year Supplemental Estimates (for small populations)
  - 5-year Estimates (for very small populations)

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
## How is the ACS Different from a Census?

<table>
<thead>
<tr>
<th></th>
<th>ACS</th>
<th>2010 Census</th>
</tr>
</thead>
<tbody>
<tr>
<td>purpose</td>
<td>Sample estimates</td>
<td>Official counts</td>
</tr>
<tr>
<td>produces</td>
<td>Population characteristics</td>
<td>Population totals</td>
</tr>
<tr>
<td>new data every</td>
<td>Year</td>
<td>10 years</td>
</tr>
<tr>
<td>data reflect</td>
<td>Period of time</td>
<td>Point in time</td>
</tr>
</tbody>
</table>

- 1-year estimates (12 months of data)
- 5-year estimates (60 months of data)

## ACS Best Local Data

- The survey is the **only source** of local statistics for most of the 35+ topics it covers, such as employment, language spoken at home, education and selected housing costs.

- Available for all geographies regardless of population size. Down to the block-group level.
ACS Data Collection Process

Self-Response Modes
- Online
- Mail

Non-Response Modes
- Telephone
- Personal Visit

ACS Content

Social
- Ancestry
- Citizenship Status
- Disability Status
- Educational Attainment
- Fertility
- Grandparents
- Language Spoken at Home
- Marital Status
- Migration
- Place of Birth
- School Enrollment
- Veteran Status
- Year of Entry

Demographic
- Age
- Hispanic Origin
- Race
- Relationship
- Sex

Economic
- Class of Worker
- Commuting to Work
- Employment Status
- Food Stamps (SNAP)
- Health Insurance
- Hours/Week, Weeks/Year
- Income
- Industry & Occupation

Housing
- Computer & Internet Use
- Costs (Mortgage, Taxes, Insurance)
- Heating Fuel
- Home Value
- Occupancy Status
- Plumbing/Kitchen Facilities
- Structure Type
- Tenure (Own/Rent)
- Utilities
- Vehicles
- Year Built/Year Moved In

35+ Topics  1000+ Tables  11 Billion Estimates
Availability of 2017 ACS Data Products

<table>
<thead>
<tr>
<th>Estimated Population of Geographic Area</th>
<th>1-Year Estimates</th>
<th>1-Year Supplemental Estimates</th>
<th>5-Year Estimates</th>
</tr>
</thead>
<tbody>
<tr>
<td>65,000 or more</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>20,000 or more</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Less than 20,000</td>
<td></td>
<td></td>
<td>X</td>
</tr>
</tbody>
</table>

| Release Date                           | September 13, 2018 | October 18, 2018 | December 6, 2018 |

5-Year Estimates

- Describe the 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
ACS New Tables

Computer and Internet Use

- **B28001 – B28008**: Computers and Internet Use by
  - Household Income
  - Age
  - Educational attainment
  - Labor force status

- **B28009A – B28009I**: Presence of a computer and type of internet subscription by race and Hispanic origin

- **B28010 – B28011**: Computer and Internet Use by broader categories

- **B99281 – B99283**: Allocation for Computer and internet use

ACS New Tables (continued)

Group Quarters

- Two new Subject Tables have replaced S2601B
  - **S2602**: Characteristics of the Group Quarters Population by Group Quarters Type (3 Types)
  - **S2603**: Characteristics of the Group Quarters Population by Group Quarters Type (5 Types)

- 55 new Detailed Tables as source tables for the new Subject Tables
ACS New Tables (continued)

Income and Earnings

- **B19122**: Number of Earners in Family

<table>
<thead>
<tr>
<th>Table ID</th>
<th>Line Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>B19122</td>
<td>1</td>
<td>Total</td>
</tr>
<tr>
<td>B19122</td>
<td>2</td>
<td>No earners</td>
</tr>
<tr>
<td>B19122</td>
<td>3</td>
<td>1 earner</td>
</tr>
<tr>
<td>B19122</td>
<td>4</td>
<td>2 earners</td>
</tr>
<tr>
<td>B19122</td>
<td>5</td>
<td>3 or more earners</td>
</tr>
</tbody>
</table>

- **B20018**: Median Earnings in the Past 12 Months (in 2017 Inflation-Adjusted Dollars) for the Population 16 Years and Over Who Worked Full-Time, Year-Round with Earnings in the Past 12 Months

Health Insurance

- **C27021**: Health Insurance Coverage Status by Living Arrangement

Selected Geographic Areas Published in the 2017 American Community Survey 1-year and 5-year estimates

<table>
<thead>
<tr>
<th>Geographic Areas</th>
<th>1-year estimates</th>
<th>1-year Supplemental Estimates</th>
<th>5-year estimates</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Areas with a Population of 65,000+</td>
<td>Areas with a Population of 20,000+</td>
<td>All areas**</td>
</tr>
<tr>
<td></td>
<td>number</td>
<td>percentage</td>
<td>number</td>
</tr>
<tr>
<td>United States</td>
<td>1</td>
<td>100%</td>
<td>1</td>
</tr>
<tr>
<td>Region</td>
<td>4</td>
<td>100%</td>
<td>4</td>
</tr>
<tr>
<td>Division</td>
<td>9</td>
<td>100%</td>
<td>9</td>
</tr>
<tr>
<td>States, the District of Columbia, and Puerto Rico</td>
<td>52</td>
<td>100%</td>
<td>52</td>
</tr>
<tr>
<td>County or equivalent</td>
<td>837</td>
<td>26%</td>
<td>1,908</td>
</tr>
<tr>
<td>County Subdivision</td>
<td>224</td>
<td>1%</td>
<td>1,196</td>
</tr>
<tr>
<td>Subminor Civil Division (Puerto Rico Only)</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Census Tract</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Block Group</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>
Outline

- American Community Survey (ACS) basics
- Resources for learning more
- How Census Data can help you!
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ACS Website

American Community Survey (ACS)

The American Community Survey (ACS) helps local officials, community leaders, and businesses understand the changes taking place in their communities. It is the premier source for detailed population and housing information about our nation.
Comparison Guidance

American Community Survey (ACS)

Comparing 2016 American Community Survey Data

Learn more about comparing the 2016 ACS 1-year estimates with:

- 2015 ACS 1-year estimates
- 2010 Census
- 2000 Census

To learn more about comparing the 2002-2010 ACS 5-year estimates with the 2002-2016 ACS 5-year estimates visit ACS 5-year Comparison FAQ 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

You can also visit ask.census.gov for FAQ's
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Why Census Data is Important

Grant Writing, development and business planning etc.
Helping You & Your Community Answer Questions Like …

- How many people live here?
- How has the number of people changed?
- How old or young are the people?
- What race and ethnicity are they?
- How well educated are the people?
- What languages do they speak?
- How many single parents?
- How many households are low-income?
Stats In Action: Target Uses
ACS Data

http://www.census.gov/library/video/sia_target_uses.html

Outline – PART 2

- American Community Survey (ACS) basics
- Resources for learning more
- How Census Data can help you!
- Accessing ACS and other data products
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Some Ways to Access Data

- QuickFacts
- American FactFinder (community facts)
- ACS Narrative Profiles
- My Congressional District

Selected Census Geographic Concepts

- Nation
  - Regions
    - States
      - Counties
        - Congressional Districts
        - School Districts
        - Places
      - Census Tracts (1200-8000)
      - Block Groups (600-3000)
      - Public Use Microdata Areas (PUMAs)
      - Alaska Native Regional Areas
      - State Legislative Districts
  - Zip Code Tabulation Areas
  - American Indian/Alaska Native Areas/Hawaiian Home Lands

- Metropolitan and Micropolitan Areas
- Urban Areas

- 930,000 Geographic Areas
- 35,000+ Communities

census.gov/programs-surveys/acs/geography-acs.html
Data Tables & Tools

American Community Survey

Data Profiles Selector
Data Profiles contain a list of tables (Social, Economic, Housing, Demographic) to give a broad statistical view of a particular geography. We provide an easy to use Data Profiles geography selection for the most populous geographies: state, county and place. Our full data website, American FactFinder, provides additional geographic areas 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, arranged in a text based report with plenty of colorful graphs and charts. Use the map selector or the drop down 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 (AF) where you can change geographies and go back to level! Choose your subject table below!

Supplemental Tables
Looking for statistics about people and households located in geographies with real-world populations? Check out our new Supplemental Table! These will not be included in our annual Data Profiles and will be removed from the list after the survey of the year is completed.

Find Data Tools on Census.gov

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

American FactFinder

Factfinder.census.gov
AFF Advanced Search

To search for tables and other files in American FactFinder:

1. Enter search terms and an optional geography and click GO.
2. Select View Topics, Racial and Ethnic Groups, Industry Codes, or DDO Occupation Codes - the Search Results are updated.
3. Select one or more Search Results and click View.

AFF Geographies-List Tab
AFF Geographies-Name Tab

AFF Geographies-Name Tab II
AFF Topics

Selecting Topics in AFF
Data Product Type- PROFILES

- Data Profiles (DP)
  - Broad social, economic, housing & Demographic profiles.

- Narrative Profiles (NP)
  - Summarize the information in the DP using concise, nontechnical text and graphs.

- Comparison Profiles (CP)
  - Same layout as DP's, but offer comparisons of estimates over time.
  - Only available for 1-year estimates.

- Selected Population Profiles (S0201)
  - Broad social, economic, housing & Demographic profiles for a large number of race, ethnic, ancestry, & country/region-of-birth groups. 1-year estimates only.

Data Product Type - TABLES

- Detailed Tables (B or C)
  - Most detailed ACS data and cross-tabulations of ACS variables. Base(B) are more detailed than collapsed tables (C).

- Subject Tables (S)
  - Similar to DP's but include more detailed ACS data by subject.

- Ranking Tables (R)
  - State rankings of estimates across 86 key variables.

- Geographic Comparison Tables (GCT)
  - Compare geo areas other than states (e.g., counties or cong. districts).
Data Profile vs Detailed Table

Narrative Profile

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/
Accessing the Narrative Profile

Narrative Profiles (Beta)
Narrative Profiles are short, analytic reports derived from the ACS 5-year estimates. Each Narrative Profile covers 15 different topic areas and provides text and bar charts to display highlights of selected social, economic, housing and demographic estimates for a selected geographic area.

2017

2013—2017 ACS 5-Year Narrative Profile
Select a Geography Type
- Nation
- County
- Zip Code Tabulation Area
- Metropolitan and Micropolitan Statistical Area
- American Indian Area/Alaska Native Area/Hawaiian Home Land选定

Selected Geography: United States

2017

2016

2015

2014

2013

2012

My Congressional District

My Congressional District

44

https://www.census.gov/mycd/
# Data Tools Chart

**Outline**

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**Data Tools Chart**

<table>
<thead>
<tr>
<th>Data Tools Chart</th>
<th>Data Tools Chart</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Topics/Product Type Included</strong></td>
<td><strong>Years Available &amp; Data Set(s)</strong> Included</td>
</tr>
<tr>
<td>QuickFacts</td>
<td>Data tools that provide quick, easy demographic and economic estimates for areas of any size.</td>
</tr>
<tr>
<td>Congressional Districts</td>
<td>Selected estimates about people, workers, housing, socio-economic characteristics, education, and businesses</td>
</tr>
<tr>
<td>All Data available</td>
<td>All data available from the ACS data set.</td>
</tr>
</tbody>
</table>

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**American Community Survey (ACS) basics**

- **What is the American Community Survey (ACS)?**
  - The ACS is a survey conducted by the U.S. Census Bureau to obtain detailed information about the U.S. population and housing.
  - It is a continuous survey that collects data on a variety of topics, including demographics, housing, health, education, and more.

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**Resources for learning more**

- The ACS is a valuable tool for researchers, policymakers, and anyone interested in understanding the U.S. population and its needs.
- For more information, visit the U.S. Census Bureau website.

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**How Census Data can help you!**

- The ACS data can be used for a variety of purposes, such as planning for healthcare services, evaluating education programs, and analyzing economic trends.
- It can also be used to inform decisions about infrastructure development, community planning, and more.

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**Accessing ACS and other data products**

- To access ACS data, visit the U.S. Census Bureau website and follow the instructions provided.
- There are also a variety of tools and resources available to help you access and analyze the data.

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**Stay in touch and Evaluation/Questions**

- To stay informed about the latest developments in the ACS and other data products, sign up for the Census Bureau's email list.
- If you have any questions or feedback, please contact the Census Bureau via email or phone.
• 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
• ACS Data Users Conference: May 14-15, 2019
• Webinars and special sessions at professional meetings planned
• Users group website and online community

acsdatacommunity.prb.org

Our Development Depends on YOUR Feedback

Check out our preview platform at data.census.gov and tell us how we can make Census data easier to access for your news stories at cedsci.feedback@census.gov.
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: http://www.census.gov/acs

(844) ASK-DATA / (844) 275-3282

Chat or submit a question at ask.census.gov

census.askdata@census.gov

FOR ACS specific questions: acso.users.support@census.gov

facebook.com/ususcensusbureau
twitter.com/ususcensusbureau
youtube.com/user/ususcensusbureau
instagram.com/ususcensusbureau
pinterest.com/ususcensusbureau

Census.gov/Academy: Visit and Subscribe

✓ Receive weekly Data Gems. These short "how-to" videos are an easy and quick way to increase your knowledge of Census data. Get them in your inbox!

✓ Get access to our data courses. You will learn at your own pace with these video tutorials designed for different skill levels.

✓ Interact with our instructors via webinars. Learn about our data releases and tools while attending these live virtual classes.

✓ Bring our data experts to you. TO Request free webinars for your organization/yourslef:

  Anthony.Eremitaggio@census.gov

In-person free workshops: census.askdata@census.gov

✓ Take part in this community

Share your feedback and ideas for our educational content:

Census.academy@census.gov

✓

U.S. Department of Commerce
Economics and Statistics Administration
U.S. Census Bureau

census.gov

U.S. Census Bureau

Email: census.askdata@census.gov
Census.academy@census.gov
Phone: 1-844-ASK-DATA (275-3282)
Please Complete the Evaluation!

- Link: https://questionweb.com/59212/
- Type of Event: Workshop/Training
- Lead Census Presenter: Anthony Eremitaggio

THANK YOU