

**Income, Employment, Education, and Housing Characteristics
of Public Use Microdata Areas (PUMAs) in Hawaii:
2005 and 2006**

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Introduction

This report presents selected economic, social, and housing characteristics of Public Use Microdata Areas (PUMAs) in Hawaii. For comparison purposes, data for the state of Hawaii and the U.S. as a whole are also presented. The data are mainly from the American Community Survey (ACS) conducted by the U.S. Census Bureau. Data can be found at the Census Bureau's website at <http://www.census.gov/acs/www/>. As defined by the Census Bureau, there are nine Public Use Microdata Areas (PUMAs) in Hawaii. Following is a list of the PUMAs and the areas included in each of them.

PUMAs	Area	Detail description of area
100	Maui County, Kalawao County and Kauai County	Maui County, Kalawao County and Kauai County
200	Hawaii County	Hawaii County
301	Rural Oahu	Waianae, Wahiawa, North Shore and Koolauloa.
302	Koolaupoko	Kahaluu, Kaneohe, Kailua, Waimanalo and Mokapu
303	Makapuu-Manoa Stream	Hawaii Kai, Kuliouou-Kalani Iki, Waialae-Kahala, Kaimuki, Diamond Head/Kapahulu/St Louis Heights and Palolo
304	Manoa-Waikiki-Kakaako-Tantalus	Manoa, McCully, Moiliili, Waikiki, Makiki, Lower Punchbowl, Tantalus, Ala Moana and Kakaako
305	Pauoa-Downtown-Kalihi	Nuuanu, Punchbowl, Downtown, Liliha, Kapalama, Kalihi, Palama and Kalihi Valley
306	Moanalua-Airport-Pearl City	Moanalua, Aliamanu, Salt Lake, Foster Village, Airport, Aiea, Waimalu and Pacific Palisades
307	Mililani-Waipahu-Ewa	Waiawa, Waipahu, Ewa, Mililani, Waipio, Melemanu, Makakilo, Kapolei, Honokai Hale, Mililani Mauka and Launani Valley

Island of Oahu is broken down into seven PUMAs (PUMA 301 through PUMA 307). Maui, Kalawao and Kauai Counties are combined into one PUMA as PUMA100 since geographic areas have to meet with criteria of population of 100,000 or more. Since the ACS data were available only for areas with population of 250,000 or more prior to 2005, only 2005 and 2006 are covered in this report. It should be noted that there is a difference between 2005 and 2006 ACS in that group quarter population such as military barracks, college dormitories, and nursing homes were included in 2006 ACS, not 2005 ACS.

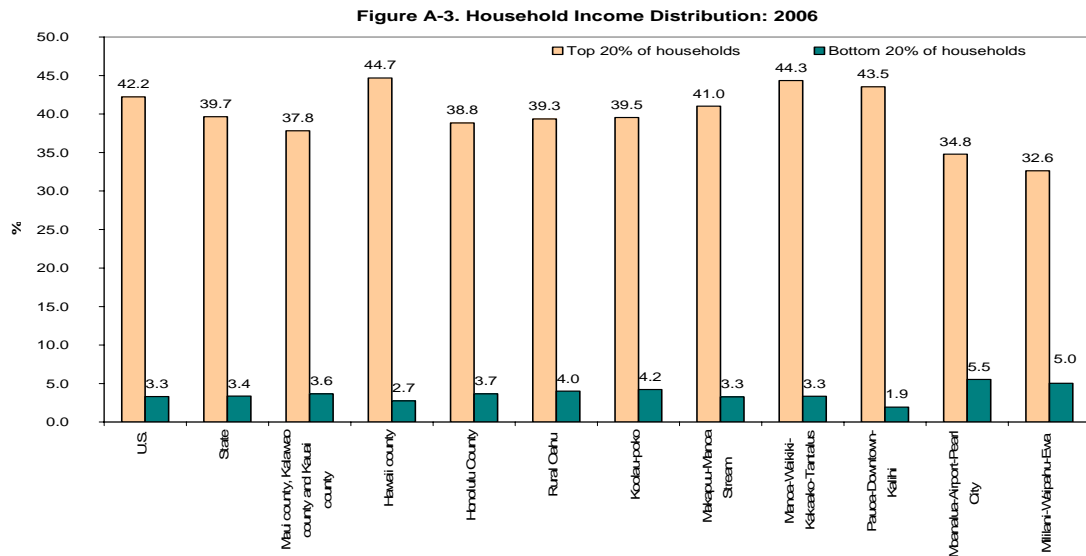
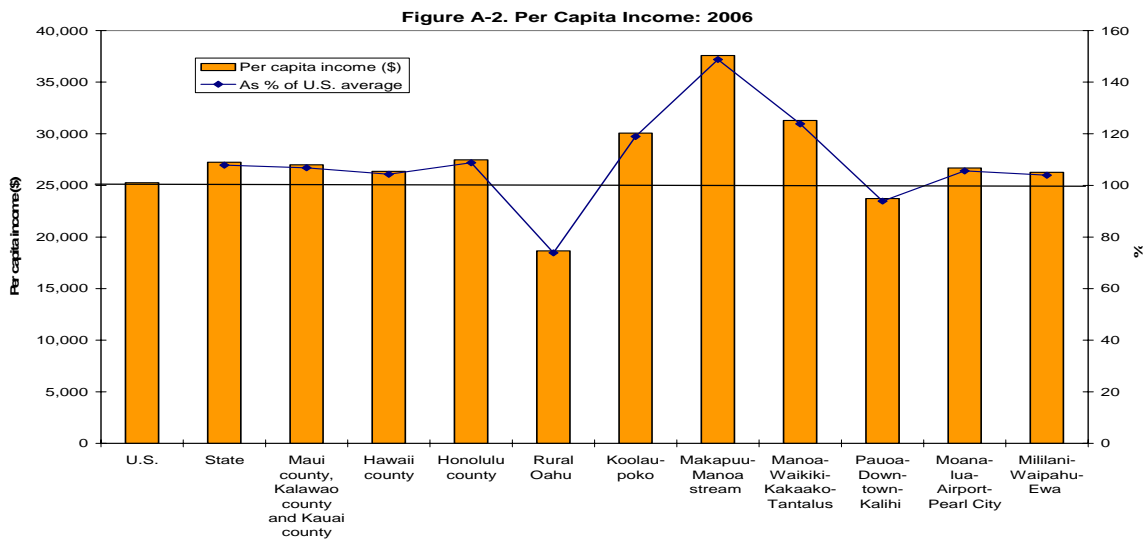
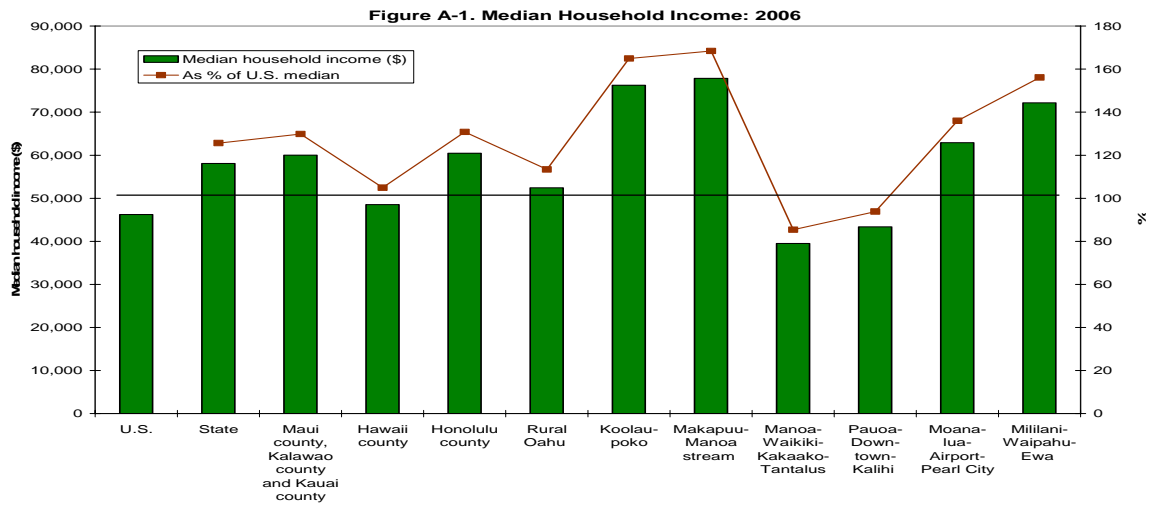
A. Income and Poverty

Three indicators are often used to describe the income level of the population: household income, family income, and per capita income. A household consists of all the people who occupy a housing unit. A household includes the related family members and all the unrelated people, if any, such as lodgers, foster children, wards, or students who share the housing unit. A person living alone in a housing unit or a group of unrelated people sharing a housing unit, such as partners or roomers, is also counted as a household. There are two major categories of households: "family" and "nonfamily". A family is a group of two people or more related by birth, marriage, or adoption and residing together. All such people are considered as members of one family. A family is a subset of a household.

The sum of income of all the people in a household is household income. Likewise, the sum of income of all family members is family income. For analysis on income distribution, household income is often used because household is the basic spending unit. However, due to different sizes in households, income of one household may not be comparable with another. For example, a household with 2 persons and \$100,000 household income is much wealthier than another household of 10 persons with the same amount of household income. Per capita income, the income on per person basis, can be used for comparing income level between areas.

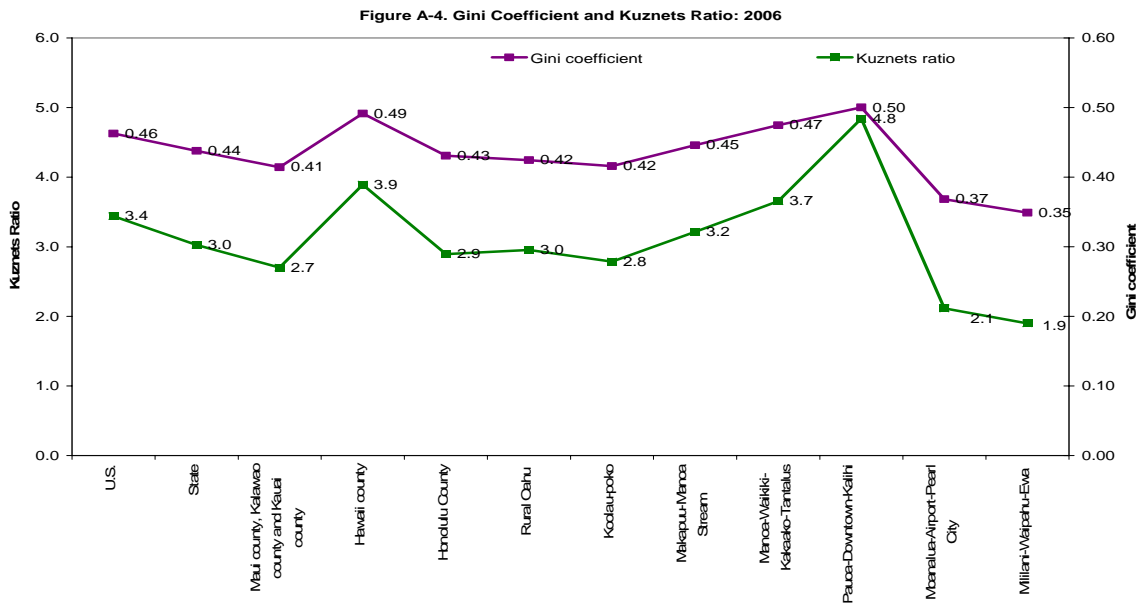
Median household incomes in most of the PUMAs in Hawaii were higher than the U.S. median household income for both 2005 and 2006 (Table A-1). Household incomes in only two areas, Manoa-Waikiki-Kakaako-Tantalus (PUMA 304) and Pauoa-Downton-Kalihi (PUMA 305), were lower than the U.S. median household income. The lower household income in the Manoa-Waikiki-Kakaako-Tantalus area may be due to the large proportion of one-person households in the area. In 2006, householders living alone in the U.S. accounted for 27.3 percent of the total U.S. households while those in the Manoa-Waikiki-Kakaako-Tantalus area accounted for 47.2 percent of the area's total households¹. 2005 figures for this particular group showed the similar results (27.1% in the U.S. and 43.6% in PUMA304¹). In terms of per capita income, this area has the second highest per capita income in 2006 among the PUMAs in Hawaii (Table A-2).

¹ Source: U.S. Census Bureau, American Community Survey (annual), Detailed Tables
<http://factfinder.census.gov/servlet/DatasetMainPageServlet?_program=ACS&_submenuId=&_lang=en&_ts=> calculations by the Hawaii State Department of Business, Economic Development & Tourism.



Median household income in Hawaii in 2006 was \$61,160, 26.2% higher than the U.S. level. Among PUMAs in Hawaii, PUMA 303, representing the area of Makapuu-Manoa stream (East Oahu), had the highest median household income at \$82,615 in 2006, 35% higher than the state level. More than 10 percent of the households in this area had income of \$200,000 or more (Table A-1). Rural Oahu, though median household income was not the lowest in the state due to larger household size, had the lowest per capita income in the state at \$18,662 in 2006, about 32% lower than the state level.

To measure how equally income is distributed in a particular area, the Gini coefficient is commonly used. The Gini Coefficient is a summary measure that expresses the degree of overall equality or inequality present in an income distribution and ranges from 0 to 1.



0 indicates perfect income equality, meaning that every household in a particular society earns exactly the same. On the other hand, a Gini coefficient of 1 indicates absolute inequality of income distribution. In this case, a single household earns all of the income earned in the economy. The Gini coefficient is derived from household income data. Pauoa-Downtown-Kalihi area (PUMA 305) had the highest Gini coefficient of 0.50 in 2006, indicating that household income in this area was the most unequally distributed among PUMAs in Hawaii in 2006. As indicated by the value of the Gini coefficient, household income was more evenly distributed in PUMA 306 (Moanalua-Airport-Pearl City) and 307 (Mililani-Waipahu-Ewa) in 2006 than in other districts.

Another measure of income inequality is the Kuznets Ratio. It is the ratio of the income received by the top 20% to the bottom 40% of the population. The higher the ratio, the more the income is earned by the rich income group. PUMA 305 (Pauoa-Downtown-Kalihi) had the most skewed income distribution in the state, while PUMA 306 (Moanalua-Airport-Pearl City) and 307 (Mililani-Waipahu-Ewa) had more even income distribution in 2006. These results are consistent with those revealed by the Gini ratio.

Table A-1. Household Income: 2006 and 2005

Category	U.S.	Hawaii State	Public Use Microdata Area									
			Maui county, Kalawao county and Kauai county	Hawaii county	Honolulu county	Rural Oahu	Koolau-poko	Makapuu-Manoa stream	Manoa-Waikiki-Kakaako-Tantalus	Pauoa-Down-town-Kalihi	Moana-lua-Airport-Pearl City	Mililani-Waipahu-Ewa
2006												
Number of Households	111,617,402	432,632	70,237	63,178	299,217	28,932	36,847	37,521	52,687	34,257	43,770	65,203
Median household income (\$)	48,451	61,160	57,986	55,390	63,372	52,844	78,227	82,615	43,028	48,352	63,973	76,815
As % of U.S.		126.2	119.7	114.3	130.8	109.1	161.5	170.5	88.8	99.8	132.0	158.5
Mean household income (\$)	65,527	77,805	75,162	72,925	79,456	67,200	94,786	106,977	60,545	68,025	76,716	83,520
As % of U.S.		118.7	114.7	111.3	121.3	102.6	144.7	163.3	92.4	103.8	117.1	127.5
Household Income Level			% of Households in Area									
Less than \$10,000	8.0	6.6	7.1	9.0	6.0	6.2	3.7	4.8	8.7	14.2	3.2	3.3
\$10,000 to \$14,999	5.9	3.9	4.4	5.9	3.4	4.0	2.6	1.9	6.3	6.5	1.4	1.7
\$15,000 to \$24,999	11.4	8.2	7.7	9.7	8.0	10.7	5.8	7.1	13.8	9.9	5.2	5.0
\$25,000 to \$34,999	11.2	8.3	8.9	8.8	8.1	8.7	6.7	5.8	10.9	9.8	10.2	5.2
\$35,000 to \$49,999	14.8	13.5	14.4	12.4	13.5	17.2	9.8	9.4	17.7	10.8	15.3	13.2
\$50,000 to \$74,999	19.0	19.9	21.1	20.7	19.5	21.2	18.9	15.1	19.1	15.3	25.3	20.2
\$75,000 to \$99,999	11.8	14.3	14.2	14.1	14.3	10.7	15.0	14.7	10.1	11.6	15.4	19.5
\$100,000 to \$149,999	10.9	15.5	14.4	10.9	16.7	14.2	21.6	21.7	6.7	12.7	15.3	23.3
\$150,000 to \$199,999	3.6	5.1	3.9	4.2	5.6	5.0	7.4	8.9	2.6	4.9	5.0	6.1
\$200,000 or more	3.4	4.6	3.9	4.2	4.9	2.1	8.4	10.7	4.1	4.3	3.7	2.4
2005												
Number of Households	111,090,617	430,007	69,980	59,470	300,557	29,368	35,737	37,606	56,960	36,589	45,235	59,062
Median household income (\$)	46,242	58,112	60,033	48,524	60,485	52,446	76,268	77,886	39,510	43,400	62,905	72,184
As % of U.S.		125.7	129.8	104.9	130.8	113.4	164.9	168.4	85.4	93.9	136.0	156.1
Mean household income (\$)	62,556	71,762	74,641	59,493	73,519	62,550	91,521	96,273	55,051	59,489	73,677	79,973
As % of U.S.		114.7	119.3	95.1	117.5	100.0	146.3	153.9	88.0	95.1	117.8	127.8
Household Income Level			% of Households in Area									
Less than \$10,000	8.7	6.4	5.0	7.3	6.6	5.7	2.3	3.2	13.6	12.4	4.7	2.8
\$10,000 to \$14,999	6.2	4.6	4.2	6.3	4.4	6.3	3.1	3.2	4.5	9.9	2.8	2.7
\$15,000 to \$24,999	12.0	7.8	8.3	8.8	7.4	5.2	6.5	6.6	12.7	9.2	6.2	4.4
\$25,000 to \$34,999	11.5	9.6	9.7	11.1	9.2	15.0	6.9	4.8	12.3	9.7	9.2	7.3
\$35,000 to \$49,999	15.1	14.7	15.2	18.1	14.0	12.3	12.1	12.0	16.4	14.9	16.1	12.6
\$50,000 to \$74,999	18.9	20.4	19.9	21.5	20.3	26.0	18.3	18.8	17.9	16.5	23.7	21.6
\$75,000 to \$99,999	11.4	13.7	15.7	12.6	13.5	12.3	15.3	14.8	9.1	10.0	12.9	19.0
\$100,000 to \$149,999	10.1	14.6	13.2	9.8	15.9	12.1	21.1	20.6	8.3	10.7	17.0	21.3
\$150,000 to \$199,999	3.2	5.0	5.0	2.3	5.5	3.7	9.1	10.3	2.8	4.2	4.9	5.2
\$200,000 or more	3.0	3.2	3.7	2.3	3.2	1.3	5.4	5.6	2.4	2.5	2.5	3.1

Source: U.S. Census Bureau, American Community Survey (annual), Economic Characteristics
http://factfinder.census.gov/servlet/DatasetMainPageServlet?_program=ACS&_submenuId=en&_lang=en&_ts=>.

Table A-2. Family Income: 2006 and 2005

Category	U.S.	Hawaii State	Public Use Microdata Area										
			Maui county, Kalawao county and Kauai county	Hawaii county	Honolulu county	Rural Oahu	Koolau-poko	Makapuu-Manoa stream	Manoa-Waikiki-Kakaako-Tantalus	Pauoa-Down-town-Kalihi	Moana-lua-Airport-Pearl City	Mililani-Waipahu-Ewa	
2006													
Number of Families	74,564,066	301,102	47,617	43,595	209,890	23,450	28,867	27,858	23,758	22,291	32,262	51,404	
Median family income (\$)	58,526	70,277	67,112	61,211	73,457	53,706	82,718	96,838	58,590	58,454	70,183	82,778	
As % of U.S.		120.1	114.7	104.6	125.5	91.8	141.3	165.5	100.1	99.9	119.9	141.4	
Mean family income (\$)	76,130	87,638	85,914	80,302	89,553	68,998	101,089	118,424	80,643	79,623	83,950	88,745	
As % of U.S.		115.1	112.9	105.5	117.6	90.6	132.8	155.6	105.9	104.6	110.3	116.6	
Per capita income (\$)	25,267	27,251	26,991	26,356	27,478	18,662	30,060	37,597	31,294	23,728	26,686	26,261	
As % of U.S.		107.9	106.8	104.3	108.8	73.9	119.0	148.8	123.9	93.9	105.6	103.9	
Family Income Level						% of Families in Area							
Less than \$10,000	4.8	4.1	3.9	5.9	3.8	5.1	4.3	3.9	4.0	7.5	1.7	2.3	
\$10,000 to \$14,999	3.6	2.3	2.2	4.0	1.9	4.4	0.4	0.5	2.2	5.2	1.1	1.5	
\$15,000 to \$24,999	9.1	6.4	8.3	7.8	5.6	9.3	3.9	4.5	9.0	10.0	2.6	4.0	
\$25,000 to \$34,999	10.0	7.3	8.0	9.4	6.8	9.7	5.2	3.8	10.8	9.3	6.7	5.0	
\$35,000 to \$49,999	14.6	13.3	14.1	14.8	12.9	17.4	9.7	7.2	17.8	10.1	16.0	12.7	
\$50,000 to \$74,999	20.9	20.1	20.3	21.9	19.7	19.7	20.0	15.3	20.8	17.0	25.8	18.8	
\$75,000 to \$99,999	14.3	16.2	17.4	15.1	16.2	11.8	16.1	17.1	12.5	14.4	17.3	19.5	
\$100,000 to \$149,999	13.7	18.6	16.6	12.5	20.3	15.4	23.9	24.5	11.8	15.1	18.0	26.0	
\$150,000 to \$199,999	4.6	5.9	4.1	3.6	6.8	5.1	7.7	10.4	3.9	5.7	6.7	7.2	
\$200,000 or more	4.4	5.7	5.1	4.9	5.9	2.2	8.9	12.8	7.2	5.9	4.0	2.9	
2005													
Number of Families	74,341,149	305,789	49,354	42,986	213,449	23,626	29,103	27,793	26,649	25,067	33,976	47,235	
Median family income (\$)	55,832	66,472	66,399	55,441	69,407	54,016	80,182	90,010	54,668	50,198	70,293	77,409	
As % of U.S.		119.1	118.9	99.3	124.3	96.7	143.6	161.2	97.9	89.9	125.9	138.6	
Mean family income (\$)	72,585	80,044	82,521	65,368	82,427	63,729	95,497	107,955	69,575	67,564	82,339	83,907	
As % of U.S.		110.3	113.7	90.1	113.6	87.8	131.6	148.7	95.9	93.1	113.4	115.6	
Per capita income (\$)	25,035	25,326	26,749	21,174	25,781	17,034	29,433	35,458	28,806	20,828	25,523	24,527	
As % of U.S.		101.2	106.8	84.6	103.0	68.0	117.6	141.6	115.1	83.2	101.9	98.0	
Family Income Level						% of Families in Area							
Less than \$10,000	5.3	4.0	3.4	6.5	3.6	3.4	1.4	2.6	8.0	6.4	3.1	2.0	
\$10,000 to \$14,999	3.9	3.0	2.3	4.2	2.9	5.6	1.4	2.3	2.5	7.2	0.2	2.5	
\$15,000 to \$24,999	9.6	6.0	6.5	6.6	5.8	6.9	5.8	3.3	11.8	8.7	4.4	2.7	
\$25,000 to \$34,999	10.5	8.6	8.7	11.0	8.1	13.7	6.5	3.5	9.0	11.2	9.4	6.1	
\$35,000 to \$49,999	15.0	14.1	14.8	15.9	13.6	11.8	13.0	9.4	15.2	16.4	16.4	12.7	
\$50,000 to \$74,999	21.0	21.1	20.6	23.3	20.8	28.8	17.8	17.8	20.4	18.8	21.2	21.3	
\$75,000 to \$99,999	13.8	16.0	18.5	15.5	15.6	11.9	16.0	18.1	13.5	10.7	15.1	19.7	
\$100,000 to \$149,999	12.8	17.7	16.2	11.5	19.3	13.4	22.2	24.2	11.8	13.1	21.2	23.6	
\$150,000 to \$199,999	4.1	5.8	4.3	2.8	6.7	3.8	9.6	12.0	4.0	4.0	6.3	6.6	
\$200,000 or more	3.9	3.7	4.7	2.6	3.7	0.8	6.2	6.7	3.7	3.5	2.8	2.7	

Source: U.S. Census Bureau, American Community Survey (annual), Economic Characteristics.
http://factfinder.census.gov/servlet/DatasetMainPageServlet?_program=ACS&_submenuId=&_lang=en&_ts=>

Table A-3. Household Income Distribution: 2005 and 2006

Category	U.S.	Hawaii State	Maui county, Kalawao county and Kauai county	Hawaii county	Honolulu County	Rural Oahu	Koolau-poko	Makapuu-Manoa Stream	Manoa-Waikiki-Kakaako-Tantalus	Pauoa-Downtown-Kalihi	Moanalua-Airport-Pearl City	Mililani-Waipahu-Ewa
% of Total Household Income Going to Each Fifth of Households												
% of Households												
Poorest 20%	3.3	3.4	3.6	2.7	3.7	4.0	4.2	3.3	3.3	1.9	5.5	5.0
2nd 20%	9.0	9.7	10.4	8.7	9.8	9.3	10.0	9.5	8.8	7.1	10.9	12.1
3rd 20%	14.8	15.8	16.4	13.7	15.8	16.4	16.1	15.7	14.2	14.1	17.1	17.1
4th 20%	22.8	23.7	24.1	22.7	24.0	22.9	23.3	23.2	21.8	25.2	23.5	26.1
Richest 20%	50.1	47.4	45.5	52.1	46.8	47.4	46.4	48.4	51.9	51.7	42.9	39.6
Gini Ratio	0.46	0.44	0.41	0.49	0.43	0.42	0.42	0.45	0.47	0.50	0.37	0.35
Kuznets ratio	4.08	3.62	3.25	4.54	3.48	3.56	3.27	3.79	4.27	5.75	2.61	2.31
2005												
% of Total Household Income Going to Each Fifth of Households												
% of Households												
Poorest 20%	3.3	3.9	3.9	4.2	3.7	4.3	4.1	4.5	2.7	2.7	4.5	5.8
2nd 20%	8.8	10.0	10.0	11.1	10.1	11.0	10.6	11.0	8.6	8.0	10.7	12.3
3rd 20%	14.9	15.9	15.8	16.4	16.1	16.5	16.1	15.9	13.4	14.9	16.6	17.6
4th 20%	23.1	24.1	23.0	24.1	23.8	24.1	25.1	24.3	23.0	23.4	24.1	24.1
Richest 20%	49.9	46.0	47.3	44.3	46.2	44.1	44.0	44.2	52.3	51.0	44.1	40.2
Gini Ratio	0.46	0.42	0.42	0.39	0.42	0.39	0.40	0.39	0.48	0.47	0.39	0.34
Gini Ratio	0.46	0.42	0.42	0.39	0.42	0.39	0.40	0.39	0.48	0.47	0.39	0.34
Kuznets ratio	4.10	3.30	3.39	2.89	3.34	2.89	2.98	2.85	4.59	4.75	2.90	2.23

Source: U.S. Census Bureau, 2005 & 2006 American Community Survey Public Use Microdata Sample (PUMS); calculations by the Hawaii State Department of Business, Economic Development & Tourism.

TABLE A-4. Percentage of Families with Income in the Past 12 Months Below the Poverty Level: 2005 and 2006

Category	U.S.	State	Maui county, Kalawao county and Kauai county	Hawaii county	Honolulu county	Rural Oahu	Koolau-poko	Makapuu-Manoa stream	Manoa-Waikiki-Kakaako-Tantalus	Pauoa-Down-town-Kalihi	Moana-lua-Airport-Pearl City	Mililani-Waipahu-Ewa
2006												
All families	9.8	7.1	7.1	11.5	6.3	10.9	4.8	4.4	7.6	14.0	3.4	3.9
With related children under 18 years	15.0	9.7	12.1	16.5	8.2	13.1	6.6	5.1	12.6	17.9	5.1	5.0
With related children under 5 years only	15.9	7.8	12.7	20.0	4.8	11.6	3.5	13.4	0.0	0.0	1.3	3.6
Married couple families	4.7	3.9	3.9	7.0	3.3	4.4	3.5	1.5	4.9	9.5	1.6	1.7
With related children under 18 years	6.5	3.9	6.7	7.1	3.1	3.4	3.4	1.3	6.5	8.9	2.7	1.4
With related children under 5 years only	6.1	1.5	0.0	4.5	1.3	0.0	4.0	2.5	0.0	0.0	0.0	1.0
Families with female householder, no husband present	28.6	20.7	20.9	31.1	18.6	31.1	12.4	18.2	16.3	26.2	10.5	14.0
With related children under 18 years	36.9	29.0	26.9	41.0	27.2	38.1	22.9	19.9	24.6	45.7	16.4	19.1
With related children under 5 years only	45.2	26.4	44.7	66.1	14.6	28.3	0.0	52.6	0.0	0.0	0.0	0.0
2005												
All families	10.2	7.7	4.6	10.6	7.3	12.9	3.2	(1/)	11.5	13.0	(1/)	5.5
With related children under 18 years	15.6	10.5	7.4	17.1	9.2	16.0	3.3	(1/)	14.7	15.3	(1/)	6.0
With related children under 5 years only	17.1	10.1	2.4	28.5	8.4	9.1	5.7	(1/)	2.4	7.4	(1/)	10.3
Married couple families	5.0	4.2	1.9	6.1	4.1	6.1	1.8	(1/)	7.6	11.8	(1/)	2.3
With related children under 18 years	6.9	4.9	2.9	7.9	4.5	9.1	0.5	(1/)	10.7	9.7	(1/)	2.4
With related children under 5 years only	6.6	5.4	0.0	22.7	3.6	0.9	1.1	(1/)	3.0	9.8	(1/)	3.7
Families with female householder, no husband present	29.4	20.9	17.1	34.0	18.8	30.9	11.3	(1/)	24.4	19.8	(1/)	18.1
With related children under 18 years	37.7	28.4	23.1	45.6	25.2	35.0	17.1	(1/)	31.1	28.9	(1/)	20.2
With related children under 5 years only	47.4	30.6	10.4	50.9	30.9	37.3	25.3	(1/)	0.0	0.0	(1/)	48.0
Change												
All families	-0.4	-0.6	2.5	0.9	-1.0	-2.0	1.6	N/A	-3.9	1.0	N/A	-1.6
With related children under 18 years	-0.6	-0.8	4.7	-0.6	-1.0	-2.9	3.3	N/A	-2.1	2.6	N/A	-1.0
With related children under 5 years only	-1.2	-2.3	10.3	-8.5	-3.6	2.5	-2.2	N/A	-2.4	-7.4	N/A	-6.7
Married couple families	-0.3	-0.3	2.0	0.9	-0.8	-1.7	1.7	N/A	-2.7	-2.3	N/A	-0.6
With related children under 18 years	-0.4	-1.0	3.8	-0.8	-1.4	-5.7	2.9	N/A	-4.2	-0.8	N/A	-1.0
With related children under 5 years only	-0.5	-3.9	0.0	-18.2	-2.3	-0.9	2.9	N/A	-3.0	-9.8	N/A	-2.7
Families with female householder, no husband present	-0.8	-0.2	3.8	-2.9	-0.2	0.2	1.1	N/A	-8.1	6.4	N/A	-4.1
With related children under 18 years	-0.8	0.6	3.8	-4.6	2.0	3.1	5.8	N/A	-6.5	16.8	N/A	-1.1
With related children under 5 years only	-2.2	-4.2	34.3	15.2	-16.3	-9.0	-25.3	N/A	0.0	0.0	N/A	-48.0

NA = Not available.

1/ Sample size was too small.

Source: U.S. Census Bureau, American Community Survey (annual), Economic Characteristics.

TABLE A-5. Percentage of People whose Income in the Past 12 Months Below the Poverty Level: 2005 and 2006

Category	U.S.	State	Maui county, Kalawao county and Kauai county	Hawaii county	Honolulu county	Rural Oahu	Koolau-poko	Makapuu-Manoa stream	Manoa-Waikiki-Kakaako-Tantalus	Pauoa-Downtown-Kalihi	Moana-lua-Airport-Pearl City	Mililani-Waipahu-Ewa
2006												
All people 1/	13.3	9.3	9.7	14.1	8.4	12.0	5.6	6.1	10.9	19.5	4.8	4.8
Under 18 years	18.3	11.4	14.3	17.9	10.0	14.2	9.3	4.2	12.0	26.0	6.2	6.0
Related children under 18 years	17.9	10.7	14.1	17.1	9.3	14.0	8.4	4.2	12.0	23.9	5.8	5.0
Related children under 5 years	21.0	11.0	13.9	17.7	9.8	15.1	8.3	12.3	9.9	23.2	5.6	5.1
Related children 5 to 17 years	16.7	10.6	14.1	16.8	9.0	13.6	8.5	1.2	12.8	24.2	5.9	5.0
18 years and over	11.6	8.6	8.3	12.9	7.9	11.1	4.4	6.5	10.7	17.9	4.3	4.4
18 to 64 years	12.0	8.5	8.4	13.0	7.8	11.1	4.7	6.8	10.8	17.5	4.3	4.0
65 years and over	9.9	9.1	7.7	12.9	8.6	10.5	3.2	5.6	10.4	19.5	4.6	7.4
People in families	10.8	6.8	7.6	11.3	6.0	10.0	4.7	3.3	8.2	13.7	3.3	3.4
Unrelated individuals 15 years and over	24.4	21.4	18.5	25.3	21.1	26.5	13.2	21.4	16.1	39.5	14.4	16.1
2005												
All people 1/	13.3	9.8	6.5	13.2	9.4	16.7	3.7	7.3	16.1	14.5	4.7	6.6
Under 18 years	18.5	12.7	8.9	18.2	11.3	23.3	3.9	8.5	16.6	19.4	5.6	6.5
Related children under 18 years	18.2	12.2	8.5	16.5	11.0	23.1	(2/)	(2/)	(2/)	19.4	(2/)	6.3
Related children under 5 years	21.3	11.8	6.1	24.4	10.2	14.5	(2/)	(2/)	(2/)	19.0	(2/)	9.4
Related children 5 to 17 years	17.0	12.4	9.4	13.5	11.4	26.3	(2/)	(2/)	(2/)	19.7	(2/)	5.1
18 years and over	11.6	8.9	5.8	11.5	8.9	13.3	3.6	7.0	16.1	13.2	4.4	6.6
18 to 64 years	11.9	8.9	6.1	12.4	8.6	13.8	2.9	7.5	16.5	11.5	4.0	6.5
65 years and over	9.9	8.9	3.8	7.1	9.9	9.2	6.4	5.5	14.5	18.7	6.2	7.3
People in families	11.2	7.5	5.3	11.7	7.8	15.3	3.1	6.1	13.0	12.0	3.4	6.0
Unrelated individuals 15 years and over	23.1	22.4	15.5	27.3	22.7	30.2	11.8	18.6	24.2	29.1	17.3	23.1

1/ The Group Quarters (GQ) population is included in the 2006 ACS and not included in the 2005 ACS. The part of the group quarters population in the poverty universe is many times more likely to be in poverty than people living in households. Direct comparisons would likely result in erroneous conclusions about changes in the poverty status of all people in the poverty universe, thus comparisons cannot be made.

2/ Sample size was too small.

Source: U.S. Census Bureau, American Community Survey (annual), Economic Characteristics.

<http://factfinder.census.gov/servlet/DatasetMainPageServlet?_program=ACS&_submenuId=&_lang=en&_ts=>.

B. Employment

Hawaii had a 66.0% labor force participation rate in 2006, higher than the 65% for the nation. Mililani-Waipahu-Ewa area had the highest labor force participation rate at 70.5%, followed by Maui and Kauai Counties at 69.4%. Pauoa-Downtown-Kalihi had the lowest labor force participation rate at 57.5% in 2006 (Table B-1).

Most of the PUMAs in Hawaii had lower unemployment rate than the national average of 6.4% in 2006, except Rural Oahu and Pauoa-Downtown-Kalihi which had higher unemployment rate than the national average (Table B-1).

Over 40 percent of individuals were engaged in management, professional and related occupations in Makapuu-Manoa Stream (PUMA 303) in both 2005 and 2006 (Table B-2), much higher than the state average (33.1% in 2006 and 32.2% in 2005) and in the U.S. (34.0% in 2006 and 34.1% in 2005). There were much more government workers in Moanalua-Airport-Pearl City (PUMA 306), Mililani-Waipahu-Ewa (PUMA 307), and Rural Oahu (PUMA 301) areas because these areas are close to the military bases. In 2006, government workers accounted for 14.4 percent of total labor force while Moanalua-Airport-Pearl City area accounted for 27.3 percent (Table B-4).

There was a higher percentage of those who were in Armed Forces in Rural Oahu (PUMA 301) and Moanalua-Airport-Pearl City (PUMA 306). 11.0 percent of the labor force were in Armed Forces in PUMA 301 and 10.4 percent in PUMA 307 in 2006 (Table B-1). The share of armed forces in 2005 was much lower than in 2006, because 2006 data included military barracks and other group quarters for the first time.

Table B-1. Employment Status: 2005 and 2006

Category	U.S.	Hawaii State	Public Use Microdata Area									
			Maui county, Kalawao county and Kauai county	Hawaii county	Honolulu County	Rural Oahu	Koolau-poko	Makapuu-Manoa Stream	Manoa-Waikiki-Kakaako-Tantalus	Pauoa-Downtown-Kalihi	Moana-lua-Airport-Pearl City	Mililani-Waipahu-Ewa
2006												
Employment Status												
Population 16 years and over	234,243,963	1,023,610	161,792	136,798	725,020	88,456	99,696	90,538	92,576	88,124	105,843	159,787
In labor force	152,193,214	675,895	112,363	91,433	472,099	58,926	66,916	55,672	59,084	50,633	68,259	112,609
Civilian labor force	151,203,992	638,345	112,307	91,433	434,605	49,206	60,027	55,400	57,706	50,320	57,202	104,744
Employed	141,501,434	610,394	109,268	87,092	414,034	45,242	57,504	53,874	55,757	46,893	55,377	99,387
Unemployed	9,702,558	27,951	3,039	4,341	20,571	3,964	2,523	1,526	1,949	3,427	1,825	5,357
Armed Forces	989,222	37,550	56	-	37,494	9,720	6,889	272	1,378	313	11,057	7,865
Not in labor force	82,050,749	347,715	49,429	45,365	252,921	29,530	32,780	34,866	33,492	37,491	37,584	47,178
Unemployment rate	6.4	4.4	2.7	4.7	4.7	8.1	4.2	2.8	3.4	6.8	3.2	5.1
2005												
Employment Status												
Population 16 years and over	223,524,814	971,888	156,760	128,343	686,785	75,537	87,096	86,220	98,069	86,206	104,828	148,829
In labor force	147,299,391	631,607	111,055	79,218	441,334	47,759	58,202	54,415	62,531	48,675	66,337	103,415
Civilian labor force	146,576,413	609,666	110,763	79,170	419,733	44,588	54,989	54,222	61,658	47,970	59,915	96,391
Employed	136,458,810	582,731	106,115	75,541	401,075	40,661	52,736	52,987	58,305	47,000	57,048	92,338
Unemployed	10,117,603	26,935	4,648	3,629	18,658	3,927	2,253	1,235	3,353	970	2,867	4,053
Armed Forces	722,978	21,941	292	48	21,601	3,171	3,213	193	873	705	6,422	7,024
Not in labor force	76,225,423	340,281	45,705	49,125	245,451	27,778	28,894	31,805	35,538	37,531	38,491	45,414
Unemployment rate	6.9	4.4	4.2	4.6	4.4	8.8	4.1	2.3	5.4	2.0	4.8	4.2
% share 2006												
Employment Status												
In labor force (% of total labor force)	65.0	66.0	69.4	66.8	65.1	66.6	67.1	61.5	63.8	57.5	64.5	70.5
Civilian labor force	64.5	62.4	69.4	66.8	59.9	55.6	60.2	61.2	62.3	57.1	54.0	65.6
Employed (% of civilian labor force)	93.6	95.6	97.3	95.3	95.3	91.9	95.8	97.2	96.6	93.2	96.8	94.9
Unemployed (% of civilian labor force)	6.4	4.4	2.7	4.7	4.7	8.1	4.2	2.8	3.4	6.8	3.2	5.1
Armed Forces (% of total labor force)	0.4	3.7	0.0	0.0	5.2	11.0	6.9	0.3	1.5	0.4	10.4	4.9
Not in labor force (% of population 16 yrs and over)	35.0	34.0	30.6	33.2	34.9	33.4	32.9	38.5	36.2	42.5	35.5	29.5
% share 2005												
Employment Status												
In labor force (% of total labor force)	65.9	65.0	70.8	61.7	64.3	63.2	66.8	63.1	63.8	56.5	63.3	69.5
Civilian labor force	65.6	62.7	70.7	61.7	61.1	59.0	63.1	62.9	62.9	55.6	57.2	64.8
Employed (% of civilian labor force)	93.1	95.6	95.8	95.4	95.6	91.2	95.9	97.7	94.6	98.0	95.2	95.8
Unemployed (% of civilian labor force)	6.9	4.4	4.2	4.6	4.4	8.8	4.1	2.3	5.4	2.0	4.8	4.2
Armed Forces (% of total labor force)	0.3	2.3	0.2	0.0	3.1	4.2	3.7	0.2	0.9	0.8	6.1	4.7
Not in labor force (% of population 16 yrs and over)	34.1	35.0	29.2	38.3	35.7	36.8	33.2	36.9	36.2	43.5	36.7	30.5

Source: U.S. Census Bureau, American Community Survey (annual), Economic Characteristics.
http://factfinder.census.gov/servlet/DatasetMainPageServlet?_program=ACS&_submenuId=&_lang=en&_ts=>

Table B-2. Employment by Occupation: 2005 and 2006

Category	U.S.	Hawaii State	Public Use Microdata Area									
			Maui county, Kalawao county and Kauai county	Hawaii county	Honolulu County	Rural Oahu	Koolau-poko	Makapuu-Manoa Stream	Manoa-Waikiki-Kakaako-Tantalus	Pauoa-Downtown-Kalihi	Moana-lua-Airport-Pearl City	Mililani-Waipahu-Ewa
2006												
Occupation												
Management, professional, and related	48,058,369	201,797	32,002	23,908	145,887	11,906	22,810	25,691	21,576	13,271	18,995	31,638
Service	23,361,096	129,638	28,416	19,711	81,511	9,716	8,874	6,778	13,294	14,497	9,402	18,950
Sales and office	36,615,694	163,846	27,013	22,479	114,354	10,696	15,256	16,019	16,108	10,403	16,526	29,346
Farming, fishing, and forestry	1,007,036	6,243	982	2,615	2,646	376	558	179	302	794	49	388
Construction, extraction, maintenance and repair	14,094,249	62,851	11,486	12,028	39,337	6,740	6,781	3,308	1,700	4,623	5,496	10,689
Production, transportation, and material moving	18,364,990	46,019	9,369	6,351	30,299	5,808	3,225	1,899	2,777	3,305	4,909	8,376
2005												
Occupation												
Management, professional, and related	46,514,512	187,414	26,154	21,060	140,200	11,418	20,858	23,037	25,126	12,434	19,075	28,252
Service	22,224,170	127,387	31,761	18,444	77,182	8,840	8,088	8,716	8,805	12,005	11,248	19,480
Sales and office	35,352,046	159,817	26,686	18,124	115,007	10,735	12,936	15,475	19,095	13,203	16,248	27,315
Farming, fishing, and forestry	929,636	4,090	772	1,689	1,629	718	164	149		84		514
Construction, extraction, maintenance and repair	13,630,934	57,329	12,192	10,315	34,822	4,941	5,965	3,216	2,097	3,481	5,213	9,909
Production, transportation, and material moving	17,807,512	46,694	8,550	5,909	32,235	4,009	4,725	2,394	3,182	5,793	5,264	6,868
% of all workers: 2006												
Occupation												
Management, professional, and related	34.0	33.1	29.3	27.5	35.2	26.3	39.7	47.7	38.7	28.3	34.3	31.8
Service	16.5	21.2	26.0	22.6	19.7	21.5	15.4	12.6	23.8	30.9	17.0	19.1
Sales and office	25.9	26.8	24.7	25.8	27.6	23.6	26.5	29.7	28.9	22.2	29.8	29.5
Farming, fishing, and forestry	0.7	1.0	0.9	3.0	0.6	0.8	1.0	0.3	0.5	1.7	0.1	0.4
Construction, extraction, maintenance and repair	10.0	10.3	10.5	13.8	9.5	14.9	11.8	6.1	3.0	9.9	9.9	10.8
Production, transportation, and material moving	13.0	7.5	8.6	7.3	7.3	12.8	5.6	3.5	5.0	7.0	8.9	8.4
% of all workers: 2005												
Occupation												
Management, professional, and related	34.1	32.2	24.6	27.9	35.0	28.1	39.6	43.5	43.1	26.5	33.4	30.6
Service	16.3	21.9	29.9	24.4	19.2	21.7	15.3	16.4	15.1	25.5	19.7	21.1
Sales and office	25.9	27.4	25.1	24.0	28.7	26.4	24.5	29.2	32.8	28.1	28.5	29.6
Farming, fishing, and forestry	0.7	0.7	0.7	2.2	0.4	1.8	0.3	0.3	0.0	0.2	0.0	0.6
Construction, extraction, maintenance and repair	10.0	9.8	11.5	13.7	8.7	12.2	11.3	6.1	3.6	7.4	9.1	10.7
Production, transportation, and material moving	13.0	8.0	8.1	7.8	8.0	9.9	9.0	4.5	5.5	12.3	9.2	7.4

Source: U.S. Census Bureau, American Community Survey (annual), Economic Characteristics.

<http://factfinder.census.gov/servlet/DatasetMainPageServlet?_program=ACS&_submenuId=&_lang=en&_ts=>.

Table B-3. Employment by Industry: 2005 and 2006

Category	U.S.	Hawaii State	Public Use Microdata Area									
			Maui county, Kalawao county and Kauai county	Hawaii county	Honolulu County	Rural Oahu	Koolau-poko	Makapuu-Manoa Stream	Manoa-Waikiki-Kakaako-Tantalus	Pauoa-Downtown-Kalihi	Moana-lua-Airport-Pearl City	Mililani-Waipahu-Ewa
2006												
Industry												
Agriculture, forestry, fishing and hunting, and mining	2,588,454	9,864	2,302	4,106	3,456	601	851	265	349	840	-	550
Construction	11,183,930	51,174	9,711	10,880	30,583	4,780	5,897	3,948	2,073	2,525	3,957	7,403
Manufacturing	16,350,948	16,851	2,444	1,842	12,565	1,828	1,262	570	574	2,315	1,582	4,434
Wholesale trade	4,842,294	18,232	2,847	2,172	13,213	1,402	1,725	1,056	1,338	1,688	2,330	3,674
Retail trade	16,268,904	72,383	15,017	11,414	45,952	5,282	5,051	6,306	7,264	4,636	7,137	10,276
Transportation and warehousing, and utilities	7,144,167	33,654	4,742	3,253	25,659	3,252	3,441	2,936	2,690	1,803	4,572	6,965
Information	3,524,717	13,091	1,548	1,799	9,744	878	1,314	1,618	1,430	546	792	3,166
Finance and insurance, and real estate and rental and leasing	10,241,270	41,089	5,786	5,622	29,681	1,773	4,150	5,012	4,266	3,231	3,863	7,386
Professional, scientific, and management, and administrative and waste management services	14,301,698	62,291	10,570	8,731	42,990	3,799	5,720	8,087	6,363	5,904	4,599	8,518
Educational services, and health care, and social assistance	29,491,331	119,906	18,135	14,323	87,448	10,401	13,598	12,811	11,787	9,228	11,273	18,350
Arts, entertainment, and recreation, and accommodation, and food services	12,149,998	90,241	25,306	14,845	50,090	5,480	6,098	5,002	10,529	9,091	4,781	9,109
Other services, except public administration	6,796,996	27,572	5,588	3,862	18,122	1,480	2,388	2,075	3,189	2,169	2,677	4,144
Public administration	6,616,727	54,046	5,272	4,243	44,531	4,286	6,009	4,188	3,905	2,917	7,814	15,412
2005												
Industry												
Agriculture, forestry, fishing and hunting, and mining	2,383,293	7,595	2,411	2,612	2,572	831	448	141	323	84	-	745
Construction	10,532,912	46,085	11,026	9,362	25,697	4,114	4,891	2,907	1,993	2,104	3,286	6,402
Manufacturing	16,273,893	19,685	3,072	2,249	14,364	1,068	1,445	977	2,455	2,723	1,114	4,582
Wholesale trade	4,829,662	18,163	2,966	1,549	13,648	752	2,060	2,433	1,371	2,266	2,243	2,523
Retail trade	15,864,275	70,369	12,360	9,236	48,773	5,692	4,757	5,870	7,809	5,972	6,504	12,169
Transportation and warehousing, and utilities	6,877,585	32,823	6,107	2,387	24,329	2,183	3,340	3,103	3,154	2,792	3,922	5,835
Information	3,387,849	11,632	1,725	1,007	8,900	649	1,372	1,112	1,592	1,208	1,024	1,943
Finance and insurance, and real estate and rental and leasing	9,905,115	43,416	8,167	5,094	30,155	2,261	3,425	5,443	5,733	1,998	5,560	5,735
Professional, scientific, and management, and administrative and waste management services	13,457,013	54,983	9,479	5,381	40,123	3,419	7,287	5,969	6,069	4,727	4,080	8,572
Educational services, and health care, and social assistance	28,225,662	109,556	15,628	14,117	79,811	7,706	11,169	10,889	11,729	8,494	12,330	17,494
Arts, entertainment, and recreation, and accommodation, and food services	11,555,579	91,093	23,603	14,243	53,247	6,311	4,607	6,794	8,615	8,721	6,468	11,731
Other services, except public administration	6,596,459	28,985	5,980	3,978	19,027	1,251	2,224	2,733	2,806	2,898	2,685	4,430
Public administration	6,569,513	48,346	3,591	4,326	40,429	4,424	5,711	4,616	4,656	3,013	7,832	10,177

Continued on next page

Table B-3. Employment by Industry: 2005 and 2006 -Con

Category	U.S.	Hawaii State	Public Use Microdata Area									
			Maui county, Kalawao county and Kauai county	Hawaii county	Honolulu County	Rural Oahu	Koolau-poko	Makapuu-Manoa Stream	Manoa-Waikiki-Kakaako-Tantalus	Pauoa-Down-town-Kalihi	Moana-lua-Airport-Pearl City	Mililani-Waipahu-Ewa
% of total employment: 2006												
Industry												
Agriculture, forestry, fishing and hunting, and mining	1.8	1.6	2.1	4.7	0.8	1.3	1.5	0.5	0.6	1.8	0.0	0.6
Construction	7.9	8.4	8.9	12.5	7.4	10.6	10.3	7.3	3.7	5.4	7.1	7.4
Manufacturing	11.6	2.8	2.2	2.1	3.0	4.0	2.2	1.1	1.0	4.9	2.9	4.5
Wholesale trade	3.4	3.0	2.6	2.5	3.2	3.1	3.0	2.0	2.4	3.6	4.2	3.7
Retail trade	11.5	11.9	13.7	13.1	11.1	11.7	8.8	11.7	13.0	9.9	12.9	10.3
Transportation and warehousing, and utilities	5.0	5.5	4.3	3.7	6.2	7.2	6.0	5.4	4.8	3.8	8.3	7.0
Information	2.5	2.1	1.4	2.1	2.4	1.9	2.3	3.0	2.6	1.2	1.4	3.2
Finance and insurance, and real estate and rental and leasing	7.2	6.7	5.3	6.5	7.2	3.9	7.2	9.3	7.7	6.9	7.0	7.4
Professional, scientific, and management, and administrative and waste management services	10.1	10.2	9.7	10.0	10.4	8.4	9.9	15.0	11.4	12.6	8.3	8.6
Educational services, and health care, and social assistance	20.8	19.6	16.6	16.4	21.1	23.0	23.6	23.8	21.1	19.7	20.4	18.5
Arts, entertainment, and recreation, and accommodation, and food services	8.6	14.8	23.2	17.0	12.1	12.1	10.6	9.3	18.9	19.4	8.6	9.2
Other services, except public administration	4.8	4.5	5.1	4.4	4.4	3.3	4.2	3.9	5.7	4.6	4.8	4.2
Public administration	4.7	8.9	4.8	4.9	10.8	9.5	10.4	7.8	7.0	6.2	14.1	15.5
% of total employment: 2005												
Industry												
Agriculture, forestry, fishing and hunting, and mining	1.7	1.3	2.3	3.5	0.6	2.0	0.8	0.3	0.6	0.2	0.0	0.8
Construction	7.7	7.9	10.4	12.4	6.4	10.1	9.3	5.5	3.4	4.5	5.8	6.9
Manufacturing	11.9	3.4	2.9	3.0	3.6	2.6	2.7	1.8	4.2	5.8	2.0	5.0
Wholesale trade	3.5	3.1	2.8	2.1	3.4	1.8	3.9	4.6	2.4	4.8	3.9	2.7
Retail trade	11.6	12.1	11.6	12.2	12.2	14.0	9.0	11.1	13.4	12.7	11.4	13.2
Transportation and warehousing, and utilities	5.0	5.6	5.8	3.2	6.1	5.4	6.3	5.9	5.4	5.9	6.9	6.3
Information	2.5	2.0	1.6	1.3	2.2	1.6	2.6	2.1	2.7	2.6	1.8	2.1
Finance and insurance, and real estate and rental and leasing	7.3	7.5	7.7	6.7	7.5	5.6	6.5	10.3	9.8	4.3	9.7	6.2
Professional, scientific, and management, and administrative and waste management services	9.9	9.4	8.9	7.1	10.0	8.4	13.8	11.3	10.4	10.1	7.2	9.3
Educational services, and health care, and social assistance	20.7	18.8	14.7	18.7	19.9	19.0	21.2	20.6	20.1	18.1	21.6	18.9
Arts, entertainment, and recreation, and accommodation, and food services	8.5	15.6	22.2	18.9	13.3	15.5	8.7	12.8	14.8	18.6	11.3	12.7
Other services, except public administration	4.8	5.0	5.6	5.3	4.7	3.1	4.2	5.2	4.8	6.2	4.7	4.8
Public administration	4.8	8.3	3.4	5.7	10.1	10.9	10.8	8.7	8.0	6.4	13.7	11.0

Source: U.S. Census Bureau, American Community Survey (annual), Economic Characteristics.
http://factfinder.census.gov/servlet/DatasetMainPageServlet?_program=ACS&_submenuId=&_lang=en&_ts=>.

Table B-4. Class of Worker: 2005 and 2006

Category	U.S.	Hawaii State	Public Use Microdata Area									
			Maui county, Kalawao county and Kauai county	Hawaii county	Honolulu County	Rural Oahu	Koolau-poko	Makapuu-Manoa Stream	Manoa-Waikiki-Kakaako-Tantalus	Pauoa-Downtown-Kalihi	Moana-lua-Airport-Pearl City	Mililani-Waipahu-Ewa
2006												
Class of Worker												
Private wage and salary workers	111,181,420	439,689	82,172	61,850	295,667	31,329	40,540	37,460	41,754	37,345	37,231	70,008
Government workers	20,363,443	122,726	16,262	14,454	92,010	10,842	12,084	10,913	10,430	7,197	15,103	25,441
Self-employed workers in own not incorporated business	9,629,574	47,044	10,652	10,471	25,921	2,968	4,820	5,364	3,512	2,351	2,968	3,938
Unpaid family workers	326,997	935	182	317	436	103	60	137	61	-	75	-
2005												
Class of Worker												
Private wage and salary workers	106,775,699	408,846	78,526	49,769	280,551	28,129	35,704	36,498	41,538	36,333	37,185	65,164
Government workers	19,921,824	121,868	15,849	13,741	92,278	9,564	12,848	10,872	11,569	7,756	16,253	23,416
Self-employed workers in own not incorporated business	9,444,809	49,816	11,196	11,475	27,145	2,841	4,150	5,312	4,904	2,622	3,610	3,706
Unpaid family workers	316,478	2,201	544	556	1,101	127	34	305	294	289	-	52
% total workers: 2006												
Class of Worker												
Private wage and salary workers	78.6	72.0	75.2	71.0	71.4	69.2	70.5	69.5	74.9	79.6	67.2	70.4
Government workers	14.4	20.1	14.9	16.6	22.2	24.0	21.0	20.3	18.7	15.3	27.3	25.6
Self-employed workers in own not incorporated business	6.8	7.7	9.7	12.0	6.3	6.6	8.4	10.0	6.3	5.0	5.4	4.0
Unpaid family workers	0.2	0.2	0.2	0.4	0.1	0.2	0.1	0.3	0.1	0.0	0.1	0.0
% total workers: 2005												
Class of Worker												
Private wage and salary workers	78.2	70.2	74.0	65.9	69.9	69.2	67.7	68.9	71.2	77.3	65.2	70.6
Government workers	14.6	20.9	14.9	18.2	23.0	23.5	24.4	20.5	19.8	16.5	28.5	25.4
Self-employed workers in own not incorporated business	6.9	8.5	10.6	15.2	6.8	7.0	7.9	10.0	8.4	5.6	6.3	4.0
Unpaid family workers	0.2	0.4	0.5	0.7	0.3	0.3	0.1	0.6	0.5	0.6	0.0	0.1

Source: U.S. Census Bureau, American Community Survey (annual), Economic Characteristics.
http://factfinder.census.gov/servlet/DatasetMainPageServlet?_program=ACS&_submenuId=&_lang=en&_ts=>.

C. Education

Hawaii had a higher percentage of students attended private schools (23.9%) than the national average (16.8%). Koolau-poko and Makapuu-Manoa Stream are the two areas leading the state with more than one third of the students attended private schools. Students in Rural Oahu and the neighbor islands had the least percentage of students attended private schools (Table C-1).

Those residents who were between 25 and 64 years of age and lived in Makapuu-Manoa stream area (PUMA 304) in 2006 were the most educated compared with other areas in the state (Table C-2). 53.5 percent of the people in PUMA 304 held at least a bachelor's degree in 2006. Residents in Rural Oahu had the lowest percentage of people with Bachelor's degree or higher at 19.2 percent in 2006. The share of people with Bachelor's degree or higher in Pauoa-Downtown-Kalihi area (PUMA 305) was similar to that of U.S. in both 2005 and 2006, however, there were fairly large number of people whose educational attainment were less than high school graduate in this area (17.3% in 2005 and 20.2% in 2006).

Figure C-1. Share of students enrolled in public school and private school: 2006

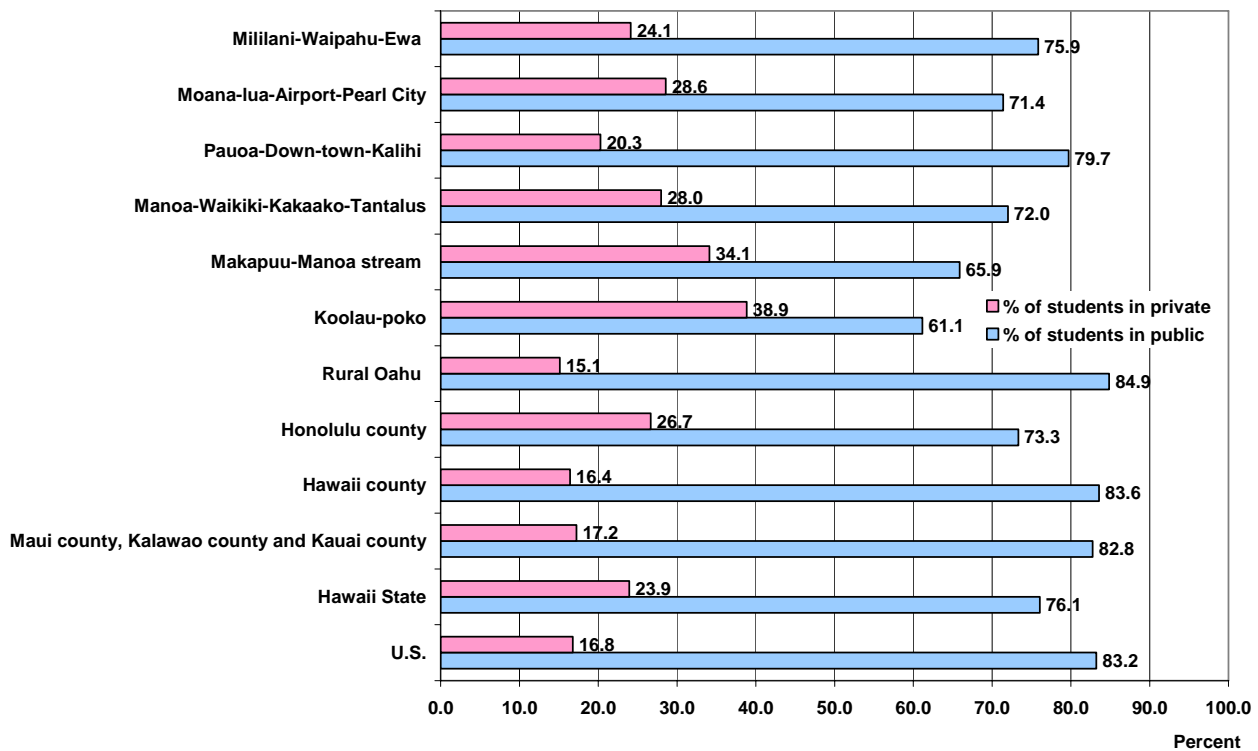


Table C-1. School Enrollment by Type of School by Grade level: 2005 and 2006 (Number of students who are 3 years and over and enrolled in schools)

Category	U.S.	Hawaii State	Public Use Microdata Area										
			Maui county, Kalawao county and Kauai county	Hawaii county	Honolulu county	Rural Oahu	Koolau-poko	Makapuu-Manoa stream	Manoa-Waikiki-Kakaako-Tantalus	Pauoa-Down-town-Kalihi	Moana-lua-Airport-Pearl City	Mililani-Waipahu-Ewa	
2006													
Enrolled in nursery school, preschool:	4,901,007	21,380	2,732	2,402	16,246	2,402	1,847	1,663	1,042	1,701	3,607	3,984	
Public school	2,657,558	7,151	791	910	5,450	1,275	421	706	345	1,102	785	816	
Private school	2,243,449	14,229	1,941	1,492	10,796	1,127	1,426	957	697	599	2,822	3,168	
Enrolled in kindergarten:	4,012,680	15,451	1,876	1,912	11,663	2,268	991	1,506	1,162	805	1,753	3,178	
Public school	3,451,817	11,793	1,562	1,643	8,588	1,886	290	1,138	980	614	1,488	2,192	
Private school	560,863	3,658	314	269	3,075	382	701	368	182	191	265	986	
Enrolled in grade 1 to grade 4:	15,758,734	59,125	9,031	8,012	42,082	6,723	6,227	4,599	2,325	4,612	5,585	12,011	
Public school	13,988,893	50,150	7,927	6,870	35,353	6,413	4,746	3,056	1,718	4,254	4,911	10,255	
Private school	1,769,841	8,975	1,104	1,142	6,729	310	1,481	1,543	607	358	674	1,756	
Enrolled in grade 5 to grade 8:	16,498,217	68,109	12,914	9,679	45,516	7,428	5,053	4,543	3,993	4,530	5,786	14,183	
Public school	14,748,117	54,792	10,896	8,095	35,801	6,774	3,308	2,755	2,833	3,700	4,938	11,493	
Private school	1,750,100	13,317	2,018	1,584	9,715	654	1,745	1,788	1,160	830	848	2,690	
Enrolled in grade 9 to grade 12:	17,500,473	70,901	12,403	10,310	48,188	7,254	6,883	5,846	3,478	5,935	6,136	12,656	
Public school	15,845,223	57,656	11,220	8,851	37,585	6,868	4,477	3,302	2,381	5,202	4,914	10,441	
Private school	1,655,250	13,245	1,183	1,459	10,603	386	2,406	2,544	1,097	733	1,222	2,215	
Enrolled in college undergraduate years:	17,063,732	67,164	5,701	7,505	53,958	4,816	8,029	5,996	9,263	4,175	8,704	12,975	
Public school	13,134,369	50,782	4,953	7,067	38,762	3,274	4,336	5,106	7,028	2,855	6,186	9,977	
Private school	3,929,363	16,382	748	438	15,196	1,542	3,693	890	2,235	1,320	2,518	2,998	
Enrolled in graduate or professional school:	3,387,101	13,743	1,474	1,368	10,901	536	1,443	1,883	1,994	940	1,842	2,263	
Public school	2,024,132	7,900	833	986	6,081	183	1,053	1,092	1,463	365	639	1,286	
Private school	1,362,969	5,843	641	382	4,820	353	390	791	531	575	1,203	977	
Public school share by grade level, %													
Enrolled in nursery school, preschool:	54.2	33.4	29.0	37.9	33.5	53.1	22.8	42.5	33.1	64.8	21.8	20.5	
Enrolled in kindergarten:	86.0	76.3	83.3	85.9	73.6	83.2	29.3	75.6	84.3	76.3	84.9	69.0	
Enrolled in grade 1 to grade 4:	88.8	84.8	87.8	85.7	84.0	95.4	76.2	66.4	73.9	92.2	87.9	85.4	
Enrolled in grade 5 to grade 8:	89.4	80.4	84.4	83.6	78.7	91.2	65.5	60.6	70.9	81.7	85.3	81.0	
Enrolled in grade 9 to grade 12:	90.5	81.3	90.5	85.8	78.0	94.7	65.0	56.5	68.5	87.6	80.1	82.5	
Enrolled in college undergraduate years:	77.0	75.6	86.9	94.2	71.8	68.0	54.0	85.2	75.9	68.4	71.1	76.9	
Enrolled in graduate or professional school:	59.8	57.5	56.5	72.1	55.8	34.1	73.0	58.0	73.4	38.8	34.7	56.8	
% of students in public schools	83.2	76.1	82.8	83.6	73.3	84.9	61.1	65.9	72.0	79.7	71.4	75.9	
% of students in private schools	16.8	23.9	17.2	16.4	26.7	15.1	38.9	34.1	28.0	20.3	28.6	24.1	

Continued on next page.

Table C-1. School Enrollment by Type of School by Grade level: 2005 and 2006 (Number of students who are 3 years and over and enrolled in schools) -Con.

Category	U.S.	Hawaii State	Public Use Microdata Area										
			Mau i county, Kalawao county and Kauai county	Hawaii county	Honolulu county	Rural Oahu	Koolau- poko	Makapuu- Manoa- stream	Manoa- Waikiki- Kakaako- Tantalus	Pauoa- Down- town- Kalihi	Moana- lua- Airport- Pearl City	Mililani- Waipahu- Ewa	
2005													
Enrolled in nursery school, preschool:	4,785,409	21,469	3,470	3,537	14,462	1,664	2,411	2,734	1,717	1,216	1,979	2,741	
Public school	2,541,238	6,087	1,167	1,323	3,597	654	340	387	307	392	470	1,047	
Private school	2,244,171	15,382	2,303	2,214	10,865	1,010	2,071	2,347	1,410	824	1,509	1,694	
Enrolled in kindergarten:	3,964,774	14,402	2,357	1,303	10,742	3,041	1,053	776	382	857	1,506	3,127	
Public school	3,402,719	12,071	2,032	1,171	8,868	2,729	1,035	406	308	764	1,130	2,496	
Private school	562,055	2,331	325	132	1,874	312	18	370	74	93	376	631	
Enrolled in grade 1 to grade 4:	15,558,768	59,871	9,106	9,545	41,220	7,537	6,175	4,488	2,366	3,505	6,141	11,008	
Public school	13,783,250	50,853	6,773	8,733	35,347	7,216	4,962	3,129	2,045	2,875	5,206	9,914	
Private school	1,775,518	9,018	2,333	812	5,873	321	1,213	1,359	321	630	935	1,094	
Enrolled in grade 5 to grade 8:	16,563,002	67,079	11,740	8,758	46,581	9,141	6,727	4,392	2,866	4,679	5,947	12,829	
Public school	14,792,169	54,909	9,547	7,979	37,383	8,334	4,197	2,780	2,145	4,087	4,674	11,166	
Private school	1,770,833	12,170	2,193	779	9,198	807	2,530	1,612	721	592	1,273	1,663	
Enrolled in grade 9 to grade 12:	17,008,891	69,394	12,012	10,454	46,928	7,972	6,201	5,196	4,173	5,766	5,472	12,148	
Public school	15,441,856	56,667	10,484	9,252	36,931	7,289	3,947	2,563	3,092	4,780	4,993	10,267	
Private school	1,567,035	12,727	1,528	1,202	9,997	683	2,254	2,633	1,081	986	479	1,881	
Enrolled in college undergraduate years:	14,581,709	66,994	7,961	7,752	51,281	7,449	5,361	6,188	7,508	5,522	8,880	10,373	
Public school	11,620,950	50,568	7,593	7,084	35,891	4,167	3,850	5,029	5,589	3,886	6,421	6,949	
Private school	2,960,759	16,426	368	668	15,390	3,282	1,511	1,159	1,919	1,636	2,459	3,424	
Enrolled in graduate or professional school:	3,456,882	13,262	966	501	11,795	263	1,200	1,273	3,871	1,138	2,392	1,658	
Public school	2,084,456	8,525	593	326	7,606	13	545	1,019	3,040	795	1,281	913	
Private school	1,372,426	4,737	373	175	4,189	250	655	254	831	343	1,111	745	
Public school share by grade level, %													
Enrolled in nursery school, preschool:	53.1	28.4	33.6	37.4	24.9	39.3	14.1	14.2	17.9	32.2	23.7	38.2	
Enrolled in kindergarten:	85.8	83.8	86.2	89.9	82.6	89.7	98.3	52.3	80.6	89.1	75.0	79.8	
Enrolled in grade 1 to grade 4:	88.6	84.9	74.4	91.5	85.8	95.7	80.4	69.7	86.4	82.0	84.8	90.1	
Enrolled in grade 5 to grade 8:	89.3	81.9	81.3	91.1	80.3	91.2	62.4	63.3	74.8	87.3	78.6	87.0	
Enrolled in grade 9 to grade 12:	90.8	81.7	87.3	88.5	78.7	91.4	63.7	49.3	74.1	82.9	91.2	84.5	
Enrolled in college undergraduate years:	79.7	75.5	95.4	91.4	70.0	55.9	71.8	81.3	74.4	70.4	72.3	67.0	
Enrolled in graduate or professional school:	60.3	64.3	61.4	65.1	64.5	4.9	45.4	80.0	78.5	69.9	53.6	55.1	
% of students in public schools	83.9	76.7	80.2	85.7	74.3	82.0	64.8	61.1	72.2	77.5	74.8	79.3	
% of students in private schools	16.1	23.3	19.8	14.3	25.7	18.0	35.2	38.9	27.8	22.5	25.2	20.7	

Source: U.S. Census Bureau, American Community Survey (annual), Detailed Tables
http://factfinder.census.gov/servlet/DatasetMainPageServlet?_program=ACS&_submenuId=&_lang=en&_ts=>.

Table C-2. Education Attainment by Employment Status for the Population 25 to 64 years: 2005 and 2006

Category	U.S.	Hawaii State	Public Use Microdata Area									
			Maui county, Kalawao county and Kauai county	Hawaii county	Honolulu county	Rural Oahu	Koolau-poko	Makapuu-Manoa stream	Manoa-Waikiki-Kakaako-Tantalus	Pauoa-Down-town-Kalihi	Moana-lua-Airport-Pearl City	Mililani-Waipahu-Ewa
2006												
Less than high school graduate:	21,118,839	48,261	9,085	5,257	33,919	5,674	2,287	1,782	3,405	11,333	3,962	5,476
In Armed Forces	3,950	293	0	0	293	0	76	0	0	0	169	48
Civilian employed	11,597,582	26,918	6,286	3,351	17,281	2,133	1,496	674	2,386	6,038	1,914	2,640
Civilian unemployed	1,236,760	2,372	65	558	1,749	159	65	147	178	536	133	531
Not in labor force	8,280,547	18,678	2,734	1,348	14,596	3,382	650	961	841	4,759	1,746	2,257
High school graduate:	46,308,883	193,168	36,334	29,747	127,087	23,384	15,832	9,854	12,434	16,342	17,165	32,076
In Armed Forces	102,332	3,748	56	0	3,692	1,030	398	0	0	0	1,564	700
Civilian employed	32,454,832	136,023	27,077	22,350	86,596	16,024	10,865	7,312	9,268	10,552	10,761	21,814
Civilian unemployed	2,117,004	6,913	1,103	516	5,294	1,418	971	164	372	1,081	231	1,057
Not in labor force	11,634,715	46,484	8,098	6,881	31,505	4,912	3,598	2,378	2,794	4,709	4,609	8,505
Some college or associate's degree:	45,378,789	223,637	38,572	30,984	154,081	16,669	21,735	15,604	16,451	13,254	25,439	44,929
In Armed Forces	271,189	9,149	0	0	9,149	953	1,248	45	531	211	3,376	2,785
Civilian employed	34,519,029	167,516	32,307	23,748	111,461	11,512	15,475	11,981	12,290	10,175	17,060	32,968
Civilian unemployed	1,686,748	6,027	637	1,153	4,237	602	554	559	286	466	701	1,069
Not in labor force	8,901,823	40,945	5,628	6,083	29,234	3,602	4,458	3,019	3,344	2,402	4,302	8,107
Bachelor's degree or higher:	45,935,309	218,941	30,403	26,488	162,050	10,862	23,296	31,343	25,588	15,210	21,929	33,822
In Armed Forces	210,321	7,745	0	0	7,745	1,032	1,315	117	240	57	2,156	2,828
Civilian employed	37,856,039	177,508	26,432	21,024	130,052	8,586	18,401	25,859	21,697	12,777	15,722	27,010
Civilian unemployed	1,034,967	3,298	131	602	2,565	137	292	110	674	636	318	398
Not in labor force	6,833,982	30,390	3,840	4,862	21,688	1,107	3,288	5,257	2,977	1,740	3,733	3,586
2005												
Less than high school graduate:	20,217,617	52,948	9,494	6,590	36,864	5,321	2,289	2,196	4,138	9,373	4,559	8,988
In Armed Forces	3,307	0	0	0	0	0	0	0	0	0	0	0
Civilian employed	11,328,522	31,379	7,117	3,767	20,495	2,178	1,063	1,201	1,880	5,858	2,806	5,509
Civilian unemployed	1,365,564	1,143	197	0	946	293	127	0	229	52	133	112
Not in labor force	7,520,224	20,426	2,180	2,823	15,423	2,850	1,099	995	2,029	3,463	1,620	3,367
High school graduate:	44,003,637	193,161	36,514	29,803	126,844	20,797	16,220	10,950	14,682	15,478	19,309	29,408
In Armed Forces	95,147	2,826	0	0	2,826	850	599	56	188	0	644	489
Civilian employed	30,882,226	137,120	28,134	21,225	87,761	14,253	11,688	6,620	10,150	10,558	12,788	21,704
Civilian unemployed	2,174,557	5,902	1,256	1,055	3,591	525	413	336	483	99	524	1,211
Not in labor force	10,851,707	47,313	7,124	7,523	32,666	5,169	3,520	3,938	3,861	4,821	5,353	6,004
Some college or associate's degree:	44,996,764	213,781	37,154	27,182	149,445	16,103	19,503	14,987	19,819	14,419	26,043	38,571
In Armed Forces	255,439	7,283	219	25	7,039	775	616	0	277	157	2,619	2,595
Civilian employed	33,984,600	156,998	30,438	19,508	107,052	10,203	14,200	11,459	15,703	10,888	17,509	27,090
Civilian unemployed	1,818,929	5,527	1,145	597	3,785	636	681	106	917	169	452	824
Not in labor force	8,937,796	43,973	5,352	7,052	31,569	4,489	4,006	3,422	2,922	3,205	5,463	8,062
Bachelor's degree or higher:	44,972,214	200,132	27,267	21,906	150,959	8,147	21,240	27,910	27,727	15,038	21,020	29,877
In Armed Forces	216,882	6,826	73	0	6,753	491	1,332	137	240	261	1,997	2,295
Civilian employed	36,695,614	157,923	22,870	16,931	118,122	5,902	16,954	23,876	21,537	11,827	15,027	22,999
Civilian unemployed	1,101,373	4,291	657	431	3,203	478	443	334	649	310	461	528
Not in labor force	6,958,345	31,092	3,667	4,544	22,881	1,276	2,511	3,563	5,301	2,640	3,535	4,055

Continued on next page.

Table C-2. Education Attainment by Employment Status for the Population 25 to 64 years: 2005 and 2006 -Con.

Category	U.S.	Hawaii State	Public Use Microdata Area										
			Maui county, Kalawao county and Kauai county	Hawaii county	Honolulu county	Rural Oahu	Koolau-poko	Makapuu-Manoa stream	Manoa-Waikiki-Kakaako-Tantalus	Pauoa-Down-town-Kalihi	Moana-lua-Airport-Pearl City	Mililani-Waipahu-Ewa	
% of total population 25-64 yrs: 2006													
Less than high school graduate:	13.3	7.1	7.9	5.7	7.1	10.0	3.6	3.0	5.9	20.2	5.8	4.7	
In Armed Forces	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.2	0.0	
Civilian employed	7.3	3.9	5.5	3.6	3.6	3.8	2.4	1.2	4.1	10.8	2.8	2.3	
Civilian unemployed	0.8	0.3	0.1	0.6	0.4	0.3	0.1	0.3	0.3	1.0	0.2	0.5	
Not in labor force	5.2	2.7	2.4	1.5	3.1	6.0	1.0	1.6	1.5	8.5	2.5	1.9	
High school graduate:	29.2	28.2	31.8	32.2	26.6	41.3	25.1	16.8	21.5	29.1	25.1	27.6	
In Armed Forces	0.1	0.5	0.0	0.0	0.8	1.8	0.6	0.0	0.0	0.0	2.3	0.6	
Civilian employed	20.4	19.9	23.7	24.2	18.1	28.3	17.2	12.5	16.0	18.8	15.7	18.8	
Civilian unemployed	1.3	1.0	1.0	0.6	1.1	2.5	1.5	0.3	0.6	1.9	0.3	0.9	
Not in labor force	7.3	6.8	7.1	7.4	6.6	8.7	5.7	4.1	4.8	8.4	6.7	7.3	
Some college or associate's degree:	28.6	32.7	33.7	33.5	32.3	29.5	34.4	26.6	28.4	23.6	37.1	38.6	
In Armed Forces	0.2	1.3	0.0	0.0	1.9	1.7	2.0	0.1	0.9	0.4	4.9	2.4	
Civilian employed	21.7	24.5	28.2	25.7	23.4	20.3	24.5	20.5	21.2	18.1	24.9	28.3	
Civilian unemployed	1.1	0.9	0.6	1.2	0.9	1.1	0.9	1.0	0.5	0.8	1.0	0.9	
Not in labor force	5.6	6.0	4.9	6.6	6.1	6.4	7.1	5.2	5.8	4.3	6.3	7.0	
Bachelor's degree or higher:	28.9	32.0	26.6	28.6	34.0	19.2	36.9	53.5	44.2	27.1	32.0	29.1	
In Armed Forces	0.1	1.1	0.0	0.0	1.6	1.8	2.1	0.2	0.4	0.1	3.1	2.4	
Civilian employed	23.8	26.0	23.1	22.7	27.3	15.2	29.1	44.1	37.5	22.8	23.0	23.2	
Civilian unemployed	0.7	0.5	0.1	0.7	0.5	0.2	0.5	0.2	1.2	1.1	0.5	0.3	
Not in labor force	4.3	4.4	3.4	5.3	4.5	2.0	5.2	9.0	5.1	3.1	5.5	3.1	
% of total population 25-64 yrs: 2005													
Less than high school graduate:	13.1	8.0	8.6	7.7	7.9	10.6	3.9	3.9	6.2	17.3	6.4	8.4	
In Armed Forces	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Civilian employed	7.3	4.8	6.4	4.4	4.4	4.3	1.8	2.1	2.8	10.8	4.0	5.2	
Civilian unemployed	0.9	0.2	0.2	0.0	0.2	0.6	0.2	0.0	0.3	0.1	0.2	0.1	
Not in labor force	4.9	3.1	2.0	3.3	3.3	5.7	1.9	1.8	3.1	6.4	2.3	3.2	
High school graduate:	28.5	29.3	33.1	34.9	27.3	41.3	27.4	19.5	22.1	28.5	27.2	27.5	
In Armed Forces	0.1	0.4	0.0	0.0	0.6	1.7	1.0	0.1	0.3	0.0	0.9	0.5	
Civilian employed	20.0	20.8	25.5	24.8	18.9	28.3	19.7	11.8	15.3	19.4	18.0	20.3	
Civilian unemployed	1.4	0.9	1.1	1.2	0.8	1.0	0.7	0.6	0.7	0.2	0.7	1.1	
Not in labor force	7.0	7.2	6.5	8.8	7.0	10.3	5.9	7.0	5.8	8.9	7.5	5.6	
Some college or associate's degree:	29.2	32.4	33.6	31.8	32.2	32.0	32.9	26.7	29.9	26.6	36.7	36.1	
In Armed Forces	0.2	1.1	0.2	0.0	1.5	1.5	1.0	0.0	0.4	0.3	3.7	2.4	
Civilian employed	22.0	23.8	27.6	22.8	23.1	20.3	24.0	20.4	23.7	20.0	24.7	25.4	
Civilian unemployed	1.2	0.8	1.0	0.7	0.8	1.3	1.1	0.2	1.4	0.3	0.6	0.8	
Not in labor force	5.8	6.7	4.8	8.2	6.8	8.9	6.8	6.1	4.4	5.9	7.7	7.5	
Bachelor's degree or higher:	29.2	30.3	24.7	25.6	32.5	16.2	35.8	49.8	41.8	27.7	29.6	28.0	
In Armed Forces	0.1	1.0	0.1	0.0	1.5	1.0	2.2	0.2	0.4	0.5	2.8	2.1	
Civilian employed	23.8	23.9	20.7	19.8	25.5	11.7	28.6	42.6	32.5	21.8	21.2	21.5	
Civilian unemployed	0.7	0.7	0.6	0.5	0.7	0.9	0.7	0.6	1.0	0.6	0.6	0.5	
Not in labor force	4.5	4.7	3.3	5.3	4.9	2.5	4.2	6.4	8.0	4.9	5.0	3.8	

Source: U.S. Census Bureau, American Community Survey (annual), Detailed Tables
http://factfinder.census.gov/servlet/DatasetMainPageServlet?_program=ACS&_submenuid=&_lang=en&_ts=>

Table C-3. Characteristics of Public School Students: 2004-05 to 2006-07

	Dropout rate % (4-year rate)				Graduate On-Time %				Free & Reduced-Cost Lunch Program %			
	2004- 2005	2005- 2006	2006- 2007	06-07 Rank	2004- 2005	2005- 2006	2006- 2007	06-07 Rank	2004- 2005	2005- 2006	2006- 2007	06-07 Rank
Baldwin Complex	12.0	14.2	13.1	21	85.5	83.9	85.0	17	30.5	30.0	28.5	34
Maui Complex	13.9	15.5	19.1	9	81.4	82.0	78.8	30	40.3	37.5	34.5	28
Kekaulike Complex	15.1	20.5	16.9	13	83.0	78.0	78.7	31	41.1	37.9	34.0	29
Hana Complex	0.0	12.0	14.7	16	96.2	80.0	76.5	34	64.6	63.5	59.9	7
Lahainaluna Complex	10.3	12.1	17.6	12	88.0	84.7	79.4	29	27.9	30.1	27.7	36
Lanai Complex	2.4	2.5	0.0	42	90.5	95.0	97.8	1	26.1	21.9	24.0	38
Molokai Complex	9.3	15.5	10.1	29	87.6	84.5	88.8	10	58.1	64.6	59.6	8
Kapaa Complex	8.7	8.4	11.5	25	84.0	88.7	80.6	28	45.3	40.9	39.0	22
Kauai Complex	12.6	13.4	10.5	28	85.7	83.4	86.2	15	31.3	32.5	31.7	30
Waimea Complex	5.1	5.8	10.8	26	92.3	92.1	84.3	19	45.6	42.3	39.6	21
Hilo Complex	15.6	10.9	13.6	19	79.1	77.6	81.5	26	57.0	53.1	51.2	12
Laupahoehoe Complex	0.0	0.0	6.7	38	100.0	100.0	93.3	3	63.7	56.0	53.7	10
Waiakea Complex	2.3	4.0	8.4	32	93.4	89.5	90.0	9	43.9	41.0	38.5	24
Kau Complex	9.5	9.6	2.4	41	85.7	84.6	90.5	8	67.7	66.5	61.3	6
Keaau Complex	19.0	13.0	12.4	22	76.2	82.0	81.8	24	72.6	69.7	66.9	2
Pahoa Complex	5.7	7.8	10.6	27	91.5	85.3	85.9	16	76.6	72.3	71.0	1
Honokaa Complex	8.3	4.3	8.7	30	86.5	89.7	84.3	19	46.6	44.5	41.1	20
Kealakehe Complex	19.9	15.0	18.9	10	76.8	75.1	70.4	40	45.6	37.9	38.3	25
Kohala Complex	1.6	7.3	5.0	39	92.1	87.3	95.0	2	48.1	48.7	43.7	19
Konawaena Complex	12.4	12.6	14.9	15	77.5	74.2	77.0	32	52.4	49.1	46.6	18
Leilehua Complex	12.6	10.3	13.8	17	85.0	87.5	82.3	23	49.0	47.7	48.2	17
Waialua Complex	8.9	11.8	13.4	20	87.8	85.0	86.6	14	55.1	52.0	51.6	11
Kahuku Complex	5.7	9.4	8.2	33	89.1	86.2	88.7	11	51.5	51.0	49.1	14
Nanakuli Complex	26.6	22.0	31.1	1	66.5	74.8	65.0	42	75.7	65.1	65.0	5
Waianae Complex	29.2	31.6	27.1	2	62.1	60.9	67.1	41	72.0	70.0	66.1	3
Kalaheo Complex	15.2	10.6	18.2	11	80.5	86.2	80.8	27	30.0	30.9	29.9	31
Castle Complex	14.7	13.2	19.3	8	80.4	81.9	77.0	32	36.4	37.1	37.1	26
Kailua Complex	20.1	17.5	19.4	7	74.2	79.5	72.6	36	48.7	46.9	49.1	14
Kaiser Complex	7.9	8.8	16.7	14	90.1	91.2	83.3	22	10.1	10.3	10.9	42
Kalani Complex	4.3	6.1	7.1	37	89.2	90.8	92.5	4	15.5	15.4	16.0	40
Kaimuki Complex	19.3	18.7	22.7	5	68.2	76.8	70.9	39	53.9	50.8	48.9	16
Roosevelt Complex	16.5	14.3	8.0	35	82.3	80.1	87.0	13	28.9	29.2	28.9	33
McKinley Complex	26.5	23.7	25.5	3	71.9	73.4	71.3	38	61.0	62.2	59.1	9
Farrington Complex	22.6	20.9	19.7	6	70.6	72.3	74.2	35	68.4	66.7	66.1	3
Moanalua Complex	5.1	5.6	4.7	40	91.2	93.4	92.3	5	19.5	20.4	20.4	39
Radford Complex	5.8	8.6	8.2	33	93.6	90.7	90.6	7	28.7	29.7	27.3	37
Aiea Complex	14.8	8.4	8.5	31	83.9	91.2	88.6	12	39.6	36.7	34.8	27
Pearl City Complex	7.5	11.2	11.7	24	89.2	84.3	84.3	19	27.2	27.7	28.4	35
Waipahu Complex	20.5	20.5	23.4	4	75.1	74.4	71.9	37	56.8	50.5	50.9	13
Mililani Complex	5.1	6.0	7.3	36	93.5	92.7	91.6	6	14.9	14.8	13.3	41
Campbell Complex	10.6	12.4	13.8	17	82.3	85.3	81.6	25	42.4	39.1	38.8	23
Kapolei Complex	3.5	6.5	12.4	22	91.0	87.2	84.8	18	30.5	28.0	29.2	32

Source: Hawaii State Department of Education, Trend Report: Educational and Fiscal Accountability, Preliminary 2007, <<http://arch.k12.hi.us/school/trends/trends.html#>>>

Table C-4. Percent of 10th Graders with SAT Scores on or Above Average: 2004-05 to 2005-06

	SAT 10th graders reading score average & above			SAT 10th graders math score average & above		
	2004-2005	2005-2006	05-06 Rank	2004-2005	2005-2006	05-06 Rank
Baldwin Complex	66.2	64.7	19	68.1	62.3	24
Maui Complex	58.6	58.0	31	67.5	52.7	38
Kekaulike Complex	67.6	66.4	14	63.0	60.8	29
Hana Complex	48.7	76.2	6	51.4	57.1	35
Lahainaluna Complex	54.7	61.4	27	56.8	63.0	23
Lanai Complex	46.3	56.0	33	51.9	74.0	9
Molokai Complex	56.3	57.9	32	61.8	61.9	27
Kapaa Complex	72.8	62.3	26	72.5	58.2	34
Kauai Complex	71.2	67.6	11	74.5	74.7	8
Waimea Complex	51.7	47.7	39	52.6	58.3	33
Hilo Complex	56.1	58.9	30	68.6	62.2	26
Laupahoehoe Complex	42.3	64.3	21	48.0	57.1	35
Waiakea Complex	69.2	68.9	10	66.1	66.2	20
Kau Complex	50.0	51.6	35	54.0	43.8	42
Keaau Complex	44.7	44.3	41	56.9	58.9	31
Pahoa Complex	58.6	60.7	29	75.7	50.5	40
Honokaa Complex	55.6	63.7	23	59.9	58.7	32
Kealakehe Complex	62.5	66.4	14	67.5	70.1	16
Kohala Complex	63.1	64.9	18	69.7	71.4	13
Konawaena Complex	60.6	62.4	25	56.6	62.3	24
Leilehua Complex	60.9	63.7	23	65.8	63.9	22
Waialua Complex	57.5	65.4	17	65.7	69.8	17
Kahuku Complex	70.6	78.6	2	68.2	72.5	11
Nanakuli Complex	46.0	39.4	42	52.1	50.6	39
Waianae Complex	49.0	45.8	40	51.3	48.7	41
Kalaheo Complex	72.1	76.2	6	71.1	73.6	10
Castle Complex	64.7	66.5	13	73.0	71.4	13
Kailua Complex	72.3	64.5	20	80.3	68.6	18
Kaiser Complex	82.2	78.6	2	80.1	75.4	7
Kalani Complex	84.4	83.5	1	85.3	87.8	1
Kaimuki Complex	51.7	50.2	37	62.5	61.5	28
Roosevelt Complex	75.8	78.0	4	78.0	85.4	2
McKinley Complex	64.5	64.0	22	80.1	78.5	5
Farrington Complex	52.7	50.3	36	56.4	59.1	30
Moanalua Complex	75.4	73.1	8	79.7	78.6	4
Radford Complex	70.1	71.2	9	78.4	71.9	12
Aiea Complex	59.6	54.0	34	75.3	70.2	15
Pearl City Complex	71.5	67.1	12	75.4	77.5	6
Waipahu Complex	49.8	48.0	38	54.8	53.9	37
Mililani Complex	81.9	77.2	5	80.5	83.7	3
Campbell Complex	59.4	61.2	28	55.7	65.0	21
Kapolei Complex	68.4	66.4	14	73.0	67.1	19

Source: Hawaii State Department of Education, Trend Report: Educational and Fiscal Accountability, Preliminary 2007, <<http://arch.k12.hi.us/school/trends/trends.html#>>.

D. Housing

Homeownership was much higher in Makapuu-Manoa stream (PUMA 303) and Mililani-Waipahu-Ewa (PUMA 307). Over 70% of occupied housing units were owner occupied in these areas (Table D-1). Households in Manoa-Waikiki-Kakaako-Tantalus (PUMA 304) and Pauoa-Downtown-Kalihi (PUMA 305) reported lower rate of vehicle ownership, especially with 3 or more vehicles (Table D-1). These areas are the most convenient area to access to shopping centers, school and businesses on Oahu, and these areas are the most crowded areas with limited parking spaces.

More studio units (13.4%) and one bedroom units (38.7%) in condominium/apartment in PUMA 304, Manoa-Waikiki-Kakaako-Tantalus, (Table D-1), and therefore, the monthly gross rent in this area was relatively lower (Table D-3). PUMA 304 was highly dominated by apartments /condominiums rather than single family homes. Nearly 62 percent of structures had 20 or more units in PUMA 304 while single family home is more common type of structure in suburb and rural area in Hawaii. Mobile homes were rarely situated in any areas in Hawaii while almost 7 percent of mobile homes in the U.S. in 2005 and 2006 (Table D-1).

Reflecting the higher housing price, Hawaii homeowners paid higher cost for their homes than the U.S. average. In 2006, 48.1 percent of the homeowners in Hawaii paid a monthly fee of \$2,000 or more, as compared with 25.7 percent for the U.S. Homeowner cost on the Big Island was less than other islands in the state, with 28.8 percent of the homeowners paid \$2,000 or more monthly payment (Table D-2). Monthly owner costs include mortgage payments, deeds of trust, contracts to purchase, or similar debts on the property, property taxes, fire, hazard and flood insurance, utilities and fuels, the monthly maintenance fee for condominiums and mobile home costs. High mortgage payments probably were the cause of high monthly owner costs in Hawaii.

Median monthly owner cost in Hawaii was \$1,959 in 2006, as compared with \$1,402 for the U.S. Median homeowner cost in PUMA 303 (Makapuu-Manoa Stream) was \$2,743 per month in 2006, the highest in the state while median homeowner cost on the Big Island was the lowest in the state at \$1,489 per month (Table D-2).

Median monthly rent in Hawaii was \$1,116 in 2006, 46.3% higher than that of the U.S. Renters in PUMA 303 (Makapuu-Manoa Stream) paid the highest rent at \$1,526 per month median rent in 2006 while Pauoa-Downtown-Kalihi renter paid the lowest rent at a median of \$811 per month (Table D-3).

Table D-1. Housing Characteristics: 2005 and 2006 (% of total housing units)

Category	U.S.	Hawaii State	Public Use Microdata Area									
			Maui county, Kalawao county and Kauai county	Hawaii county	Honolulu county	Rural Oahu	Koolau-poko	Makapuu-Manoa stream	Manoa-Waikiki-Kakaako-Tantalus	Pauoa-Down-town-Kalihi	Moana-lua-Airport-Pearl City	Mililani-Waipahu-Ewa
UNITS IN STRUCTURE												
2006												
1-unit, detached	61.4	53.7	61.3	76.0	46.5	56.8	66.0	69.5	13.1	34.4	44.8	56.7
1-unit, attached	5.7	6.8	6.3	3.1	7.8	10.4	12.0	7.5	1.7	9.4	12.7	6.1
2 units	4.0	2.9	3.4	2.7	2.9	6.2	2.0	2.1	0.9	4.7	4.2	2.2
3 or 4 units	4.6	5.2	2.9	4.8	5.9	4.8	5.2	5.1	5.4	3.9	5.7	9.2
5 to 9 units	4.9	6.4	5.7	4.3	7.0	6.1	4.1	3.2	5.8	5.7	5.4	14.6
10 to 19 units	4.5	4.9	5.7	2.5	5.2	4.0	1.8	1.0	10.9	6.7	3.2	5.4
20 or more units	7.9	19.9	14.7	6.3	24.4	11.4	8.8	11.7	62.2	34.6	23.8	5.6
Mobile home	6.9	0.2	0.0	0.2	0.2	0.3	0.0	0.0	0.1	0.6	0.1	0.3
Boat, RV, van, etc.	0.1	0.0	0.0	0.1	0.1	0.0	0.1	0.0	0.1	0.0	0.1	0.0
2005												
1-unit, detached	61.1	53.5	61.2	76.1	46.5	55.6	71.7	69.8	11.2	32.5	44.8	59.5
1-unit, attached	5.7	6.0	4.7	2.1	7.2	8.9	8.3	8.2	1.7	9.7	10.6	6.8
2 units	4.0	2.8	2.8	2.9	2.9	4.5	1.8	3.1	2.4	4.1	1.5	3.2
3 or 4 units	4.6	4.8	3.5	3.8	5.4	10.0	4.3	2.7	3.3	3.5	7.1	7.4
5 to 9 units	5.0	7.0	7.0	4.2	7.6	5.4	4.9	3.0	8.2	7.6	7.8	12.6
10 to 19 units	4.5	5.4	5.1	2.7	6.1	5.4	2.3	2.9	11.0	7.6	5.0	5.5
20 or more units	8.0	20.1	15.7	7.6	24.0	10.1	6.3	10.3	61.8	34.4	22.6	5.1
Mobile home	7.0	0.2	0.1	0.7	0.1	0.0	0.4	0.0	0.1	0.2	0.1	0.0
Boat, RV, van, etc.	0.1	0.1	0.0	0.1	0.2	0.0	0.0	0.0	0.3	0.5	0.4	0.0
BEDROOMS												
2006												
No bedroom	1.3	4.6	3.7	4.6	4.8	3.4	1.4	2.6	13.4	5.9	2.5	1.6
1 bedroom	11.8	14.5	14.9	12.0	15.0	8.4	6.7	6.6	38.7	23.1	7.9	5.6
2 bedrooms	27.8	27.6	29.5	25.7	27.5	26.3	17.2	19.5	34.9	32.0	31.5	26.2
3 bedrooms	39.8	35.3	39.3	42.6	32.5	39.0	43.6	39.4	8.1	19.8	38.9	45.0
4 bedrooms	15.5	12.8	8.2	11.7	14.3	16.3	22.9	20.5	2.7	10.1	15.8	17.0
5 or more bedrooms	3.9	5.3	4.4	3.4	5.9	6.5	8.2	11.5	2.2	9.1	3.4	4.6
2005												
No bedroom	1.3	5.1	4.6	7.4	4.8	3.8	1.4	1.2	13.1	6.8	2.6	1.2
1 bedroom	12.0	15.3	18.3	7.8	16.1	13.7	4.2	8.6	39.5	23.8	9.7	4.6
2 bedrooms	28.2	26.6	27.8	23.5	27.0	22.6	15.0	21.2	33.7	32.2	31.2	26.4
3 bedrooms	39.7	34.3	35.5	46.0	31.4	38.1	49.8	38.1	8.4	18.9	34.1	42.9
4 bedrooms	15.2	12.5	9.7	10.0	13.8	14.6	21.3	21.2	2.3	8.5	15.0	18.6
5 or more bedrooms	3.7	6.2	4.0	5.3	6.9	7.3	8.3	9.7	3.0	9.8	7.4	6.2

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Table D-1. Housing Characteristics: 2005 and 2006 (% of total housing units) -Con.

Category	U.S.	Hawaii State	Public Use Microdata Area									
			Maui county, Kalawao county and Kauai county	Hawaii county	Honolulu county	Rural Oahu	Koolau-poko	Makapuu-Manoa stream	Manoa-Waikiki-Kakaako-Tantalus	Pauoa-Down-town-Kalihi	Moana-lua-Airport-Pearl City	Mililani-Waipahu-Ewa
YEAR STRUCTURE BUILT												
2006												
Built 2005 or later	1.8	1.4	1.9	1.6	1.2	0.8	0.1	1.5	0.3	0.0	1.8	2.8
Built 2000 to 2004	8.6	6.3	8.5	8.4	5.2	2.8	2.7	3.7	1.2	2.0	4.7	14.7
Built 1990 to 1999	14.3	14.5	19.2	22.3	11.5	8.8	6.5	8.4	6.3	8.3	7.7	26.8
Built 1980 to 1989	14.5	15.2	20.6	22.2	12.1	12.2	11.3	8.5	8.0	12.4	13.0	17.9
Built 1970 to 1979	16.8	26.7	28.7	23.1	27.0	26.4	22.3	22.2	38.0	24.6	31.6	20.0
Built 1960 to 1969	11.7	15.9	8.0	8.0	19.8	19.7	25.1	18.9	23.7	21.5	22.4	10.9
Built 1950 to 1959	11.6	10.3	5.6	4.6	12.9	13.9	22.4	20.7	12.2	12.9	12.7	3.1
Built 1940 to 1949	6.0	4.8	3.0	3.2	5.7	8.0	6.4	7.3	4.9	10.7	4.5	2.2
Built 1939 or earlier	14.6	4.9	4.5	6.6	4.6	7.5	3.1	8.7	5.4	7.7	1.7	1.4
2005												
Built 2005 or later	0.5	0.4	0.4	0.3	0.4	0.6	0.0	0.9	0.1	0.2	0.2	0.7
Built 2000 to 2004	7.9	5.0	5.8	5.0	4.8	1.2	2.0	3.9	2.7	3.1	3.0	13.7
Built 1990 to 1999	14.7	14.8	19.5	21.8	11.9	11.0	6.7	9.1	8.3	5.5	7.9	28.4
Built 1980 to 1989	14.9	16.6	25.1	26.8	12.1	13.1	16.4	8.3	8.9	11.2	11.6	15.7
Built 1970 to 1979	17.3	26.4	27.0	20.8	27.5	33.5	18.1	22.7	33.1	22.4	36.9	22.6
Built 1960 to 1969	12.0	17.6	8.8	8.9	22.0	14.0	29.2	20.6	29.1	21.9	24.9	12.9
Built 1950 to 1959	11.8	10.5	6.8	4.9	12.8	13.8	21.4	16.6	9.5	20.5	11.6	4.3
Built 1940 to 1949	6.3	4.7	2.0	4.5	5.5	6.9	4.6	10.8	5.4	9.7	2.9	1.4
Built 1939 or earlier	14.7	4.0	4.7	6.9	3.1	5.8	1.7	7.1	2.8	5.6	1.2	0.4
YEAR HOUSEHOLDER MOVED INTO												
2006												
Moved in 2005 or later	21.5	21.0	21.4	17.6	21.7	20.0	17.4	14.4	26.7	15.9	28.3	23.7
Moved in 2000 to 2004	31.1	29.4	31.4	32.2	28.4	28.5	24.2	24.6	32.7	28.3	23.3	33.0
Moved in 1990 to 1999	24.1	21.4	23.2	23.0	20.6	23.8	20.9	19.7	19.6	22.5	14.3	23.7
Moved in 1980 to 1989	10.4	10.7	10.0	13.2	10.4	10.6	13.8	12.6	8.0	10.9	9.3	9.4
Moved in 1970 to 1979	6.8	8.2	6.7	7.2	8.8	9.2	9.9	12.3	5.6	9.7	10.9	6.4
Moved in 1969 or earlier	6.1	9.2	7.4	6.8	10.1	8.0	13.8	16.5	7.5	12.8	13.7	3.8
2005												
Moved in 2000 or later	48.8	46.6	48.2	45.0	46.5	51.1	36.0	35.5	55.6	44.7	45.4	50.9
Moved in 1995 to 1999	16.7	13.0	12.5	14.6	12.8	14.1	12.7	12.0	13.2	10.5	10.5	15.4
Moved in 1990 to 1994	9.8	9.2	10.1	12.1	8.5	7.5	10.5	9.2	7.7	7.7	6.8	9.8
Moved in 1980 to 1989	11.0	12.8	13.8	12.6	12.6	13.4	14.9	13.6	11.5	14.0	11.8	11.0
Moved in 1970 to 1979	7.3	9.2	7.2	9.3	9.6	7.0	10.2	11.6	8.3	10.1	11.9	8.3
Moved in 1969 or earlier	6.5	9.2	8.1	6.4	10.0	6.9	15.7	18.1	3.7	13.0	13.7	4.5

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Table D-1. Housing Characteristics: 2005 and 2006 -Con.

Category	U.S.	Hawaii State	Public Use Microdata Area									
			Maui county, Kalawao county and Kauai county	Hawaii county	Honolulu county	Rural Oahu	Koolau-poko	Makapuu-Manoa stream	Manoa-Waikiki-Kakaako-Tantalus	Pauoa-Down-town-Kalihi	Moana-lua-Airport-Pearl City	Mililani-Waipahu-Ewa
HOUSING OCCUPANCY												
2006												
Occupied housing units (% of total units)	88.4	86.5	76.2	84.0	89.9	85.5	94.7	92.3	79.7	93.2	91.1	95.4
Owner-occupied (% of occupied units)	67.3	59.5	60.9	65.0	58.1	53.9	68.5	74.3	38.2	47.4	52.5	70.1
Renter-occupied (% of occupied units)	32.7	40.5	39.1	35.0	41.9	46.1	31.5	25.7	61.8	52.6	47.5	29.9
Vacant housing units (% of total units)	11.6	13.5	23.8	16.0	10.1	14.5	5.3	7.7	20.3	6.8	8.9	4.6
Homeowner vacancy rate (% of owner-occupied)	2.2	1.1	1.9	1.0	0.9	0.1	0.0	0.7	2.5	0.0	0.9	1.4
(% of renter-occupied)	7.7	6.1	11.2	6.7	4.7	4.2	1.2	3.1	7.3	4.7	6.9	0.9
Average household size of owner-occupied unit (persons)	2.7	3.0	3.2	2.7	3.1	4.1	3.2	3.0	2.1	3.3	2.9	3.3
Average household size of renter-occupied unit (persons)	2.4	2.7	2.5	2.7	2.7	3.4	3.0	2.6	1.8	2.7	3.0	3.2
2005												
Occupied housing units (% of total units)	89.2	87.6	77.9	82.6	91.3	85.9	96.2	91.5	84.0	95.2	94.0	94.4
Owner-occupied (% of occupied units)	66.9	59.7	62.1	67.2	57.6	50.9	68.2	72.5	37.9	45.9	56.4	72.3
Renter-occupied (% of occupied units)	33.1	40.3	37.9	32.8	42.4	49.1	31.8	27.5	62.1	54.1	43.6	27.7
Vacant housing units (% of total units)	10.8	12.4	22.1	17.4	8.7	14.1	3.8	8.5	16.0	4.8	6.0	5.6
Homeowner vacancy rate (% of owner-occupied)	1.7	0.9	1.3	1.9	0.6	0.6	0.0	1.2	0.8	0.9	0.0	0.6
(% of renter-occupied)	7.7	4.7	4.0	8.3	4.3	1.9	2.9	1.0	4.4	4.2	6.5	6.0
Average household size of owner-occupied unit (persons)	2.7	3.0	3.0	2.9	3.1	4.0	3.3	2.8	2.0	3.4	2.9	3.4
Average household size of renter-occupied unit (persons)	2.4	2.6	2.7	2.6	2.6	3.5	3.0	2.7	1.9	2.4	2.9	3.2
VEHICLES AVAILABLE												
(% of households) 2006												
No vehicles available	8.8	8.9	4.8	5.4	10.6	9.5	5.1	6.0	22.4	22.4	4.8	5.1
1 vehicle available	33.2	33.6	32.8	30.9	34.4	29.5	24.8	28.8	52.3	42.1	34.8	26.3
2 vehicles available	38.0	36.5	36.6	40.7	35.6	33.9	45.6	40.6	21.6	22.4	40.3	43.2
3 or more vehicles available	20.0	20.9	25.8	23.0	19.4	27.1	24.6	24.6	3.7	13.1	20.1	25.4
(% of households) 2005												
No vehicles available	8.9	8.7	4.4	5.2	10.4	6.7	3.3	7.1	22.3	21.0	4.7	4.7
1 vehicle available	33.1	34.4	29.2	31.8	36.1	35.2	26.4	27.8	55.5	42.1	36.9	24.8
2 vehicles available	38.2	35.9	42.3	41.5	33.3	31.7	41.5	40.9	17.4	24.2	38.0	41.9
3 or more vehicles available	19.8	21.0	24.1	21.4	20.2	26.4	28.8	24.1	4.8	12.8	20.3	28.6
SELECTED CHARACTERISTICS												
(% of households) 2006												
Lacking complete plumbing facilities	0.4	0.5	0.6	1.4	0.3	0.2	0.2	0.2	0.6	0.2	0.0	0.3
Lacking complete kitchen facilities	0.6	1.3	1.4	1.4	1.3	1.1	1.0	1.9	1.8	1.7	0.7	1.0
No telephone service available	5.9	4.3	5.2	4.2	4.0	6.5	4.1	4.1	3.8	4.2	3.3	3.5
(% of households) 2005												
Lacking complete plumbing facilities	0.4	0.5	0.7	1.4	0.3	0.2	0.2	0.3	0.4	0.5	0.0	0.3
Lacking complete kitchen facilities	0.6	1.0	1.5	1.8	0.8	1.8	0.5	0.9	0.8	1.0	0.8	0.2
No telephone service available	5.2	4.4	5.0	4.9	4.1	8.5	3.1	1.9	6.1	5.6	1.9	3.1

Source: U.S. Census Bureau, American Community Survey (annual), Housing Characteristics <http://factfinder.census.gov/servlet/DatasetMainPageServlet?_lang=en&_ts=> calculations by the Hawaii State Department of Business, Economic Development & Tourism.

Table D-2. Selected Monthly Owner Costs for the Housing Units with a Mortgage: 2005 and 2006

Category	U.S.	Hawaii State	Public Use Microdata Area									
			Maui county, Kalawao county and Kauai county	Hawaii county	Honolulu county	Rural Oahu	Koolau-poko	Makapuu-Manoa stream	Manoa-Waikiki-Kakaako-Tantalus	Pauoa-Down-town-Kalihi	Moana-lua-Airport-Pearl City	Mililani-Waipahu-Ewa
MORTGAGE STATUS AND SELECTED MONTHLY OWNER COSTS												
2006												
Housing units with a mortgage (% of total units)	68.2	68.6	66.7	64.2	70.1	72.8	73.9	61.9	57.4	53.0	62.9	87.4
Less than \$500 (% of units with mortgage)	2.8	1.7	1.3	4.7	1.2	1.6	0.9	1.1	0.4	2.6	1.8	0.9
\$500 to \$999	23.8	10.1	10.3	19.5	8.1	12.5	6.4	4.3	16.3	8.0	9.1	6.5
\$1,000 to \$1,499	28.6	17.1	14.8	26.4	15.6	28.3	16.2	6.2	21.7	14.9	15.8	14.2
\$1,500 to \$1,999	19.0	23.0	23.6	20.6	23.3	25.8	22.1	16.1	21.8	23.7	25.5	25.8
\$2,000 or more	25.7	48.1	50.0	28.8	51.8	31.9	54.4	72.2	39.8	50.8	47.8	52.5
Median monthly owner costs (dollar)	1,402	1,959	2,000	1,489	2,047	1,657	2,119	2,743	1,787	2,024	1,959	2,058
2005												
Housing units with a mortgage (% of total units)	67.9	67.8	67.2	62.7	69.1	75.1	74.3	67.7	52.4	50.3	60.6	85.8
Less than \$300 (% of units with mortgage)	0.4	0.3	0.2	0.1	0.4	1.3	0.0	0.3	0.0	0.0	0.0	0.6
\$300 to \$499	3.2	1.6	1.5	3.3	1.3	2.0	1.2	2.4	0.5	1.1	1.4	0.7
\$500 to \$699	8.4	3.8	1.8	9.0	3.3	4.2	2.0	3.9	7.4	4.6	1.8	2.3
\$700 to \$999	19.3	9.7	9.4	16.3	8.4	13.6	7.7	5.9	9.1	9.4	9.7	7.6
\$1,000 to \$1,499	29.6	21.9	19.3	29.9	20.8	26.4	14.7	13.9	28.4	26.3	24.7	20.3
\$1,500 to \$1,999	18.0	22.2	23.9	16.8	22.9	23.7	23.8	14.1	18.7	22.5	24.2	27.6
\$2,000 or more	21.0	40.5	43.8	24.7	42.9	28.9	50.4	59.4	36.0	36.1	38.2	40.9
Median monthly owner costs (dollar)	1,295	1,763	1,856	1,344	1,834	1,549	2,010	2,204	1,583	1,667	1,771	1,824
SELECTED MONTHLY OWNER COSTS AS A PERCENTAGE OF HOUSEHOLD INCOME												
2006												
Housing unit with a mortgage	68.2	68.6	66.7	64.2	70.1	72.8	73.9	61.9	57.4	53.0	62.9	87.4
Less than 20.0 percent	33.8	26.2	20.8	35.4	25.4	32.4	29.5	23.8	19.1	29.3	28.2	22.3
20.0 to 24.9 percent	16.2	14.6	12.5	17.0	14.6	16.5	13.6	13.4	12.8	15.3	18.2	14.1
25.0 to 29.9 percent	12.6	13.1	13.2	7.4	14.4	14.5	13.7	13.3	16.1	12.0	9.6	16.9
30.0 to 34.9 percent	9.1	10.5	11.2	7.6	10.9	8.3	10.1	11.3	9.2	14.1	8.7	12.6
35.0 percent or more	27.9	35.2	41.2	32.5	34.3	27.9	33.1	38.0	42.4	29.3	35.3	33.6
Not computed	0.4	0.4	1.1	0.1	0.3	0.4	0.0	0.2	0.4	0.0	0.0	0.6
2005												
Housing unit with a mortgage	67.9	67.8	67.2	62.7	69.1	75.1	74.3	67.7	52.4	50.3	60.6	85.8
Less than 20.0 percent	36.0	29.5	27.2	32.4	29.5	37.0	34.6	32.0	19.2	29.0	33.1	25.2
20.0 to 24.9 percent	16.6	16.9	17.0	14.5	17.4	17.6	14.0	15.5	20.4	17.1	18.3	18.6
25.0 to 29.9 percent	12.5	13.4	11.2	10.1	14.6	9.5	17.8	11.7	14.6	16.7	14.4	15.7
30.0 to 34.9 percent	8.7	8.7	5.5	10.6	9.1	6.3	4.9	11.7	10.2	11.0	6.8	10.9
35.0 percent or more	25.8	31.0	38.8	32.4	28.8	28.7	28.2	28.5	34.4	25.6	26.5	29.3
Not computed	0.4	0.5	0.3	0.0	0.6	0.9	0.3	0.6	1.1	0.7	1.0	0.3

Source: U.S. Census Bureau, American Community Survey (annual), Housing Characteristics <http://factfinder.census.gov/servlet/DatasetMainPageServlet?_program=ACS&_submenuId=&_lang=en&_ts=> calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table D-3. Monthly Gross Rent: 2005 and 2006
(% of total rental units)**

Category	U.S.	Hawaii State	Public Use Microdata Area									
			Maui county, Kalawao county and Kauai county	Hawaii county	Honolulu county	Rural Oahu	Koolau-poko	Makapuu-Manoa stream	Manoa-Waikiki-Kakaako-Tantalus	Pauoa-Downtown-Kalihi	Moana-lua-Airport-Pearl City	Miilani-Waipahu-Ewa
Rent level												
2006												
Less than \$500	45.7	19.6	16.0	29.1	18.7	22.2	(2/)	(2/)	18.9	42.5	(2/)	15.2
\$750 to \$999	22.4	18.5	15.6	20.3	18.9	20.5	(2/)	(2/)	32.6	22.5	(2/)	10.2
\$1,000 to \$1,499	18.3	26.7	33.9	27.7	24.9	24.6	(2/)	(2/)	28.5	20.3	(2/)	28.9
\$1,500 or more	7.6	25.5	24.9	13.7	27.7	17.6	(2/)	(2/)	13.9	9.5	(2/)	41.7
No cash rent	6.1	9.7	9.6	9.2	9.8	15.1	(2/)	(2/)	6.2	5.1	(2/)	4.0
Median monthly gross rent (dollar)	763	1,116	1,212	940	1,127	996	1,514	1,526	970	811	1,509	1,406
2005												
Less than \$500	20.5	10.6	11.5	14.1	9.9	6.9	4.4	4.2	8.4	28.9	2.2	(2/)
\$500 to \$749	29.1	13.0	12.1	19.8	12.1	12.5	7.6	6.1	18.5	15.7	7.1	(2/)
\$750 to \$999	22.0	21.6	19.0	19.3	22.5	21.5	14.7	17.0	36.3	21.6	14.5	(2/)
\$1,000 to \$1,499	16.1	24.5	29.0	24.3	23.5	17.3	30.3	24.3	21.1	18.1	30.0	(2/)
\$1,500 or more	6.3	20.0	17.1	8.8	22.3	26.3	25.7	37.5	9.9	10.9	28.1	(2/)
No cash rent	6.0	10.4	11.4	13.6	9.7	15.6	17.3	10.9	5.8	4.7	18.1	(2/)
Median monthly gross rent (dollar)	728	995	1,025	820	1,012	1,041	1,277	1,373	872	813	1,315	1,337
monthly gross rent as a % of household income												
2006												
Less than 15.0 percent	11.9	10.5	12.5	14.7	9.3	11.8	8.2	14.0	7.9	12.8	7.0	7.5
15.0 to 19.9 percent	11.8	11.0	10.9	10.6	11.1	14.1	11.7	8.7	12.5	13.3	7.4	9.7
20.0 to 24.9 percent	11.9	10.5	9.5	11.2	10.6	9.0	10.8	11.6	10.0	13.1	13.0	7.2
25.0 to 29.9 percent	10.8	10.8	12.3	12.5	10.1	6.0	9.5	8.2	11.7	11.5	6.1	14.8
30.0 to 34.9 percent	8.3	7.3	5.9	7.0	7.6	6.2	7.1	4.1	7.0	7.9	6.4	12.8
35.0 percent or more	37.6	38.4	38.8	32.9	39.3	36.9	33.6	41.9	41.9	31.7	42.1	42.5
Not computed 1/	7.7	11.6	10.2	11.3	11.9	16.0	19.1	11.4	9.0	9.7	18.0	5.5
2005												
Less than 15.0 percent	12.0	9.9	14.5	10.7	8.9	5.9	10.5	14.0	6.0	12.3	10.9	(2/)
15.0 to 19.9 percent	11.9	11.2	11.3	12.8	10.9	7.8	14.0	10.1	12.3	10.0	6.8	(2/)
20.0 to 24.9 percent	12.0	12.3	12.2	15.6	11.8	13.1	17.2	4.6	12.2	12.2	9.1	(2/)
25.0 to 29.9 percent	10.9	10.4	9.7	11.7	10.4	7.7	8.3	11.0	10.6	14.0	8.6	(2/)
30.0 to 34.9 percent	8.3	8.6	11.2	7.4	8.2	6.0	4.6	8.8	6.4	14.1	7.1	(2/)
35.0 percent or more	37.4	35.4	29.1	27.8	37.8	43.5	27.6	38.2	42.4	31.1	37.0	(2/)
Not computed 1/	7.7	12.2	12.0	14.1	11.9	16.0	17.8	13.3	10.1	6.3	20.5	(2/)

1/ Units for which no cash rent is paid and units occupied by households that reported no income or a net loss comprise the category.

2/ Sample size was too small.

Source: U.S. Census Bureau, American Community Survey (annual), Housing Characteristics <http://factfinder.census.gov/servlet/DatasetMainPageServlet?_program=ACS&_submenuId=&_lang=en&_ts=> calculations by the Hawaii State Department of Business, Economic Development & Tourism.