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Sample Size - Data

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Hawaii

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Initial Addresses and Sample Selected and Final Interviews

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Year	Housing Units		Group Quarters People		
	Initial Addresses Selected	Final Interviews	Initial Sample Selected	Final Actual Interviews	Final Synthetic Interviews ¹
2011	14,611	8,980	1,242	642	746
2010	12,177	7,537	1,019	497	N/A
2009	11,822	7,417	983	477	N/A
2008	11,721	7,303	918	590	N/A
2007	11,924	7,473	807	457	N/A
2006	12,054	7,629	833	598	N/A
2005	12,295	7,627	N/A	N/A	N/A
2004	6,560	4,304	N/A	N/A	N/A
2003	6,466	4,230	N/A	N/A	N/A
2002	5,808	3,968	N/A	N/A	N/A
2001	6,556	4,489	N/A	N/A	N/A
2000	6,587	4,119	N/A	N/A	N/A

¹ Synthetic interviews were part of an effort to improve American Community Survey estimates of the group quarters population for substate areas. Synthetic interviews were created by imputing the characteristics of interviewed group quarters persons into group quarters facilities that were not in sample that year or period. Final actual interviews are the interviews obtained from sampled group quarters residents. For more information, read the [ACS Group Quarters Small Area Estimation](#) user note.

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Response Rates - Data

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Response Rates and Reasons for Noninterviews (in percent) — Housing Units [Download Response Rates](#)

Year	Housing Unit Response Rate	Reasons for Noninterviews						
		Refusal	Unable to Locate	No One Home	Temporarily Absent	Language Problem	Insufficient Data	Other
2011	97.6	1.1	0.0	0.6	0.1	0.0	0.2	0.4
2010	97.5	1.1	0.0	0.6	0.1	0.0	0.2	0.4
2009	98.0	0.8	0.0	0.6	0.1	0.0	0.2	0.3
2008	97.9	0.8	0.0	0.6	0.1	0.0	0.2	0.3
2007	97.7	0.9	0.2	0.5	0.1	0.0	0.4	0.2
2006	97.5	1.0	0.3	0.5	0.1	0.0	0.4	0.3
2005	97.3	1.0	0.4	0.5	0.1	0.0	0.3	0.3
2004	93.1	1.0	0.3	0.5	0.1	0.0	0.4	4.7
2003	96.7	1.7	0.3	0.6	0.1	0.0	0.3	0.2
2002	97.7	1.0	0.0	0.5	0.1	0.0	0.4	0.2
2001	96.7	1.3	0.0	0.7	0.1	0.0	0.7	0.4
2000	95.1	1.7	0.0	1.1	0.2	0.1	1.0	0.8

Response Rates and Reasons for Noninterviews (in percent) — Group Quarters

Year	Group Quarters (Person) Response Rate	Reasons for Noninterviews							
		GQ Person Refusal	Unable to Locate GQ Person	Resident Temporarily Absent	Language Problem	Insufficient Data	GQ Person Other	Whole GQ Refusal	Whole GQ Other
2011	96.9	0.8	0.2	0.1	0.0	0.1	0.7	0.4	0.8
2010	97.6	0.9	0.2	0.1	0.0	0.2	0.4	0.1	0.5
2009	98.0	0.9	0.1	0.1	0.0	0.1	0.4	0.1	0.3
2008	98.0	0.5	0.1	0.1	0.0	0.1	1.0	0.2	0.0
2007	97.8	0.4	0.2	0.1	0.0	0.0	1.2	0.3	0.0
2006	97.4	0.8	0.2	0.1	0.0	0.1	0.6	0.5	0.2

Note: As a result of a reduction in funding in 2004, ACS dropped the telephone and personal visit followup operations for the January 2004 panel, thus only allowing mail respondents to contribute to the overall response for that panel. Dropping the nonresponse followup operations for that single panel month reduced the annual response rate by about four percentage points. If we exclude the January panel from the calculation, the annual response rate rises to 97.3%. The Census Bureau revised the methodology for calculation of the response rate in 2004 and although a similar cost reduction measure was taken in 2002 the response rates provided for 2002 do not reflect this new method.

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United States

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Coverage Rates (in percent)

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Year	Housing Units	Group Quarters Population	Total Population ¹		
	Total	Total	Total	Male	Female
2011	98.6	99.8	93.6	92.9	94.4
2010	99.1	81.0	94.6	94.0	95.3
2009	98.9	79.1	94.2	93.0	95.3
2008	98.7	80.8	93.8	92.6	95.0
2007	98.5	79.6	94.2	93.2	95.2
2006	98.7	76.2	94.4	93.4	95.3
2005	98.5	N/A	95.1	93.9	96.2
2004	97.9	N/A	94.4	93.2	95.6
2003	97.9	N/A	94.1	92.9	95.2
2002	97.2	N/A	93.5	92.3	94.6
2001	97.6	N/A	94.1	93.2	94.9
2000	99.6	N/A	96.8	96.1	97.6

Coverage Rates for Total Population by Race (in percent)

Year	White Non-Hispanic	Black Non-Hispanic	American Indian and Alaska Native Non-Hispanic	Asian Non-Hispanic	Native Hawaiian and Other Pacific Islander Non-Hispanic	Hispanic
Year	Total	Total	Total	Total	Total	Total
2011	95.4	89.6	99.0	93.2	90.9	90.0
2010	95.9	90.8	97.9	94.3	88.7	92.5
2009	94.9	90.3	97.9	96.7	93.9	93.2
2008	94.7	89.7	96.2	96.9	85.8	92.5
2007	95.4	89.1	96.8	95.6	96.1	92.8
2006	95.6	89.6	98.0	93.4	93.0	92.9
2005	96.3	90.7	97.9	94.5	84.0	93.6
2004	96.2	89.3	100.9	92.4	89.7	90.7
2003	95.7	89.2	97.9	92.0	86.2	91.3
2002	94.9	89.0	102.7	92.7	90.0	89.7
2001	95.2	90.1	102.6	92.8	89.7	91.8
2000	97.1	93.5	121.6	96.7	100.2	96.4

¹ The 2000-2005 population coverage rates exclude the group quarters population since that population was not added to the ACS until 2006.

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Item Allocation Rates 2007 through 2011 for United States

Overall	Percent Allocated				
	2011	2010	2009	2008	2007
Item					
Overall housing allocation rate occupied and vacant housing units	5.2	5.2	4.5	4.8	5.0
Overall person allocation rate total population	5.8	5.8	4.9	6.2	4.4

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Housing: Physical Characteristics	Percent Allocated				
	2011	2010	2009	2008	2007
Item					
Vacancy status vacant housing units	2.9	2.9	2.5	2.5	2.2
Tenure occupied housing units	1.0	1.2	0.7	0.8	0.6
Units in structure occupied and vacant housing units	1.4	1.5	1.2	1.3	1.2
Year moved in occupied housing units	3.2	3.4	2.4	1.9	2.8
Month moved in occupied housing units into which households move in the last two years	0.7	0.7	0.6	0.8	0.8
Year built occupied and vacant housing units	16.7	16.2	15.4	15.7	15.7
Lot size occupied and vacant single family and mobile homes	4.1	4.2	3.8	4.6	3.0
Agricultural sales occupied and vacant single family and mobile homes with lot size greater than or equal to 1 acre	4.3	4.4	3.8	4.5	3.2
Business on property occupied and vacant single family and mobile homes	2.9	3.0	2.7	3.3	2.1
Number of rooms occupied and vacant housing units	5.2	5.2	4.4	4.7	6.6
Number of bedrooms occupied and vacant housing units	4.3	4.3	3.7	0.9	3.3
Complete plumbing occupied and vacant housing units	**	**	**	**	1.4
Complete kitchen occupied and vacant housing units	**	**	**	**	1.6

Running water occupied and vacant housing units	1.9	2.0	1.6	1.7	**
Flush toilet occupied and vacant housing units	1.9	2.0	1.6	1.7	**
Bathtub or shower occupied and vacant housing units	2.0	2.0	1.6	1.8	**
Sink with a faucet occupied and vacant housing units	1.9	2.0	1.6	1.8	**
Stove or range occupied and vacant housing units	2.5	2.5	2.1	2.2	**
Refrigerator occupied and vacant housing units	2.7	2.7	2.3	3.2	**
Telephone occupied housing units	1.0	1.1	0.8	1.7	0.5
Number of vehicles occupied housing units	1.2	1.3	0.9	0.9	0.8
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Housing: Utilities	Percent Allocated				
Item	2011	2010	2009	2008	2007
Heating fuel occupied housing units	3.2	3.3	2.8	3.2	1.8
Monthly electricity cost occupied housing units	7.1	7.3	6.1	6.7	6.2
Monthly gas cost occupied housing units	9.8	9.8	8.8	10.3	8.6
Yearly water and sewer cost occupied housing units	8.0	8.1	6.9	7.9	6.8
Yearly other fuel cost occupied housing units	10.4	10.6	9.9	11.8	8.3
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Housing: Special Programs	Percent Allocated				
Item	2011	2010	2009	2008	2007
Yearly food stamp reciprocity - household occupied housing units	1.2	1.3	0.9	1.0	2.0
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Housing: Mortgage Items	Percent Allocated				
Item	2011	2010	2009	2008	2007
Yearly real estate taxes owner-occupied housing units	16.4	16.3	14.4	15.9	18.1
Yearly property insurance owner-occupied housing units	23.7	23.2	20.8	22.1	22.8
Mortgage status owner-occupied housing units	1.9	2.1	1.4	1.7	1.1
Monthly mortgage payment owner-occupied housing units with a mortgage	10.5	10.7	8.5	8.9	7.8
Mortgage payment incl. real estate taxes owner-occupied housing units with a mortgage	(X)	(X)	(X)	(X)	(X)
Mortgage payment incl. insurance owner-occupied housing units with a mortgage	(X)	(X)	(X)	(X)	(X)
Second mortgage owner-occupied housing units	3.1	3.4	2.3	2.7	2.2
Home equity loan owner-occupied housing units	3.9	4.2	3.0	3.5	3.0
Other monthly mortgage payment(s) owner-occupied housing units with second mortgage or home equity loan	18.3	17.9	15.2	16.1	16.1
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Housing: Other Financial Characteristics	Percent Allocated				
Item	2011	2010	2009	2008	2007

Item	2011	2010	2009	2008	2007
Property value owner-occupied housing units and vacant housing units for sale	12.3	12.3	10.2	11.6	8.8
Mobile Home Loan occupied mobile homes and other units	**	**	**	**	**
Yearly mobile home costs occupied mobile homes and other units	19.5	19.9	18.4	21.3	19.3
Monthly condominium fee owner-occupied housing units	0.7	0.7	0.7	0.7	0.7
Monthly rent occupied housing units rented for cash rent and vacant housing units for rent	9.3	9.3	8.0	8.5	8.1
Meals included in rent occupied housing units rented for cash rent and vacant housing units for rent	1.9	2.0	1.6	1.8	1.5

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Population: Basic Demographics 1	Percent Allocated				
Item	2011	2010	2009	2008	2007
Race total population	1.5	1.5	1.4	1.7	1.6
Hispanic origin total population	1.8	1.8	1.6	2.4	1.5
Sex total population	0.1	0.1	0.1	0.2	0.3
Age total population	1.3	1.3	1.2	1.3	0.8
Relationship total household population	1.1	1.2	1.0	1.1	0.9
Marital status total population 15 years and over	3.0	3.0	2.4	2.9	1.3
Married past 12 months total population 15 years and over, except those never married	4.6	4.7	3.9	5.9	**
Widowed past 12 months total population 15 years and over, except those never married	4.5	4.5	3.7	5.8	**
Divorced past 12 months total population 15 years and over, except those never married	4.5	4.5	3.7	5.8	**
Times married total population 15 years and over, except those never married	4.9	5.1	4.0	6.0	**
Year last married total population 15 years and over, except those never married	11.4	11.4	9.9	12.0	**

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Population: Origin and Language 1	Percent Allocated				
Item	2011	2010	2009	2008	2007
Place of birth total population	6.2	6.5	5.7	7.0	5.5
Citizenship total population	2.7	2.7	2.0	2.5	1.8
Year of naturalization total population naturalized citizens	17.0	16.6	14.7	18.2	**
Year of entry total population not born in US	10.4	10.3	9.1	10.4	8.5
Speaks another language at home total population 5 years and over	3.3	3.4	2.6	3.1	2.2
Language spoken total population 5 years and over who speak another language at home	5.6	5.7	4.8	5.3	4.4
English ability total population 5 years and over who speak another	3.9	4.0	3.2	3.9	3.1

language at home					
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Population: Education 1		Percent Allocated			
Item	2011	2010	2009	2008	2007
School enrollment total population 3 years and over	3.6	3.7	2.9	3.6	2.4
Grade level attending total population 3 years and over enrolled	5.8	6.0	4.6	5.3	4.5
Educational attainment total population 3 years and over	5.4	5.6	4.6	5.3	3.6
Field of degree total population 25 years and over with a bachelor's degree or higher	10.0	9.8	9.1	**	**
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Population: Mobility and Migration 1		Percent Allocated			
Item	2011	2010	2009	2008	2007
Mobility status total population 1 years and over	4.0	4.0	3.2	3.7	2.3
Migration state/foreign county total population 1 years and over movers	8.0	7.1	6.3	7.6	4.8
Migration county total population 1 years and over movers within US	9.2	8.3	7.4	8.8	5.6
Migration minor civil division total population 1 years and over movers within US	8.6	8.4	7.5	8.8	5.7
Migration place total population 1 years and over movers within US	9.6	8.8	7.9	9.3	6.1
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Population: Health Insurance 1		Percent Allocated			
Item	2011	2010	2009	2008	2007
Health insurance thru employer/union total population	6.2	6.2	5.3	7.3	**
Health insurance purchased directly total population	7.1	6.9	6.0	8.1	**
Health insurance through Medicare total population	5.1	5.2	4.3	6.4	**
Health insurance through Medicaid total population	7.9	7.9	7.1	9.1	**
Health insurance through TRICARE total population	8.1	8.1	7.3	9.4	**
Health insurance through VA total population	8.0	8.1	7.2	9.4	**
Health ins. thru Indian Health Service total population	8.5	8.5	7.7	9.8	**
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Population: Disability 1		Percent Allocated			
Item	2011	2010	2009	2008	2007
Visual or hearing difficulty 2 total population 5 years and over	**	**	**	**	2.9
Visual difficulty 2 total population	3.3	3.4	2.7	4.3	**
Hearing difficulty 2 total population	3.0	3.2	2.4	4.0	**
Physical difficulty 2 total population 5 years and over	3.4	3.5	2.7	4.7	3.3
Difficulty remembering 2 total population 5 years and over	3.4	3.5	2.6	4.6	2.6
Difficulty dressing 2 total population 5 years and over	3.4	3.5	2.6	4.6	2.7

Difficulty going out 2 total population 16 years and over	3.4	3.4	2.7	4.7	2.6
Difficulty working at a job 2 total population 16 years and over	**	**	**	**	3.1
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Population: Grandparents and Fertility 1	Percent Allocated				
Item	2011	2010	2009	2008	2007
Grandchildren living in home noninstitutionalized population 30 years and over	0.9	0.9	0.8	0.8	0.4
Responsibility for grandchildren noninstitutionalized population 30 years and over who are grandparents with grandchildren in the home	11.9	12.0	10.8	11.1	9.9
Months responsible for grandchildren noninstitutionalized population 30 years and over who are grandparents with grandchildren in the home that have responsibility	12.8	14.9	14.1	13.9	12.6
Fertility status female total population 15-50	3.7	3.7	2.9	3.3	2.5
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Population: Military 1	Percent Allocated				
Item	2011	2010	2009	2008	2007
Veteran status total population 17 years and over	3.8	3.8	3.0	3.7	2.6
Periods of military service total population 17 years and over on active duty now or previously	6.3	6.3	5.3	6.3	4.9
Years of active duty total population 17 years and over on active duty now or previously	**	**	**	**	4.1
Service-connected disability rating total population 17 years and over, except those who never served in the Armed Forces	3.7	3.9	3.1	4.1	**
Service-connected disability rating value total population 17 years and over with a service- connected disability	0.6	0.7	0.7	0.6	**
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Population: Labor Force 1	Percent Allocated				
Item	2011	2010	2009	2008	2007
Employment status recode noninstitutionalized population 16 years and over	5.2	5.1	4.2	5.3	2.7
When last worked noninstitutionalized population 16 years and over	5.8	5.7	4.7	5.9	3.8
Weeks worked in the past 12 months noninstitutionalized population 16 years and over who worked in the past 12 months	6.9	6.9	5.7	6.5	6.8
Hours worked per week noninstitutionalized population 16 years and over who worked in the past 12 months	7.8	7.7	6.4	7.2	6.3
Place of work state/foreign county noninstitutionalized population 16 years and over at work last week	6.5	6.3	5.5	6.1	4.4
Place of work county noninstitutionalized population 16 years and over at work last week	7.2	7.0	6.1	6.7	5.1
Place of work minor civil division noninstitutionalized population 16 years and over at work last week	2.4	2.1	1.8	2.0	1.6
Place of work place noninstitutionalized population 16 years and over at work last week	7.8	7.6	6.7	7.4	5.6
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Population: Journey to Work 1	Percent Allocated				
Item	2011	2010	2009	2008	2007
Transportation to work noninstitutionalized population 16 years and over at work last week	5.6	5.7	5.1	5.5	4.0
Carpool size noninstitutionalized population 16 years and over at work last week who drive to work	6.7	6.8	6.0	6.6	4.8
Time of departure noninstitutionalized population 16 years and over at work last week who don't work at home	13.0	12.8	11.0	11.6	9.6
Commuting time noninstitutionalized population 16 years and over at work last week who don't work at home	9.6	9.7	8.5	9.2	7.6
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Population: Industry and Occupation 1	Percent Allocated				
Item	2011	2010	2009	2008	2007
Class of worker total population 16 years and over who worked in the last 5 years	7.3	7.2	6.1	7.2	5.6
Industry total population 16 years and over who worked in the last 5 years	7.8	7.8	6.5	7.6	6.0
Occupation total population 16 years and over who worked in the last 5 years	8.2	8.1	6.8	7.9	6.3
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Population: Income 1	Percent Allocated				
Item	2011	2010	2009	2008	2007
Wages/salary income total population 15 years and over	16.3	16.0	14.0	15.6	13.6
Self-employment income total population 15 years and over	5.9	5.9	4.8	5.9	4.1
Interest, dividends, etc. income total population 15 years and over	8.8	8.8	7.5	9.0	8.1
Social security or railroad retirement total population 15 years and over	8.8	8.9	7.4	8.5	7.7
Supplemental security income total population 15 years and over	6.7	6.7	5.5	6.7	5.8
Public assistance total population 15 years and over	6.7	6.8	5.5	6.8	5.8
Retirement income total population 15 years and over	7.5	7.5	6.1	7.4	6.5
Other income total population 15 years and over	7.3	7.4	6.0	7.1	6.1
Some or all income allocated total population 15 years and over	22.6	22.4	19.9	23.1	20.0
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¹ The 2000-2005 rates are for the comparable universe excluding the group quarters population, since that population was added to the ACS in 2006.

² Major changes were made to the disability questions beginning with the 2008 ACS questionnaire. Comparisons of rates between years 2008 or later and years 2007 or earlier should not be made for these characteristics.

(X) Some instances where no response to this question was required were incorrectly tallied as allocations, overstating the true level of item allocation required. The incorrect rates have been removed.

** This item was not asked in this year.

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