Plans For the First Release of Small Area Data from the American Community Survey

DC AAPOR Informational Session
November 2010
Outline

Measuring America
Motivation behind the ACS
ACS basics
Release of data for small areas
Comparisons with Census 2000
What you need to know
Measuring America

American Community Survey

Demographic Analysis

2010 Census
Measuring America

Dimensions of Differences

Time
Level of geographic detail
Counts versus characteristics
Motivation for the ACS

Support the growing data needs of federal, state, tribal, and local governments by producing critical data throughout the decade

Simplify the 2010 Census
The figures from the 2009 American Community Survey offer a more intimate portrait of U.S. workers in the middle of a recession than has been available in previous downturns because the Census Bureau now gathers detailed information annually instead of once every 10 years.

Washington Post   October 19, 2010
How we got here
The evolution of the ACS

Introduction of rolling sample design concept in context of Census Bureau

Congress renewed interest in a continuous measurement alternative to the long form sample

First operational test conducted in 4 sites

First data released for nation and areas 250,000+

Expanded to full sample of HUs in all counties in 50 states, DC & PR

Congress authorized a mid-decade census but did not appropriate funds

Office that evolved into the ACS established

Test sites in 36 counties in 26 states

GQs added

First 1-yr est released for areas 65,000+

Testing basic methods and procedures

Demonstrating operational feasibility and survey quality

First 3-yr est released for areas 20,000+
ACS Basics

The ACS collects data continuously throughout the year.

ACS sample interviews are combined over 1-year, 3-year, and 5-year periods to produce estimates for increasingly smaller geographic areas.
ACS Basics

ACS estimates are period estimates, describing the average characteristics over a specified period.

1-year, 3-year, and 5-year estimates will be released for geographic areas that meet specific population thresholds.
# ACS Basics

<table>
<thead>
<tr>
<th>Estimated Population of Geographic Area</th>
<th>Type of ACS Estimates Released</th>
</tr>
</thead>
<tbody>
<tr>
<td>Less than 20,000</td>
<td>5-year</td>
</tr>
<tr>
<td>20,000 to 64,999</td>
<td>3-year and 5-year</td>
</tr>
<tr>
<td>65,000 or more</td>
<td>1-year, 3-year, and 5-year</td>
</tr>
</tbody>
</table>
## ACS Basics

<table>
<thead>
<tr>
<th>Data Product</th>
<th>Population Threshold</th>
<th>Year(s) of Data Collection</th>
<th>Year of Data Release</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-year estimates</td>
<td>65,000+</td>
<td>2005 2006 2007 2008</td>
<td>2009 2010 2011 2012</td>
</tr>
</tbody>
</table>
Small Area Data Release

This year we will release the first set of ACS 5-year estimates based on data collected in 2005 – 2009.

These are the first detailed characteristics for small areas since the release of Census 2000 sample data in 2002.
Small Area Data Release

Timing
Level of geographic detail
Content and products
How to access
How to interpret the data
Timing

Planned release of 5-year estimates in December 2010

We plan to release ACS 5-year tabulated data products every year
Geographic Areas

Like the sample data from Census 2000, the ACS 5-year estimates will be summarized for legal, administrative, and statistical areas.
Examples of Legal and Administrative Areas

States, Puerto Rico, and DC
Congressional Districts
Counties and *municipios*
Alaska Native Areas, Hawaiian Homelands, American Indian Areas
Incorporated Places (cities, towns)
School Districts
Examples of Statistical Areas

Census regions and divisions
Urban areas and *zonas urbanas*
Census designated places
Metropolitan and Micropolitan Statistical Areas
Census tracts
Census block groups
Geographic Expansion

Growth in the total number of entities supported for previously released types of areas

Additional types of geographic areas
Geographic Expansion

American Indian Areas, Alaska Native Villages, Hawaiian Homelands (607 total)

- 1-year areas (15)
- Additional 3-year areas (6)
- Additional 5-year areas (586)
Geographic Expansion

Counties and County Equivalents (3141 total)

- Additional 5-year areas (2111)
- Additional 3-year areas (245)
- 1-year areas (785)
Demographic Characteristics

Sex
Age
Race
Hispanic Origin
Relationship
Social Characteristics

Education  Language
Marital Status  Place of Birth
Fertility  Citizenship
Grandparents  Year of Entry
Veterans  Ancestry
Disability  Tribal Affiliation
Economic Characteristics

Income
Employment Status
Occupation
Industry
Commuting to Work
Place of Work
Housing Characteristics

Tenure
Occupancy status
Housing Value
Taxes & Insurance
Utilities
Mortgage
Monthly Rent
Data products for all users

Data profiles
Narrative profiles
Subject tables
Geographic comparison tables
Thematic maps
Data Profile

Ann Arbor city, Michigan
Data Set: 2005-2007 American Community Survey 3-Year Estimates
Survey: American Community Survey

Social - Education, Marital Status, Relationships, Fertility, Grandparents...
Economic - Income, Employment, Occupation, Commuting to Work...
Housing - Occupancy and Structure, Housing Value and Costs, Utilities...
Demographic - Sex and Age, Race, Hispanic Origin, Housing Units...
Narrative - Text profile with graphs for easy analysis...

NOTE: 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.

For more information on confidentiality protection, sampling error, nonsampling error, and definitions, see Survey Methodology.

<table>
<thead>
<tr>
<th>Selected Social Characteristic in the United States</th>
<th>Estimate</th>
<th>Margin of Error</th>
<th>Percent</th>
<th>Margin of Error</th>
</tr>
</thead>
<tbody>
<tr>
<td>HOUSEHOLDS BY TYPE</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total households</td>
<td>44,659</td>
<td>+/-327</td>
<td>100%</td>
<td>+/-1.9</td>
</tr>
<tr>
<td>Family households (families)</td>
<td>21,152</td>
<td>+/-887</td>
<td>47.5%</td>
<td>+/-1.0</td>
</tr>
<tr>
<td>With own children under 18 years</td>
<td>6,622</td>
<td>+/-647</td>
<td>21.6%</td>
<td>+/-1.2</td>
</tr>
<tr>
<td>Married-couple family</td>
<td>16,909</td>
<td>+/-787</td>
<td>37.5%</td>
<td>+/-1.8</td>
</tr>
<tr>
<td>With own children under 18 years</td>
<td>7,159</td>
<td>+/-553</td>
<td>16.1%</td>
<td>+/-1.2</td>
</tr>
<tr>
<td>Male householder, no wife present, family</td>
<td>1,397</td>
<td>+/-389</td>
<td>3.1%</td>
<td>+/-0.9</td>
</tr>
<tr>
<td>With own children under 18 years</td>
<td>683</td>
<td>+/-292</td>
<td>1.5%</td>
<td>+/-0.7</td>
</tr>
<tr>
<td>Female householder, no husband present, family</td>
<td>3,085</td>
<td>+/-385</td>
<td>6.9%</td>
<td>+/-0.9</td>
</tr>
<tr>
<td>With own children under 18 years</td>
<td>1,780</td>
<td>+/-349</td>
<td>4.0%</td>
<td>+/-0.8</td>
</tr>
<tr>
<td>Nonfamily households</td>
<td>23,407</td>
<td>+/-1,037</td>
<td>52.5%</td>
<td>+/-1.9</td>
</tr>
<tr>
<td>Householder living alone</td>
<td>15,873</td>
<td>+/-929</td>
<td>35.6%</td>
<td>+/-1.9</td>
</tr>
<tr>
<td>85 years and over</td>
<td>2,851</td>
<td>+/-355</td>
<td>6.4%</td>
<td>+/-0.8</td>
</tr>
<tr>
<td>Households with one or more people under 18 years</td>
<td>10,216</td>
<td>+/-549</td>
<td>22.9%</td>
<td>+/-1.2</td>
</tr>
<tr>
<td>Households with one or more people 85 years and over</td>
<td>6,348</td>
<td>+/-378</td>
<td>14.2%</td>
<td>+/-0.9</td>
</tr>
</tbody>
</table>
United States
Selected Social Characteristics in the United States: 2006
Data Set: 2006 American Community Survey
Survey: 2006 American Community Survey

Social: Education, Marital Status, Relationships, Fertility, Grandparents...
Economic: Income, Employment, Occupation, Commuting to Work...
Housing: Occupancy and Structure, Housing Value and Costs, Utilities...
Demographic: Sex and Age, Race, Hispanic Origin, Housing Units...
Narrative: Text profile with graphs for easy analysis...

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United States
Population and Housing Narrative Profile: 2006

HOUSEHOLDS AND FAMILIES: In 2006 there were 111.6 million households in United States. The average household size was 2.6 people.

Families made up 57 percent of the households in United States. This figure includes both married-couple families (50 percent) and other families (17 percent). Nonfamily households made up 43 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.

The Types of Households in United States in 2006

<table>
<thead>
<tr>
<th>Type of Household</th>
<th>Percent of Households</th>
</tr>
</thead>
<tbody>
<tr>
<td>Married-couple families</td>
<td>50%</td>
</tr>
<tr>
<td>Other families</td>
<td>17%</td>
</tr>
<tr>
<td>People living alone</td>
<td>21%</td>
</tr>
<tr>
<td>Other nonfamily households</td>
<td>8%</td>
</tr>
</tbody>
</table>

HOUSEHOLD BY TYPE:

- Total households
- Family households (families)
  - With own children under 18 years
  - Married-couple families
  - With own children under 18 years
  - Male householder, no wife present
  - With own children under 18 years
  - Female householder, no husband present
  - With own children under 18 years
- Nonfamily households
  - Householder living alone
  - 65 years and over
## Subject Tables on Employment

<table>
<thead>
<tr>
<th>S2408</th>
<th>Class of Worker by Sex and Median Earnings for the Civilian Employed Population</th>
</tr>
</thead>
<tbody>
<tr>
<td>S2409</td>
<td>Class of Worker by Sex and Median Earnings for the Full-Time, Year-Round Civilian Employed Population</td>
</tr>
<tr>
<td>S2302</td>
<td>Employment Characteristics of Families</td>
</tr>
<tr>
<td>S2301</td>
<td>Employment Status</td>
</tr>
<tr>
<td>S2407</td>
<td>Industry by Class of Worker for Civilian Employed Population</td>
</tr>
<tr>
<td>S2405</td>
<td>Industry by Occupation for the Civilian Employed Population</td>
</tr>
<tr>
<td>S2404</td>
<td>Industry by Sex and Median Earnings in the Past 12 Months for Full-Time, Year-Round Civilian Employed Population</td>
</tr>
<tr>
<td>S2403</td>
<td>Industry by Sex and Median Earnings in the Past 12 Months for the Civilian Employed Population</td>
</tr>
<tr>
<td>S2406</td>
<td>Occupation by Class of Worker for the Civilian Employed Population</td>
</tr>
<tr>
<td>S2402</td>
<td>Occupation by Sex and Median Earnings in the Past 12 Months for Full-Time, Year-Round Civilian Employed Population</td>
</tr>
<tr>
<td>S2401</td>
<td>Occupation by Sex and Median Earnings in the Past 12 Months for the Civilian Employed Population</td>
</tr>
<tr>
<td>S2303</td>
<td>Work Status in the Past 12 Months</td>
</tr>
</tbody>
</table>
Sample Subject Table

**Subject Tables**

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**Colorado**

S2301. Employment Status

Data Set: 2006 American Community Survey

Survey: American Community Survey

NOTE. For information on confidentiality protection, sampling error, nonsampling error, and definitions, see Survey Methodology.

<table>
<thead>
<tr>
<th>Subject</th>
<th>Total</th>
<th>Margin of Error</th>
<th>In labor force</th>
<th>Margin of Error</th>
<th>Employed</th>
<th>Margin of Error</th>
<th>Unemployment rate</th>
<th>Margin of Error</th>
</tr>
</thead>
<tbody>
<tr>
<td>Population 16 years and over</td>
<td>3,712,889</td>
<td>+/-0.966</td>
<td>70.0%</td>
<td>+/-0.4</td>
<td>69.5%</td>
<td>+/-0.4</td>
<td>5.5%</td>
<td>+/-0.2</td>
</tr>
<tr>
<td>AGE</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>16 to 19 years</td>
<td>256,659</td>
<td>+/-3.412</td>
<td>51.2%</td>
<td>+/-1.5</td>
<td>40.2%</td>
<td>+/-1.5</td>
<td>19.9%</td>
<td>+/-1.6</td>
</tr>
<tr>
<td>20 to 24 years</td>
<td>337,730</td>
<td>+/-4.063</td>
<td>79.7%</td>
<td>+/-1.3</td>
<td>68.8%</td>
<td>+/-1.4</td>
<td>9.1%</td>
<td>+/-1.1</td>
</tr>
<tr>
<td>25 to 44 years</td>
<td>1,451,521</td>
<td>+/-4.901</td>
<td>83.5%</td>
<td>+/-0.4</td>
<td>70.0%</td>
<td>+/-0.5</td>
<td>4.5%</td>
<td>+/-0.3</td>
</tr>
<tr>
<td>45 to 54 years</td>
<td>720,742</td>
<td>+/-3.534</td>
<td>82.7%</td>
<td>+/-0.7</td>
<td>79.1%</td>
<td>+/-0.8</td>
<td>4.2%</td>
<td>+/-0.4</td>
</tr>
<tr>
<td>55 to 64 years</td>
<td>485,552</td>
<td>+/-1.950</td>
<td>68.8%</td>
<td>+/-1.0</td>
<td>84.3%</td>
<td>+/-1.0</td>
<td>3.7%</td>
<td>+/-0.5</td>
</tr>
<tr>
<td>65 to 74 years</td>
<td>256,742</td>
<td>+/-1.995</td>
<td>28.3%</td>
<td>+/-1.1</td>
<td>25.6%</td>
<td>+/-1.1</td>
<td>2.6%</td>
<td>+/-0.9</td>
</tr>
<tr>
<td>75 years and over</td>
<td>220,143</td>
<td>+/-1.749</td>
<td>5.7%</td>
<td>+/-0.7</td>
<td>5.8%</td>
<td>+/-0.7</td>
<td>1.3%</td>
<td>+/-1.2</td>
</tr>
</tbody>
</table>

**RACE AND HISPANIC OR LATINO ORIGIN**

<table>
<thead>
<tr>
<th>One race</th>
<th>N</th>
<th>N</th>
<th>N</th>
<th>N</th>
<th>N</th>
<th>N</th>
<th>N</th>
<th>N</th>
</tr>
</thead>
<tbody>
<tr>
<td>White</td>
<td>3,131,383</td>
<td>+/-10.150</td>
<td>70.1%</td>
<td>+/-0.4</td>
<td>86.0%</td>
<td>+/-0.4</td>
<td>4.9%</td>
<td>+/-0.2</td>
</tr>
<tr>
<td>Black or African American</td>
<td>133,365</td>
<td>+/-3.286</td>
<td>68.0%</td>
<td>+/-2.1</td>
<td>81.0%</td>
<td>+/-2.2</td>
<td>9.7%</td>
<td>+/-1.5</td>
</tr>
<tr>
<td>American Indian and Alaska Native</td>
<td>33,355</td>
<td>+/-2.850</td>
<td>88.7%</td>
<td>+/-3.8</td>
<td>88.7%</td>
<td>+/-4.1</td>
<td>11.9%</td>
<td>+/-3.2</td>
</tr>
<tr>
<td>Asian</td>
<td>104,289</td>
<td>+/-2.663</td>
<td>70.1%</td>
<td>+/-2.5</td>
<td>84.8%</td>
<td>+/-2.6</td>
<td>6.3%</td>
<td>+/-2.0</td>
</tr>
<tr>
<td>Native Hawaiian and Other Pacific Islander</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>Some other race</td>
<td>241,644</td>
<td>+/-9.387</td>
<td>79.3%</td>
<td>+/-1.4</td>
<td>84.0%</td>
<td>+/-1.5</td>
<td>8.5%</td>
<td>+/-1.3</td>
</tr>
<tr>
<td>Two or more races</td>
<td>65,740</td>
<td>+/-4.730</td>
<td>68.0%</td>
<td>+/-3.3</td>
<td>81.9%</td>
<td>+/-3.2</td>
<td>10.1%</td>
<td>+/-2.0</td>
</tr>
</tbody>
</table>
Thematic Maps

United States by State
M1603. Percent of People 5 Years and Over Who Speak English Less Than "Very Well": 2004

Data Set: 2004 American Community Survey

NOTE: Data are limited to the household population and exclude the population living in institutions, college dormitories, and other group quarters. For information on confidentiality protection, sampling error, nonsampling error, and definitions, see Survey Methodology.

Source: U.S. Census Bureau, 2004 American Community Survey
Data products for advanced users

Detailed tables
Summary files
Public Use Microdata Sample (PUMS) files
Detailed Tables

Data Set: 2007 American Community Survey 1-Year Estimates
Survey: American Community Survey

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View the collapsed version of this table. Geographies missing from this table are listed below the table.

<table>
<thead>
<tr>
<th>Ann Arbor, MI Metro Area</th>
<th>Estimate</th>
<th>Margin of Error</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total:</td>
<td>249,569</td>
<td>+/- 367</td>
</tr>
<tr>
<td>With any disability:</td>
<td>24,183</td>
<td>+/- 2,346</td>
</tr>
<tr>
<td>Male:</td>
<td>11,405</td>
<td>+/- 1,597</td>
</tr>
<tr>
<td>15 to 34 years:</td>
<td>4,022</td>
<td>+/- 1,051</td>
</tr>
<tr>
<td>Employed:</td>
<td>1,714</td>
<td>+/- 711</td>
</tr>
<tr>
<td>Not employed:</td>
<td>2,318</td>
<td>+/- 832</td>
</tr>
<tr>
<td>35 to 64 years:</td>
<td>7,373</td>
<td>+/- 1,237</td>
</tr>
<tr>
<td>Employed:</td>
<td>3,209</td>
<td>+/- 812</td>
</tr>
<tr>
<td>Not employed:</td>
<td>4,164</td>
<td>+/- 946</td>
</tr>
<tr>
<td>Female:</td>
<td>12,778</td>
<td>+/- 1,498</td>
</tr>
<tr>
<td>15 to 34 years:</td>
<td>9,344</td>
<td>+/- 821</td>
</tr>
<tr>
<td>Employed:</td>
<td>1,520</td>
<td>+/- 541</td>
</tr>
<tr>
<td>Not employed:</td>
<td>1,816</td>
<td>+/- 693</td>
</tr>
<tr>
<td>35 to 64 years:</td>
<td>9,434</td>
<td>+/- 1,412</td>
</tr>
<tr>
<td>Employed:</td>
<td>3,407</td>
<td>+/- 814</td>
</tr>
<tr>
<td>Not employed:</td>
<td>6,027</td>
<td>+/- 1,118</td>
</tr>
<tr>
<td>No disability:</td>
<td>225,346</td>
<td>+/- 2,437</td>
</tr>
<tr>
<td>Male:</td>
<td>114,190</td>
<td>+/- 1,733</td>
</tr>
<tr>
<td>15 to 34 years:</td>
<td>54,900</td>
<td>+/- 1,312</td>
</tr>
<tr>
<td>Employed:</td>
<td>34,122</td>
<td>+/- 2,274</td>
</tr>
</tbody>
</table>
Data Dissemination Plan

We will disseminate all ACS data products through the American FactFinder.

We plan to release census block group data and some detailed tables only as text-based downloadable files.
Select Geography

You are here: Main › Data Sets › Data Sets with Detailed Tables › Geography › Tables › Results
2005-2007 American Community Survey 3-Year Estimates, Detailed Tables

■ Choose a selection method

list  name search  address search  map  geo within geo

■ Explain Census Geography  |  ■ Where are Geographic Components (Urban and Rural)?

■ Select a geographic type

..... County

■ Select a state

Michigan

■ Select one or more geographic areas and click 'Add'

Sanilac County
Shiawassee County
St. Clair County
St. Joseph County
Tuscola County
Van Buren County
Washtenaw County
Wayne County

Add

Current geography selections:

====== County ======
Washtenaw County, Michigan

Download data for more than 7,000 geographic areas using the Download Center.

Remove

Next ➤
Select Tables

You are here: Main > Data Sets > Data Sets with Detailed Tables > Geography > Tables > Results
2005-2007 American Community Survey 3-Year Estimates, Detailed Tables

Choose a table selection method

- by subject
- by keyword
- show all tables

Select one or more tables and click 'Add'

<table>
<thead>
<tr>
<th>Table Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>B05001</td>
<td>Citizenship Status in the United States</td>
</tr>
<tr>
<td>D04007</td>
<td>Ancestry</td>
</tr>
<tr>
<td>C05001</td>
<td>Citizenship Status in the United States</td>
</tr>
<tr>
<td>D05001</td>
<td>PR. Citizenship Status in Puerto Rico</td>
</tr>
<tr>
<td>B05002</td>
<td>Place of Birth by Citizenship Status</td>
</tr>
<tr>
<td>C05002</td>
<td>Place of Birth by Citizenship Status</td>
</tr>
<tr>
<td>B05003</td>
<td>Sex by Age by Citizenship Status</td>
</tr>
<tr>
<td>C05003</td>
<td>Sex by Age by Citizenship Status</td>
</tr>
<tr>
<td>B05003A</td>
<td>Sex by Age by Citizenship Status (White Alone)</td>
</tr>
</tbody>
</table>

Current table selections:

<table>
<thead>
<tr>
<th>Table Code</th>
<th>Description</th>
</tr>
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<tbody>
<tr>
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<td>Citizenship Status in the United States</td>
</tr>
</tbody>
</table>

Explain table numbers

Abbreviations:
- Black - Black or African American
- AIAN - American Indian and Alaska Native
- NHPI - Native Hawaiian and Other Pacific Islander
- SOR - Some Other Race

What's this?
B05001. CITIZENSHIP STATUS IN THE UNITED STATES - Universe: TOTAL POPULATION IN THE UNITED STATES
Data Set: 2005-2007 American Community Survey 3-Year Estimates
Survey: American Community Survey

NOTE. 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.

For information on confidentiality protection, sampling error, nonsampling error, and definitions, see Survey Methodology.

View the collapsed version of this table. Geographies missing from this table are listed below the table.

<table>
<thead>
<tr>
<th>Washtenaw County, Michigan</th>
<th>Estimate</th>
<th>Margin of Error</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total</td>
<td>347,670</td>
<td>******</td>
</tr>
<tr>
<td>U.S. citizen, born in the United States</td>
<td>304,831</td>
<td>+/-1,887</td>
</tr>
<tr>
<td>U.S. citizen, born in Puerto Rico or U.S. Island Areas</td>
<td>446</td>
<td>+/-204</td>
</tr>
<tr>
<td>U.S. citizen, born abroad of American parent(s)</td>
<td>2,706</td>
<td>+/-501</td>
</tr>
<tr>
<td>U.S. citizen by naturalization</td>
<td>13,912</td>
<td>+/-1,136</td>
</tr>
<tr>
<td>Not a U.S. citizen</td>
<td>25,775</td>
<td>+/-1,612</td>
</tr>
</tbody>
</table>

Source: U.S. Census Bureau, 2005-2007 American Community Survey

Data are based on a sample and are subject to sampling variability. The degree of uncertainty for an estimate arising from sampling variability is represented through the use of a margin of error. The value shown here is the 90 percent margin of error. The margin of error can be interpreted roughly as providing a 90 percent probability that the interval defined by the estimate minus the margin of error and the estimate plus the margin of error (the lower and upper confidence bounds) contains the true value. In addition to sampling variability, the ACS estimates are subject to nonsampling error (for a discussion of nonsampling variability, see Accuracy of the Data). The effect of nonsampling error is not represented in these tables.
Interpreting ACS 5-year estimates

Based on data collected between January 2005 and December 2009

Represent the average characteristics over this time period
Interpreting 5-year estimates

Examples

Fictitious data

Characteristic with year-to-year increases

Characteristic with annual fluctuations (increases and decreases)

Characteristic with little change over time
Characteristic with year-to-year increases

Percent Foreign Born Population

<table>
<thead>
<tr>
<th>Year</th>
<th>1-year estimates</th>
<th>5-year estimates</th>
</tr>
</thead>
<tbody>
<tr>
<td>2005</td>
<td>20.0%</td>
<td></td>
</tr>
<tr>
<td>2006</td>
<td>21.2%</td>
<td></td>
</tr>
<tr>
<td>2007</td>
<td>23.3%</td>
<td>28.6%</td>
</tr>
<tr>
<td>2008</td>
<td></td>
<td>32.6%</td>
</tr>
<tr>
<td>2009</td>
<td></td>
<td>25.9%</td>
</tr>
</tbody>
</table>
Characteristic with annual fluctuations

Homeownership rates

Year
2005 2006 2007 2008 2009
Percent
0% 10% 20% 30% 40% 50% 60% 70% 80%
1-year estimates
52.0% 66.7% 44.3% 40.0% 51.3%
5-year estimates
55.6%
Characteristic with little change over time

<table>
<thead>
<tr>
<th>Year</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>2005</td>
<td>34.2%</td>
</tr>
<tr>
<td>2006</td>
<td>34.9%</td>
</tr>
<tr>
<td>2007</td>
<td>34.2%</td>
</tr>
<tr>
<td>2008</td>
<td>34.7%</td>
</tr>
<tr>
<td>2009</td>
<td>34.9%</td>
</tr>
</tbody>
</table>

Percent in Management, Professional, and Related Occupations

- **1-year estimates**
- **5-year estimates**

US CENSUS BUREAU
Census 2000 and ACS

Similarities

Census 2000 questions are on the ACS

ACS produces many of the same tables and characteristics as Census 2000
Census 2000 and ACS

Similarities

Same broad set of geographic areas

Same basic data dissemination vehicle – American FactFinder and same basic types of data products
Census 2000 and ACS
Key Differences

ACS data are collected continuously and all ACS estimates are period estimates

Estimates will be released every year rather than once-a-decade
Census 2000 and ACS
Key Differences

ACS estimates are released in the form of both single year and multiyear estimates

ACS estimates have more sampling error
Quality of ACS Estimates

Margins of error around ACS 5-year estimates will be about 1.75 times as large as those associated with the Census 2000 sample estimates

Evaluations have found reductions in ACS nonsampling error relative to Census 2000
Comparing Data from the ACS with Census 2000

<table>
<thead>
<tr>
<th>Topic</th>
<th>2009 ACS with Census 2000</th>
<th>2009 ACS 1-Year with 2008 ACS 1-Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Residence 1 Year Ago Migration</td>
<td>Do Not Compare (Details)</td>
<td>Compare</td>
</tr>
</tbody>
</table>

The ACS asked for residence 1 year ago whereas Census 2000 asked for residence 5 years ago.
To summarize ....

... 10 things you should know about the ACS 5-year estimates
1. It’s Not the 2010 Census
2. The data are based on a sample of the population
ACS Displays Margins of Error

Data Profile

You are here: Main > Data Sets > Geography > Results

2007 Data Profiles:
- Social
  - Economic
  - Housing
  - Demographic
  - Narrative

2007 Comparison Profile

View this table...
- from 2007
  - from 2006
  - from 2005
  - from 2004
  - from 2003
  - from 2002

View this table...
- for other geographies
  - (state, county, place...)

- Subject Definitions
- Quality Measures


Data Set: 2007 American Community Survey 1-Year Estimates
Survey: American Community Survey

Social - Education, Marital Status, Relationships, Fertility, Grandparents...
Economic - Income, Employment, Occupation, Commuting to Work...
Housing - Occupancy and Structure, Housing Value and Costs, Utilities...
Demographic - Sex and Age, Race, Hispanic Origin, Housing Units...
Narrative - Text profile with graphs for easy analysis...

NOTE. 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.

For more information on confidentiality protection, sampling error, nonsampling error, and definitions, see Survey Methodology.

<table>
<thead>
<tr>
<th>Selected Social Characteristics in the United States</th>
<th>Estimate</th>
<th>Margin of Error</th>
<th>Percent</th>
<th>Margin of Error</th>
</tr>
</thead>
<tbody>
<tr>
<td>HOUSEHOLDS BY TYPE</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total households</td>
<td>251,000</td>
<td>+/-2,911</td>
<td>100%</td>
<td></td>
</tr>
<tr>
<td>Family households (families)</td>
<td>108,181</td>
<td>+/-3,689</td>
<td>43.1%</td>
<td>+/-1.5</td>
</tr>
<tr>
<td>With own children under 18 years</td>
<td>45,089</td>
<td>+/-3,034</td>
<td>18.0%</td>
<td>+/-1.2</td>
</tr>
<tr>
<td>Married-couple family</td>
<td>55,790</td>
<td>+/-2,892</td>
<td>22.2%</td>
<td>+/-1.2</td>
</tr>
<tr>
<td>With own children under 18 years</td>
<td>18,752</td>
<td>+/-2,175</td>
<td>7.5%</td>
<td>+/-0.9</td>
</tr>
<tr>
<td>Male householder, no wife present, family</td>
<td>9,434</td>
<td>+/-1,574</td>
<td>3.8%</td>
<td>+/-0.6</td>
</tr>
<tr>
<td>With own children under 18 years</td>
<td>3,418</td>
<td>+/-1,105</td>
<td>1.4%</td>
<td>+/-0.4</td>
</tr>
<tr>
<td>Female householder, no husband present, family</td>
<td>42,957</td>
<td>+/-2,890</td>
<td>17.1%</td>
<td>+/-1.1</td>
</tr>
<tr>
<td>With own children under 18 years</td>
<td>23,018</td>
<td>+/-2,220</td>
<td>9.4%</td>
<td>+/-0.9</td>
</tr>
</tbody>
</table>
3. A wealth of content
4. More geographic detail than you can imagine

Kentucky: 110th Congressional Districts
4. More geographic detail than you can imagine

Kentucky: Counties in Kentucky by Population Size
4. More geographic detail than you can imagine

Kentucky: Census Tracts
5. ACS data are very easy to access
Public use microdata files are available
7. All estimates are period estimates
8. It’s OK to compare

U.S.: Median Age of the Total Population
9. More data are coming

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1-year estimates</td>
<td>65,000+</td>
<td>2005</td>
<td>2006</td>
<td>2007</td>
<td>2008</td>
<td>2009</td>
<td>2010</td>
<td>2011</td>
<td>2012</td>
</tr>
</tbody>
</table>
10. We can help

Customer Service Operator

E-tutorial

Compass Products
Feel free to contact me with any of your questions

Deborah.H.Griffin@census.gov