

Overview of Census Bureau's Population Estimates Program

Media Webinar

January 19, 2012

Webinar access information

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Speakers

Host

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Presentation

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Population Division

Overview

- What estimates do we produce?
- What is the connection between the decennial census count and the population estimates?
- Why do we produce population estimates?
- How do we produce population estimates?
- When are the population estimates released?
- Where can you find the population estimates?

What estimates data do we produce?

- Resident population

- Totals

- National, state, county, sub-county, and Puerto Rico Commonwealth and municipios

- Demographic characteristics

- National, state, and county
 - Age, sex, race, and Hispanic origin
 - Puerto Rico Commonwealth and municipios
 - Age and sex

- Other data

- Components of change

- Births, deaths, and migration (domestic and international)

- Housing units

- Population universes

- Resident plus armed forces overseas, civilian, civilian noninstitutionalized, and household

What is the Connection Between the Population Estimates and the Decennial Census Count?

- The decennial census is an actual count of the population that is conducted every 10 years and has a reference date of April 1.
- The population estimates use administrative data to estimate population change between census years.
- The population estimates use the decennial census count as a starting point.

Why do we produce estimates?

Federal Mandate

The Intercensal Estimates Program is required under U.S.C. Title 13, Section 181:

“During the intervals between each census of population...the Secretary, to the extent feasible, should annually produce and publish for each State, county, and local unit of general purpose government which has a population of fifty thousand or more, current data on total population and population characteristics and, to the extent feasible, shall biennially produce and publish for other local units of general purpose government current data on total population.”

Why do we produce estimates?

Data Uses

- Allocation of federal funds
- Population controls for federal surveys
 - Current Population Survey (CPS)
 - American Community Survey (ACS)
 - Survey of Income and Program Participation (SIPP)
 - American Housing Survey (AHS)

Why do we produce estimates?

Data Uses (cont.)

- Denominators for statistical rates
 - Birth and death rates
 - National Center for Health Statistics
 - Per capita income
 - Bureau of Economic Analysis
- Program Planning
 - Location of public and private services

How do we produce estimates?

National level:

Cohort-component method

$$P_2 = P_1 + B - D + NIM$$

where : P_1 = Population at time 1
 P_2 = Population at time 2
 B = Births
 D = Deaths
 NIM = Net international migration

State and county level:

Component of change method

$$P_2 = P_1 + B - D + NIM + DM \text{ (domestic migration)}$$

(controlled to the national estimates)

Subcounty level:

Distributive housing unit method

County population distributed to subcounty parts based on updated estimates of housing units

When are estimates data available?

- Schedule for the July 2011 Estimates:

Release Date	Product
December 21, 2011	National and state totals (including Puerto Rico)
January 5, 2012	State population age 18 and over
April 5, 2012	County and Puerto Rico municipio totals, metropolitan and micropolitan statistical area totals
May 17, 2012	National, state, and county demographic detail
June 14, 2012	National, state, county housing units
June 28, 2012	City, town, and other subcounty area totals

Voting-Age Population

The Census Bureau has released estimates of the number of people 18 and older in each state. These are the first estimates since 2010 Census tabulations were released.

[See More](#)

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U.S. Census Bureau Economic Indicators

Manufacturers' Goods	\$459.2 B	
November 2011 Report	New Orders	1.8%
<i>Released 10:00 AM EST, 1/4/12</i>		
Construction Spending	\$807.1 B	
November 2011 Report		1.2%
<i>Released 10:00 AM EST, 1/3/12</i>		
New Residential Sales	315,000	
November 2011 Report	Single-family houses	1.6%
<i>Released 10:00 AM EST, 12/23/11</i>		
Advance Report Durable Goods	\$207.0 B	
November 2011 Report	Mfd. durable goods	3.8%
<i>Released 8:30 AM EST, 12/23/11</i>		

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* change statistically significant

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Upcoming Releases

County, Puerto Rico municipio, and metropolitan and micropolitan statistical area population estimates will be released in April 2012.

Population and Housing Unit Estimates

The Census Bureau's Population Estimates Program (PEP) produces estimates of the population for the United States, its states, counties, cities, and towns, as well as for the Commonwealth of Puerto Rico and its municipios. Demographic components of population change (births, deaths, and migration) are produced at the national, state, and county levels of geography. Additionally, housing unit estimates are produced for the nation, states, and counties.

These estimates are used in federal funding allocations, as survey controls, as denominators for vital rates and per capita time series, and as indicators of recent demographic changes. With each new release of annual estimates, the entire time series of estimates is revised for all years back to the last census. All previously published estimates are superseded and archived. See the [Schedule of Releases](#) for more information.

Latest Releases

The latest estimates of total population for the United States, States, and Puerto Rico Commonwealth - for July 1, 2011 - were released December, 2011 and January, 2012.

- [2011 National Total Population Estimates](#)
- [2011 State Total Population Estimates](#)
- [2011 Puerto Rico Commonwealth Total Population Estimates](#)
- [2011 State and Puerto Rico Voting-Age Population Estimates](#)

Related Sites

- [Federal-State Cooperative Program for Population Estimates \(FSCPE\)](#)
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Contact Us

For assistance, please contact the Census Call Center at 1-800-923-8282 (toll free) or visit [ask.census.gov](#) for further information.

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Current Estimates Data

The population and housing unit estimates are released on a flow basis throughout each year. Each new series of data (called vintages) incorporates the latest administrative record data, geographic boundaries, and methodology. Therefore, the entire time series of estimates beginning with the most recent decennial census is revised annually, and estimates from different vintages of data may not be consistent across geography and characteristics detail. When multiple vintages of data are available, the most recent vintage is the preferred data.

The vintage year (e.g., V2011) refers to the final year of the time series. The reference date for all estimates is July 1, unless otherwise specified.

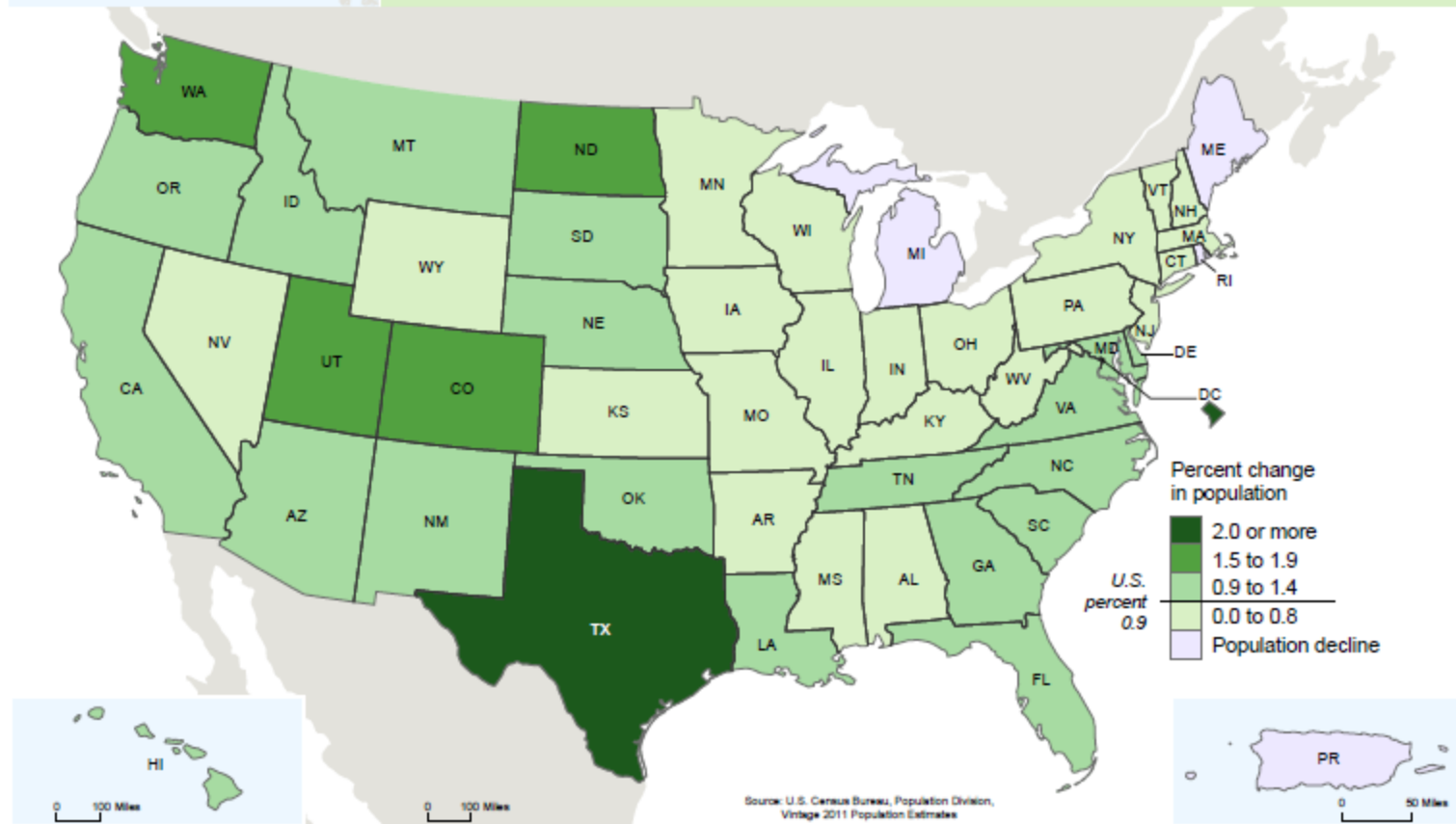
All downloadable datasets by level of geography are available [here](#).

Historical datasets are available [here](#).

Level of Geography	Level of Detail	Most Current Data	Vintage in Progress	2000-2010 Intercensal Estimates	Latest Available Complete Vintage
Nation	Total population	V2011	V2011	Intercensal Estimates	V2009
	Population by age, sex, race, and Hispanic origin	2000-2010 Intercensal Estimates	—	Intercensal Estimates	V2009
States	Total population	V2011	V2011	Intercensal Estimates	V2009
	Population by age, sex, race, and Hispanic origin	V2011	V2011	Intercensal Estimates	V2009
Counties	Total population	2000-2010 Intercensal Estimates	—	Intercensal Estimates	V2009
	Population by age, sex, race, and Hispanic origin	2000-2010 Intercensal Estimates	—	Intercensal Estimates	V2009
Cities and Towns	Total population	V2009	—	n/a	V2009
Metropolitan and Micropolitan Statistical Areas	Total population	V2009	—	n/a	V2009
Puerto Rico Commonwealth	Total population	V2011	V2011	Intercensal Estimates	V2009
	Population by age and sex	V2011	V2011	Intercensal Estimates	V2009
Puerto Rico Municipios	Total population	2000-2010 Intercensal Estimates	—	Intercensal Estimates	V2009
	Population by age and sex	2000-2010 Intercensal Estimates	—	Intercensal Estimates	V2009
Housing Units	Total	V2009	—	n/a	V2009



Percent Change in Population for States and Puerto Rico: April 1, 2010 to July 1, 2011



Questions?

Releases

- 2010 Census Summary File 2 – Ongoing release of state files (Dec. 2011- April 2012)
- 2010 Census Brief: The American Indian and Alaska Native Population: 2010 (Jan. 25)
- Annual Survey of Public Employee Retirement Systems: 2010 (Jan. 26)
- 2010 Service Annual Survey (Jan. 31)
- Super Bowl XLVI (Feb. 5)
- Educational Attainment Data Products (late Feb.)

For Further Information

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Public Information Office

301-763-3030

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Customer Services Center

1-800-923-8282 or

(301) 763-INFO (4636)