Accessing Census Data for your County

Idaho Association of Counties
Annual Conference

September 26, 2017

Eric Coyle
Data Dissemination Specialist
U.S. Census Bureau
Webinar Outline

- Overview of Census Bureau Programs/Surveys
- ACS Overview
- Census Geography
- Accessing ACS Data Products
- Additional Resources
- Questions
- Online Demonstration
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
✓ 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)

The Census Bureau's mission is to serve as the leading source of quality data about the nation's people and economy.

https://www.census.gov/programs-surveys.html
ACS Basics: The 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)
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

2010 Census

- 100% Data
- How many people live in the U.S.?
- Point in time
  - April 1, 2010
- Count - People, Housing units,

American Community Survey

- Sample Data
- How do people live in the U.S.?
- Period in Time
  - 1yr, 5yr
- Characteristics
  - Income, Poverty, Education

2000 Long Form SF3 & SF4
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

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

#### College Park city, Maryland

<table>
<thead>
<tr>
<th>Subject</th>
<th>Estimate</th>
<th>Margin of Error</th>
<th>Percent</th>
<th>Percent Margin of Error</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>EMPLOYMENT STATUS</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Population 16 years and over</td>
<td>28,890</td>
<td>+/-366</td>
<td>100%</td>
<td>+/-1.3</td>
</tr>
<tr>
<td>In labor force</td>
<td>14,997</td>
<td>+/-559</td>
<td>52.3%</td>
<td>+/-1.9</td>
</tr>
<tr>
<td>Civilian labor force</td>
<td>14,997</td>
<td>+/-559</td>
<td>52.3%</td>
<td>+/-1.9</td>
</tr>
<tr>
<td>Employed</td>
<td>13,243</td>
<td>+/-619</td>
<td>45.2%</td>
<td>+/-2.1</td>
</tr>
<tr>
<td>Unemployed</td>
<td>1,695</td>
<td>+/-313</td>
<td>5.9%</td>
<td>+/-1.1</td>
</tr>
<tr>
<td>Armed Forces</td>
<td>59</td>
<td>+/-47</td>
<td>0.2%</td>
<td>+/-0.2</td>
</tr>
<tr>
<td>Not in labor force</td>
<td>13,693</td>
<td>+/-601</td>
<td>47.7%</td>
<td>+/-1.9</td>
</tr>
<tr>
<td><strong>Civilian labor force</strong></td>
<td>14,933</td>
<td>+/-557</td>
<td>51.9%</td>
<td>+/-1.9</td>
</tr>
<tr>
<td><strong>Percent Unemployed</strong></td>
<td>(X)</td>
<td>(X)</td>
<td>(X)</td>
<td>(X)</td>
</tr>
<tr>
<td>Females 16 years and over</td>
<td>13,693</td>
<td>+/-462</td>
<td>51.9%</td>
<td>+/-1.9</td>
</tr>
<tr>
<td>In labor force</td>
<td>8,982</td>
<td>+/-440</td>
<td>61.5%</td>
<td>+/-2.7</td>
</tr>
<tr>
<td>Civilian labor force</td>
<td>6,971</td>
<td>+/-481</td>
<td>50.7%</td>
<td>+/-2.7</td>
</tr>
<tr>
<td>Employed</td>
<td>6,429</td>
<td>+/-429</td>
<td>46.9%</td>
<td>+/-3.6</td>
</tr>
<tr>
<td>Own children under 6 years</td>
<td>851</td>
<td>+/-210</td>
<td>65.9%</td>
<td>+/-2.0</td>
</tr>
<tr>
<td>All parents in family in labor force</td>
<td>559</td>
<td>+/-164</td>
<td>65.9%</td>
<td>+/-2.0</td>
</tr>
<tr>
<td>Own children 6 to 17 years</td>
<td>1,242</td>
<td>+/-234</td>
<td>74.0%</td>
<td>+/-2.6</td>
</tr>
<tr>
<td>All parents in family at labor force</td>
<td>919</td>
<td>+/-199</td>
<td>74.0%</td>
<td>+/-2.6</td>
</tr>
<tr>
<td><strong>COMMUTING TO WORK</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Workers 10 years and over</td>
<td>12,074</td>
<td>+/-612</td>
<td>100%</td>
<td>+/-1.3</td>
</tr>
<tr>
<td>Car, truck, or van - drive alone</td>
<td>6,622</td>
<td>+/-484</td>
<td>43.8%</td>
<td>+/-2.8</td>
</tr>
<tr>
<td>Car, truck, or van - carpool</td>
<td>1,162</td>
<td>+/-277</td>
<td>9.0%</td>
<td>+/-2.2</td>
</tr>
<tr>
<td>Public transportation (excluding taxicab)</td>
<td>1,886</td>
<td>+/-358</td>
<td>13.1%</td>
<td>+/-2.2</td>
</tr>
<tr>
<td>Walked</td>
<td>2,670</td>
<td>+/-364</td>
<td>20.7%</td>
<td>+/-2.2</td>
</tr>
<tr>
<td>Other means</td>
<td>433</td>
<td>+/-153</td>
<td>16.9%</td>
<td>+/-1.6</td>
</tr>
<tr>
<td>Mean travel time to work (minutes)</td>
<td>26.7</td>
<td>+/-1.3</td>
<td>99.6%</td>
<td>+/-1.3</td>
</tr>
<tr>
<td><strong>OCCUPATION</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Civilian employed population 16 years and over</td>
<td>13,243</td>
<td>+/-619</td>
<td>100%</td>
<td>+/-1.3</td>
</tr>
<tr>
<td>Management, business, science, and arts occupations</td>
<td>6,283</td>
<td>+/-536</td>
<td>46.8%</td>
<td>+/-0.5</td>
</tr>
<tr>
<td>Service occupations</td>
<td>2,456</td>
<td>+/-382</td>
<td>18.5%</td>
<td>+/-2.6</td>
</tr>
<tr>
<td>Sales and office occupations</td>
<td>3,369</td>
<td>+/-373</td>
<td>25.1%</td>
<td>+/-2.7</td>
</tr>
<tr>
<td>Natural resources, construction, and maintenance occupations</td>
<td>789</td>
<td>+/-291</td>
<td>5.4%</td>
<td>+/-1.5</td>
</tr>
<tr>
<td>Production, transportation, and material moving occupations</td>
<td>580</td>
<td>+/-120</td>
<td>4.3%</td>
<td>+/-0.9</td>
</tr>
<tr>
<td><strong>INDUSTRY</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Civilian employed population 16 years and over</td>
<td>13,243</td>
<td>+/-619</td>
<td>100%</td>
<td>+/-1.3</td>
</tr>
<tr>
<td>Agriculture, forestry, fishing, and hunting, and mining</td>
<td>6</td>
<td>+/-49</td>
<td>0.6%</td>
<td>+/-0.4</td>
</tr>
<tr>
<td>Construction</td>
<td>502</td>
<td>+/-172</td>
<td>3.8%</td>
<td>+/-1.3</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>12,874</td>
<td>+/-642</td>
<td>100%</td>
<td>+/-1.3</td>
</tr>
<tr>
<td>Total, car, truck, or van</td>
<td>7,369</td>
<td>+/-525</td>
<td>57.2%</td>
<td>+/-1.8</td>
</tr>
<tr>
<td>Drove alone</td>
<td>6,220</td>
<td>+/-494</td>
<td>48.3%</td>
<td>+/-2.8</td>
</tr>
<tr>
<td>Carpooled</td>
<td>1,162</td>
<td>+/-277</td>
<td>9.0%</td>
<td>+/-2.2</td>
</tr>
<tr>
<td>in 2-person carpool</td>
<td>973</td>
<td>+/-229</td>
<td>7.4%</td>
<td>+/-2.6</td>
</tr>
<tr>
<td>in 3-person carpool</td>
<td>77</td>
<td>+/-19</td>
<td>0.6%</td>
<td>+/-0.2</td>
</tr>
<tr>
<td>in 4-or-more-person carpool</td>
<td>112</td>
<td>+/-23</td>
<td>0.9%</td>
<td>+/-0.2</td>
</tr>
<tr>
<td>Public transportation (excluding taxicab)</td>
<td>1,050</td>
<td>+/-238</td>
<td>8.2%</td>
<td>+/-2.2</td>
</tr>
<tr>
<td>Bus or trolley bus</td>
<td>362</td>
<td>+/-140</td>
<td>2.8%</td>
<td>+/-0.6</td>
</tr>
<tr>
<td>Streetcar or trolley car (carro publico en Puerto Rico)</td>
<td>0</td>
<td>+/-25</td>
<td>0.2%</td>
<td>+/-0.2</td>
</tr>
<tr>
<td>Subway or elevated</td>
<td>359</td>
<td>+/-183</td>
<td>2.8%</td>
<td>+/-0.6</td>
</tr>
<tr>
<td>Railroad</td>
<td>43</td>
<td>+/-44</td>
<td>3.4%</td>
<td>+/-0.7</td>
</tr>
<tr>
<td>Ferryboat</td>
<td>0</td>
<td>+/-26</td>
<td>0.0%</td>
<td>+/-0.0</td>
</tr>
<tr>
<td>Bicycle</td>
<td>121</td>
<td>+/-68</td>
<td>9.5%</td>
<td>+/-1.9</td>
</tr>
<tr>
<td>Taxicab, motorcycle, or other means</td>
<td>1,507</td>
<td>+/-296</td>
<td>11.8%</td>
<td>+/-2.2</td>
</tr>
<tr>
<td>Worked at home</td>
<td>355</td>
<td>+/-99</td>
<td>2.7%</td>
<td>+/-0.7</td>
</tr>
</tbody>
</table>
Current ACS 1-year/5-year Data

- **Areas with a population 65,000+:** 1-year estimates

All areas (incl. census tracts & block groups): **5-year estimates**
Recent ACS Data Release

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/news/data-releases/2015/release
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
Census Geography
Selected Census Geographic Concepts—Statistical Areas

- Regions
- Divisions
- Census Designated Places
- Census County Divisions
- Public Use Microdata Areas (PUMA)
- Zip Code Tabulation Areas (ZCTAs)
- Census Tracts
- Block Groups
- Block
Census Geography Hierarchy

Central axis describes a nesting relationship

- 600 to 3,000 population
- 240 to 1,200 housing units

Blocks are not defined by population and are the smallest geographic level at which data are ever released (Decennial Census, not the ACS)

- Cities and towns -- incorporated
- Census Designated Places (CDPs):  
  - Unincorporated; no size threshold
  - Separate and distinct from city/town
  - Redefined each census

- 1,200 to 8,000 population (optimum 4,000)
- 480 to 3,200 housing units
Accessing ACS Data Products
New Data Visualization Tools

The ACS Data Wheel allows users to explore ACS data for all 50 states.

The Data Wheel Dashboard includes a bar graph and map of the U.S. highlighting ACS characteristics for all 50 states.
American Community Survey (ACS)

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

2011-2015 ACS 5-Year Selected Population Tables and American Indian and Alaska Native Tables

Discover new statistics released July 13 on detailed race, Hispanic Origin, ancestry, and tribal population groups, based on the 2011-2015 ACS.

census.gov/acs
American Community Survey

Data Tables & Tools

<table>
<thead>
<tr>
<th>Table Title</th>
<th>Topic</th>
<th>Table ID</th>
</tr>
</thead>
<tbody>
<tr>
<td>Percent Of The Total Population Who Are White Alone</td>
<td>Race</td>
<td>R0201</td>
</tr>
<tr>
<td>Percent Of The Total Population Who Are Black Or African American Alone</td>
<td>Race</td>
<td>R0202</td>
</tr>
<tr>
<td>Percent Of The Total Population Who Are American Indian And Alaska Native Alone</td>
<td>Race</td>
<td>R0203</td>
</tr>
<tr>
<td>Percent Of The Total Population Who Are Asian Alone</td>
<td>Race</td>
<td>R0204</td>
</tr>
<tr>
<td>Percent Of The Total Population Who Are Native Hawaiian And Other Pacific Islander Alone</td>
<td>Race</td>
<td>R0205</td>
</tr>
<tr>
<td>Percent Of The Total Population Who Are Some Other Race Alone</td>
<td>Race</td>
<td>R0206</td>
</tr>
<tr>
<td>Percent Of The Total Population Who Are Two Or More Races</td>
<td>Race</td>
<td>R0207</td>
</tr>
<tr>
<td>Percent Of The Total Population Who Are Two Or More Races Excluding Some Other Race</td>
<td>Race</td>
<td>R0208</td>
</tr>
<tr>
<td>Percent Of The Total Population Who Are White Alone, Not Hispanic Or Latino</td>
<td>Race</td>
<td>R0209</td>
</tr>
<tr>
<td>Percent Of People Who Are Foreign Born</td>
<td>Foreign Born; Citizenship; Year of Entry; Nativity</td>
<td>R0501</td>
</tr>
<tr>
<td>Percent Of Foreign-Born People Born In Europe</td>
<td>Foreign Born; Citizenship; Year of Entry; Nativity</td>
<td>R0502</td>
</tr>
<tr>
<td>Percent Of Foreign-Born People Born In Asia</td>
<td>Foreign Born; Citizenship; Year of Entry; Nativity</td>
<td>R0503</td>
</tr>
</tbody>
</table>

census.gov/acs/www/data/data-tables-and-tools/
Resources for Partners

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

Resources for Congress
Resources for Media
Resources for A/IAN
Resources for Partners

Survey Information
What is the American Community Survey?
How does the ACS work?
Report: The Value of the American Community Survey

Responding to the ACS
How to Respond to the ACS
The Importance of Responding to the ACS
Respondent Advocate

Spread the Word
Flyers
Handbooks
Talking Points
Training Presentations
Social Media: #ACSdata - Twitter

ACS on YouTube

Data and Geography
ACS Data in American FactFinder (AFF)
Ways to Get ACS Data
Guidance for Users
Geographic Areas Published

Related Sites
ACS in the News
Resources for Congress
Media Resources
Source Us!
ACS Data Users Group
What ACS Data Users Are Saying (video)
Tell Us How You Use ACS Data (E-mail a Testimonial)
Sign up to receive e-mails with periodic updates and manage alerts.

Local Assistance

census.gov/programs-surveys/acs/contact/partners.html
When to use:
Browse statistics presented as a text-based report with plenty of colorful graphs and charts.

census.gov/acs/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
Census Explorer

When to use:
Explore selected estimates about people, education, income, and commuting in an interactive map to visualize how statistics change over time and across geographies.

census.gov/censusexplorer
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
My Congressional District

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/
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/
OnTheMap for Emergency Management

When to use:
Learn about social, economic, housing, and demographic characteristics from the ACS, for all current declared emergency zones. The types of emergencies include disasters, natural hazards, and weather events, such as: hurricanes and tropical storms, floods, winter storms, and wildfires disaster declaration areas.

onthemap.ces.census.gov/em
American FactFinder

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

factfinder.census.gov
Application Programming Interface (API)

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

Updated datasets:

- International Trade (Time Series: 2005 - present)
  - June 02, 2017
  - The International Trade Datasets provide detailed monthly and annual statistics on trade between the United States and its international trade partners.

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

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

I'm looking for...

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

*For official statistics, continue to use existing data tools on census.gov, such as American FactFinder
When to use:
Place profiles and comparison pages provide a friendly interface for navigating data, including visualizations for a more useful first look. Census Reporter also offers handy tools for data comparison and makes it easy to create exports for further analysis in tabular or GIS formats.

censusreporter.org
Source Us!

U.S. Census Bureau’s 2016 American Community Survey
#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
twitter.com/uscensusbureau
youtube.com/user/uscensusbureau
instagram.com/uscensusbureau
pinterest.com/uscensusbureau
linkedin.com/company/us-census-bureau
Resources: Need Assistance?

U.S. Census Bureau
Data Dissemination Specialist

Eric Coyle
(702) 236-3202
eric.a.coyle@census.gov

Toll-free number:
1-844-ASK-DATA (1-844-275-2342)
census.askdata@census.gov
Questions?