Tracking Trends
Sacramento Area Council of Governments
March 2, 2016
Data Dissemination:

Workshops

Presentations

Data Inquiries

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Agenda

- Census Bureau Factfinder for Nation – See Briefs
- Sources of Data
- Statistics
  - Population Estimates and Projections
  - Selected Nation/Region -- ACS Characteristics
  - 2005-2009 and 2010 - 2014 Demographic Profiles
  - Resources and Tools- Census Explorer, Quick Facts,
Trends to Track

- National Population growing but at slower rate
- Aging of the Population
- Declining Household Size
- Changing Household Composition
- Grandparents as Caregivers
- Mothers with Infants Returning to the Labor Force
- Children Living in Poverty
- Growth of Racial and Ethnic Groups
To Track Trends Provide Comparisons

- Over time (Decade changes, Period changes)
- Demonstrate emerging issues affecting your target population
- Compare subset data to larger group
  - State to national
  - Compare with neighboring counties
  - City/town to county or State
  - Census tract to other tracts or to city/county
Decennial Census

- Constitutional Mandate
  - Article 1, Section 2
  - 23 Censuses since 1790

- Congressional Reapportionment

- Redistricting

- Data is used to distribute federal funds
California Population Growth

<table>
<thead>
<tr>
<th>California Population</th>
<th>Census 2000</th>
<th>Census 2010</th>
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<tbody>
<tr>
<td></td>
<td>33,871,648</td>
<td>37,253,956</td>
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</table>

10%
California Resident Population Percent Change

<table>
<thead>
<tr>
<th>Year</th>
<th>% Change</th>
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<tbody>
<tr>
<td>1910</td>
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<td>1980</td>
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<td>1990</td>
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</tr>
<tr>
<td>2000</td>
<td>13.80</td>
</tr>
<tr>
<td>2010</td>
<td>10.00</td>
</tr>
</tbody>
</table>
Current Population Survey

Major component of national unemployment data

Supplemental Coverage Areas
- Child Support
- School Enrollment
- Health Insurance coverage
- Volunteerism
Case Example
Current Population Survey

Labor Force Trends for Youth

Source: California Employment Development Department
Trends

- Growing older – Aging Population
- More Racially and Ethnically Diverse
- Self Employment
- Sharing Economy (Gig Economy)
Who will be in the Labor Force?

- Baby Boomers 1946-1964 (51-69 years old)
- Generation “X” 1965-1979 (36-50)
- Generation Z or iGeneration 2001 and Up
Labor Force Trends: Share of Labor Force

California: Share of the Labor Force by Age Group
Source: Current Population Survey of Households

- Ages 16-19
- 20-24
- 25-34
- 35-44
- 45-54
- 55-64
- 65 years and older

Source: State of California, Employment Development Department
## California's Employed Labor Force During the Recession and Recovery Periods

<table>
<thead>
<tr>
<th>Age Groups</th>
<th>Great Recession Period</th>
<th>Recovery Period</th>
<th></th>
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</thead>
<tbody>
<tr>
<td>Age 16-19</td>
<td>634,100</td>
<td>514,400</td>
<td>-119,700</td>
<td>505,100</td>
<td>388,700</td>
<td>-116,400</td>
</tr>
<tr>
<td>20-24</td>
<td>1,673,500</td>
<td>1,592,900</td>
<td>-80,600</td>
<td>1,595,300</td>
<td>1,800,500</td>
<td>205,200</td>
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<tr>
<td>25-34</td>
<td>4,011,100</td>
<td>3,867,600</td>
<td>-143,500</td>
<td>3,829,600</td>
<td>3,881,700</td>
<td>52,100</td>
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<tr>
<td>35-44</td>
<td>4,280,700</td>
<td>3,954,600</td>
<td>-326,100</td>
<td>3,944,700</td>
<td>3,780,000</td>
<td>-164,700</td>
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<tr>
<td>45-54</td>
<td>3,960,800</td>
<td>3,896,700</td>
<td>-64,100</td>
<td>3,886,500</td>
<td>3,801,600</td>
<td>-84,900</td>
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<tr>
<td>55-64</td>
<td>2,134,300</td>
<td>2,320,500</td>
<td>186,200</td>
<td>2,322,700</td>
<td>2,757,200</td>
<td>434,500</td>
</tr>
<tr>
<td>65 years and older</td>
<td>539,600</td>
<td>649,100</td>
<td>109,500</td>
<td>646,000</td>
<td>888,200</td>
<td>242,200</td>
</tr>
</tbody>
</table>

Source: Current Population Survey of Households, 12-month moving average
Labor Force Trends: Large Share of Younger Workers

Leisure and Hospitality Sector Workforce Share by Age Group
Source: Current Population Survey of Households

Between 16 and 19: 14.3%
Between 20 and 24: 8.2%
Between 25 and 34: 0.0%
Between 35 and 44: 5.0%
Between 45 and 54: 10.0%
55 years and older: 15.0%

December 2007 (Start of U.S. Recession)
June 2009 (End of Recession Period)
December 2014

State of California Employment Development Department
California Wholesale and Retail Trade Subsectors
Workforce Share by Age Group
Source: Current Population Survey of Households

- Between 16 and 19: 8.0%
- 20 and 24: 4.8%
- 25 and 34: 5.0%
- 35 and 44: 10.0%
- 45 and 54: 15.0%
- 55 years and older: 20.0%

December 2007 (Start of U.S. Recession)
June 2009 (End of Recession Period)
December 2014
California Occupational Group Analysis
Workforce Share of 16-19 year old Workers
Source: Current Population Survey of Households

- **Food preparation and serving related occupations**
  - Dec. 2007: 17.1%
  - June 2009: 14.9%
  - Dec. 2014: 9.4%

- **Personal care and service occupations**
  - Dec. 2007: 6.2%
  - June 2009: 3.3%
  - Dec. 2014: 3.1%

- **Sales and related occupations**
  - Dec. 2007: 8.7%
  - June 2009: 5.7%
  - Dec. 2014: 5.7%
Labor Force Trends: Unemployment Rate

California: Unemployment Rates by Age Group
Source: Current Population Survey of Households

- December 2007 (Start of U.S. Recession)
- June 2009 (End of U.S. Recession)
- December 2014

Unemployment Rate in Percent

- Statewide: 5.3, 18.0, n/a, 9.3, 28.6, 25.9
- Age 16-19: 9.3, 18.0
- 20-24: 7.5, 12.0
- 25-34: 5.3, 7.5
- 35-44: 5.3, 7.5
- 45-54: 5.3, 7.5
- 55-64: 5.3, 7.5
- 65 years and older: n/a

United States Department of Commerce
Economics and Statistics Administration
U.S. CENSUS BUREAU
census.gov
**Labor Force Trends: Labor Force Participation Rate**

**California: Labor Force Participation Rate by Age Group**

Source: Current Population Survey of Households

- **Start of U.S. Recession**
  - December 2007
  - Statewide 65.6

- **End of U.S. Recession**
  - June 2009
  - Statewide 65.8

- **December 2014**
  - Statewide 62.3

- **16-19 years old**
  - December 2007: 36.1
  - December 2014: 24.6

- **20-24**
  - December 2007: 70.0
  - December 2014: 66.7

- **25-34**
  - December 2007: 80.0
  - December 2014: 76.7

- **35-44**
  - December 2007: 86.7
  - December 2014: 85.0

- **45-54**
  - December 2007: 89.0
  - December 2014: 87.7

- **55-64**
  - December 2007: 78.7
  - December 2014: 76.7

- **65 years and older**
  - December 2007: 57.7
  - December 2014: 55.0

- **Dec-07**
- **Jul-08**
- **Feb-09**
- **Sep-09**
- **Apr-10**
- **Nov-10**
- **Jun-11**
- **Jan-12**
- **Aug-12**
- **Mar-13**
- **Oct-13**
- **May-14**
- **Dec-14**
Labor Force Trends: Not in the Labor Force

Reasons for Not Being in the CA Labor Force (16-19 year olds)
Source: Current Population Survey of Households
December 2014 (12-month moving average)

- In School: 91.6%
- Taking Care Of House Or Family: 8.4%
- Other: 4.3%
- Disabled: 3.7%
- Ill: 91.6%
Ways Younger Workers Are Adjusting To Workforce Trends

Social Media

• Increased use by younger job seekers
  - “Hashtags” via Twitter
  - “Likes” via Facebook
  - “Market Original Content” via Tumblr
  - “Pin Your Resume” via Pinterest

Sharing Economy (Gig Economy)

• The sharing economy is a socio-economic system built around the sharing of human and physical assets.
  • Examples: Lyft (Ride Broker); TaskRabbit (Chores); Instacart (Grocery Delivery)
Population Estimates and Projections
Population Estimates

- Population totals available for the United States, states, counties, places and Puerto Rico
- Components of change available for nation, states and counties
- Based on births, deaths and migration
Estimates and Projections

- **Estimates**
  - For the present and the past
  - Produced using administration records and other data
  - The official measures of population and housing units between censuses
    - Monthly and Annual (July 1) for each year
    - Formulated based on the latest census number, birth and death rates and migration

- **Projections**
  - Estimates for future dates
    - Produced by making assumptions about future trends
    - Use the latest Published census or estimates as a base
What estimate data do we produce?

- Resident population
  - Totals
    - National, state, county, sub-county (Incorporated Cities)
  - Demographic Characteristics
    - National, state and county
      - Age, sex, race and Hispanic origin

- Other Data
  - Component of change
    - Birth, deaths and migration
  - Housing Units
  - Population Universes
    - Residents plus armed forces overseas, civilian and civilian non-institutionalized
Most Populated California Counties 2014

- San Joaquin County: 715,597
- San Mateo County: 758,581
- Ventura County: 846,178
- San Francisco County: 852,469
- Kern County: 874,589
- Fresno County: 965,974
- Contra Costa County: 1,111,339
- Sacramento County: 1,482,026
- Alameda County: 1,610,921
- Santa Clara County: 1,894,605
- San Bernardino County: 2,112,619
- Riverside County: 2,329,271
- Orange County: 3,145,515
- San Diego County: 3,263,431
- Los Angeles County: 10,116,705
Sacramento County--
Annual Estimates of the Resident Population: April 1, 2010 to July 1, 2014
Population Estimates (as of July 1)

Source: U.S. Census Bureau, Population Division
# PEPTCOMP- Estimates of the Components of Change

## Cumulative Estimates of the Components of Population Change

**April 1, 2010 to July 1, 2014**

<table>
<thead>
<tr>
<th></th>
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<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>Births</td>
<td>Deaths</td>
<td>Total</td>
<td>International [2]</td>
<td>Domestic</td>
<td></td>
</tr>
<tr>
<td>El Dorado County, California</td>
<td>2,030</td>
<td>688</td>
<td>6,652</td>
<td>5,964</td>
<td>1,284</td>
<td>719</td>
<td>565</td>
<td></td>
</tr>
<tr>
<td>Placer County, California</td>
<td>23,200</td>
<td>3,767</td>
<td>15,877</td>
<td>12,110</td>
<td>18,912</td>
<td>2,788</td>
<td>16,124</td>
<td></td>
</tr>
<tr>
<td>Sacramento County, California</td>
<td>63,284</td>
<td>39,224</td>
<td>84,065</td>
<td>44,841</td>
<td>23,552</td>
<td>21,534</td>
<td>2,018</td>
<td></td>
</tr>
<tr>
<td>Sutter County, California</td>
<td>1,110</td>
<td>2,323</td>
<td>5,490</td>
<td>3,167</td>
<td>-1,292</td>
<td>2,086</td>
<td>-3,378</td>
<td></td>
</tr>
<tr>
<td>Yolo County, California</td>
<td>6,740</td>
<td>5,271</td>
<td>10,299</td>
<td>5,028</td>
<td>1,345</td>
<td>4,394</td>
<td>-3,049</td>
<td></td>
</tr>
<tr>
<td>Yuba County, California</td>
<td>1,811</td>
<td>3,089</td>
<td>5,243</td>
<td>2,154</td>
<td>-1,169</td>
<td>661</td>
<td>-1,830</td>
<td></td>
</tr>
</tbody>
</table>

## Annual Estimates of the Components of Population Change

**July 1, 2013 to July 1, 2014**

<table>
<thead>
<tr>
<th></th>
<th>Total Population Change [1]</th>
<th>Natural Increase</th>
<th>Vital Events</th>
<th>Net Migration</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>Births</td>
<td>Deaths</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>International [2]</td>
<td>Domestic</td>
</tr>
<tr>
<td>El Dorado County, California</td>
<td>1,545</td>
<td>40</td>
<td>1,526</td>
<td>1,486</td>
</tr>
<tr>
<td>Placer County, California</td>
<td>4,355</td>
<td>784</td>
<td>3,708</td>
<td>2,924</td>
</tr>
<tr>
<td>Sacramento County, California</td>
<td>18,877</td>
<td>8,735</td>
<td>19,720</td>
<td>10,986</td>
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<tr>
<td>Sutter County, California</td>
<td>560</td>
<td>531</td>
<td>1,260</td>
<td>729</td>
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<tr>
<td>Yolo County, California</td>
<td>2,105</td>
<td>1,254</td>
<td>2,455</td>
<td>1,201</td>
</tr>
<tr>
<td>Yuba County, California</td>
<td>605</td>
<td>735</td>
<td>1,217</td>
<td>482</td>
</tr>
</tbody>
</table>

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United States Census Bureau
Economics and Statistics Administration
U.S. CENSUS BUREAU
census.gov
Vital Events  April 1, 2010 - July 1, 2014

El Dorado County  Placer County  Sacramento County  Sutter County  Yolo County  Yuba County

Total Population Change [1]  2,030  23,200  63,284  1,110  6,740  1,811
Natural Increase  688  3,767  39,224  2,323  5,271  3,089
Births  6,652  15,877  84,065  5,490  10,299  5,243
Deaths  5,964  12,110  44,841  3,167  5,028  2,154
Who’s coming in and from where?

<table>
<thead>
<tr>
<th></th>
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<tbody>
<tr>
<td>El Dorado</td>
<td>1,284</td>
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<td>565</td>
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<td>18,912</td>
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<td>Sacramento</td>
<td>23,552</td>
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<td>-1,292</td>
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<td>1,345</td>
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<td>Yuba County</td>
<td>-1,169</td>
<td>661</td>
<td>-1,830</td>
</tr>
</tbody>
</table>

ACS Data and Tools
Foreign Born Population
Migration Flow mapper
Foreign Born Population

Citizenship Status

## Selected Characteristics of the Foreign Born by Region of Birth: Table-S0506

| Subject                                | Total                      | Margin of Error | Foreign born; Born in Latin America | Margin of Error | Foreign born; Born in Mexico | Margin of Error | Foreign born; Born in Other Central America | Margin of Error | Foreign born; Born in Caribbean | Margin of Error | Foreign born; Born in South America | Margin of Error |
|----------------------------------------|----------------------------|----------------|------------------------------------|----------------|-----------------------------|----------------|--------------------------------------------|----------------|-----------------------------------|----------------|----------------------------------|----------------|-------------------------------|
| **Placer County, California**          |                            |                |                                    |                |                             |                |                                            |                |                                   |                |                                 |                |                                |
| Foreign-born population                | 37,793                     | +/-1,708       | 11,480                             | +/-922         | 9,201                       | +/-898         | 1,302                                      | +/-408         | 132                               | +/-76          | 845                             | +/-222         |
| CITIZENSHIP AND PERIOD OF ENTRY        |                            |                |                                    |                |                             |                |                                            |                |                                   |                |                                 |                |                                |
| Naturalized citizen                    | 57.8%                      | +/-1.9         | 35.2%                              | +/-3.9         | 31.1%                       | +/-4.5         | 47.5%                                      | +/-15.4        | 53.0%                             | +/-31.8        | 59.1%                          | +/-11.1        |
| Entered 2010 or later                  | 0.1%                       | +/-0.1         | 0.1%                               | +/-0.2         | 0.0%                        | +/-0.4         | 0.0%                                       | +/-2.6         | 0.0%                             | +/-23.0        | 2.0%                           | +/-2.8         |
| Entered 2000 to 2009                   | 8.5%                       | +/-1.1         | 3.6%                               | +/-1.4         | 2.5%                        | +/-1.3         | 1.1%                                       | +/-1.3         | 28.0%                            | +/-32.3        | 15.4%                          | +/-10.6        |
| Entered before 2000                    | 49.2%                      | +/-2.0         | 31.5%                              | +/-3.8         | 26.0%                       | +/-4.2         | 40.4%                                      | +/-15.2        | 25.0%                            | +/-23.0        | 41.7%                          | +/-13.1        |
| Not a citizen                          | 42.2%                      | +/-1.9         | 64.8%                              | +/-3.9         | 68.9%                       | +/-4.5         | 52.5%                                      | +/-15.4        | 47.0%                            | +/-31.8        | 40.9%                          | +/-11.1        |
| Entered 2010 or later                  | 4.0%                       | +/-1.1         | 5.2%                               | +/-2.6         | 4.3%                        | +/-2.6         | 12.8%                                      | +/-12.4        | 0.0%                             | +/-23.0        | 4.0%                           | +/-5.3         |
| Entered 2000 to 2009                   | 18.7%                      | +/-1.9         | 29.5%                              | +/-5.0         | 32.2%                       | +/-6.0         | 19.4%                                      | +/-9.9         | 23.5%                            | +/-25.1        | 18.0%                          | +/-9.2         |
| Entered before 2000                    | 19.5%                      | +/-1.6         | 30.0%                              | +/-3.8         | 32.4%                       | +/-4.3         | 20.3%                                      | +/-8.3         | 23.5%                            | +/-22.6        | 18.9%                          | +/-9.9         |
| SEX AND AGE                            |                            |                |                                    |                |                             |                |                                            |                |                                   |                |                                 |                |                                |
| Male                                   | 46.4%                      | +/-1.2         | 52.9%                              | +/-2.7         | 55.6%                       | +/-2.8         | 45.5%                                      | +/-12.1        | 56.1%                            | +/-25.2        | 33.8%                          | +/-9.4         |
| Female                                 | 53.6%                      | +/-1.2         | 47.1%                              | +/-2.7         | 44.4%                       | +/-2.8         | 54.5%                                      | +/-12.1        | 43.9%                            | +/-25.2        | 66.2%                          | +/-9.4         |
| Under 5 years                          | 0.3%                       | +/-0.2         | 0.2%                               | +/-0.3         | 0.2%                        | +/-0.3         | 0.0%                                       | +/-2.6         | 0.0%                             | +/-23.0        | 0.0%                           | +/-4.1         |
| 5 to 17 years                          | 5.6%                       | +/-0.9         | 7.1%                               | +/-2.1         | 6.7%                        | +/-2.2         | 11.4%                                      | +/-11.5        | 7.6%                             | +/-11.8        | 3.7%                           | +/-5.4         |
| 18 to 24 years                         | 6.5%                       | +/-1.1         | 8.3%                               | +/-2.1         | 8.9%                        | +/-2.5         | 5.8%                                       | +/-7.5         | 9.8%                             | +/-13.5        | 4.7%                           | +/-4.8         |
| 25 to 44 years                         | 38.0%                      | +/-1.5         | 49.0%                              | +/-3.3         | 50.9%                       | +/-3.6         | 47.5%                                      | +/-10.2        | 19.7%                            | +/-21.7        | 35.1%                          | +/-11.8        |
| 45 to 54 years                         | 18.5%                      | +/-1.2         | 16.9%                              | +/-2.3         | 16.1%                       | +/-2.7         | 16.5%                                      | +/-7.9         | 21.2%                            | +/-25.3        | 24.9%                          | +/-11.3        |
| 55 to 64 years                         | 12.6%                      | +/-0.9         | 9.9%                               | +/-1.7         | 9.7%                        | +/-2.2         | 5.9%                                       | +/-4.1         | 25.0%                            | +/-23.1        | 15.5%                          | +/-7.6         |
| 65 to 74 years                         | 10.3%                      | +/-1.0         | 4.9%                               | +/-1.2         | 3.8%                        | +/-1.2         | 6.7%                                       | +/-4.2         | 0.0%                             | +/-23.0        | 14.2%                          | +/-8.8         |
Migration Flow Mapper
http://flowsmapper.geo.census.gov/map.html

Census Flows Mapper

Search for a county or click on the map.
Sacramento County, California

Choose a dataset.
- 2009-13
- 2008-12
- 2007-11
- 2006-10

Choose type of migration flow.
- Net
- Outbound
- Inbound

Choose a characteristic.
- Remainder of Asia

Choose colors.

Choose number of movers.

Sacramento County, California
Population (1 yr and over): 1,416,884
Movers from a different state: 16,376
Movers to a different state: 19,954
Movers to a different county, same state: 51,220
Movers to a different county, same state: 45,958
Movers from abroad: 7,069

Version 1.3.1

United States Census Bureau
U.S. Department of Commerce
Economics and Statistics Administration
U.S. CENSUS BUREAU
census.gov
Older Population (in thousands)

<table>
<thead>
<tr>
<th>Years</th>
<th>65 years and over</th>
<th>85 years and over</th>
</tr>
</thead>
<tbody>
<tr>
<td>2015</td>
<td>47,695</td>
<td>6,306</td>
</tr>
<tr>
<td>2020</td>
<td>55,969</td>
<td>6,693</td>
</tr>
<tr>
<td>2025</td>
<td>65,052</td>
<td>7,389</td>
</tr>
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<td>2030</td>
<td>72,774</td>
<td>8,946</td>
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<td>2035</td>
<td>77,315</td>
<td>11,579</td>
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<tr>
<td>2040</td>
<td>79,719</td>
<td>14,115</td>
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<tr>
<td>2045</td>
<td>81,288</td>
<td>16,512</td>
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<tr>
<td>2050</td>
<td>83,739</td>
<td>17,978</td>
</tr>
<tr>
<td>2055</td>
<td>87,309</td>
<td>18,201</td>
</tr>
<tr>
<td>2060</td>
<td>92,033</td>
<td>18,187</td>
</tr>
</tbody>
</table>
Population Projections 2012-2060

Population by Race and Hispanic Origin: 2012 and 2060
(Percent of total population)
American Community Survey
Overview

Part of the decennial census program

Large-scale annual survey with a current sample of about 3.5 million (1 in 38) household addresses every year

Questionnaires are mailed to approximately 295,000 addresses a month across the United States

ACS is a mandatory survey

ACS serves the nation by providing a consistent and cohesive collection of population, social, housing, and economic characteristics that are comparable across all U.S. geographies

American Community Survey

On-Line Access

United States

2015 Population Estimate
321,418,820

Median Household Income
$53,482
Source: 2010-2014 American Community Survey 5-Year Estimates

Individuals below poverty level
15.6%
Source: 2010-2014 American Community Survey 5-Year Estimates

Educational Attainment: Percent high school graduate or higher
86.3%
Source: 2010-2014 American Community Survey 5-Year Estimates

Health Insurance Coverage: Percent uninsured
14.2%
Source: 2010-2014 American Community Survey 5-Year Estimates

Median Housing Value
$175,700
Source: 2010-2014 American Community Survey 5-Year Estimates

Total Housing Units
132,741,033
Source: 2010-2014 American Community Survey 5-Year Estimates

Number of Companies
27,092,908
Source: 2007 Survey of Business Owners
ACS History

1940-2000
• Decennial Census: Short Form & Long Form

2005
• American Community Survey Replaces Decennial Long Form

2010
• Decennial Census: Short Form Only
<table>
<thead>
<tr>
<th><strong>Census</strong></th>
<th><strong>ACS</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Every 10 Years</td>
<td>Yearly</td>
</tr>
<tr>
<td>100 Percent Data</td>
<td>Sample Data (3.5 million year/291K monthly)</td>
</tr>
<tr>
<td>Official Count</td>
<td>Estimates (trends/comparisons)</td>
</tr>
<tr>
<td>Point In Time (April 1st)</td>
<td>Period of Time (1yr, 5yr)</td>
</tr>
</tbody>
</table>
American Community Survey

Social
- Household Type
- Marital Status
- Education
- Grandparent Caregivers
- Veterans
- Disability Status
- Poverty
- Citizenship
- Language

Demographic
- Age
- Sex
- Race
- Hispanic Origin

Economic
- Income
- Benefits
- Employment Status
- Occupation
- Industry
- Commuting to Work
- Place of Work

Housing
- Tenure
- Housing Value
- Occupancy
- Taxes & Insurance
- Household Size
- Utilities
Facts For Features

FFF: Women’s History Month: March 2015

February 26, 2015

Release Number: CB15-FF.05

National Women’s History Month’s roots go back to March 8, 1857, when women from New York City factories staged a protest over working conditions. International Women’s Day was first observed in 1909, but it wasn’t until 1981 that Congress established National Women’s History Week to be commemorated the second week of March. In 1987, Congress expanded the week to a month. Every year since, Congress has passed a resolution for Women’s History Month, and the President has issued a proclamation.

Graphic [PDF] <1.0MB

Download Women’s History Month [JPG - <1.0 MB]

161 million
The number of females in the U.S. as of December 2013. The number of males was 156.1 million. Source: Monthly Postcensal Resident Population: 7/1/2013 – 12/1/2013 <http://www.census.gov/popest/data/national/asrh/2012/2012-natres.html>

2 to 1
At 85 and older, the approximate ratio by which women outnumbered
Overview

Analysis
- Compare ACS Characteristics for US Regions
- Compare State with selected counties

Tables
- CP-Comparison Profiles
- GCT- Geographic Comparison Tables
ACS: Making Comparisons

1) comparisons of estimates from different geographic areas within the same time period (e.g., comparing the proportion of people below the poverty level in two counties)

2) comparisons of estimates for the same geographic area across time periods (e.g., comparing the proportion of people below the poverty level in a county for 2009 and 2014)
ACS: Making Comparisons

Comparison must take into account the sampling error associated with each estimate, thus determining whether the observed differences between estimates are statistically significant.

Statistical significance means that there is statistical evidence that a true difference exists within the full population, and that the observed difference is unlikely to have occurred by chance due to sampling.
ACS: Making Comparisons

3) comparisons of ACS estimates with the corresponding estimates from past decennial census samples (e.g., comparing the proportion of people below the poverty level in a county for 2006 and 2000).
Algebraically, the significance test can be expressed as follows:

If \[ \left| \frac{\hat{X}_1 - \hat{X}_2}{\sqrt{SE_1^2 + SE_2^2}} \right| > Z_{CL} \], then the difference between estimates \( \hat{X}_1 \) and \( \hat{X}_2 \) is statistically significant at the specified confidence level, CL.

where \( \hat{X}_i \) is estimate \( i (=1,2) \)

\( SE_i \) is the SE for the estimate \( i (=1,2) \)

\( Z_{CL} \) is the critical value for the desired confidence level (=1.645 for 90 percent, 1.960 for 95 percent, 2.576 for 99 percent).
### Maryland State Data Center

**Calculations of Statistical Significance & MOEs of Combinations of ACS Data**

**Spreadsheet for Calculating Margins of Error and Statistical Significance for Sums, Proportions and Ratios**

Note: Calculations include:
- "Significance test for Difference between Two Estimates"
- "Calculate the Standard Error of the Difference or Sum of Two Estimates"
- "Calculate the Standard Error of Sum of More Than Two Estimates" (if appropriate)
- "Calculate the Standard Error of a Proportion"
- "Calculate the Standard Error of a Ratio"

#### ACS Statistical Significance

<table>
<thead>
<tr>
<th>Calculation</th>
<th>Information Needed</th>
<th>Example</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Calculate the statistical significance of the difference between two estimates.</strong></td>
<td>Two estimates. 90% margin of error for each estimate. If you don't have this you might need to use one of the other choices below first.</td>
<td>Example: Is there a significant difference between the median age in New York City and Los Angeles?</td>
</tr>
<tr>
<td><strong>Calculate the 90% margin of error for the difference between or total of two estimates.</strong></td>
<td>This does not test for significant difference.</td>
<td>Example: What is the margin of error for the number of associate degree recipients living in either Albany or Schenectady County, NY?</td>
</tr>
<tr>
<td><strong>Calculate the 90% margin of error for the sum of three or more estimates.</strong></td>
<td>Three or more estimates. 90% margin of error for each estimate.</td>
<td>Example: What is the margin of error for the number of households with incomes less than $40,000 (combination of 7 categories) in New York City?</td>
</tr>
<tr>
<td><strong>Calculate the Margin of Error for a proportion.</strong></td>
<td>Estimated value (e.g., number of people 25 and older who did not graduate high school). Estimated base value (e.g., number of people 25 and older). 90% margin of error for each of these estimated values.</td>
<td>Example: What percent of the population 25 and older in Syracuse did not graduate high school and what is the 90% margin of error for this percentage?</td>
</tr>
</tbody>
</table>
Comparison Profiles

- Comparison Profiles
  Provide detailed demographic, social, economic and housing data about a selected geography over several years to help users identify trends and patterns over time.

- 2014 ACS 1 Year CP

- Statistical Significance denoted with an *
Comparison Profiles-
Median Housing Value – Sacramento Co

Median Housing Value

Source: ACS 1 Year Estimates for 2014- CP04
Geographic Comparison Tables - GCT

- Compare geographic areas other than states (e.g., counties or congressional districts) for key variables.
- 2014 ACS 1-year GCT
- 2010-2014 ACS 5-year GCT
<table>
<thead>
<tr>
<th>County</th>
<th>Percent of Population who are Foreign Born</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alameda County</td>
<td>31.9</td>
</tr>
<tr>
<td>Butte County</td>
<td>7.9</td>
</tr>
<tr>
<td>Contra Costa County</td>
<td>24.5</td>
</tr>
<tr>
<td>El Dorado County</td>
<td>10.4</td>
</tr>
<tr>
<td>Fresno County</td>
<td>21.3</td>
</tr>
<tr>
<td>Humboldt County</td>
<td>5.7</td>
</tr>
<tr>
<td>Imperial County</td>
<td>32.4</td>
</tr>
<tr>
<td>Kern County</td>
<td>19.4</td>
</tr>
<tr>
<td>Kings County</td>
<td>17.7</td>
</tr>
<tr>
<td>Lake County</td>
<td>9.6</td>
</tr>
<tr>
<td>Los Angeles County</td>
<td>34.8</td>
</tr>
<tr>
<td>Madera County</td>
<td>21.6</td>
</tr>
<tr>
<td>Marin County</td>
<td>19.2</td>
</tr>
<tr>
<td>Mendocino County</td>
<td>14.9</td>
</tr>
<tr>
<td>Merced County</td>
<td>25.1</td>
</tr>
<tr>
<td>Monterey County</td>
<td>29.6</td>
</tr>
<tr>
<td>Napa County</td>
<td>22.7</td>
</tr>
<tr>
<td>Nevada County</td>
<td>6.6</td>
</tr>
<tr>
<td>Orange County</td>
<td>30.4</td>
</tr>
<tr>
<td>Placer County</td>
<td>10.4</td>
</tr>
<tr>
<td>Riverside County</td>
<td>22.1</td>
</tr>
<tr>
<td>Sacramento County</td>
<td>20.5</td>
</tr>
<tr>
<td>San Bernardino County</td>
<td>21.7</td>
</tr>
<tr>
<td>San Diego County</td>
<td>23.2</td>
</tr>
<tr>
<td>San Francisco County</td>
<td>34.4</td>
</tr>
<tr>
<td>San Joaquin County</td>
<td>23.5</td>
</tr>
<tr>
<td>San Luis Obispo County</td>
<td>11.0</td>
</tr>
<tr>
<td>San Mateo County</td>
<td>35.4</td>
</tr>
<tr>
<td>Santa Barbara County</td>
<td>22.4</td>
</tr>
<tr>
<td>Santa Clara County</td>
<td>38.3</td>
</tr>
<tr>
<td>Santa Cruz County</td>
<td>18.4</td>
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<tr>
<td>Shasta County</td>
<td>3.7</td>
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<tr>
<td>Solano County</td>
<td>20.3</td>
</tr>
<tr>
<td>Sonoma County</td>
<td>16.0</td>
</tr>
<tr>
<td>Stanislaus County</td>
<td>21.2</td>
</tr>
<tr>
<td>Sutter County</td>
<td>21.5</td>
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<tr>
<td>Tulare County</td>
<td>22.1</td>
</tr>
<tr>
<td>Ventura County</td>
<td>22.9</td>
</tr>
<tr>
<td>Yolo County</td>
<td>20.6</td>
</tr>
<tr>
<td>Yuba County</td>
<td>12.9</td>
</tr>
</tbody>
</table>

GCT-Percent of Population who are Foreign Born 2014 ACS 1 year estimates
2005-2009 and 2010-2014

American Community Survey
10 years of Data!
Caveats

- ACS dollar valued variables are inflation adjusted to the last year of each multi-year estimate.
- The following county graphs examples depict two points on a graph.
- To reflect any real change in median household income, median gross rent, median housing value the 2009 estimates should be recalculated to 2014 dollars using CPI-U_RS adjustments published by Bureau of Labor Statistics.
## MEDIAN HOUSING VALUE

<table>
<thead>
<tr>
<th>Region</th>
<th>2005-2009</th>
<th>2010-2014</th>
</tr>
</thead>
<tbody>
<tr>
<td>California</td>
<td>$479,200</td>
<td>$471,200</td>
</tr>
<tr>
<td>El Dorado</td>
<td>$371,400</td>
<td>$356,900</td>
</tr>
<tr>
<td>Placer</td>
<td>$457,100</td>
<td>$413,900</td>
</tr>
<tr>
<td>Sacramento</td>
<td>$345,900</td>
<td>$236,500</td>
</tr>
<tr>
<td>Sutter</td>
<td>$346,900</td>
<td>$279,800</td>
</tr>
<tr>
<td>Yolo</td>
<td>$413,900</td>
<td>$317,700</td>
</tr>
<tr>
<td>Yuba</td>
<td>$236,500</td>
<td>$189,600</td>
</tr>
<tr>
<td></td>
<td></td>
<td>$170,800</td>
</tr>
</tbody>
</table>

**Source:** ACS 5 Year Estimates for 2005-2009 and 2010-2014
Multigenerational Households

Ranking Table- R1102
2014 1 year ACS Estimates

Percent of Households that are Multigenerational

- Hawaii: 7.9%
- California: 5.8%
- Texas: 4.9%
- Mississippi: 4.9%
- Maryland: 4.6%
- New York: 4.3%
- New Jersey: 4.3%
- Delaware: 4.3%
- Utah: 4.2%
- Georgia: 4.2%
- Nevada: 4.0%
- Louisiana: 4.0%
- New Mexico: 3.9%
- Florida: 3.9%
- Arizona: 3.9%
- United States: 3.8%
Owner Occupied Housing Units

Change in Real Median Household Income

Change in Real Median Household Income: 2005-2009 to 2010-2014

Change by county:
- Increase
- No change
- Decrease

All differences are statistically significant at the 90% level.

Source: U.S. Census Bureau, 2005-2009 and 2010-2014 American Community Survey 5-year estimates.
For more information, visit census.gov/acs

United States Census Bureau
U.S. Department of Commerce
Economics and Statistics Administration
U.S. CENSUS BUREAU
census.gov
MEDIAN HOUSEHOLD INCOME

Median Selected Monthly Owner Costs

Map showing median selected monthly owner costs with a mortgage for the years 2010-2014 across the United States. The map uses color coding to represent different cost ranges.

Source: U.S. Census Bureau, 2014 American Community Survey 5-year Estimates.

Selected monthly owner costs are the sum of payments for mortgages, including home equity loans and other junior mortgages; real estate taxes; fire, hazard, and flood insurance; and utilities.
SELECTED MONTHLY OWNER COSTS

Home Ownership Rate
Change in Home Ownership Rate

Change in Home Ownership Rate: 2005-2009 to 2010-2014

Change by county:
- Increase
- No change
- Decrease

All differences are statistically significant at the 90% level.

Source: U.S. Census Bureau, 2009 and 2014 American Community Survey 5-year Estimates. For more information, visit census.gov/acs.

United States Census Bureau
U.S. Department of Commerce
Economics and Statistics Administration
U.S. CENSUS BUREAU
census.gov
Percentage of Population in Poverty 2010-2014
Change in Percentage of Population in Poverty
Poverty Rate

Median Monthly Gross Rent

Median Monthly Gross Rent: 2010-2014

Source: U.S. Census Bureau, 2014 American Community Survey 5-year Estimates
For more information, visit census.gov/acs
Median Gross Rent

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>California</td>
<td>$1,116</td>
<td>$1,243</td>
</tr>
<tr>
<td>El Dorado</td>
<td>$1,062</td>
<td>$1,073</td>
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<td>Placer</td>
<td>$1,155</td>
<td>$1,277</td>
</tr>
<tr>
<td>Sacramento</td>
<td>$964</td>
<td>$1,035</td>
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<tr>
<td>Sutter</td>
<td>$852</td>
<td>$898</td>
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<tr>
<td>Yolo</td>
<td>$1,027</td>
<td>$1,096</td>
</tr>
<tr>
<td>Yuba</td>
<td>$789</td>
<td>$884</td>
</tr>
</tbody>
</table>

Percentage of Population 25 and Over with a Bachelor’s Degree or Higher

Source: U.S. Census Bureau
2014 American Community Survey 5-year Estimates
For more information, visit census.gov/acs
Change in Percentage of Population 25 years and Over with Bachelor’s Degree or Higher

Change in Percentage of Population 25 and Over with a Bachelor's Degree or Higher: 2005-2009 to 2010-2014

Change by county
- Increase
- No change
- Decrease

Source: U.S. Census Bureau, 2009 and 2014 American Community Survey 1-year Estimates

For more information, visit census.gov/acs
Percentage with Bachelor Degree or Higher


- California: 29.7, 31
- El Dorado: 31.1, 32.1
- Placer: 33.5, 35.7
- Sacramento: 27.9, 28.2
- Sutter: 18.5, 18.5
- Yolo: 36.8, 38.3
- Yuba: 12.9, 14.2

Resources for You
http://www.census.gov/mso/www/training/index.html

Educational Resources

- E-Tutorials
- Course Descriptions

Getting Started

- Training Opportunities

The Census Bureau offers both web-based and in-person courses to help you access and use Census Bureau statistics. These free courses can teach you how to use our databases and mapping tools, find local and national demographic information for a variety of uses including grant proposals, economic data statistics for business plans, research papers, etc. Check out our eTutorials and course descriptions.

Interested in training for your company or organization?

Course Schedule

- Mar 03, 2016  OnTheMap for Emergency Management
- Mar 04, 2016  Where to Find Business & Economic Data on census.gov
- Mar 04, 2016  Get to Know the Ferrett: ACS PUMS Data Access and Cross Tabulation Using DataFerrett
- Mar 04, 2016  On the Map: The Road to Employment Dynamics
- Mar 09, 2016  Migration: Where are we moving?
- Mar 09, 2016  Introduction to TIGERweb
- Mar 10, 2016  Voting & Registration Statistics – Hot Report and DataFerrett
- Mar 11, 2016  The American Community Survey (ACS) & Your Community by the Numbers
- Mar 11, 2016  Data Tools
- Mar 14, 2016  MAP TAB LAB
- Mar 15, 2016  Puerto Rico by the Numbers!
- Mar 16, 2016  Data Access – Using the American FactFinder
- Mar 16, 2016  CUTTING UP THE BIG APPLE! Learn the different ways the Census Bureau supplies NYC data.
Services:

Workshops
Lia Bolden
Data Dissemination Partnership,
elaine.lia.bolden@census.gov
206-799.9868

Presentations

Data Inquiries

Webinars
Partnership and Data Services
LARO.PDS.LIST@census.gov
818-267-1725
888-806-6389 (Toll Free)