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Section 21

CONSTRUCTION AND HOUSING

This section presents statistics on construction activity and costs, the size and composition of the housing inventory, occupancy of housing units and office buildings, home sales, and residential financing. Related series are included in Sections 6 (land use) and 14 (prices).

The principal sources for these data are the U.S. Census Bureau, various series compiled by state and county agencies (primarily the Hawaii State Department of Business, Economic Development & Tourism; Hawaii State Department of Commerce and Consumer Affairs; Hawaii State Department of Taxation; the Hawaii Housing Finance and Development Corporation; the Hawaii Public Housing Authority; the Hawaii Bureau of Conveyances; and the four county building departments) and local real estate companies. Persons interested in figures for earlier periods should consult *Historical Statistics of Hawaii*, Section 15. National statistics appear in Section 20 of the *Statistical Abstract of the United States: 2012*.

**Table 21.01-- NUMBER AND VALUE OF BUILDING PERMITS, BY
COUNTY: 2006 TO 2016**

Year	State total 1/	City and County of Honolulu	Hawaii County	Kauai County 1/	Maui County
Number issued 2/					
2006	24,117	16,019	5,184	510	2,404
2007	21,248	13,954	4,580	518	2,196
2008	21,164	15,001	4,324	232	1,607
2009	18,154	13,794	2,990	240	1,130
2010	18,197	14,254	2,756	171	1,016
2011	21,523	17,712	2,603	132	1,076
2012	35,136	29,142	4,590	235	1,169
2013	32,246	26,568	4,320	158	1,200
2014	24,806	18,541	4,811	187	1,267
2015	27,051	20,146	5,426	199	1,280
2016	21,783	16,983	3,393	229	1,178
Estimated value 2/ (\$1,000)					
2006	3,770,051	1,625,328	926,019	239,294	979,412
2007	3,585,447	1,676,232	912,529	268,915	727,772
2008	2,906,578	1,481,272	704,317	277,149	443,840
2009	1,998,908	1,247,196	309,165	218,111	224,437
2010	1,980,296	1,357,314	360,328	68,047	194,607
2011	1,858,763	1,272,923	282,638	59,520	243,683
2012	2,643,840	1,769,454	427,394	79,998	366,994
2013	2,720,519	1,866,352	443,739	85,413	325,014
2014	3,315,078	2,072,202	697,063	102,195	443,617
2015	3,963,607	2,436,954	689,454	105,707	731,491
2016	3,240,649	2,141,467	576,015	138,481	384,686

1/ Prior to 2002, Kauai County data were obtained from the Kauai County Building Department. Beginning in 2002, Kauai County estimates are the sum of monthly U.S. Census Bureau residential data only and may differ from annual model-based Census Bureau data.

2/ Includes residential, hotel, non-residential and additions and alterations permits. Other types of permits such as for demolitions are not included.

Source: County building departments and U.S. Census Bureau, Building permits
<<https://www.census.gov/construction/bps/>>.

**Table 21.02-- VALUE OF BUILDING PERMITS, BY TYPE, BY COUNTY:
2014 TO 2016**

[In thousands of dollars]

Category	State total 1/	City and County of Honolulu	Hawaii County	Kauai County 1/	Maui County
2014					
Total	3,315,078	2,072,202	697,063	102,195	443,617
Residential	985,938	375,971	386,390	102,195	121,382
Hotel	169,256	169,000	-	(NA)	256
Non-residential	329,280	85,731	111,902	(NA)	131,646
Additions and alterations	1,830,604	1,441,500	198,771	(NA)	190,333
2015					
Total	3,963,607	2,436,954	689,454	105,707	731,491
Residential	1,651,336	951,917	416,116	105,707	177,596
Hotel	339,640	31,649	-	(NA)	307,990
Non-residential	363,281	190,830	50,045	(NA)	122,405
Additions and alterations	1,609,350	1,262,557	223,293	(NA)	123,500
2016					
Total	3,240,649	2,141,467	576,015	138,481	384,686
Residential	1,447,978	745,437	371,084	138,481	192,976
Hotel	6,000	6,000	-	(NA)	-
Non-residential	204,952	62,303	43,070	(NA)	99,579
Additions and alterations	1,581,719	1,327,727	161,861	(NA)	92,131

NA Not available.

1/ Totals do not include hotel, non-residential and additions/alterations data for Kauai County. Only Kauai County residential data was available from the U.S. Census Bureau. Kauai County estimates are the sum of monthly U.S. Census Bureau residential data only and may differ from annual model-based Census Bureau data.

Source: County building departments and U.S. Census Bureau, Building permits
<<https://www.census.gov/construction/bps/>>.

**Table 21.03-- ACCEPTED VALUE PER HOUSING UNIT,
BY COUNTY: 2016**

[Not comparable to *Data Books* prior to 2006. In dollars. Excludes building permits for additions, alterations and repair. "Accepted value" is the cost of construction for which building permits are issued]

Type of structure	State total	City and County of Honolulu	Hawaii County	Kauai County	Maui County
One-family	450,937	399,462	431,923	604,721	506,843
Two-family	362,050	367,134	748,017	(1/)	253,373
Multi-family	250,522	237,867	442,371	(1/)	291,897

1/ There were no permits issued.

Source: County building departments and U.S. Census Bureau, Building permits

<<https://www.census.gov/construction/bps/>>.

**Table 21.04-- GENERAL EXCISE TAX BASE FOR CONTRACTING,
BY TAXATION DISTRICT: 1997 TO 2016**

[Data are on a cash basis accounting. Calendar year in which reported, including "prior years" reports. Income received in December is reported the following January, hence these annual totals generally refer to income received in the 12-month period ending November 30. Taxation districts cover the same areas as counties]

Year	State total	Oahu	Maui	Hawaii	Kauai
1997	2,944,426,975	2,550,529,925	161,468,800	165,146,225	67,282,025
1998	3,015,976,700	2,570,586,400	193,365,375	180,875,700	71,149,225
1999	2,991,200,575	2,377,630,700	259,711,650	263,906,725	89,951,500
2000	3,613,485,025	2,800,712,550	326,777,275	367,672,100	118,323,100
2001	3,766,403,750	2,832,649,550	360,568,625	446,027,500	127,158,075
2002	4,274,955,575	3,266,988,350	364,438,350	501,577,600	141,951,275
2003	4,536,323,150	3,406,143,325	425,070,200	550,418,975	154,690,650
2004	4,921,512,300	3,754,257,925	452,890,850	533,308,625	181,054,900
2005	6,023,996,950	4,528,358,950	608,407,100	661,365,400	225,865,500
2006	7,223,333,825	5,405,648,475	728,682,550	789,189,250	299,813,550
2007	8,072,911,800	6,060,562,900	828,132,400	863,832,825	320,383,675
2008	7,987,126,150	6,108,692,775	750,457,450	785,465,450	342,510,475
2009	6,641,660,400	5,266,870,075	574,894,650	533,871,075	266,024,600
2010	5,589,766,225	4,435,203,750	500,098,600	439,744,725	214,719,150
2011	5,837,444,675	4,701,571,600	485,970,550	439,583,975	210,318,550
2012	7,006,133,075	5,727,310,125	584,092,725	474,661,300	220,068,925
2013	7,329,960,150	5,981,165,975	603,158,925	526,519,650	219,115,600
2014	7,024,043,900	5,611,443,525	662,255,275	546,117,525	204,227,575
2015	8,112,237,975	6,477,255,450	747,761,100	662,853,275	224,368,150
2016	8,288,207,150	6,571,972,725	801,753,300	665,740,700	248,740,425

Source: Hawaii State Department of Taxation, General Excise and Use Tax Collections (annual calendar year summary) <http://tax.hawaii.gov/stats/a5_3txcolrptarchive/> accessed May 25, 2017.

**Table 21.05-- GENERAL CONSTRUCTION STATISTICS FOR
ESTABLISHMENTS WITH PAYROLL (NAICS 23): 2012**

[Includes establishments with payroll. Statistics based on the 2012 North American Industry Classification System (NAICS) which replaced the 2007 NAICS used in the 2007 Economic Census]

Measure	Amount
Number of establishments	2,378
Total number of employees	27,541
Construction workers	
Number in 1/	
March	18,389
June	19,524
September	19,785
December	20,000
Average	19,425
Other employees	
Number in 1/	
March	8,292
June	8,078
September	8,024
December	8,072
Average	8,116
Annual payroll (\$1,000)	1,564,321
Total fringe benefits (\$1,000)	511,941
Annual wages (\$1,000)	
Construction workers	1,036,189
Other employees	528,133
Annual hours (1,000)	
Construction workers	34,525
Total selected costs (\$1,000)	4,208,435
Materials, components, and supplies	2,234,407
Construction work subcontracted out to others	1,892,121
Selected power, fuels, and lubricants	81,907
Purchased electricity	13,787
Natural gas and manufactured gas	985
Gasoline and diesel fuel	65,013
On-highway use of gasoline and diesel fuel	46,812
Off-highway use of gasoline and diesel fuel	18,201
All other fuels and lubricants	2,122

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Table 21.05-- GENERAL CONSTRUCTION STATISTICS FOR ESTABLISHMENTS WITH PAYROLL (NAICS 23): 2012 -- Con.

Measure	Amount
Value of business done (\$1,000)	7,938,958
Construction work 2/	7,814,295
Construction work on government owned projects	2,542,142
Federally owned projects	960,585
State & locally owned projects	1,581,557
Construction work on privately owned projects	5,272,153
Other business done	124,663
Value of construction work subcontracted in from others (\$1,000)	1,833,024
Net value of construction work (\$1,000)	5,922,174
Value added (\$1,000)	3,730,523
Total capital expenditures (\$1,000)	77,545
Total retirements of depreciable assets (\$1,000)	39,054
Gross value of depreciable assets (acquisition costs), end-of-year (\$1,000)	1,528,467
Total depreciation during year (\$1,000)	165,929
Total rental payments or lease payments (\$1,000) 3/	107,568
Buildings and other structures	67,012
Machinery and equipment rentals	40,556
Total other expenses (\$1,000)	553,148
Temporary staff and leased employee expenses	22,742
Expensed computer hardware and other equipment	7,585
Expensed purchases of software	1,755
Data processing and other purchased computer services	7,116
Communication services	18,717
Repair and maintenance services of buildings and/or machinery	27,042
Refuse removal (including hazardous waste) services	8,426
Advertising and promotional services	11,250
Purchased professional and technical services	45,728
Taxes and license fees	125,996
All other operating expenses	276,791

1/ Pay period including the 12th of the month.

2/ In the 1987-1997 censuses, the value of construction work was collected to measure actual construction activity done during the year. Studies have shown that respondents were not able to accurately report these data. In 2007 and 2012, receipts, billings, or sales for construction work was collected. This item includes receipts, billings, or sales for construction work done by building contractors, heavy and civil engineering construction contractors, and specialty trade contractors. Included are new construction, additions, alterations or reconstruction, and maintenance and repair construction work.

3/ Includes the total rental costs for renting and/or leasing construction machinery and equipment, transportation equipment, production equipment, office equipment, furniture and fixtures, scaffolding, office space, and buildings. It excludes costs for the rental of land. It also excludes costs under agreements that in effect are conditional sales contracts such as capital leases. Such costs are included in capital expenditures.

Source: U.S. Census Bureau, 2012 Economic Census, Construction: Geographic Area Series, Detailed Statistics for the State: 2012 <<http://factfinder.census.gov/faces/nav/jsf/pages/index.xhtml?ts=445347674499>> accessed April 27, 2015.

Table 21.06-- CHARACTERISTICS OF THE CONSTRUCTION INDUSTRY (NAICS 23): 2012

[Includes establishments with payroll. Statistics based on the 2012 North American Industry Classification System (NAICS) which replaced the 2007 NAICS used in the 2007 Economic Census. The Standard Industrial Classification (SIC) system was used in Economic Censuses prior to 1997]

NAICS code	Kind of business	Estab-lish-ments	No. of employees		Annual payroll - all employees (\$1,000)	Annual wages - con-struction workers (\$1,000)	Value of construct-ion work (\$1,000) 3/
			All 1/	Con-struction workers (avg) 2/			
23	Total	2,378	27,541	19,425	1,564,321	1,036,189	7,814,295
236	Construction of buildings	713	7,523	4,769	450,076	250,635	3,491,956
236115	New single-family housing construction (except for-sale builders)	213	1,259	909	57,684	37,965	362,072
236116	New multifamily housing construction (except for-sale builders)	2/ 17	210	120	13,483	5,610	98,138
236117	New housing for-sale builders	74	479	102	32,239	6,643	609,615
236118	Residential remodelers	208	891	626	34,825	23,426	131,527
236210	Industrial building construction	4	24	19	1,323	943	3,188
236220	Commercial and institutional building construction	197	4,661	2,994	310,522	176,049	2,287,415
237	Heavy and civil engineering construction	105	2,639	1,714	181,249	119,842	828,345
237110	Water and sewer line and related structures construction	29	708	448	49,844	36,325	198,597
237120	Oil and gas pipeline and related structures construction	3	59	(D)	(D)	(D)	7,487
237130	Power and communication line and related structures construction	18	341	300	22,275	19,081	115,813
237210	Land subdivision	2/ 12	98	(D)	(D)	(D)	53,025
237310	Highway, street, & bridge construction	36	1,143	743	87,955	52,784	389,040
237990	Other heavy and civil engineering construction	7	290	131	13,081	(D)	64,384
238	Specialty trade contractors	1,559	17,379	12,942	932,997	665,711	3,493,993
238110	Pour concrete foundation and structure contractors	48	620	511	28,839	21,873	113,955
238120	Structural steel and precast concrete contractors	20	409	277	24,905	16,586	89,000
238130	Framing contractors	31	666	551	37,268	33,526	118,980
238140	Masonry contractors	2/ 39	316	289	10,614	9,178	32,374
238150	Glass and glazing contractors	32	313	180	16,000	8,737	47,973
238160	Roofing contractors	91	991	813	35,761	25,480	155,849
238170	Siding contractors	15	109	84	4,683	3,475	13,498
238190	Other foundation, structure & building exterior contractors	16	61	39	2,916	1,692	10,980
238210	Electrical contractors and other wiring installation contractors	329	3,060	2,373	183,249	138,024	699,276
238220	Plumbing, heating and air-conditioning contractors	302	3,869	2,753	232,173	156,807	983,355
238290	Other building equipment contractors	25	620	312	49,092	27,397	148,859
238310	Drywall and insulation contractors	33	1,170	935	57,970	41,844	153,746
238320	Painting and wall covering contractors	137	1,445	994	64,225	46,848	180,454
238330	Flooring contractors	72	424	321	15,468	10,993	67,983

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**Table 21.06-- CHARACTERISTICS OF THE CONSTRUCTION
INDUSTRY (NAICS 23): 2012 -- Con.**

NAICS code	Kind of business	Estab- lish- ments	No. of employees		Annual payroll - all employees (\$1,000)	Annual wages - con- struction workers (\$1,000)	Value of construct- ion work (\$1,000) 3/
			All 1/	Con- struction workers (avg) 2/			
238	Specialty trade contractors (con.)						
238340	Tile and terrazzo contractors	43	301	252	14,792	11,534	42,402
238350	Finish carpentry contractors	154	739	470	32,892	22,165	196,546
238390	Other building finishing contractors	14	302	266	12,026	9,172	41,778
238910	Site preparation contractors	82	1,232	1,009	74,323	56,462	285,234
238990	All other specialty trade contractors	77	732	511	35,801	23,919	111,754

D Withheld to avoid disclosing data of individual companies.

1/ Includes all permanent full-time and part-time nonleased individuals on the payrolls of construction establishments during any part of the pay period which included the 12th of March, June, September, and December. Excluded are subcontractors and their employees, temporary staffing obtained from a staffing service, and proprietors and partners of unincorporated businesses.

2/ Includes all nonleased payroll workers (up through the working supervisory level) directly engaged in construction operations, such as painters, carpenters, plumbers, and electricians. Supervisory employees above the working foreman level are excluded from this category and are included in the other employees category. The average number of nonleased construction workers is the sum of establishment averages of nonleased construction workers who were on the payroll during the pay periods including the 12th of March, June, September and December.

3/ Receipts, billings, or sales for construction work was collected in 2007 and 2012. This item includes receipts, billings, or sales for construction work done by building contractors, heavy and civil engineering construction contractors, and specialty trade contractors. Included are new construction, additions, alterations or reconstruction, and maintenance and repair construction work.

Source: U.S. Census Bureau, 2012 Economic Census, Construction: Geographic Area Series, Detailed Statistics for the State: 2012 <<https://factfinder.census.gov/faces/nav/jsf/pages/index.xhtml>> accessed April 27, 2015.

**Table 21.07-- PRIVATE RESIDENTIAL CONSTRUCTION AND DEMOLITION
AUTHORIZED BY PERMITS, BY COUNTY: 2011 TO 2016**

Category and year authorized	State total	City and County of Honolulu	Other counties			
			Total	Hawaii	Kauai	Maui
New single family units						
2011	1,605	694	911	581	127	203
2012	(NA)	950	(NA)	456	(NA)	251
2013	(NA)	1,070	(NA)	735	(NA)	329
2014	(NA)	809	(NA)	(NA)	178	331
2015	2,215	892	1,323	784	201	338
2016	1,968	716	1,252	721	273	258
New duplex units						
2011	90	86	4	2	-	2
2012	(NA)	85	(NA)	4	(NA)	6
2013	(NA)	104	(NA)	2	(NA)	4
2014	(NA)	110	(NA)	(NA)	10	14
2015	162	124	38	28	-	10
2016	294	236	58	16	2	40
New apartment units						
2011	1,107	990	117	105	-	12
2012	(NA)	1,037	(NA)	59	(NA)	249
2013	(NA)	1,505	(NA)	-	(NA)	16
2014	(NA)	900	(NA)	(NA)	325	-
2015	2,732	2,707	25	-	-	25
2016	1/ 1,816	1,728	1/ 88	1/ 85	-	3
Units demolished						
2011	422	325	97	43	31	23
2012	(NA)	293	(NA)	27	(NA)	26
2013	(NA)	277	(NA)	35	(NA)	30
2014	(NA)	364	(NA)	(NA)	9	44
2015	423	329	94	54	11	29
2016	410	385	25	22	3	-

NA Not available.

1/ Hawaii County new apartment unit figure based on adjustment to annual database information.

Source: City and County of Honolulu, Department of Planning and Permitting, "Monthly Bulletin - Building Permits" (annual calendar year data) <<http://www.honolulu.gov/ReportsNotices/CalendarYearBulletins.aspx>> and records; County of Hawaii, Department of Public Works, Building Division "Yearly Building Permits – Hawaii County" (annual databases) <<http://records.co.hawaii.hi.us/Weblink8/1/doc/76382/Electronic.aspx>> and records; County of Kauai, Department of Public Works, Building Division, records; and County of Maui, Department of Public Works, Development Services Administration, records.

Table 21.08-- REVENUES OF TOP CONTRACTORS: 2014 TO 2016

[In millions of dollars. Contractors with the highest Hawaii revenues based on 2016 survey responses. List represents only those companies that responded to requests for information]

Rank	Contractor	2014 1/	2015 2/	2016
1	Hawaiian Dredging Construction Co. Inc.	546.0	662.0	695.0
2	Nordic PCL Construction Co.	196.0	433.0	436.9
3	Albert C. Kobayashi Inc.	228.0	367.0	414.0
4	Kiewit Corp.	260.0	3/ 399.5	366.0
5	Hensel Phelps Construction Co.	142.0	190.1	340.0
6	Nan Inc.	233.9	197.5	302.5
7	Swinerton Builders	167.0	195.0	240.0
8	Layton Construction Co. Inc.	94.2	167.1	221.8
9	Dorvin D. Leis Co. Inc.	95.5	137.0	144.0
10	Wasa Electrical Services Inc.	60.3	65.0	92.9
11	Group Builders Inc.	66.5	50.1	92.8
12	Watts Constructors LLC	130.9	87.0	92.6
13	Allied Builders System	69.3	75.4	92.4
14	Unlimited Construction Services Inc.	(3/) (4/)	(4/)	88.7
15	Alakai Mechanical Corp.	47.3	(4/)	88.6
16	Isemoto Contracting Co. Ltd.	71.3	83.1	83.4
17	Shioi Construction Inc.	50.9	60.0	68.7
18	Ralph S. Inouye Co. Ltd	18.3	37.0	66.4
19	Coastal Construction Co. Inc.	61.8	81.9	61.9
20	Royal Contracting Co. Ltd.	30.2	50.7	61.8
21	F&H Construction	(3/) (4/)	3/ 33.9	50.3
22	Honolulu Builders LLC	15.5	26.0	31.8
23	S&M Sakamoto Inc.	3/ 19.6	27.4	27.5
24	Healy Tibbitts Builders Inc.	22.1	(4/)	27.1
25	Paradigm Construction LLC	(3/) (4/)	25.0	25.1

NA Not available.

1/ Figures furnished in 2015 by the 2014 Top 25 listees or from earlier lists.

2/ Figures furnished in 2016 by the 2015 Top 25 listees.

3/ Revised from previous *Data Book*.

4/ Not ranked.

Source: *Building Industry Hawaii* "Top 25 Contractors" (July 2016) pp. 31 and 76 and "Top 25 Contractors" (July 2017) pp. 33 and 49 <<http://www.tradepublishing.com/building-industry-hawaii/>> accessed July 7, 2017.

Table 21.09-- HONOLULU CONSTRUCTION COST INDEXES: 1990 TO 2016

[January 1992=100. Data are annual averages]

Year	Single-family residence			High-rise building		
	All components	Materials' prices	Labor 1/	All components	Materials' prices	Labor 1/
1990	95.1	96.2	93.9	95.4	98.0	92.9
1991	98.4	99.5	97.2	99.2	101.6	97.1
1992	102.7	103.8	101.4	99.5	97.1	101.5
1993	111.5	116.0	106.2	104.0	100.7	106.8
1994	121.2	129.4	111.7	109.9	107.0	112.5
1995	118.2	119.9	116.1	114.1	110.8	117.1
1996	125.6	129.1	121.3	116.9	110.9	122.1
1997	129.3	132.7	125.3	119.3	111.8	126.0
1998	129.2	131.4	126.5	119.4	111.4	127.4
1999	129.8	(NA)	(NA)	121.1	111.4	131.3
2000	135.2	(NA)	(NA)	126.6	(NA)	(NA)
2001	142.6	(NA)	(NA)	134.1	(NA)	(NA)
2002	149.9	(NA)	(NA)	139.5	(NA)	(NA)
2003	154.7	(NA)	(NA)	143.7	(NA)	(NA)
2004	163.1	(NA)	(NA)	151.6	(NA)	(NA)
2005	175.1	(NA)	(NA)	159.5	(NA)	(NA)
2006	192.4	(NA)	(NA)	174.2	(NA)	(NA)
2007	207.6	(NA)	(NA)	188.0	(NA)	(NA)
2008	219.2	(NA)	(NA)	199.1	(NA)	(NA)
2009	222.3	(NA)	(NA)	202.5	(NA)	(NA)
2010	221.6	(NA)	(NA)	201.9	(NA)	(NA)
2011	226.2	(NA)	(NA)	206.7	(NA)	(NA)
2012	232.2	(NA)	(NA)	213.1	(NA)	(NA)
2013	243.9	(NA)	(NA)	224.0	(NA)	(NA)
2014	260.3	(NA)	(NA)	239.3	(NA)	(NA)
2015	273.6	(NA)	(NA)	250.8	(NA)	(NA)
2016	278.6	(NA)	(NA)	254.4	(NA)	(NA)

NA Not available.

1/ Wages and benefits.

Source: First Hawaiian Bank, Research Department, records; Hawaii State Department of Business, Economic Development & Tourism, Research and Economic Analysis Division, *Quarterly Statistical and Economic Report - 1st Quarter* <<http://dbedt.hawaii.gov/economic/qser/>> accessed February 17, 2017 and records.

Table 21.10-- CONDOMINIUM ASSOCIATIONS REGISTERED WITH THE STATE OF HAWAII AND APARTMENTS REPRESENTED: 1990 TO 2016

[Fiscal year ending June 30. Biennial registration was started in June 1997]

Year	Condominium associations registered	Apartments represented	Year	Condominium associations registered	Apartments represented
1990	201	20,066	2004	1,469	135,708
1991	809	74,916	2005	1,501	138,334
1992	968	87,127	2006	1,546	142,171
1993	1,049	91,424	2007	1,565	145,124
1994	1,114	95,827	2008	1,601	151,238
1995	1,171	101,628	2009	1,629	153,856
1996	1,249	107,580	2010	1,634	154,625
1997	1,277	106,052	2011	1,670	156,511
1998 1/	1,339	112,832	2012	1,649	156,846
1999	1,361	114,449	2013	1,668	158,294
2000	1,389	116,750	2014	1,591	151,320
2001	1,419	118,209	2015	1,693	160,854
2002	1,439	133,276	2016	1,646	158,865
2003	1,456	134,444			

1/ The first biennial registration, for the July 1, 1997 through June 30, 1999 biennium, was due on June 30, 1997. As a result, registrations were received in both the 1997 and 1998 fiscal years. The numbers reported here show the number of associations and apartments that registered for the biennium and include registrations received during each fiscal year.

Source: Hawaii Real Estate Commission, *Annual Report Real Estate Commission* (annual) <<http://cca.hawaii.gov/reb/reports/>> accessed January 27, 2017.

**Table 21.11-- CONDOMINIUM PROJECTS REGISTERED WITH THE STATE
OF HAWAII: 1994 TO 2016**

[Fiscal year ending June 30. Registration is required only for projects that are being offered for sale, whether they are new or are already existing. In mixed use condominium projects, the predominant use is reported. This is done to prevent the multiple counting of a project filing]

Year	Projects	Individual units
1994	228	4,229
1995	255	4,654
1996	188	2,150
1997	201	2,765
1998	226	2,025
1999	211	2,363
2000	225	1,693
2001	210	2,918
2002	201	3,094
2003	301	4,705
2004	411	10,106
2005	469	15,695
2006	543	11,243
2007	459	11,157
2008	417	9,128
2009	347	6,504
2010	272	7,210
2011	250	5,347
2012	210	5,827
2013	234	8,464
2014	261	6,715
2015	253	10,652
2016	274	7,322

Source: Hawaii State Department of Commerce and Consumer Affairs, Professional and Vocational Licensing Division, Real Estate Branch, *Annual Report Real Estate Commission* (annual) <<http://cca.hawaii.gov/reb/reports/>> accessed January 27, 2017.

Table 21.12-- NEW CONDOMINIUM PROJECTS, BY TYPE: 2012 TO 2016

[Fiscal years ending June 30. In mixed use condominium projects, the predominant use is reported. This is done to prevent the multiple counting of a project filing]

Type of project	2012	2013	2014	2015	2016
All types	129	128	153	160	160
Total residential 1/ Commercial and other Agricultural	2/ 95 15 19	102 10 16	121 9 23	125 9 26	136 4 20
New residential projects by size 1/	95	102	115	125	3/ 136
2 units or fewer	20	18	25	34	58
3 to 15 units	25	37	47	34	39
16 to 50 units	30	14	8	10	13
More than 50 units	20	33	35	47	29

1/ The "Total residential" figure was obtained from the "Condominium Project Filings" table in the source and may differ from the total figure shown in the "New Residential Projects - By Size" table of the source. The "Total residential" figures which is from the "Condominium Project Filings" table of the source reflects the total number of projects received which includes projects that were eventually withdrawn or returned. The table with new residential projects by size figures, however, reflect only the projects that had an issuance of the developer's public report.

2/ Includes one project that was either withdrawn or returned.

3/ Revised total "New residential projects by size" figure from the Department of Commerce and Consumer Affairs's Real Estate Branch. As a result, subcategories no longer sum to the total.

Source: Hawaii State Department of Commerce and Consumer Affairs, Professional and Vocational Licensing Division, Real Estate Branch, *2016 Annual Report Real Estate Commission* <<http://cca.hawaii.gov/reb/reports/>> accessed January 27, 2017 and records.

**Table 21.13-- HOUSING UNITS CONVERTED TO CONDOMINIUM UNITS:
1994 TO 2016**

[Fiscal year ending June 30. Previous *Data Book* tables containing these data were titled "Housing Units Converted From Rental Units to Condominium Units" and "Condominium Units". Data contained in this table reflect the number of housing units converted to condominium units. This conversion is not exclusively from rental units to condominium units, but includes all types of units that were converted to condominium units during the current fiscal year]

Year	Projects	Individual units
1994	73	491
1995	89	1,060
1996	74	386
1997	66	981
1998	54	665
1999	73	368
2000	55	342
2001	44	454
2002	58	591
2003	92	740
2004	116	1,422
2005	135	2,347
2006	164	1,177
2007	157	903
2008	132	664
2009	112	1,592
2010	89	618
2011	79	575
2012	64	219
2013	75	553
2014	75	633
2015	71	596
2016	76	365

Source: Hawaii State Department of Commerce and Consumer Affairs, Professional and Vocational Licensing Division, Real Estate Branch, *Annual Report Real Estate Commission* (annual) <<http://cca.hawaii.gov/reb/reports/>> accessed January 27, 2017.

**Table 21.14-- TIMESHARE PROPERTIES AND UNITS,
BY ISLAND: 2015 AND 2016**

Subject	State total	Oahu	Hawaii	Kauai	Maui	Molokai
2015						
Properties 1/	83	19	17	21	25	1
Registered units 2/	10,404	2,922	1,848	2,400	3,227	7
Operated units 3/	10,680	3,151	1,663	2,632	3,227	7
2016						
Properties 1/	76	17	17	19	22	1
Registered units 2/	10,673	3,262	1,848	2,396	3,160	7
Operated units 3/	10,716	3,193	1,728	2,628	3,160	7

1/ Includes any property which contains one or more operated timeshare units. Data were obtained directly from the Hawaii Tourism Authority summary information on properties with operated units. For the data years prior to 2013, the *Data Book* tables included any property with registered timeshare units. Therefore, *Data Book* tables with data prior to 2013 are not comparable to those displaying data from 2013 and onward.

2/ The number of units registered included those that were available for sale in a timeshare program (as well as those already sold in such a program).

3/ There was a change in the reporting procedure from the 2009 data and onward. The number of units operated represented the units that were in use. Certain timeshares properties have the ability to split a given registered timeshare unit into more than one operated visitor unit (i.e. it may be possible for a two-bedroom unit to be rented as two keys: one studio unit and one 1-bedroom unit). Operated units were defined as number of salable keys that were operated for visitor use. In some cases, the number of operating units exceed the number of registered units for a given timeshare property. This change in reporting procedure resulted in a higher inventory count for certain timeshare properties, but did not necessarily reflect a change in the physical plant.

Source: Hawaii Tourism Authority, Tourism Research, *2016 Visitor Plant Inventory*
<<http://www.hawaii-tourism-authority.org/research/reports/visitor-plant-inventory/>> accessed May 12, 2017.

Table 21.15-- HOME EXEMPTIONS CLAIMED: 2012 TO 2017

[Fiscal year ending June 30]

Tenure and county	2012	2013	2014	2015	2016	2017
TOTAL OWNER-OCCUPIED 1/						
State total	220,654	217,935	217,768	217,108	217,439	218,805
Honolulu	144,092	141,258	140,865	140,582	140,950	142,015
Maui	26,007	25,842	25,681	25,431	25,364	25,310
Hawaii	38,261	38,528	38,856	38,720	38,599	38,749
Kauai	12,294	12,307	12,366	12,375	12,526	12,731
FEE SIMPLE						
State total	214,655	212,396	212,433	212,010	212,486	214,002
Honolulu	139,300	136,866	136,641	136,524	137,025	138,232
Maui	25,201	25,081	24,953	24,755	24,724	24,673
Hawaii	38,071	38,350	38,692	38,576	38,466	38,632
Kauai	12,083	12,099	12,147	12,155	12,271	12,465
LEASEHOLD						
State total	5,999	5,539	5,335	5,098	4,953	4,803
Honolulu	4,792	4,392	4,224	4,058	3,925	3,783
Maui	806	761	728	676	640	637
Hawaii	190	178	164	144	133	117
Kauai	211	208	219	220	255	266

1/ "Owner-occupied" is the sum of the "fee" and "leasehold" home exemptions categories.

Source: City and County of Honolulu, Budget and Fiscal Services Department, Real Property Assessment Division, *Real Property Tax Valuations, Tax Rates & Exemptions, State of Hawaii*, "Number and Amount of Exemption by Type and County" (annual)

<<https://www.realpropertyhonolulu.com/rpa-report/#2016>> accessed November 10, 2016 and records.

Table 21.16-- SELECTED HOUSING CHARACTERISTICS, BY COUNTY: 2010

Subject	State total	City and County of Honolulu	Hawaii County	Kauai County	Maui County 1/
All housing units	519,508	336,899	82,324	29,793	70,492
Occupied housing units	455,338	311,047	67,096	23,240	53,955
Owner-occupied housing units	262,682	174,387	44,271	13,968	30,056
Renter-occupied housing units	192,656	136,660	22,825	9,272	23,899
Average household size					
Owner-occupied housing units	3.02	3.11	2.69	2.96	3.02
Renter-occupied housing units	2.72	2.75	2.73	2.64	2.57
Vacant housing units	64,170	25,852	15,228	6,553	16,537
For rent	16,441	8,633	2,995	1,312	3,501
Rented, not occupied	954	625	101	61	167
For sale only	4,277	1,941	1,338	251	747
Sold, not occupied	1,151	645	289	51	166
For seasonal, recreational, or occasional use 2/	30,079	8,799	7,135	4,172	9,973
All other vacants	11,268	5,209	3,370	706	1,983
Homeowner vacancy rate (percent)	1.60	1.10	2.90	1.80	2.41
Rental vacancy rate (percent)	7.80	5.90	11.60	12.30	12.70
Owner-occupied	262,682	174,387	44,271	13,968	30,056
Family households	198,891	134,249	31,369	10,754	22,519
Husband-wife family	155,722	104,825	24,627	8,443	17,827
Other family	43,169	29,424	6,742	2,311	4,692
Nonfamily households	63,791	40,138	12,902	3,214	7,537
Renter-occupied	192,656	136,660	22,825	9,272	23,899
Family households	115,016	83,593	13,038	5,393	12,992
Husband-wife family	74,354	56,347	7,207	3,211	7,589
Other family	40,662	27,246	5,831	2,182	5,403
Nonfamily household	77,640	53,067	9,787	3,879	10,907

1/ Maui County includes Kalawao County. Kalawao County had 113 housing units, 1 owner-occupied housing unit and 68 renter-occupied housing units.

2/ Used or intended for use only in certain seasons or for weekends or other occasional use throughout the year. Seasonal units include those used for summer or winter sports or recreation, such as beach cottages and hunting cabins. Seasonal units also may include quarters for such workers as herders and loggers. Interval ownership units, sometimes called shared-ownership or time-sharing condominiums, also are included here.

Source: U.S. Census Bureau, 2010 Census "DP-1 - Hawaii Profile of General 2010 Demographic Profile Data" (May 19, 2011) <<http://factfinder2.census.gov/faces/nav/jsf/pages/index.xhtml>> accessed May 19, 2011 and 2010 Census Summary File 1 (June 16, 2011) <<http://factfinder2.census.gov/faces/nav/jsf/pages/index.xhtml>> accessed July 11, 2011.

**Table 21.17-- SUMMARY HOUSING CHARACTERISTICS,
BY COUNTY: 2011-2015**

[Based on a sample and subject to sampling variability. Figures displayed
are the average values over the 5-year period of 2011 to 2015]

Characteristic	State total	City and County of Honolulu	Hawaii County	Kalawao County	Kauai County	Maui County
All housing units	527,388	341,239	84,656	98	30,238	71,157
Occupied	450,572	309,602	65,048	54	22,405	53,463
Vacant	76,816	31,637	19,608	44	7,833	17,694
Units in structure	527,388	341,239	84,656	98	30,238	71,157
1 unit, detached	282,278	154,098	66,653	80	20,985	40,462
1 unit, attached	45,653	37,674	1,962	3	1,315	4,699
2 units	13,317	6,993	1,649	5	1,713	2,957
3 or more units	185,079	142,026	14,061	10	6,160	22,822
Mobile home, boat, RV, van, etc	1,061	448	331	-	65	217
Tenure						
Owner-occupied	256,389	168,551	43,213	2	13,799	30,824
Renter-occupied	194,183	141,051	21,835	52	8,606	22,639
Average household size of unit						
Owner-occupied	3.17	3.25	2.89	(NA)	3.14	3.14
Renter-occupied	2.83	2.83	2.90	1.38	2.96	2.71
Percent						
Structure built 2010 or later	1.6	1.8	1.4	0.0	1.1	1.0
Structure built 2000 to 2009	14.3	11.2	23.1	1.0	14.5	18.5
Structure built 1990 to 1999	14.6	12.6	19.2	6.1	19.9	16.6
Structure built 1940 to 1989	66.1	71.0	52.3	64.3	61.5	60.9
Structure built before 1940	3.4	3.3	4.0	28.6	3.1	3.0
Lacking complete plumbing	0.7	0.4	1.9	0.0	1.1	1.0
Lacking complete kitchen facilities	1.7	1.5	2.6	0.0	1.1	2.1
With no telephone service	2.4	2.3	2.1	5.6	4.0	3.0
Median number of rooms	4.6	4.6	4.8	3.6	4.7	4.1
Percent householder moved into unit						
Moved into unit 2010 or later	32.8	34.3	27.8	38.9	27.5	32.7
Moved into unit 2000 to 2009	31.8	30.2	36.2	29.6	32.4	36.0
Moved into unit 1990 to 1999	14.3	13.6	16.7	20.4	18.3	13.6
Moved into unit before 1990	21.0	21.9	19.2	11.1	21.8	17.7
Percent of units with occupants per room of 1.51 or more	3.2	3.2	3.0	0.0	2.4	3.9

Continued on next page.

**Table 21.17-- SUMMARY HOUSING CHARACTERISTICS,
BY COUNTY: 2011-2015 -- Con.**

Characteristic	State total	City and County of Honolulu	Hawaii County	Kalawao County	Kauai County	Maui County
Median value (dollars) for owner-occupied units	515,300	580,200	301,700	(NA)	480,600	509,700
Selected monthly owner costs						
Housing units with a mortgage	172,248	116,463	26,147	-	8,573	21,065
Median (dollars)	2,270	2,417	1,635	(NA)	2,202	2,300
Housing units without a mortgage	84,141	52,088	17,066	2	5,226	9,759
Median (dollars)	505	565	325	(NA)	470	452
Selected monthly owner costs as a percentage of household income (SMOCAPI) 1/						
Housing units with a mortgage (excluding units where SMOCAPI cannot be computed)	171,385	116,035	25,832	-	8,520	20,998
Monthly costs were 35 percent or more of household income	59,327	37,702	9,270	-	3,756	8,599
Housing units without a mortgage (excluding units where SMOCAPI cannot be computed)	82,759	51,392	16,606	2	5,138	9,621
Monthly costs were 35 percent or more of household income	8,068	5,139	1,645	-	444	840
Gross rent						
Occupied units paying rent	181,028	133,777	18,586	39	7,827	20,799
Median(dollars)	1,438	1,569	1,056	856	1,267	1,287
Gross rent as a percentage of household income (GRAPI)						
Occupied units paying rent (excluding units where GRAPI cannot be computed)	177,492	131,230	17,955	39	7,720	20,548
35.0 percent or more	83,281	63,237	8,490	12	2,786	8,756

NA Not available.

1/ Selected monthly owner costs as a percentage of household income (SMOCAPI) is the computed ratio of selected monthly owner costs to monthly household income. The ratio was computed separately for each unit and rounded to the nearest whole percentage. In prior years, the data are tabulated for all owner-occupied units. It is now restricted to only those units where SMOCAPI is computed, that is SMOC and household income are valid values. It provides information on the monthly housing cost expenses for owners.

Source: U.S. Census Bureau, 2011-2015 American Community Survey 5-Year Estimates, "DP04 Selected Housing Characteristics" <<http://factfinder2.census.gov/faces/nav/jsf/pages/index.xhtml>> accessed January 27, 2017.

Table 21.18-- TENURE BY AGE OF HOUSEHOLDER: 2000 AND 2010

Subject	April 1, 2000	April 1, 2010	Percent change
Total housing units	460,542	519,508	12.8
Households by age of householder, total	403,240	455,338	12.9
Owner-occupied housing units	227,888	262,682	15.3
15 to 24 years	1,667	1,892	13.5
25 to 34 years	17,239	16,752	-2.8
35 to 44 years	43,073	36,459	-15.4
45 to 54 years	56,886	57,404	0.9
55 to 64 years	41,370	66,267	60.2
65 years and over	67,653	83,908	24.0
65 to 74 years	35,461	42,574	20.1
75 to 84 years	25,824	28,781	11.5
85 years and over	6,368	12,553	97.1
Renter-occupied housing units	175,352	192,656	9.9
15 to 24 years	14,657	14,705	0.3
25 to 34 years	43,668	44,670	2.3
35 to 44 years	45,181	39,337	-12.9
45 to 54 years	32,856	36,589	11.4
55 to 64 years	16,564	28,383	71.4
65 years and over	22,426	28,972	29.2
65 to 74 years	11,835	14,743	24.6
75 to 84 years	8,133	9,620	18.3
85 years and over	2,458	4,609	87.5

Source: U.S. Census Bureau, Census 2000 Summary File 1 Hawaii (July 25, 2001) <<http://factfinder2.census.gov/faces/nav/jsf/pages/index.xhtml>> accessed June 20, 2011 and 2010 Census Summary File 1 Hawaii (June 16, 2011) <<http://factfinder2.census.gov/faces/nav/jsf/pages/index.xhtml>> accessed June 20, 2011.

**Table 21.19-- CHARACTERISTICS OF HOUSING UNITS AND HOUSEHOLDS,
FOR THE STATE, 2011 AND 2016, AND COUNTY, 2016**

Subject	State		County, 2016			
	2011	2016	Hono- lulu	Maui	Hawaii	Kauai
Total households	455,311	462,876	317,459	55,059	66,989	23,369
Tenure (%)						
Own	57	57	55	57	66	63
Rent	43	43	45	43	34	37
Unit size (bedrooms) (%)						
Studio or 1 bedroom	15	16	17	16	12	13
2 bedrooms	22	25	26	25	23	17
3 bedrooms	39	36	32	38	46	50
4+ bedrooms	24	23	25	20	18	19
Crowded (%) 1/	12.1	10.5	11.4	9.8	7.4	8.9
Doubled up (%) 2/	13.2	12.0	11.9	14.1	11.1	11.5
Median household income (dollars)	58,700	72,868	73,859	59,799	44,876	58,869
Average monthly mortgage payment (dollars)	1,355	1,987	2,140	2,045	1,357	1,824
Average monthly rent (dollars)	1,421	1,554	1,652	1,444	1,164	1,256
Monthly shelter payment as percent of monthly household income						
No shelter payment	15.7	21.4	21.3	15.0	27.0	20.8
Under 30 percent	3/ 35.4	36.8	37.1	35.2	37.2	36.8
30 to 40 percent	3/ 10.7	11.3	11.4	12.4	10.3	10.8
Over 40 percent	3/ 29.6	24.6	24.4	31.4	19.3	26.3
Not enough information	8.6	5.9	5.9	6.0	6.2	5.2
Household type (%)						
Single member	22.9	23.9	23.5	23.9	26.5	22.9
Married, no children	21.0	21.6	20.2	22.2	26.3	25.3
Parent(s) and children	13.9	13.8	13.8	13.9	13.5	15.3
Unrelated roommates	5.5	5.7	5.5	6.7	5.9	5.7
Other 4/	35.2	34.4	36.5	32.4	27.5	30.3
Undetermined	1.6	0.2	0.1	0.9	0.3	0.5

1/ Based on more than 2 persons per bedroom.

2/ Housing units that are occupied by two or more families or groups of persons who are not related by birth, marriage, or adoption.

3/ Revised from previous *Data Book*.

4/ Other household types include a mixture of related and unrelated individuals.

Source: *Hawai'i Housing Planning Study, 2016*, prepared by SMS Research & Marketing Services, Inc. (December 2016) <https://dbedt.hawaii.gov/hhfdc/files/2017/03/State_HHPS2016_Report_031317_final.pdf> accessed June 6, 2017.

Table 21.20-- HOUSING UNITS, BY COUNTY: 2000 TO 2016

Year	State total	Honolulu	Hawaii	Kauai	Maui 1/
2000: April 1	460,542	315,988	62,674	25,331	56,549
2000: April 1 estimates base 2/	460,518	315,994	62,650	25,331	56,543
2000: July 1 2/	461,646	316,367	63,022	25,380	56,877
2001: July 1 2/	466,175	317,857	64,515	25,579	58,224
2002: July 1 2/	470,601	319,349	65,899	25,856	59,497
2003: July 1 2/	476,104	321,510	67,335	26,353	60,906
2004: July 1 2/	482,971	324,446	69,502	26,789	62,234
2005: July 1 2/	491,559	327,967	72,511	27,115	63,966
2006: July 1 2/	500,837	331,354	75,807	27,902	65,774
2007: July 1 2/	507,743	333,338	78,331	28,667	67,407
2008: July 1 2/	514,132	335,640	80,371	29,159	68,962
2009: July 1 2/	517,829	336,525	81,806	29,508	69,990
2010: April 1	519,508	336,899	82,324	29,793	70,492
2010: April 1 estimates base 3/	519,508	336,899	82,323	29,793	70,493
2010: July 1 3/	519,969	337,032	82,462	29,908	70,567
2011: July 1 3/	522,634	338,401	83,433	30,042	70,758
2012: July 1 3/	524,646	339,624	84,009	30,127	70,886
2013: July 1 3/	526,918	340,856	84,535	30,221	71,306
2014: July 1 3/	530,062	342,988	85,154	30,345	71,575
2015: July 1 3/	532,423	344,086	86,003	30,502	71,832
2016: July 1 3/	537,114	347,413	86,778	30,672	72,251
Share of state total April 1, 2010 estimates base	100.0	64.8	15.8	5.7	13.6
July 1, 2016	100.0	64.7	16.2	5.7	13.5
April 1, 2010 estimates base to July 1, 2016 Percent change	3.4	3.1	5.4	3.0	2.5
Average annual	0.5	0.5	0.8	0.5	0.4

1/ Maui County including Kalawao County.

2/ Housing unit estimates for 2000 through 2009 were revised on October 9, 2012 based upon the April 1, 2010 Census figures.

3/ Housing unit estimates are based on revisions released in May 2017 and may differ from figures in previous *Data Books*. The estimates are based on the 2010 Census and reflect changes to the April 1, 2010 housing units due to the Count Question Resolution program and geographic program revisions.

Source: U.S. Census Bureau, "Table 2. Intercensal Estimates of Housing Units for Counties of Hawaii: April 1, 2000 to July 1, 2010" <<http://www.census.gov/popest/data/intercensal/housing/tables/HU-EST00INT-02/HU-EST00INT-02-15.xls>> accessed May 28, 2013; U.S. Census Bureau, Population Division "Annual Estimates of Housing Units for the United States, Regions, Divisions, States, and Counties: April 1, 2010 to July 1, 2016" (PEPANNHU) (May 25, 2017) <<http://factfinder.census.gov/faces/nav/jsf/pages/index.xhtml>> accessed May 25, 2017; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 21.21-- NUMBER OF HOUSING UNITS IN OAHU NEIGHBORHOODS:
2000 AND 2010**

Neighborhood area 1/ (see maps)	2000 2/	2010 3/	Percent change
Oahu total	315,988	340,906	7.9
1 Hawaii Kai	10,175	11,462	12.6
2 Kuliouou-Kalani Iki	5,677	5,765	1.6
3 Waialae-Kahala	3,982	4,261	7.0
4 Kaimuki	6,991	7,042	0.7
5 Diamond Head/Kapahulu/St. Louis Heights	8,252	8,285	0.4
6 Palolo	4,279	4,324	1.1
7 Manoa	7,616	7,667	0.7
8 McCully/Moilili	14,098	14,382	2.0
9 Waikiki	18,370	19,196	4.5
10 Makiki/Lower Punchbowl/Tantalus	16,141	16,708	3.5
11 Ala Moana/Kakaako	9,440	12,583	33.3
12 Nuuanu/Punchbowl	6,759	6,837	1.2
13 Downtown	7,341	8,208	11.8
14 Liliha/Kapalama	6,974	7,019	0.6
15 Kalihi-Palama	11,108	11,523	3.7
16 Kalihi Valley	4,169	4,186	0.4
17 Moanalua	3,462	3,468	0.2
18 Aliamanu/Salt Lake/Foster Village	12,927	13,208	2.2
19 Airport Area	6,477	6,492	0.2
20 Aiea	10,194	10,461	2.6
21 Pearl City	15,040	15,079	0.3
22 Waipahu	17,263	18,704	8.3
23 Ewa	13,044	18,868	44.6
24 Waianae Coast	12,141	13,333	9.8
25 Mililani/Waipio/Melemanu	12,001	12,569	4.7
26 Wahiawa	11,972	12,305	2.8
27 North Shore	6,648	6,677	0.4
28 Koolauloa	4,473	4,532	1.3
29 Kahaluu	4,587	4,620	0.7
30 Kaneohe	11,347	11,474	1.1
31 Kailua	15,752	15,768	0.1
32 Waimanalo	2,890	2,987	3.4
33 Mokapu	2,388	2,388	0.0
34 Makakilo/Kapolei/Honokai Hale	7,968	11,254	41.2
35 Mililani Mauka-Launani Valley	4,042	7,271	79.9

1/ Data in this table pertain to neighborhood areas whose boundaries are very close but do not match exactly to the Neighborhood Board boundaries. Neighborhood Board numbers are displayed next to the Neighborhood Board names.

2/ As of April 1, 2000. Year 2000 census data aggregated by traffic zone data. This may differ from data aggregated by census blocks which are shown in Table 21.22.

3/ As of June 30. Estimated housing units based on traffic zones.

Source: City and County of Honolulu Planning and Permitting Department, Planning Division, records.

**Table 21.22-- HOUSING CHARACTERISTICS OF OAHU
NEIGHBORHOODS: 2000**

Neighborhood area 1/ (see maps)	Total housing units 2/	Occupied		Home- ownership rate	Vacancy rate (%)	
		Owner	Renter		Home- owner	Rental
Oahu total	315,988	156,290	130,160	54.6	1.6	8.6
1 Hawaii Kai	10,175	7,669	1,997	79.3	1.0	3.7
2 Kuliouou-Kalani Iki	5,733	4,540	926	83.1	1.0	2.2
3 Waiialae-Kahala	3,926	2,729	809	77.1	1.2	5.8
4 Kaimuki	6,632	4,193	2,169	65.9	0.8	4.7
5 Diamond Head/Kapahulu/ St. Louis Heights	8,809	4,162	3,696	53.0	3.2	8.4
6 Palolo	4,347	2,318	1,823	56.0	1.0	6.1
7 Manoa	7,420	4,224	2,827	59.9	0.8	6.3
8 McCully/Moiliili	14,098	3,596	9,074	28.4	1.5	9.2
9 Waikiki	18,370	3,819	7,578	33.5	3.0	30.3
10 Makiki/Lower Punchbowl/Tantalus	16,122	5,717	9,050	38.7	2.1	7.8
11 Ala Moana/Kakaako	9,440	2,475	5,322	31.7	8.4	8.1
12 Nuuanu/Punchbowl	6,830	3,756	2,655	58.6	0.6	7.1
13 Downtown	7,341	1,554	5,263	22.8	4.6	5.8
14 Liliha/Kapalama	6,852	3,669	2,826	56.5	1.0	6.1
15 Kalihi-Palama	11,108	2,945	7,313	28.7	1.1	7.2
16 Kalihi Valley	4,169	2,363	1,578	60.0	0.8	6.0
17 Moanalua	3,462	1,615	1,604	50.2	0.6	3.0
18 Aliamanu/Salt Lake/ Foster Village	12,927	5,687	6,045	48.5	1.3	10.1
19 Airport	5,627	87	4,914	1.7	7.4	0.6
20 Aiea	11,044	6,188	4,392	58.5	0.9	5.5
21 Pearl City	14,440	9,980	4,030	71.2	0.7	4.0
22 Waipahu	18,453	11,216	6,257	64.2	1.9	7.1
23 Ewa	12,895	8,020	3,690	68.5	2.7	6.0
24 Waianae Coast	12,357	6,094	4,442	57.8	2.9	16.7
25 Mililani/Waipio/Melemanu	11,261	7,889	2,972	72.6	1.0	5.7
26 Wahiawa	12,115	3,350	7,253	31.6	2.6	5.4
27 North Shore	6,648	2,595	3,298	44.0	1.1	5.7
28 Koolauloa	4,473	1,801	1,881	48.9	2.0	9.9
29 Kahaluu	4,587	3,072	1,312	70.1	0.7	4.7
30 Kaneohe	13,351	9,030	3,770	70.5	0.8	5.3
31 Kailua	14,063	9,597	3,887	71.2	0.7	4.0
32 Waimanalo	2,575	1,670	772	68.4	0.9	3.1
33 Mokapu	2,388	29	2,303	1.2	0.0	2.1

Continued on next page.

**Table 21.22-- HOUSING CHARACTERISTICS OF
OAHU NEIGHBORHOODS: 2000 -- Con.**

Neighborhood area 1/ (see maps)	Total housing units 2/	Occupied		Home- ownership rate	Vacancy rate (%)	
		Owner	Renter		Home- owner	Rental
34 Makakilo/Kapolei/ Honokai Hale	7,908	5,236	1,985	72.5	2.7	5.6
35 Mililani Mauka-Launani Valley	4,042	3,405	447	88.4	2.2	9.7

1/ Data in this table pertain to neighborhood areas whose boundaries are very close but do not match exactly to the Neighborhood Board boundaries. Neighborhood Board numbers are displayed next to the Neighborhood Board names.

2/ Year 2000 census data aggregated by census blocks. This may differ from data aggregated by traffic zones which are shown in Table 21.20.

Source: City and County of Honolulu Planning and Permitting Department, Planning Division, Community Profiles for Neighborhood Areas

<<http://honolulu.gov/planning/demographics2/2000/NA/general.pdf>> accessed July 3, 2007.

**Table 21.23-- VACANCY AND HOMEOWNERSHIP RATES, FOR THE STATE
AND URBAN HONOLULU MSA: 2000 TO 2016**

Year	Rental vacancy rate 1/		Homeowner vacancy rate 1/		Gross vacancy rate 3/		Year-round vacancy rate 4/		Homeownership rate 1/	
	State	Urban Hono-lulu MSA 2/	State	Urban Hono-lulu MSA 2/	State	Urban Hono-lulu MSA 2/	State	Urban Hono-lulu MSA 2/	State	Urban Hono-lulu MSA 2/
2000	5.3	4.9	0.9	0.7	(NA)	(NA)	(NA)	(NA)	55.2	56.8
2001	8.2	8.0	0.8	0.6	(NA)	(NA)	(NA)	(NA)	55.5	55.4
2002	7.3	5.5	0.9	1.0	(NA)	(NA)	(NA)	(NA)	57.9	57.0
2003	8.9	7.0	1.2	0.9	(NA)	(NA)	(NA)	(NA)	58.3	56.9
2004	7.7	5.8	1.3	1.1	(NA)	(NA)	(NA)	(NA)	60.6	59.4
2005	5.1	3.9	0.6	0.6	14.1	9.3	13.9	9.0	59.8	58.0
2006	5.5	3.9	1.0	0.8	15.5	10.4	13.8	9.0	59.9	58.4
2007	6.3	5.1	1.7	1.2	16.2	10.1	14.8	8.7	60.1	58.8
2008	7.2	5.1	1.7	1.0	16.1	9.9	14.6	8.6	59.1	57.2
2009	9.2	6.9	1.9	0.8	16.8	10.9	15.1	9.4	59.5	57.6
2010	8.1	7.2	1.9	1.0	17.8	11.5	16.4	10.0	56.1	54.9
2011	9.4	6.9	2.2	0.7	18.4	12.1	17.2	10.9	55.4	54.1
2012	10.2	6.3	2.3	1.3	16.8	10.2	15.8	8.8	57.2	56.1
2013	10.1	6.0	1.8	0.9	17.4	10.9	15.8	8.6	57.3	57.9
2014	8.3	5.6	1.6	1.1	18.0	12.3	16.2	10.2	58.4	58.2
2015	8.7	7.4	1.5	1.3	16.1	11.9	14.4	10.2	59.3	59.6
2016	10.6	9.4	1.4	1.1	17.1	13.7	15.8	12.5	57.7	57.9
Margin of error 5/	1.3	1.8	0.5	0.7	1.0	1.5	1.0	1.3	1.8	2.6

NA Not available.

1/ In 2016, the rental vacancy rate for the entire U.S. was 6.9 and the rental vacancy rate for all U.S. inside metropolitan areas was 6.5; the homeowner vacancy rate for the entire U.S. was 1.7 and the homeowner vacancy rate for all U.S. inside metropolitan areas was 1.6; and the homeownership rate for the entire U.S. was 63.4 and the homeownership rate for all U.S. inside metropolitan areas was 61.9.

2/ The Honolulu Metropolitan Statistical Area (MSA) consists of the City and County of Honolulu. The metropolitan data for 2004 and earlier are based on 1990 metropolitan/nonmetropolitan definitions; the 2005 to 2014 data are based on 2000 metropolitan/nonmetropolitan definitions; and the 2015 and later data are based on 2010 metropolitan/nonmetropolitan definitions. In 2010, Honolulu MSA was renamed to Urban Honolulu MSA.

3/ Percentage of the total housing inventory that is vacant. The percentage numerator is all vacant units, while the percentage denominator is the sum of all occupied and vacant housing units. In 2016, the gross vacancy rate for the entire U.S. was 12.8 and for all U.S. inside metropolitan areas was 11.3.

4/ Percentage of the total housing inventory, excluding seasonal rentals, that is vacant. The percentage numerator is all year-round vacant units, while the percentage denominator is the sum of all year round vacant units and occupied units. In 2016, the year-round vacancy rate for the entire U.S. was 9.9 and for all U.S. inside metropolitan areas was 9.2.

5/ For 2016, the margin of error which is a measure of an estimate's reliability is displayed. When this figure is added or subtracted from the estimate, a 90 percent confidence interval is formed. For previous *Data Books*, the 90-percent confidence interval of standard error was displayed.

Source: U.S. Census Bureau, "Housing Vacancies and Homeownership Annual Statistics: 2016" <<http://www.census.gov/housing/hvs/>> accessed May 26, 2017.

Table 21.24-- BUILDING VACANCY RATES FOR COMPETITIVE OFFICE SPACE FOR THE METROPOLITAN HONOLULU OFFICE MARKET, BY SUBMARKET: 2006 TO 2016

Vacancy rate 1/	Downtown 2/	Suburban 3/
2006	7.3	7.9
2007	10.1	7.2
2008	9.6	8.1
2009	10.5	10.2
2010	15.1	12.3
2011	16.1	15.1
2012	15.1	14.8
2013	13.7	13.5
2014	14.5	15.4
2015	15.9	13.5
2016 4/	16.0	12.0

1/ The vacancy rates are for Class A and Class B buildings which were included in the survey. Class A buildings are those in excellent locations which have high-quality tenants, high-quality finish, are well-maintained, are professionally managed, and are usually new, or old buildings that are competitive with new buildings. Class B buildings are those in good locations that are professionally managed and have fairly high-quality construction and tenancy. Class B buildings generally show very little functional obsolescence and deterioration.

2/ Downtown is comprised of the Central Business District Submarket. Buildings surveyed in Downtown are generally 40,000 square feet and above.

3/ Suburban is comprised of eight submarkets: Kapiolani Corridor (Ala Moana, Kakaako, Kapiolani); Waikiki; East Oahu (Hawaii Kai to Kahala); East Central Oahu (Kaimuku to Kalihi); West Central Oahu (Mapunapuna to Pearl City); Leeward (Pearl City to Waipahu); West Oahu (Waipahu to Kapolei); and Windward (Kailua to Kaneohe). Buildings surveyed in the suburban market are generally 20,000 square feet and above.

4/ The size of the Metropolitan Honolulu Office Market survey varies from year to year. For 2016, it included 93 multi-class tenants.

Source: CBRE Research, records.

**Table 21.25--OFFICE, INDUSTRIAL AND RETAIL COMMERCIAL
REAL ESTATE STATISTICS FOR OAHU: 2011 TO 2016**

[As of December 31]

Subject	2011	2012	2013	2014	2015	2016
Office						
Vacancy rate (%) 1/	13.8	13.0	12.2	13.2	12.7	12.7
Annual net absorption (sq. ft.) 2/	-79,597	103,842	95,943	-77,711	37,935	42,103
Average asking base rent (\$) 3/	1.56	1.57	1.57	1.64	1.67	1.69
Average operating expense (\$) 4/	1.25	1.28	1.33	1.34	1.34	1.36
Industrial						
Vacancy rate (%) 1/	4.8	3.8	2.7	2.1	1.7	1.6
Annual net absorption (sq. ft.) 2/	-32,267	391,915	375,959	262,706	173,186	64,582
Average asking base rent (\$) 3/	0.92	0.96	0.98	1.10	1.13	1.21
Average operating expense (\$) 4/	0.31	0.35	0.37	0.42	0.35	0.35
Retail						
Vacancy rate (%) 1/	4.2	4.6	4.2	4.1	5.1	8.4
Annual net absorption (sq. ft.) 2/	26,293	356,381	72,045	12,972	461,436	502,178
Average asking base rent (\$) 3/	3.39	3.24	3.35	3.64	3.84	3.92
Average operating expense (\$) 4/	1.10	1.13	1.18	1.29	1.29	1.30

1/ Total available vacant office space divided by the inventory of multitenant office buildings.

2/ The net change in occupied space over the end of the previous time periods.

3/ Per square feet per month. The mean of the base asking rents for available office space.

4/ Per square feet per month. Building operating expenses that are passthrough to the tenant.

Source: Colliers International. Market Summary Reports (Year-End) <<http://www.colliers.com/en-us/hawaii/insights>> accessed May 31, 2017 and records.

**Table 21.26-- STATE GOVERNMENT CAPITAL IMPROVEMENT
PROJECT EXPENDITURES: 1990 TO 2016**

[In thousands of dollars]

Year	Total expenditures	General obligation bond 1/	Revenue bond 2/	General fund (cash)	Special fund	Federal funds 3/
1990	995,163	248,379	368,502	133,529	79,998	164,755
1991	1,027,189	210,022	326,414	121,108	164,915	204,730
1992	1,323,450	331,720	512,432	138,867	124,605	215,826
1993	1,188,315	472,515	225,431	89,917	147,351	253,101
1994	1,214,487	492,048	327,980	56,662	135,440	202,357
1995	822,327	342,423	77,560	19,672	169,901	212,772
1996	720,580	286,472	66,625	6,719	165,426	195,338
1997	898,496	345,440	220,496	3,181	163,130	166,249
1998	818,181	329,218	199,294	1,963	192,397	95,309
1999	626,916	293,229	35,735	348	212,446	85,159
2000	612,559	295,988	34,114	305	179,336	102,817
2001	611,167	328,885	44,123	331	114,234	123,594
2002	654,804	387,088	45,962	133	123,084	98,538
2003	847,667	416,975	197,475	1	119,653	113,563
2004	400,707	236,176	-67,498	38	92,046	139,944
2005	765,953	337,222	98,672	-973	173,610	157,422
2006	652,664	349,222	48,946	1,873	157,239	95,384
2007	1,131,450	545,559	95,979	33,812	247,366	208,734
2008	980,061	387,376	165,319	53,366	137,322	236,677
2009	1,102,080	507,997	114,942	24,568	223,789	230,784
2010	1,052,636	496,579	106,669	5,948	213,535	229,905
2011	1,004,491	517,179	95,371	2,579	182,313	207,049
2012	1,300,621	557,695	264,699	645	267,253	210,329
2013	1,150,213	588,437	150,063	1,970	215,374	194,369
2014	1,277,887	573,308	247,380	555	195,183	261,460
2015	1,265,048	659,172	196,761	17	158,538	250,559
2016	1,159,995	641,758	142,448	4,214	180,103	191,473

1/ Consists of general obligation bonds and reimbursable general obligation bonds.

2/ Consists of revenue bonds and special purpose revenue bonds.

3/ Includes special federal aid: interstate, primary, secondary; and federal funds.

Source: Hawaii State Department of Accounting and General Services, records; calculations by the Hawaii State Department of Business, Economic Development & Tourism as cited in DBEDT's *Quarterly Statistical and Economic Report - 1st Quarter* <<http://dbedt.hawaii.gov/economic/qser>> accessed February 17, 2017.

**Table 21.27-- HAWAII PUBLIC HOUSING AUTHORITY
OPERATIONS: 2014 TO 2016**

[Fiscal year ending June 30 unless otherwise specified]

Subject	2014	2015	2016
Total units owned and administered by the Hawaii Public Housing Authority (HPHA) 1/	5,584	5,584	5,584
Total units occupied, May 31 2/	5,356	5,234	5,232
Total number of occupants, May 31 2/	13,827	13,618	13,655
Average rent charged per unit per month (dollars) 2/ 3/	285	4/ 294	4/ 299

1/ Federal low-rent, 4,720; State low-rent, 864.

2/ Data does not include 570 Kuhio Park Terrace units which receive federal subsidies.

3/ Some units pay zero rent; some get a utility allowance greater than the amount of rent that would otherwise be charged. Federal projects only; Federal subsidies received between July and June (fiscal year).

4/ Average rent as of January of the following year.

Source: Hawaii State Department of Human Services, Hawaii Public Housing Authority, records.

**Table 21.28-- CHARACTERISTICS OF THE REAL ESTATE
SUBSECTOR (NAICS 531): 2012**

[Includes establishments with payroll. Statistics based on the 2012 North American Industry Classification System (NAICS) which replaced the 2007 NAICS used in the 2007 Economic Census]

NAICS code	Kind of business	Estab-lish-ments	Revenue (\$1,000)	Annual payroll (\$1,000)	Paid employ-ees 1/
531	Total	1,553	2,441,969	335,866	7,314
5311	Lessors of real estate	643	1,618,443	125,484	2,669
53111	Residential buildings & dwellings	282	421,087	39,264	1,118
531110	Residential buildings & dwellings	282	421,087	39,264	1,118
5311101	Apartment buildings	186	110,515	15,169	533
5311109	Dwellings other than apartment bldgs	96	310,572	24,095	585
53112	Nonresidential buildings 2/	273	998,373	72,930	1,202
531120	Nonresidential buildings 2/	273	998,373	72,930	1,202
5311201	Professional & other office	92	332,337	27,678	362
5311202	Manufacturing & industrial	36	130,891	13,062	148
5311203	Shopping centers & retail stores	103	496,015	26,932	528
5311209	Other nonresidential bldgs & facilities	42	39,130	5,258	164
53113	Miniwarehouses & self-storage units	59	56,386	6,688	249
531130	Miniwarehouses & self-storage units	59	56,386	6,688	249
53119	Other real estate property	29	142,597	6,602	100
531190	Other real estate property	29	142,597	6,602	100
5311901	Manufactured (mobile) home sites	2	(D)	(D)	(3/)
5311909	Other real estate property	27	(D)	(D)	(4/)
5312	Offices of real estate agents and brokers	467	446,265	77,926	1,608
53121	Offices of real estate agents and brokers	467	446,265	77,926	1,608
531210	Offices of real estate agents and brokers	467	446,265	77,926	1,608
5312101	Residential real estate agents and brokers	401	388,556	56,776	1,287
5312109	Nonresidential real estate agents and brokers	66	57,709	21,150	321
5313	Activities related to real estate	443	377,261	132,456	3,037
53131	Real estate property managers	313	320,941	107,860	2,569
531311	Residential property managers	210	240,720	77,074	1,901
531312	Nonresidential property managers	103	80,221	30,786	668
53132	Offices of real estate appraisers	68	21,177	9,959	182
531320	Offices of real estate appraisers	68	21,177	9,959	182
53139	Other activities related to real estate	62	35,143	14,637	286
531390	Other activities related to real estate	62	35,143	14,637	286

D Withheld to avoid disclosing data for individual companies.

1/ Pay period including March 12.

2/ Except miniwarehouses.

3/ 0 to 19 employees.

4/ 20 to 99 employees.

Source: U.S. Census Bureau, 2012 Economic Census, *Real Estate and Rental and Leasing, Geographic Area Series, Hawaii* (January 2015) <<http://factfinder.census.gov/faces/nav/jsf/pages/index.xhtml>> accessed April 27, 2015.

**Table 21.29-- CHARACTERISTICS OF THE REAL ESTATE SUBSECTOR
(NAICS 531), BY COUNTY AND PLACE: 2012**

[Includes establishments with payroll. Statistics based on the 2012 North American Industry Classification System (NAICS) which replaced the 2007 NAICS used in the 2007 Economic Census]

Geographic area	Establishments (number)	Revenue (\$1,000)	Annual payroll (\$1,000)	Employees 1/
State total	1,553	2,441,969	335,866	7,314
Hawaii County	181	99,895	21,619	635
Ainaloa	1	(D)	(D)	(2/)
Captain Cook	2	(D)	(D)	(2/)
Hawaiian Paradise Park	1	(D)	(D)	(2/)
Hilo	61	33,797	4,814	196
Holualoa	8	(D)	(D)	(2/)
Kahaluu-Keauhou	4	2,361	192	5
Kailua	32	23,665	5,622	152
Kalaoa	7	(D)	(D)	(2/)
Waikoloa Village	6	(D)	(D)	(3/)
Waimea	14	(D)	(D)	(3/)
Balance of Hawaii County	45	(D)	(D)	(4/)
Honolulu County	1,027	2,059,927	261,211	5,167
Ahuimanu	1	(D)	(D)	(2/)
Aiea	12	4,281	1,042	32
East Honolulu	44	15,813	3,904	81
Ewa Gentry	3	(D)	(D)	(2/)
Halawa	8	(D)	(D)	(3/)
Haleiwa	5	(D)	(D)	(2/)
Hauula	1	(D)	(D)	(2/)
Heeia	1	(D)	(D)	(2/)
Iroquois Point	1	(D)	(D)	(2/)
Kahaluu	1	(D)	(D)	(2/)
Kahuku	4	747	365	13
Kailua	44	24,954	5,089	122
Kaneohe	21	7,359	2,119	62
Kaneohe Station	1	(D)	(D)	(2/)
Kapolei	13	(D)	(D)	(3/)
Laie	1	(D)	(D)	(3/)
Maili	1	(D)	(D)	(2/)
Makakilo	4	461	99	3
Mililani Mauka	2	(D)	(D)	(3/)

Continued on next page.

**Table 21.29-- CHARACTERISTICS OF THE REAL ESTATE SUBSECTOR
(NAICS 531), BY COUNTY AND PLACE: 2012 -- Con.**

Geographic area	Establishments (number)	Revenue (\$1,000)	Annual payroll (\$1,000)	Employees 1/
Honolulu County (con.)				
Mililani Town	5	(D)	(D)	(3/)
Nanakuli	2	(D)	(D)	(2/)
Ocean Pointe	6	9,381	1,259	23
Pearl City	18	7,104	1,320	42
Pupukea	4	(D)	(D)	(2/)
Royal Kunia	1	(D)	(D)	(2/)
Schofield Barracks	1	(D)	(D)	(5/)
Urban Honolulu	713	1,444,166	198,146	3,850
Wahiawa	9	5,174	835	31
Waialua	2	(D)	(D)	(2/)
Waianae	8	(D)	(D)	(3/)
Waikele	4	9,798	566	10
Waimalu	24	20,568	3,287	81
Waimanalo	2	(D)	(D)	(2/)
Waimanalo Beach	1	(D)	(D)	(2/)
Waipahu	24	15,248	2,244	77
Waipio	5	(D)	(D)	(2/)
West Loch Estate	1	(D)	(D)	(2/)
Whitmore Village	1	(D)	(D)	(2/)
Balance of Honolulu County	28	(D)	(D)	(4/)
Kauai County	113	71,695	18,519	507
Hanamaulu	2	(D)	(D)	(2/)
Hanapepe	1	(D)	(D)	(2/)
Kalaheo	3	(D)	(D)	(2/)
Kapaa	13	(D)	(D)	(3/)
Kekaha	1	(D)	(D)	(2/)
Kilauea	11	(D)	(D)	(2/)
Lihue	25	17,179	3,323	82
Puhi	4	(D)	(D)	(2/)
Wailua Homesteads	1	(D)	(D)	(2/)
Balance of Kauai County	52	44,346	12,196	357
Maui County 6/	232	210,452	34,517	1,005
Haiku-Pauwela	6	(D)	(D)	(2/)
Kaanapali	15	36,905	1,913	40
Kahului	26	20,386	6,014	128
Kaunakakai	6	2,419	518	19
Kihei	51	48,477	6,113	155

Continued on next page.

**Table 21.29-- CHARACTERISTICS OF THE REAL ESTATE SUBSECTOR
(NAICS 531), BY COUNTY AND PLACE: 2012 -- Con.**

Geographic area	Establish- ments (number)	Revenue (\$1,000)	Annual payroll (\$1,000)	Employees 1/
Maui County (con.) 6/				
Kula	6	2,052	470	12
Lahaina	26	27,221	4,427	181
Lanai City	1	(D)	(D)	(2/)
Makawao	7	913	299	10
Napili-Honokowai	11	(D)	(D)	(3/)
Paia	4	(D)	(D)	(2/)
Pukalani	3	296	52	1
Waihee-Waiehu	2	(D)	(D)	(2/)
Wailea	15	17,035	1,590	34
Wailuku	35	18,388	4,600	116
Balance of Maui County	18	(D)	(D)	(4/)

D Withheld to avoid disclosing data for individual companies.

1/ Paid employees, pay period including March 12.

2/ 0 to 19 employees.

3/ 20 to 99 employees.

4/ 100 to 249 employees.

5/ 250 to 499 employees.

6/ Kalawao County which is located on the island of Molokai did not have any businesses in 2012.

Source: U.S. Census Bureau, 2012 Economic Census, *Real Estate and Rental and Leasing, Geographic Area Series, Hawaii* (January 2015) <<http://factfinder.census.gov/faces/nav/jsf/pages/index.xhtml>> accessed April 27, 2015.

**Table 21.30-- REAL ESTATE LICENSES, ACTIVE AND INACTIVE, BY TYPE
OF LICENSE AND LOCATION: APRIL 21, 2017**

[Real estate licenses are subject to renewal on or before December 31 of each even-numbered year]

Type of license	Active	Inactive	Location 1/	Active	Inactive
Total	13,559	4,197	Total	13,559	4,197
Broker	5,655	657	Oahu	8,364	2,211
Individual	3,289	578	Hawaii	1,815	399
Sole owner	841	5	Maui	2,142	538
Corporation or partnership	735	39	Kauai	901	270
Limited liability corporation/ limited liability partnership	790	35	Molokai	42	5
			Lanai	12	4
			U.S. mainland	279	742
Salesman	7,904	3,540	Foreign	4	14
			Other	-	14

1/ Based on address of licensee.

Source: Hawaii State Department of Commerce and Consumer Affairs, Professional and Vocational Licensing Division, "Geographic Report (Current Licenses)" as of April 21, 2017
<https://cca.hawaii.gov/pvl/files/2013/06/WebGeo_042117.pdf> accessed May 25, 2017.

Table 21.31-- MULTIPLE LISTING SERVICE LISTINGS AND SALES, FOR OAHU: 1988 TO 2016

[For years 1988 to 2012, data include single family, condominium/cooperative, vacant, multi-family, commercial/industrial, and business opportunities. For 2013 and thereafter, data include only single family and condominium/cooperative listings]

Year	Number listed	Number sold	Percent sold	Mean sales price (dollars)
1988	14,548	9,886	68.0	201,000
1989	13,873	9,757	70.3	238,257
1990	17,097	9,243	54.1	319,500
1991	15,280	5,682	37.2	299,599
1992	13,421	5,509	41.0	292,342
1993	13,124	5,371	40.9	297,149
1994	12,655	5,759	45.5	297,428
1995	12,834	4,060	31.6	307,617
1996	12,147	3,896	32.1	300,494
1997	11,868	4,313	36.3	281,785
1998	11,721	5,351	45.7	269,839
1999	11,173	6,381	57.1	265,009
2000	11,797	7,404	62.8	278,814
2001	12,339	7,953	64.5	265,047
2002	13,967	9,695	69.4	286,594
2003	15,464	11,831	76.5	319,964
2004	17,817	13,110	73.6	388,954
2005	19,268	13,181	68.4	492,835
2006	18,905	10,823	57.2	545,137
2007	17,030	9,484	55.7	557,943
2008	16,060	6,936	43.2	563,993
2009	12,540	6,205	49.5	495,340
2010	13,165	7,187	54.6	537,945
2011	12,070	7,192	59.6	519,690
2012	10,746	7,760	72.2	547,816
2013	11,277	8,231	73.0	559,155
2014	12,134	8,379	69.1	588,544
2015	12,511	8,644	69.1	601,301
2016	11,762	9,127	77.6	624,449

Source: Honolulu Board of Realtors, Multiple Listing Service records; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 21.32-- MULTIPLE LISTING SERVICE LISTINGS AND SALES, BY TYPE
OF PROPERTY, FOR OAHU: 2014 TO 2016**

Year and type of property	Number listed	Number sold	Percent sold	Sales price (dollars)	
				Median	Mean
2014					
Total	12,134	8,379	69.1	467,000	588,544
Single family	5,039	3,332	66.1	675,000	855,043
Condominium/cooperative	7,095	5,047	71.1	345,000	412,603
2015					
Total	12,511	8,644	69.1	490,000	601,301
Single family	4,996	3,500	70.1	700,000	874,535
Condominium/cooperative	7,515	5,144	68.4	360,000	415,391
2016					
Total	11,762	9,127	77.6	525,000	624,449
Single family	4,820	3,678	76.3	735,000	891,332
Condominium/cooperative	6,942	5,449	78.5	390,000	447,512

Source: Honolulu Board of Realtors, Multiple Listing Service records.

**Table 21.33-- MULTIPLE LISTING SERVICE SINGLE FAMILY HOMES SOLD,
BY SELLING PRICE RANGE, FOR OAHU: 2014 TO 2016**

Selling price range	2014	2015	2016
All properties	3,332	3,500	3,678
On leased land	(NA)	(NA)	(NA)
Percent	(NA)	(NA)	(NA)
Less than \$100,000	5	3	-
\$100,000 to \$149,999	4	4	2
\$150,000 to \$199,999	10	7	7
\$200,000 to \$249,999	20	30	15
\$250,000 to \$299,999	41	30	25
\$300,000 to \$349,999	59	53	43
\$350,000 to \$399,999	94	84	67
\$400,000 to \$449,999	158	126	83
\$450,000 to \$499,999	235	166	132
\$500,000 to \$549,999	267	271	204
\$550,000 to \$599,999	296	316	334
\$600,000 to \$649,999	318	324	300
\$650,000 to \$699,999	297	330	369
\$700,000 to \$799,999	404	503	604
\$800,000 to \$899,999	296	349	437
\$900,000 to \$999,999	202	203	244
\$1.0 to \$1.9 million	471	564	667
\$2.0 to \$2.9 million	95	80	96
\$3.0 to \$3.9 million	26	30	25
\$4.0 to \$4.9 million	18	10	9
\$5.0 million or more	16	17	15
Median value (dollars)	675,000	700,000	735,000
Mean value (dollars)	855,043	874,535	891,332

NA Not available.

Source: Honolulu Board of Realtors, Multiple Listing Service records.

**Table 21.34-- MULTIPLE LISTING SERVICE CONDOMINIUM AND
COOPERATIVE UNITS SOLD, BY SELLING PRICE
RANGE, FOR OAHU: 2014 TO 2016**

Selling price range	2014	2015	2016		
			Total	Fee simple	Leasehold
All properties	5,047	5,144	5,449	(NA)	(NA)
Less than \$50,000	20	10	21	(NA)	(NA)
\$50,000 to \$74,999	44	44	52	(NA)	(NA)
\$75,000 to \$99,999	91	67	78	(NA)	(NA)
\$100,000 to \$124,999	90	106	90	(NA)	(NA)
\$125,000 to \$149,999	141	129	98	(NA)	(NA)
\$150,000 to \$174,999	198	163	154	(NA)	(NA)
\$175,000 to \$199,999	208	183	154	(NA)	(NA)
\$200,000 to \$224,999	266	143	172	(NA)	(NA)
\$225,000 to \$249,999	267	244	198	(NA)	(NA)
\$250,000 to \$274,999	359	294	247	(NA)	(NA)
\$275,000 to \$299,999	317	347	281	(NA)	(NA)
\$300,000 to \$349,999	563	704	683	(NA)	(NA)
\$350,000 to \$399,999	563	578	627	(NA)	(NA)
\$400,000 to \$449,999	447	506	551	(NA)	(NA)
\$450,000 to \$499,999	313	376	487	(NA)	(NA)
\$500,000 to \$599,999	450	513	619	(NA)	(NA)
\$600,000 to \$699,999	223	243	376	(NA)	(NA)
\$700,000 to \$799,999	149	178	170	(NA)	(NA)
\$800,000 to \$899,999	103	107	124	(NA)	(NA)
\$900,000 to \$999,999	55	71	67	(NA)	(NA)
\$1,000,000 or more	180	138	200	(NA)	(NA)
Median value (dollars)	345,000	360,000	390,000	(NA)	(NA)
Mean value (dollars)	412,603	415,391	447,512	(NA)	(NA)

NA Not available.

Source: Honolulu Board of Realtors, Multiple Listing Service records.

Table 21.35-- MULTIPLE LISTING SERVICE, NUMBER OF SINGLE FAMILY AND CONDOMINIUM SALES, BY COUNTY: 2001 TO 2016

Category and year	State total	Oahu 1/	Hawaii	Kauai	Maui
Single family					
2001	6,556	3,413	1,660	454	1,029
2002	7,380	3,885	1,932	538	1,025
2003	8,891	4,477	2,310	676	1,428
2004	9,395	4,749	2,692	698	1,256
2005	9,401	4,616	2,757	671	1,357
2006	7,567	3,928	2,084	477	1,078
2007	6,787	3,557	1,683	408	1,139
2008	5,031	2,694	1,148	284	905
2009	4,870	2,643	1,247	263	717
2010	2/ 5,647	2/ 2,964	1,510	358	815
2011	2/ 5,748	2/ 2,868	1,620	361	899
2012	2/ 6,036	2/ 3,062	1,611	424	939
2013	2/ 6,665	2/ 3,346	1,886	447	986
2014	2/ 6,689	2/ 3,390	1,885	467	947
2015	2/ 7,181	2/ 3,584	2/ 2018	488	1,091
2016	7,763	3,815	2,303	568	1,077
Condominium					
2001	6,559	4,231	562	359	1,407
2002	8,284	5,407	706	472	1,699
2003	10,620	7,110	956	535	2,019
2004	11,711	8,156	1,081	521	1,953
2005	11,938	8,041	1,166	673	2,058
2006	8,875	6,197	750	698	1,230
2007	7,426	5,428	519	295	1,184
2008	5,190	3,862	371	169	788
2009	4,827	3,497	328	161	841
2010	2/ 5,736	2/ 3,831	521	235	1,149
2011	2/ 5,978	2/ 3,927	605	289	1,157
2012	2/ 6,447	2/ 4,284	592	318	1,253
2013	7,203	4,868	645	351	1,339
2014	7,084	4,907	646	327	1,204
2015	2/ 7,373	2/ 5,147	662	2/ 365	1,199
2016	7,978	5,569	725	373	1,311

1/ May differ from Honolulu Board of Realtors data used in other *Data Book* tables.

2/ Revised from previous *Data Book*.

Source: Locations Research, records.

Table 21.36-- MULTIPLE LISTING SERVICE, MEDIAN SALES PRICE OF SINGLE FAMILY AND CONDOMINIUM SALES, BY COUNTY: 2001 TO 2016

[In dollars]

Category and year	State total	Oahu 1/	Hawaii	Kauai	Maui
Single family					
2001	268,950	300,000	187,750	287,000	297,500
2002	310,000	335,000	193,500	327,750	375,000
2003	360,000	385,000	235,000	366,375	440,000
2004	440,000	465,000	290,000	498,925	560,000
2005	560,000	590,000	385,000	639,000	678,000
2006	599,133	630,000	421,250	675,000	690,000
2007	595,000	645,000	395,000	650,000	630,137
2008	560,000	625,000	345,000	615,000	575,000
2009	497,750	580,000	278,800	470,000	498,106
2010	2/ 487,000	2/ 599,950	260,000	497,500	460,000
2011	470,000	2/ 579,500	246,450	455,000	432,000
2012	500,000	625,000	260,000	458,750	470,000
2013	2/ 545,000	650,000	295,000	529,000	530,000
2014	575,000	2/ 673,500	315,000	533,000	570,000
2015	600,000	700,000	328,750	613,500	580,000
2016	632,500	735,000	330,000	625,500	639,000
Condominium					
2001	145,000	132,000	139,500	162,500	197,000
2002	165,000	153,000	165,500	210,000	207,000
2003	185,000	175,000	185,000	287,000	241,000
2004	230,000	208,125	275,000	375,000	310,000
2005	299,000	269,000	369,500	435,000	385,000
2006	339,000	310,000	426,498	405,000	510,000
2007	350,000	325,000	394,900	565,000	550,000
2008	347,750	325,000	370,000	545,000	549,500
2009	319,000	305,000	276,550	330,000	450,000
2010	310,000	305,000	260,000	270,000	377,500
2011	290,000	300,000	212,500	237,000	310,000
2012	2/317,500	315,000	257,750	290,000	358,000
2013	333,000	332,000	250,000	310,000	374,000
2014	351,000	350,000	280,000	346,000	415,000
2015	363,000	360,000	275,000	2/ 360,000	410,000
2016	390,000	390,000	300,000	399,000	415,000

1/ May differ from Honolulu Board of Realtors data used in other *Data Book* tables.

2/ Revised from previous *Data Book*.

Source: Locations Research, records.

Table 21.37-- HOME SALES, BY TYPE OF HOME: 2008 TO 2016

Year	Number of homes			Average price of homes (dollars) 1/		
	Total	Single family	Condo-minium	Total	Single family	Condo-minium
2008	18,813	8,842	9,971	517,829	603,676	441,703
2009	16,188	8,384	7,804	466,218	530,231	397,448
2010	21,167	11,073	10,094	486,107	535,993	431,383
2011	17,092	7,626	9,466	470,407	570,928	389,425
2012	16,220	7,544	8,676	493,111	604,739	396,047
2013	17,834	8,068	9,766	541,872	682,282	425,876
2014	17,713	8,075	9,638	594,440	725,920	484,281
2015	19,355	8,227	11,128	592,447	755,414	471,964
2016	19,834	8,239	11,595	655,775	771,985	573,200

1/ Calculated by dividing the total sales amount by the total number of sales.

Source: Hawaii State Department of Land and Natural Resources, Bureau of Conveyances and Title Guaranty; compilation and calculations by the Hawaii State Department of Business, Economic Development & Tourism as cited in DBEDT's *Quarterly Statistical and Economic Report - 2nd Quarter* <<http://dbedt.hawaii.gov/economic/qser>> accessed June 15, 2017.

Table 21.38-- HOME SALES, BY ORIGIN OF BUYER: 2008 TO 2016

Year	Number of homes			Average price of homes (dollars) 1/		
	Local buyers	Mainland buyers	Foreign buyers	Local buyers	Mainland buyers	Foreign buyers
2008	13,616	4,427	770	467,082	653,776	633,598
2009	11,426	4,163	599	422,650	528,042	867,617
2010	14,069	6,207	891	445,632	532,752	800,285
2011	11,889	4,349	854	433,611	507,601	793,250
2012	12,017	3,406	797	454,075	581,827	702,552
2013	13,378	3,775	681	494,544	663,508	797,359
2014	13,455	3,655	603	533,470	757,000	969,551
2015	15,077	3,698	580	546,146	751,210	783,774
2016	15,311	3,702	821	589,614	795,652	1,258,892

1/ Calculated by dividing the total sales amount by the total number of sales.

Source: Hawaii State Department of Land and Natural Resources, Bureau of Conveyances and Title Guaranty; compilation and calculations by the Hawaii State Department of Business, Economic Development & Tourism as cited in DBEDT's *Quarterly Statistical and Economic Report - 2nd Quarter* <<http://dbedt.hawaii.gov/economic/qser>> accessed June 15, 2017.

**Table 21.39-- HOME SALES, BY ORIGIN OF BUYER,
BY COUNTY: 2016**

Subject	All buyers	Local buyers	Mainland buyers	Foreign buyers
Total number of home sales				
Statewide	19,834	15,311	3,702	821
Honolulu County	13,502	11,578	1,221	703
Hawaii County	2,968	1,812	1,119	37
Kauai County	788	493	285	10
Maui County	2,576	1,428	1,077	71
Percentage of total sales				
Statewide	100.0	77.2	18.7	4.1
Honolulu County	100.0	85.8	9.0	5.2
Hawaii County	100.0	61.1	37.7	1.2
Kauai County	100.0	62.6	36.2	1.3
Maui County	100.0	55.4	41.8	2.8
Average home sale price (dollars) 1/				
Statewide	655,775	589,614	795,652	1,258,892
Honolulu County	676,253	634,736	720,084	1,283,884
Hawaii County	528,106	365,097	772,918	1,107,271
Kauai County	654,954	505,950	890,118	1,298,643
Maui County	695,789	537,552	879,948	1,084,852

1/ Calculated by dividing the total sales amount by the total number of sales.

Source: Hawaii State Department of Land and Natural Resources, Bureau of Conveyances and Title Guaranty; compilation and calculations by the Hawaii State Department of Business, Economic Development & Tourism as cited in DBEDT's *Quarterly Statistical and Economic Report - 2nd Quarter* <<http://dbedt.hawaii.gov/economic/qser>> accessed June 15, 2017.

**Table 21.40-- FORECLOSURE FILINGS, BY JUDICIAL CIRCUIT:
1993 TO 2016**

Year	State total	First Circuit 1/	Second Circuit 2/	Third Circuit 3/	Fifth Circuit 4/
1993	1,436	950	204	216	66
1994	1,578	1,022	240	222	94
1995	1,957	1,204	317	293	143
1996	2,800	1,828	464	352	156
1997	3,148	2,205	421	362	160
1998	3,626	2,662	422	359	183
1999	2,934	2,135	324	339	136
2000	2,153	1,591	228	251	83
2001	1,913	1,390	197	246	80
2002	948	624	110	151	63
2003	621	396	78	112	35
2004	437	283	51	80	23
2005	308	198	47	51	12
2006	453	266	59	105	23
2007	718	395	101	188	34
2008	1,363	666	254	359	84
2009	1,800	786	386	488	140
2010	1,300	611	280	316	93
2011	2,657	1,171	571	750	165
2012	3,188	1,505	678	860	145
2013	3,422	1,504	728	961	229
2014	2,084	1,026	397	543	118
2015	1,826	861	357	525	83
2016	1,734	838	302	506	88

1/ City and County of Honolulu.

2/ Maui County includes Kalawao on Molokai.

3/ Hawaii County.

4/ Kauai County.

Source: The Judiciary, Office of the Administrative Director of the Courts, records.

Table 21.41-- ELEVATORS, ESCALATORS, AND SIMILAR FACILITIES: 2009

[As of December 31]

Facility	State total	Oahu	Hawaii		Maui	Molo-kai	Lanai	Kauai
			Hilo	Kona				
Total	6,485	5,007	194	305	691	5	22	261
Elevators	5,451	4,193	141	286	586	1	20	224
Hydro (Under 9 stories)	1,907	1,215	80	170	277	1	9	155
Roped:	3,544	2,978	61	116	309	-	11	69
Under 9 stories	1,668	1,199	50	116	238	-	11	54
9 to 18 stories	1,155	1,058	11	-	71	-	-	15
19 to 28 stories	407	407	-	-	-	-	-	-
29 to 38 stories	218	218	-	-	-	-	-	-
39 stories or more	96	96	-	-	-	-	-	-
Escalators & moving walks/ speed ramps	438	406	5	1	24	-	-	2
Inclined lifts	10	7	1	1	-	-	1	-
Private industrial elevators	36	2	-	1	19	-	-	14
Manlifts	8	6	-	1	-	1	-	-
Handicap/chairlifts	323	232	31	8	36	3	1	12
Dumbwaiters	219	161	16	7	26	-	-	9

Source: Hawaii State Department of Labor and Industrial Relations, Division of Occupational Safety and Health, Boiler and Elevator Inspection Bureau, records.

Table 21.42-- TALLEST STRUCTURES, BY ISLAND: MARCH 2017

Island and structure	Location	Year completed	Height	
			Stories	Feet
BUILDINGS 1/				
Hawaii Bayshore Towers	Hilo	1970	15	135
Maui The Whaler	Kaanapali	1975	12	170
Lanai Manele Hotel	Hulopoe Bay	1991	3	48
Molokai Molokai Light Station	Kalaupapa	1909	(NA)	138
Oahu 2/ First Hawaiian Center	999 Bishop Street	1996	27	430
Pacifica Honolulu	1009 Kapiolani Blvd.	2012	48	400
Kauai Marriott Resort & Beach Club	Lihue	1959	10	107
OTHER STRUCTURES				
Hawaii Coast Guard LORAN-C Transmitter	Upolu Point (Hawi)	1960	(X)	625
Maui (NA)	(NA)	(NA)	(NA)	(NA)
Lanai Storage tanks	Manele Harbor	(NA)	(X)	50
Molokai Aeronautical tower	West end of Molokai	(NA)	(X)	178
Oahu VLF Antenna	Lualualei	1972	(X)	1,503
Kauai Communication Engineers Tower	Mana	1964	(X)	400

NA Not available.

X Not applicable.

1/ Shown separately for the tallest in feet and also (if different) for the tallest in number of stories.

2/ Not shown are several 400 feet tall buildings with fewer than 48 stories.

Source: County building departments.