



S2504

PHYSICAL HOUSING CHARACTERISTICS FOR OCCUPIED HOUSING UNITS

2010 American Community Survey 1-Year Estimates

Supporting documentation on code lists, subject definitions, data accuracy, and statistical testing can be found on the American Community Survey website in the Data and Documentation section.

Sample size and data quality measures (including coverage rates, allocation rates, and response rates) can be found on the American Community Survey website in the Methodology section.

Although the American Community Survey (ACS) produces population, demographic and housing unit estimates, for 2010, the 2010 Census provides the official counts of the population and housing units for the nation, states, counties, cities and towns.

Subject	Hawaii					
	Occupied housing units		Owner-occupied housing units		Renter-occupied housing units	
	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error
Occupied housing units	445,812	+/-4,223	258,533	+/-5,422	187,279	+/-5,414
UNITS IN STRUCTURE						
1, detached	56.6%	+/-1.1	73.6%	+/-1.5	33.1%	+/-1.8
1, attached	7.9%	+/-0.6	5.4%	+/-0.7	11.3%	+/-1.2
2 apartments	3.4%	+/-0.4	1.4%	+/-0.4	6.1%	+/-0.9
3 or 4 apartments	4.6%	+/-0.5	2.4%	+/-0.4	7.5%	+/-0.9
5 to 9 apartments	5.9%	+/-0.6	3.8%	+/-0.7	8.8%	+/-1.1
10 or more apartments	21.4%	+/-0.9	13.1%	+/-1.0	32.9%	+/-1.6
Mobile home or other type of housing	0.2%	+/-0.1	0.2%	+/-0.1	0.3%	+/-0.3
YEAR STRUCTURE BUILT						
2000 or later	12.5%	+/-0.8	12.2%	+/-0.9	12.9%	+/-1.3
1990 to 1999	15.2%	+/-0.8	15.9%	+/-1.0	14.2%	+/-1.4
1980 to 1989	15.2%	+/-0.7	15.6%	+/-0.9	14.7%	+/-1.3
1960 to 1979	39.2%	+/-1.0	38.8%	+/-1.3	39.7%	+/-1.9
1940 to 1959	13.8%	+/-0.8	13.7%	+/-0.9	14.0%	+/-1.3
1939 or earlier	4.2%	+/-0.4	3.8%	+/-0.4	4.6%	+/-0.8
ROOMS						
1 room	4.0%	+/-0.5	1.2%	+/-0.3	7.8%	+/-1.0
2 or 3 rooms	20.1%	+/-1.0	10.7%	+/-0.9	33.0%	+/-2.0
4 or 5 rooms	40.5%	+/-1.3	40.3%	+/-1.6	40.7%	+/-2.1
6 or 7 rooms	23.6%	+/-1.0	30.8%	+/-1.1	13.8%	+/-1.3
8 or more rooms	11.8%	+/-0.7	17.0%	+/-1.1	4.7%	+/-0.7
BEDROOMS						
No bedroom	4.4%	+/-0.5	1.3%	+/-0.3	8.6%	+/-1.1
1 bedroom	13.0%	+/-0.9	5.6%	+/-0.7	23.2%	+/-1.6
2 or 3 bedrooms	61.3%	+/-1.1	63.6%	+/-1.5	58.2%	+/-1.7
4 or more bedrooms	21.3%	+/-1.0	29.5%	+/-1.4	9.9%	+/-1.2
COMPLETE FACILITIES						
With complete plumbing facilities	99.3%	+/-0.2	99.2%	+/-0.3	99.3%	+/-0.3
With complete kitchen facilities	98.3%	+/-0.2	99.2%	+/-0.2	96.9%	+/-0.6
VEHICLES AVAILABLE						
No vehicle available	8.9%	+/-0.7	4.5%	+/-0.5	15.0%	+/-1.3
1 vehicle available	33.9%	+/-1.1	25.9%	+/-1.2	44.8%	+/-1.9
2 vehicles available	36.2%	+/-1.0	39.8%	+/-1.2	31.4%	+/-2.0
3 or more vehicles available	21.0%	+/-0.9	29.8%	+/-1.3	8.8%	+/-0.9

Subject	Hawaii					
	Occupied housing units		Owner-occupied housing units		Renter-occupied housing units	
	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error
TELEPHONE SERVICE AVAILABLE						
With telephone service	97.5%	+/-0.4	98.6%	+/-0.3	96.0%	+/-0.8
HOUSE HEATING FUEL						
Utility gas	2.0%	+/-0.3	1.8%	+/-0.3	2.4%	+/-0.4
Bottled, tank, or LP gas	1.0%	+/-0.2	1.1%	+/-0.3	0.8%	+/-0.3
Electricity	31.5%	+/-1.1	33.4%	+/-1.2	29.0%	+/-1.7
Fuel oil, kerosene, etc.	0.0%	+/-0.1	0.0%	+/-0.1	0.1%	+/-0.1
Coal or coke	0.0%	+/-0.1	0.0%	+/-0.1	0.0%	+/-0.1
All other fuels	1.6%	+/-0.2	2.0%	+/-0.4	1.1%	+/-0.3
No fuel used	63.8%	+/-1.2	61.7%	+/-1.4	66.8%	+/-1.8
PERCENT IMPUTED						
Units in structure	3.0%	(X)	(X)	(X)	(X)	(X)
Year structure built	21.8%	(X)	(X)	(X)	(X)	(X)
Rooms	7.9%	(X)	(X)	(X)	(X)	(X)
Bedrooms	4.6%	(X)	(X)	(X)	(X)	(X)
Plumbing facilities	1.8%	(X)	(X)	(X)	(X)	(X)
Kitchen facilities	1.8%	(X)	(X)	(X)	(X)	(X)
Vehicles available	1.1%	(X)	(X)	(X)	(X)	(X)
Telephone service available	0.9%	(X)	(X)	(X)	(X)	(X)
House heating fuel	2.3%	(X)	(X)	(X)	(X)	(X)

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.

The percent imputed for units in structure, year structure built, rooms, bedrooms, plumbing facilities, and kitchen facilities is based on all housing units (both occupied and vacant housing units) instead of occupied housing units only.

The 2009 and 2010 plumbing data for Puerto Rico will not be shown. Research indicates that the questions on plumbing facilities that were introduced in 2008 in the stateside American Community Survey and the 2008 Puerto Rico Community Survey may not have been appropriate for Puerto Rico.

The imputation rates for some items - Units in Structure, Year Structure Built, Rooms, Bedrooms, Plumbing Facilities, and Kitchen Facilities - are calculated using the number of imputations in total housing units in the numerator but using total occupied housing units in the denominator. This results in artificially inflated imputation rates for all areas, but particularly in areas where there are unusually high percentages of vacant housing units.

While the 2010 American Community Survey (ACS) data generally reflect the December 2009 Office of Management and Budget (OMB) definitions of metropolitan and micropolitan statistical areas; in certain instances the names, codes, and boundaries of the principal cities shown in ACS tables may differ from the OMB definitions due to differences in the effective dates of the geographic entities.

Estimates of urban and rural population, housing units, and characteristics reflect boundaries of urban areas defined based on Census 2000 data. Boundaries for urban areas have not been updated since Census 2000. As a result, data for urban and rural areas from the ACS do not necessarily reflect the results of ongoing urbanization.

Source: U.S. Census Bureau, 2010 American Community Survey

Explanation of Symbols:

1. An '***' entry in the margin of error column indicates that either no sample observations or too few sample observations were available to compute a standard error and thus the margin of error. A statistical test is not appropriate.
2. An '-' entry in the estimate column indicates that either no sample observations or too few sample observations were available to compute an estimate, or a ratio of medians cannot be calculated because one or both of the median estimates falls in the lowest interval or upper interval of an open-ended distribution.
3. An '-' following a median estimate means the median falls in the lowest interval of an open-ended distribution.
4. An '+' following a median estimate means the median falls in the upper interval of an open-ended distribution.
5. An '***' entry in the margin of error column indicates that the median falls in the lowest interval or upper interval of an open-

ended distribution. A statistical test is not appropriate.

6. An '*****' entry in the margin of error column indicates that the estimate is controlled. A statistical test for sampling variability is not appropriate.
7. An 'N' entry in the estimate and margin of error columns indicates that data for this geographic area cannot be displayed because the number of sample cases is too small.
8. An '(X)' means that the estimate is not applicable or not available.