Random Samplings We have a be official blog of the U.S. Census Data Immersion From A Novice to A Skilled Data Miner

U.S. Census Bureau census.gov

	We have a New & Improved Homepage	U.S. CENSUS BURASU ECONOMIC Indicators						
	QuickFacts	Set During Style Room Resident Aurola & Streamy Resident Aurola & Streamy Room Room Resident Room Resident Room	2.7¢ ************************************					
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Infopeople Webinar August 7, 2012



Content

- Homepage
 - Shortcuts to data
- American FactFinder: data access tool
 - Demographic programs: what you need to know
 - o 2010 Census
 - Population Estimates
 - American Community Survey (ACS)
- Support
 - Census website
 - External resources





Homepage: census.gov



Simple Data Searches Linked from Homepage



1. Quick Facts

State & County QuickFacts Select a State USA QuickFacts William Idaho counties- selection map Idaho cities- pla Select a county Go Select a city	hat's New FAQ ace search ► More Idaho data sets + Share thi Go	Easy access 2010 Cer Demographic and to the ACS Data P	s to the nsus c Profile four Profiles
Boise City (city), Idaho		Wast mare? Provine data an	to for Roise City (sity)
People QuickEacts	Must meet nonulation	Boise City	Idabo
Population 2011 estimate	must meet population	NA	1 584 985
Population, 2010	threshold of 5,000	205,671	1,567,582
Population, percent change, 2000 to 2010	na sidente fon inclúsion in	10.7%	21.1%
Population, 2000	residents for inclusion in	185,787	1,293,953
Persons under 5 years, percent, 2010	QuickEacts	6.4%	7.8%
Persons under 18 years, percent, 2010	Quicki doto	22.7%	27.4%
Persons 65 years and over, percent, 2010		11.2%	12.4%
Female persons, percent, 2010		50.6%	49.9%
White persons, percent, 2010 (a)		89.0%	89.1%
🕖 Black persons, percent, 2010 (a)		1.5%	0.6%
American Indian and Alaska Native persons, p	ercent, 2010 (a)	0.7%	1.4%
🕖 Asian persons, percent, 2010 (a)		3.2%	1.2%
Native Hawaiian and Other Pacific Islander, pe	rcent, 2010 (a)	0.2%	0.1%
Persons reporting two or more races, percent,	2010	3.0%	2.5%
Persons of Hispanic or Latino origin, percent, 2	2010 (b)	7.1%	11.2%
White persons not Hispanic, percent, 2010		85.2%	84.0%
Living in same house 1 year & over, 2006-2010)	77.2%	81.1%
🕖 Foreign born persons, percent, 2006-2010		6.9%	5.9%



New 2. Interactive Map

This map includes data from the County Business Patterns program and the 2010 Census. County Business Patterns data for 2009 were released in June, 2011.

9 : Maricopa County, AZ

10 : Santa Clara County, CA

MEASURING AMERICA COUNTY BUSINESS and DEMOGRAPHICS MAP

Icons display 10 top-ranked U.S. counties or TOP 10 COUNTIES WITH THE MOST DAY CARE CENTERS states in various : Los Angeles County, CA 1,820 types of 2 : Cook County, IL **business** 3 : King County, WA 4 : Harris County, TX 806 5 : Kings County, NY 6 : Milwaukee County, WI : San Diego County, CA 2 8 : Miami-Dade County, FL

(EXPLORE THE MAP

Click arrow

Internet

ි 🔍 100%

Explore Census

data through a

mashup of

population and

economic data

United States





This map includes data from the County Business Patterns program and the 2010 Census. County Business Patterns data for 2009 were released in June, 2011.





Displays information from the 2010 Census Demographic Profile (100% count) **3. Population Finder**





Refining Your Search

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Acequia city Albion city American Falle city	?s=16			🗾 🐓 🗙 Live Sea	
Ammon city Arbon Valley CDP Arco city Arimo city Ashton city				∆ • ⊠	
Athol city Atomic City city Bancroft city Banks CDP Basalt city Bellevue city	2010 Demographic Profil	e nect with us			
Bennington CDP Blackfoot city Blanchard CDP Bliss city Bloomington city Boise City city	ID - Idaho	M alp	ake selection from phabetical listing praphies for the st	n of tate	
Bonners Ferry city Bovill city	Population	3	Population by Sex/Age		
Buhl city	Total Population	1,587,582	Male	785,324	
Burley city Butte City city	Housing Status		Female Under 18	782,258 429,072	
Caldwell city	Total	867,798	18 & over	1,138,510	
Cambridge city	Occupied	579,408	20 - 24	108,209	
Carey city	Owner-occupied	404,903	20-34	208,965	
Cascade city	Population in owner-occupied	1,092,292	50-95 50-84	280,109	
Action	(number of individuals) Register-pocyclied	174 505	65 & over	194 668	
ecords returned. "Places"	Population in renter-occupied	446,339	A DAMAGE CON	N 63	
selection updated.	(number of individuals)	208 827	Population by Eth	inicity	
	Vacant	88.388	Hispanic or Latino	175,901	
	Vacant: for rent	16,360	Non Hispanic or Latino	1,391,681	
	Vacant: for sale	12,814	Population by R	ace	
Mara Data Taala			White	1,396,487	
More Data 100is			African American	9,810	





Measuring America

2010 Demographic Profile 🚔 Print | 🖪 Share this page | 🚹 Connect with us

ID - Boise City city

Population	
Total Population	205,671
Housing Status	1
Total	92.700
Occupied	85,704
Owner-occupied	52,345
Population in owner-bocupied (number of Ingviduals.)	129,258
Renter-occupied	33,359
Population in renter-occupied	72,698
Households with individuals under 18	25,389
Vacant	5,996
Vacant: for rent	3,154
Vacant: for sale	1,684

ID - Idaho

Displays selected city (or other selected geography) on top of page and retains the selected state at the bottom

Population	by Sex/Age
Male	101,890
Female	103,981
Under 18	46,754
18 & over	158,917
20 - 24	16,968
25 - 34	32,135
35 - 48	41,657
50 - 64	39,183
65 & over	22,953
Population	by Ethnicity
Hispanio or Latino	14 808

Non Hispanic or Latino	191,085
Hispanic or Latino	14,606

Population by Race					
White	182,991				
African American	3,043				
Asian	6,501				
American Indian and Alaska Native	1,404				
Native Hawaiian and Pacific Islander	457				
Other	5,139				
Identified by two or more	6,136				



🕖 U.S. Census Bureau



Business & Industry

Commodity Flow Survey

Building Permits

Governments

Annual Survey of Manufactures

Foreign Trade: State Exports

¹ All other business and industry data are published only at the national level



Poverty



American FactFinder Three Simple Things You Need to Know Before Embarking on Your Search

- 1. What is Census geography?
- 2. What's the difference between race and ethnicity?
- 3. Which demographic program should I use?







2010 Census Race Question

9.	• What is Person 1's race? Mark X one or more boxes.																		
	White																		
	Black, African Am., or Negro																		
	🔲 American Indian or Alaska Native — Print name of enrolled or principal tribe. 🏹										9. 🖌								
		Asia	ın Ir	ndia	an	Ι		Japa	ane	se		Na	tive	На	waii	an			
		Chir	nese	Э		I		Kore	ean			Gu	ama	ania	n o	r Cł	nam	orro)
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	□ Some other race — Print race. <i>▼</i>																		



2010 Census Questionnaire Topics

- (Name)
- Sex
- Age
- Date of birth
- Ethnicity

- Race
- Relationship of people within household
- Rent / own house (tenure)
- (Coverage questions)



2010 Census Data Release Schedule



Includes Congressional Districts of the 111th Congress



National.

Minor Civil Divisions2

Population Estimates Intercensal Year Releases

- Population counts
 - Nation - age, sex, race, and Hispanic origin
 - States - age, sex, race, and Hispanic origin
 - Counties - age, sex, race, and Hispanic origin
 - Incorporated places - total population only
- Housing unit counts
 - States
 - Counties



Population Estimates Release Schedule





Census.gov > People and Households > Populations Estimates Main > Schedule of New Estimates

Main About Estimates Data Methodology Research Related Sites Contact Us

Schedule of New Estimates

The annual population and housing unit estimates are released on a flow basis throughout the year, beginning with the national and state total estimates release in December and ending with the state and cou housing unit estimate release during the following summer.

Population Detail	Latest Data Available	Date of Next Release (7/1/2011 data)
National and State population and demographic components of population change	7/01/2011	12/2012 (7/01/2012 data)
Puerto Rico Commonwealth population estimates	7/01/2011	12/2012 (7/01/2012 data)
State and Puerto Rico Commonwealth population 18 and over	7/01/2011	1/2013 (7/01/2012 data)
County population and demographic components of population change	7/01/2009	4/2012
Puerto Rico municipio population	7/01/2009	4/2012
Metropolitan and micropolitan statistical area population and demographic components of population change	7/01/2009	4/2012
National population by age, sex, race, and Hispanic origin	7/01/2009	5/2012
State population by age, sex, race, and Hispanic origin	7/01/2009	5/2012
Puerto Rico Commonwealth population by age and sex	7/01/2009	5/2012
County population by age, sex, race, and Hispanic origin	7/01/2009	5/2012
Puerto Rico municipio population by age and sex	7/01/2009	5/2012
National, State, and County housing units	7/01/2009	6/2012
Incorporated place and minor civil division population	7/01/2009	6/2012
Source: U.S. Census Bureau, Population Division Questions? / 1-866-758-1060		



American Community Survey (ACS) Content

- Four types of characteristics
 - Social
 - Economic
 - Housing
 - Demographic
- Characteristics, <u>not</u> population counts



Topics Covered by the ACS

01 = Age and Sex	15 = Educational Attainment
02 = Race	16 = Language Spoken at Home and Ability to Speak English
03 = Hispanic or Latino Origin	17 = Poverty
04 = Ancestry	18 = Disability
05 = Foreign Born, Citizenship; Year of Entry; Nativity	19 = Income (Households and Families)
06 = Place of Birth	20 = Earnings and Income (Individuals)
07 = Residence 1 Year Ago; Migration	21 = Veteran Status
08 = Journey to Work; Workers; Commuting	22 = Food Stamps
09 = Children; Household Relationship	23 = Employment Status; Work Experience; Labor Force
10 = Grandparents; Grandchildren	24 = Industry & Occupation; Class of Worker
11 = Household Type; Family Type; Subfamilies	25 = Housing
12 = Marital Status and History	26 = Group Quarters
13 = Fertility	27 = Health Insurance
14 = School Enrollment	99 = Imputation table for any topic

Proposed Content Updates for 2013

- Computer and internet usage
- Food stamps (Supplemental Nutritional Assistance Program SNAP)
- Parental place of birth
- Veteran's status
- Wages, salary, and property income



Later this year Available now

Data	Population	Year of Data Release 🗸 🗸											
Product	Threshold of	2006	2007	2008	2009	2010	2011	2012	2013				
(release month)	Area	Year(s) of Data Collection											
1-Year Estimates (September)	65,000 +	2005	2006	2007	2008	2009	2010	2011	2012				
3-Year Estimates (October)	20,000 +			2005 - 2007	2006 - 2008	2007 - 2009	2008 - 2010	2009 - 2011	2010 - 2012				
5-Year Estimates (December)	All Areas*					2005 - 2009	2006 - 2010	2007 - 2011	2008 - 2012				

* All Areas = All legal, administrative, and statistical geographic areas down to the block group level.

* Zip Code Tabulation Area (ZCTA) estimates will first be available in 2012, with the 2007-2011 estimates.



Support



ACS Compass Products



Intended Audiences ACS Compass Handbooks

- General Data Users
- Businesses
- High School Teachers
- Congress
- Federal Agencies
- Media
- PUMS Users
- Researchers



- Rural Areas
- State and Local Governments
- American Indian and Alaska Native Populations
- Puerto Rico Community Survey



ACS Training Presentations with Speaker Notes

Training Presentations

An Overview of the American Community Survey [PPT 5.0MB]

E-Tutorial

Basics of the American Community Survey program and website, with information on content, survey methodology, and data products. How the ACS supplements the 10-year census with continuous social, economic, housing, and demographic data.

Data Products from the American Community Survey [PPT 2.4MB]

Speaker Notes [PDF 53KB]

Speaker Notes [PDF 52KB]

Examples and suggestions for using 4 types of data profiles, 4 types of tables, thematic maps, and Public Use Microdata Sample (PUMS) Files. How period estimates and sampling error measures could affect your results.

Things that May Affect the Estimates from the American Community Survey [PPT 215KB]

Speaker Notes [PDF 60KB]

Because the American Community Survey is a sample survey, sampling error is inevitable. How 4 different measures of sampling error are calculated, what they mean, and how you can use them to draw appropriate conclusions. Plus a brief look at non-sampling error and population controls.

Understanding Multiyear Estimates from the American Community Survey [PPT 592KB]

Speaker Notes [PDF 49KB]

Explains 1-year, 3-year, and 5-year period estimates and when to use each one. Introduction to interpreting the data and making comparisons using multiyear estimates.

Geographic Areas and Concepts for the American Community Survey [PPT 2.3MB]

Speaker Notes [PDF 45KB]

Get the most out of ACS data by knowing how geographic areas are defined in different ways and different estimates. The difference between legal and administrative areas is important.

Introduction to the Public Use Microdata Sample (PUMS) File from the American Community Survey [PPT 612KB] Speaker Notes [PDF 44KB] Reasons to access PUMS data for small or unique population groups and housing characteristics.



ACS Questionnaires



Comparing ACS Estimates



Comparing ACS Estimates

	vlars/www.louidance.for.data_users/comparing_data/		-	• X Live Search
	nats/www.galaance_or_data_asets/companing_aata/			I w laws source
CB Comparing ACS Data				🏠 • 🗟 - 🖨 •
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Census	People Business Geography Data Rese	arch News	room	Q Search
u are here: <u>Census.gov</u>) <u>American Com</u>	unity Survey - Guidance for Data Users: Comparing ACS Data			
Main About the Survey	Guidance for Data Users V Data & Documentation V Methodology V	Library T		
Guidance Main	Comparing ACS Data			
Geography and the ACS	🖶 Print 🚼 Share this page 🛃 Connect with us	_		
When to Use 1-year, 3-year, or 5-year Estimates	The strength of the American Community Survey is in estimating characteristic distributions. medians, and rates rather than estimates of population totals.	We recommend	users compare derived m	easures such as perco
Comparing ACS Data				
ACS/Census Table Comparisons	American Community Survey 1-Year estimates with other data ?		• Table-specific G	uidance
2010		>	O Topic-specific Gu	uidance (by year)
2009	* ACS 1-year estimates with Census 2000	O Comparison Quic	k Guide (2009)	
2008	* ACS 1-year estimates from different years.			
2007	▲ Use Caution: Because ACS variables change over time, some areas and			
2006	subjects must be compared with caution, or not compared at all.			
Handbooks for Data Users	Use the left navigation to get yearly guidance on specific topics/subjects		32	
Testatue Descentations				

Comparing ACS Estimates: Three Possible Outcomes

Comparing 2010 American Community Survey Data

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The 2009 ACS and 2010 ACS 1-year estimates use a different Census base year for the population estimates used in the ACS weighting. As a result, users should use caution when making comparisons across years. Specifically, estimates of the number of people in a given location (population size) are not strictly comparable between these two years. In general, the change to more current population estimates is not expected to have a meaningful impact in the percent distributions, rates, or ratios for non-demographic characteristics for many of the largest geographic areas. The Census Bureau is currently researching the effect on these distributions. For more details, visit the ACS Research Note <u>Change in Population Controls</u>.

Guidance on comparing 2005-2007 ACS 3-year estimates to 2008-2010 ACS 3-year estimates

Subject Area ^{1*}	2010 ACS 1-Year, 2008-2010 ACS 3-Year, and 2006-2010 ACS 5- Year with Census 2000	2010 ACS 1-Year with 2009 ACS 1-Year	2010 ACS 1-Year, 2008-2010 ACS 3-Year, and 2006-2010 ACS 5-Year with 2010 Census		
+ Age and Sex (01)					
+ Race (02)					
+ Hispanic Origin (03)					

+ Industry & Occupation; Class of Worker (24)

- Housing (25)

Торіс	2010 ACS with Census 2000	2010 ACS 1-Year with 2009 ACS 1- Year	2010 ACS with Census 2010
Bedrooms	Compare with Caution (<i>Details</i>)	Compare with Caution (<i>Details</i>)	The question was not asked in the 2010 Census
Contract and Gross Rent	Do Not Compare (<i>Details</i>)	Compare with Caution (Details)	The question was not asked in the 2010 Census
Cost of Utilities	Compare 3	Compare with Caution (Details)	The question was not asked in 纷e 2010 Census

Aggregating ACS Estimates How to Calculate the New MOE

Geography	Estimate	Margin of Error
Tract 1	5,264	+/- 1,624
Tract 2	6,508	+/- 1,395
Tract 3	4,364	+/- 1,026
Tract 4	6,865	+/- 1,909
TOTAL	23,001	+/- 5,954

Apply the formula:

$$MOE_{agg} = \pm \sqrt{\sum_{c} MOE_{c}^{2}}$$

New Estimate = 23,001 Equa New MOE = +/- 3,046 Less

Equal to the sum of the estimates Less than the sum of the MOEs

The estimates in this example are fictitious. Note the ACS easy calculator next slide.



Oklahoma Department of Commerce ACS Calculator (the easy way!)



American Community Survey Calculators

Last updated: December 6, 2010

For further information, please contact: Oklahoma Department of Commerce Steve Barker E-mail: steven_barker@okcommerce.gov Phone: 1-405-815-5182 or 1-800-879-6552 www.okcommerce.gov
 Quick Links

 ACS Made Easy

 Change Confidence Interval to 95% or 99% - Values

 Change Confidence Interval to 95% or 99% - Percentages

 Add ACS estimates together - Values

 Add ACS estimates together - Percentages

 Calculate a ratio

 Change a value to a percentage

 Change a percentage to a value

 Calculate percent change or percent difference

 Full text of Census advice used to develop these calculators

 Additional Information

Contact Info 🖉 ACS made easy 🏑 Confidence Interval - Value 🧹 Confidence Interval - Percent 🛒 Adding Data - Valu

www.okcommerce.gov/data-and-research/demographics-and-population-data/



U.S. Census Bureau

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Cartographic Products Geography

Census Bureau Map Products

Welcome to the Census Bureau Map Products page. Census Bureau maps are organized into two categories: <u>Reference Maps</u> and <u>Thematic Maps</u>. Select the description link located beneath each map title to access more information about each map. To view or download maps, select a vintage. Note: The maps listed on this Web page are designed to be viewed with ADOBE Reader versions 4 and 5. If you do not have ADOBE Reader, you can download it for free from <u>ADOBE</u>

Airport Blvd

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NEW PLOOD

- · How to Find the Maps you Need
- How to Print Large Format PDF Map Files [PDF]
- <u>Viewing Tips for PDF Map Files</u> Contains plotter specification information
- <u>Viewing the thumbnail images</u> for the 1990 Census Tract PDF Map files.

REFERENCE MAPS (description)

2010 Census Reference

- <u>Census Tract Reference Maps</u>
- P.L.94-171 County Block Maps
- P.L.94-171 VTD/SLD Reference Maps
- School District Reference Maps
- 2010 Census Local Census Offices with Ty

2010 Reference MapsCensus Tracts

County / Blocks

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Home page > Geography > Maps and Mapping Resources > Map Products (this page) > (select type of map) > (select state) > (select county) > open 000.pdf (index map) and zoom in to determine map sheet (or inset) > back out > select map sheet (or inset)

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