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Section 14

PRICES

This section presents indexes of consumer prices for Honolulu and for the United States, the implicit price deflator for gross domestic product, and comparisons of Honolulu living costs with those in other U.S. urban areas and cities in foreign countries. Other statistics on prices are reported in Sections 7, 16, 17, 18, 21, and 23.

The Honolulu Consumer Price Index has been compiled by the U.S. Bureau of Labor Statistics (BLS) since December 1963. This index measures the average change in prices of goods and services purchased by urban households. Prices are expressed as a percent of the average levels reported in the base period, 1982-1984.

Official comparisons of Honolulu and Mainland living costs are no longer being made on a regular basis. The annual four-person family budgets estimated by the BLS for Honolulu and the Mainland were discontinued after 1981. The unofficial estimates by the Bank of Hawaii were available for 1982-1998 but have seemingly also been discontinued. A comparison of prices in Hawaii and Washington, D.C., compiled for the U.S. Office of Personnel Management as a basis for cost of living adjustments for Federal employees is also included. These studies are subject to technical limitations and must be interpreted with considerable caution. Comparative indexes have been compiled by the U.S. Department of Defense for military personnel assigned to or in Hawaii on temporary duty.

No composite wholesale or producer price index is available for Hawaii. Average wholesale prices of agricultural products are reported in *Statistics of Hawaii Agriculture*, issued by the Hawaii Agricultural Statistics Service, and in various other publications of the Hawaii State Department of Agriculture. Wholesale price statistics of other commodities are seldom available. Periodic comparisons of individual or groups of products and services are sometimes compiled.

Data on prices and living costs for the nation as a whole and other areas are summarized in the *Statistical Abstract of the United States: 2012*, Section 14. Long-term trends for Hawaii are traced in *Historical Statistics of Hawaii*, Section 5.

Table 14.01-- IMPLICIT PRICE DEFLATOR FOR GROSS DOMESTIC PRODUCT FOR HAWAII AND UNITED STATES: 1977 TO 2018

[Implicit price deflator is the ratio of current-dollar value of gross domestic product (GDP), to its corresponding chained-dollar value, multiplied by 100 and is shown at the 3-decimal level. Current dollar GDP is available for 1963 through 2017 (see Table 13.03) but Real (Chained- 2012 dollar) GDP is not available before 1977. NAICS 1997 to 2017 are revised from previous *Data Book*]

Year	Hawaii	United States	Year	Hawaii	United States
SIC 1997 = 100.000 1/			NAICS 2012 = 100.000 1/		
1977	39.869	43.908	1997	67.629	74.445
1978	42.709	47.070	1998	69.213	75.283
1979	45.917	50.709	1999	71.129	76.370
1980	50.001	55.286	2000	73.559	78.078
1981	54.925	60.636	2001	76.571	79.790
1982	58.586	64.520	2002	78.476	81.052
1983	61.794	67.291	2003	80.425	82.557
1984	66.022	70.255	2004	82.802	84.780
1985	69.135	72.345	2005	85.565	87.421
1986	72.403	74.497	2006	88.583	90.066
1987	74.971	76.506	2007	91.631	92.486
1988	77.483	78.970	2008	93.270	94.285
1989	80.308	82.050	2009	95.075	95.004
1990	83.047	85.140	2010	96.043	96.111
1991	86.420	88.154	2011	97.784	98.118
1992	88.478	90.322	2012	100.000	100.000
1993	91.482	92.824	2013	102.034	101.755
1994	93.343	94.848	2014	104.655	103.680
1995	95.477	96.820	2015	107.438	104.789
1996	97.425	98.453	2016	109.028	105.935
1997	100.000	100.000	2017	111.308	107.948
			2018	113.897	110.382

1/ There is a discontinuity in the GDP time series at 1997, occurring at the change from Standard Industrial Classification (SIC) industry definitions to North American Industry Classification System (NAICS) industry definitions. This discontinuity results from many sources, including differences in source data and different estimation methodologies. This data discontinuity may affect both the levels and the growth rates of the GDP estimates. Users of the GDP estimates are strongly cautioned against joining the two data series in an attempt to construct a single time series of GDP estimates for 1963 to 2016.

Source: U.S. Bureau of Economic Analysis, Gross Domestic Product by Industry (May 1, 2019) <http://www.bea.gov/iTable/index_regional.cfm> accessed May 6, 2019; and calculations by Hawaii State Department of Business, Economic Development & Tourism.

Table 14.02-- REGIONAL PRICE PARITIES (RPPs), ALL ITEMS, BY STATE, AND FOR HAWAII, BY COMPONENT: 2009 TO 2017

[RPPs measure differences in price levels of goods and services across states for a given year and are expressed as percentage of the national price level set to 100.0. 2014 and 2015 revised from previous *Data Book*]

State	2009	2010	2011	2012	2013	2014	2015	2016	2017
Hawaii									
All items	118.1	117.1	117.2	116.9	117.8	118.3	118.4	119.2	118.5
Goods	106.1	106.8	107.1	108.5	109.3	109.3	109.5	110.5	111.3
Services: rents	167.5	164.6	159.2	157.3	159.1	159.3	159.0	163.4	157.3
Services: other	109.3	106.6	104.2	103.0	103.7	104.7	104.5	104.1	103.1
Alabama	87.6	87.5	87.9	87.7	88.1	87.8	87.1	86.8	86.7
Alaska	106.9	106.9	105.5	105.1	105.4	104.9	106.3	105.5	105.1
Arizona	100.6	100.1	98.6	97.9	97.1	96.5	96.0	96.1	96.1
Arkansas	86.9	86.6	87.7	87.6	87.8	87.8	86.9	87.4	87.0
California	113.1	112.9	113.6	113.4	112.9	113.1	113.7	113.8	114.5
Colorado	100.4	101.1	100.9	101.4	101.1	102.1	102.0	102.3	102.7
Connecticut	110.7	110.4	109.4	109.0	109.2	108.5	108.6	108.5	108.4
Delaware	102.0	103.2	102.8	101.8	101.2	100.6	101.1	100.0	100.1
Dist. of Columbia	115.6	116.4	118.2	117.8	117.7	117.0	118.2	116.8	115.4
Florida	100.8	100.0	99.1	99.2	99.1	99.2	99.4	99.5	99.8
Georgia	93.5	93.1	92.3	91.9	92.2	92.3	92.0	92.8	92.4
Hawaii	118.1	117.1	117.2	116.9	117.8	118.3	118.4	119.2	118.5
Idaho	95.2	94.8	93.5	93.3	93.4	93.2	93.6	93.3	92.9
Illinois	100.2	100.9	100.9	101.1	100.7	99.7	99.3	99.0	98.7
Indiana	91.2	91.4	91.4	91.7	91.4	91.3	90.8	90.1	89.8
Iowa	88.6	89.0	89.2	90.0	90.2	90.6	90.3	89.9	89.8
Kansas	89.3	89.6	89.9	90.7	90.6	91.3	90.9	90.2	90.1
Kentucky	88.9	88.7	88.6	88.6	88.8	89.3	88.3	88.7	87.9
Louisiana	90.7	91.4	91.2	91.0	91.4	91.2	90.9	90.5	90.4
Maine	98.0	98.1	96.8	97.4	98.4	98.5	98.0	99.1	98.8
Maryland	110.3	111.3	111.0	110.9	110.1	109.9	110.2	109.6	109.4
Massachusetts	108.3	108.0	108.0	107.8	106.6	106.7	107.3	107.6	108.1
Michigan	95.4	95.2	94.7	94.6	94.5	94.3	93.6	93.0	93.0
Minnesota	97.4	97.7	97.1	97.2	97.6	97.5	97.5	97.2	97.3
Mississippi	86.4	85.8	86.7	86.8	86.5	87.2	86.2	86.2	86.5
Missouri	87.8	87.9	88.3	89.1	89.3	89.9	89.8	89.6	89.5
Montana	95.3	94.5	93.9	93.8	93.5	94.6	94.7	95.1	94.1

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**Table 14.02-- REGIONAL PRICE PARITIES (RPPs), ALL ITEMS, BY STATE,
AND FOR HAWAII, BY COMPONENT: 2009 TO 2017 -- Con.**

State	2009	2010	2011	2012	2013	2014	2015	2016	2017
Nebraska	89.7	89.6	90.3	90.3	90.6	90.7	90.5	90.2	90.0
Nevada	100.8	100.7	99.9	99.8	98.7	98.7	97.5	97.3	97.1
New Hampshire	107.2	106.4	106.5	105.3	105.6	105.4	105.7	105.7	106.1
New Jersey	112.9	113.3	114.1	114.6	114.4	113.4	113.8	113.4	113.3
New Mexico	94.4	94.4	94.6	95.3	95.0	95.3	94.7	93.8	93.3
New York	115.1	115.3	115.2	115.2	115.3	115.2	115.7	115.8	116.1
North Carolina	92.0	92.1	91.3	91.5	91.7	91.8	91.4	91.2	91.0
North Dakota	88.5	89.0	89.2	89.7	91.0	91.7	91.6	92.0	91.1
Ohio	90.0	89.3	89.8	89.7	89.4	89.5	89.4	89.2	89.1
Oklahoma	88.9	89.5	89.6	89.6	89.9	90.0	89.5	89.8	89.1
Oregon	98.3	98.9	98.5	98.5	98.7	98.9	98.8	98.5	99.4
Pennsylvania	98.2	98.2	98.5	98.4	98.4	98.6	98.1	98.2	98.5
Rhode Island	100.2	100.0	99.1	99.4	98.8	98.8	99.8	99.9	100.0
South Carolina	91.1	91.5	90.4	90.8	90.8	90.5	90.0	90.3	90.4
South Dakota	86.9	85.8	86.9	87.3	88.9	88.0	88.0	88.0	88.0
Tennessee	90.5	90.5	90.2	90.3	90.8	90.7	89.8	89.9	90.3
Texas	96.5	96.4	96.3	96.2	96.2	96.3	96.5	96.7	96.8
Utah	96.8	97.8	96.9	97.2	97.1	97.7	96.8	96.4	97.1
Vermont	100.4	100.6	99.5	99.9	100.8	100.9	102.5	102.7	102.0
Virginia	102.8	103.5	103.1	103.0	103.0	102.8	102.7	102.6	102.2
Washington	103.2	103.7	103.0	102.9	103.5	104.2	104.9	105.2	105.8
West Virginia	87.0	87.5	88.4	88.5	88.6	88.6	88.2	88.7	87.6
Wisconsin	93.0	92.9	92.8	93.3	93.5	93.2	93.3	93.0	92.5
Wyoming	96.1	96.1	95.9	96.7	95.8	96.0	96.8	96.4	96.7

Source: U.S. Bureau of Economic Analysis, State Real Personal Income (May 16, 2019)
 <<http://www.bea.gov/iTable/iTable.cfm?ReqID=70&step=1>> accessed June 12, 2019. See also
 "Real Personal Income for States and Metropolitan Areas, 2017"
 <<https://www.bea.gov/system/files/2019-05/rpp0519.pdf>>.

**Table 14.03-- IMPLICIT REGIONAL PRICE DEFLATOR, BY STATE:
2009 TO 2017**

[Calculated as personal income divided by real personal income. Base year has been shifted to 2012 from 2009 and 2015 and 2016 have been revised from previous *Data Book*]

State	2009	2010	2011	2012	2013	2014	2015	2016	2017
Alabama	82.3	82.1	84.0	85.8	87.9	88.8	89.4	89.3	90.0
Alaska	100.4	100.3	100.7	102.9	105.2	106.1	109.2	108.6	109.2
Arizona	94.5	93.9	94.1	95.8	97.0	97.6	98.5	98.9	99.8
Arkansas	81.7	81.3	83.7	85.8	87.6	88.8	89.2	89.9	90.4
California	106.2	105.9	108.5	111.0	112.7	114.4	116.8	117.1	119.0
Colorado	94.3	94.8	96.4	99.3	101.0	103.2	104.7	105.2	106.7
Connecticut	103.9	103.5	104.5	106.7	109.0	109.8	111.6	111.6	112.7
Delaware	95.8	96.8	98.2	99.7	101.0	101.8	103.9	102.9	104.0
Dist. of Col.	108.6	109.2	112.9	115.3	117.5	118.4	121.4	120.2	119.9
Florida	94.7	93.8	94.6	97.2	98.9	100.4	102.1	102.4	103.7
Georgia	87.9	87.3	88.1	90.0	92.0	93.4	94.5	95.5	96.0
Hawaii	111.0	109.8	111.9	114.5	117.6	119.7	121.5	122.7	123.2
Idaho	89.4	88.9	89.3	91.4	93.2	94.3	96.1	96.0	96.5
Illinois	94.1	94.7	96.3	99.0	100.5	100.9	101.9	101.9	102.5
Indiana	85.7	85.7	87.3	89.8	91.2	92.4	93.3	92.7	93.3
Iowa	83.2	83.5	85.2	88.1	90.0	91.6	92.8	92.6	93.3
Kansas	83.9	84.1	85.9	88.8	90.5	92.3	93.3	92.8	93.6
Kentucky	83.5	83.2	84.6	86.7	88.7	90.3	90.6	91.3	91.3
Louisiana	85.2	85.7	87.1	89.1	91.2	92.2	93.4	93.2	93.9
Maine	92.0	92.0	92.5	95.3	98.2	99.6	100.7	102.0	102.6
Maryland	103.6	104.4	106.0	108.6	109.9	111.2	113.2	112.8	113.6
Massachusetts	101.7	101.3	103.1	105.5	106.4	107.9	110.2	110.7	112.3
Michigan	89.6	89.3	90.4	92.6	94.3	95.3	96.1	95.7	96.6
Minnesota	91.4	91.7	92.8	95.2	97.4	98.7	100.1	100.0	101.1
Mississippi	81.1	80.5	82.7	85.0	86.4	88.2	88.5	88.7	89.8
Missouri	82.5	82.4	84.3	87.2	89.2	90.9	92.2	92.2	93.0
Montana	89.5	88.6	89.7	91.8	93.4	95.7	97.3	97.9	97.8
Nebraska	84.2	84.1	86.2	88.3	90.5	91.7	93.0	92.8	93.5
Nevada	94.6	94.4	95.4	97.7	98.6	99.8	100.1	100.1	100.9
New Hampshire	100.7	99.8	101.7	103.1	105.4	106.7	108.6	108.8	110.2
New Jersey	106.0	106.3	108.9	112.2	114.2	114.7	116.9	116.7	117.7
New Mexico	88.7	88.6	90.4	93.3	94.9	96.4	97.3	96.6	96.9
New York	108.1	108.2	110.0	112.8	115.1	116.5	118.8	119.2	120.6
North Carolina	86.4	86.4	87.2	89.5	91.5	92.9	93.8	93.8	94.5
North Dakota	83.1	83.5	85.2	87.8	90.8	92.8	94.1	94.7	94.6
Ohio	84.5	83.7	85.7	87.8	89.2	90.5	91.8	91.8	92.6
Oklahoma	83.5	84.0	85.6	87.7	89.8	91.0	91.9	92.4	92.5
Oregon	92.3	92.8	94.1	96.5	98.5	100.0	101.5	101.4	103.3

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**Table 14.03-- IMPLICIT REGIONAL PRICE DEFLATOR, BY STATE:
2009 TO 2017 -- Con.**

State	2009	2010	2011	2012	2013	2014	2015	2016	2017
Pennsylvania	92.3	92.1	94.1	96.3	98.2	99.8	100.8	101.1	102.3
Rhode Island	94.1	93.8	94.7	97.3	98.6	99.9	102.5	102.8	103.9
South Carolina	85.6	85.8	86.4	88.8	90.7	91.6	92.4	93.0	94.0
South Dakota	81.6	80.5	83.0	85.4	88.7	89.0	90.4	90.5	91.4
Tennessee	85.0	84.9	86.1	88.4	90.6	91.8	92.2	92.5	93.8
Texas	90.6	90.5	91.9	94.2	96.0	97.4	99.1	99.6	100.6
Utah	91.0	91.7	92.5	95.2	97.0	98.8	99.4	99.2	100.9
Vermont	94.3	94.4	95.0	97.8	100.7	102.1	105.3	105.7	106.0
Virginia	96.6	97.1	98.4	100.9	102.8	104.0	105.5	105.6	106.2
Washington	97.0	97.3	98.3	100.7	103.3	105.4	107.8	108.2	109.9
West Virginia	81.7	82.1	84.4	86.7	88.4	89.6	90.6	91.3	91.0
Wisconsin	87.3	87.1	88.6	91.3	93.4	94.3	95.9	95.7	96.1
Wyoming	90.3	90.1	91.6	94.7	95.6	97.1	99.4	99.2	100.4

Source: U.S. Bureau of Economic Analysis, Real State Personal Income (May 16, 2019)
<<http://www.bea.gov/iTable/iTable.cfm?ReqID=70&step=1>> accessed June 14, 2019. See also "Real Personal Income for States and Metropolitan Areas, 2017" <<https://www.bea.gov/system/files/2019-05/rpp0519.pdf>>.

**Table 14.04-- CONSUMER PRICE INDEX, FOR ALL URBAN CONSUMERS,
ALL ITEMS, FOR URBAN HAWAII AND UNITED STATES: 1940 TO 2018**

[1982-1984 average = 100. Excludes rent before 1963. U.S. Bureau of Labor Statistics instituted a 3-decimal presentation beginning January 2007]

Year	Urban Hawaii 1/		United States		Year	Urban Hawaii 1/		United States	
	Annual average	Percent chg. 2/	Annual average	Percent chg. 2/		Annual average	Percent chg. 2/	Annual average	Percent chg. 2/
1940	14.7	(X)	14.0	0.7	1980	83.0	11.7	82.4	13.5
1941	15.5	5.4	14.7	5.0	1981	91.7	10.5	90.9	10.3
1942	17.6	13.5	16.3	10.9	1982	97.2	6.0	96.5	6.2
1943	18.9	7.4	17.3	6.1	1983	99.3	2.2	99.6	3.2
1944	19.2	1.6	17.6	1.7	1984	103.5	4.2	103.9	4.3
1945	19.7	2.6	18.0	2.3	1985	106.8	3.2	107.6	3.6
1946	21.0	6.6	19.5	8.3	1986	109.4	2.4	109.6	1.9
1947	24.4	16.2	22.3	14.4	1987	114.9	5.0	113.6	3.6
1948	25.7	5.3	24.1	8.1	1988	121.7	5.9	118.3	4.1
1949	25.2	-1.9	23.8	-1.2	1989	128.7	5.8	124.0	4.8
1950	24.3	-3.6	24.1	1.3	1990	138.1	7.3	130.7	5.4
1951	25.7	5.8	26.0	7.9	1991	148.0	7.2	136.2	4.2
1952	26.5	3.1	26.5	1.9	1992	155.1	4.8	140.3	3.0
1953	26.7	0.8	26.7	0.8	1993	160.1	3.2	144.5	3.0
1954	26.9	0.7	26.9	0.7	1994	164.5	2.7	148.2	2.6
1955	27.3	1.5	26.8	-0.4	1995	168.1	2.2	152.4	2.8
1956	27.7	1.5	27.2	1.5	1996	170.7	1.5	156.9	3.0
1957	28.6	3.2	28.1	3.3	1997	171.9	0.7	160.5	2.3
1958	30.0	4.9	28.9	2.8	1998	171.5	-0.2	163.0	1.6
1959	30.5	1.7	29.1	0.7	1999	173.3	1.0	166.6	2.2
1960	31.3	2.6	29.6	1.7	2000	176.3	1.7	172.2	3.4
1961	32.1	2.6	29.9	1.0	2001	178.4	1.2	177.1	2.8
1962	32.8	2.2	30.2	1.0	2002	180.3	1.1	179.9	1.6
1963	33.5	2.1	30.6	1.3	2003	184.5	2.3	184.0	2.3
1964	33.7	0.6	31.0	1.3	2004	190.6	3.3	188.9	2.7
1965	34.4	2.1	31.5	1.6	2005	197.8	3.8	195.3	3.4
1966	35.3	2.6	32.4	2.9	2006	209.4	5.9	201.6	3.2
1967	36.3	2.8	33.4	3.1	2007	219.504	4.8	207.342	2.8
1968	37.7	3.9	34.8	4.2	2008	228.861	4.3	215.303	3.8
1969	39.4	4.5	36.7	5.5	2009	230.048	0.5	214.537	-0.4
1970	41.5	5.3	38.8	5.7	2010	234.869	2.1	218.056	1.6
1971	43.2	4.1	40.5	4.4	2011	243.622	3.7	224.939	3.2
1972	44.6	3.2	41.8	3.2	2012	249.474	2.4	229.594	2.1
1973	46.6	4.5	44.4	6.2	2013	253.924	1.8	232.957	1.5
1974	51.5	10.5	49.3	11.0	2014	257.589	1.4	236.736	1.6
1975	56.3	9.3	53.8	9.1	2015	260.165	1.0	237.017	0.1
1976	59.1	5.0	56.9	5.8	2016	265.283	2.0	240.007	1.3
1977	62.1	5.1	60.6	6.5	2017	272.014	2.5	245.120	2.1
1978	66.9	7.7	65.2	7.6	2018	277.078	1.9	251.107	2.4
1979	74.3	11.1	72.6	11.3					

Continued on next page.

**Table 14.04-- CONSUMER PRICE INDEX, FOR ALL URBAN CONSUMERS,
ALL ITEMS, FOR URBAN HAWAII AND UNITED STATES:
1940 TO 2018 -- Con.**

X Not applicable.

1/ U.S. Bureau of Labor Statistics introduced a new geographic area sample in January 2018 and expanded compilation from semi-annual to bimonthly and changed the name from 'Honolulu' to 'Urban Hawaii'.

Despite the name change, the index still consists of Honolulu in the State of Hawaii.

See also "Consumer Price Index Geographic Revision for 2018"

<<https://www.bls.gov/cpi/additional-resources/geographic-revision-2018.htm>> accessed January 12, 2019.

2/ Percent change from previous year.

Source: Surveys by Eugene Danaher and Hawaii State Department of Labor and Industrial Relations, cited in Hawaii State Department of Planning and Economic Development, *The Honolulu Consumer Price Index, 1940-1986* (Statistical Report 187, May 30, 1986), as shifted to 1982-1984 base; U.S. Bureau of Labor Statistics, Consumer Price Index-All Urban Consumers [CPI-U] Urban Hawaii and the United States <<http://www.bls.gov/cpi/home.htm>> accessed January 11, 2019.

Table 14.05-- CONSUMER PRICE INDEX- ALL ITEMS, BY TYPE OF CONSUMER, FOR URBAN HAWAII: SEMI-ANNUAL AND ANNUAL AVERAGE, 1984 TO 2018

[U.S. Bureau of Labor Statistics instituted a 3-decimal presentation beginning January 2007, introduced a new geographic area sample in January 2018 and expanded compilation from semi-annual to bimonthly and changed the name from 'Honolulu' to 'Urban Hawaii'. Despite the name change, the index still consists of Honolulu in the State of Hawaii. See also "Consumer Price Index Geographic Revision for 2018" <<https://www.bls.gov/cpi/additional-resources/geographic-revision-2018.htm>> accessed January 12, 2019]

Year	All urban consumers (CPI-U)			Urban wage earners and clerical workers (CPI-W)		
	Annual average	First half	Second half	Annual average	First half	Second half
Index number, 1982-1984 = 100						
1984	103.5	102.5	104.4	104.3	103.0	105.5
1985	106.8	106.3	107.4	107.9	107.4	108.4
1986	109.4	108.9	109.9	110.3	109.9	110.7
1987	114.9	113.3	116.5	115.9	114.3	117.6
1988	121.7	120.1	123.4	122.8	121.1	124.5
1989	128.7	126.4	131.1	129.7	127.4	132.0
1990	138.1	135.5	140.8	138.9	136.3	141.6
1991	148.0	146.8	149.1	148.9	147.7	150.1
1992	155.1	153.9	156.4	155.9	154.6	157.2
1993	160.1	158.6	161.6	160.7	159.4	162.0
1994	164.5	163.4	165.7	164.7	163.5	165.8
1995	168.1	166.9	169.4	168.4	167.2	169.7
1996	170.7	170.5	171.0	171.0	170.8	171.2
1997	171.9	172.1	171.8	172.2	172.4	172.0
1998	171.5	172.0	171.0	171.6	172.3	171.0
1999	173.3	172.7	173.8	173.4	173.0	173.9
2000	176.3	175.9	176.7	176.5	176.0	176.9
2001	178.4	178.1	178.7	179.1	178.6	179.5
2002	180.3	180.1	180.4	180.6	180.4	180.7
2003	184.5	183.2	185.7	184.3	183.4	185.3
2004	190.6	189.2	191.9	190.2	188.8	191.5
2005	197.8	195.0	200.6	197.2	194.6	199.8
2006	209.4	206.4	212.3	208.5	205.6	211.4
2007	219.504	216.620	222.388	218.541	215.681	221.401
2008	228.861	227.334	230.387	228.344	226.738	229.950
2009	230.048	228.070	232.026	228.773	226.462	231.084
2010	234.869	233.822	235.916	234.020	233.089	234.951
2011	243.622	241.902	245.342	242.532	240.874	244.190
2012	249.474	248.646	250.303	248.569	248.003	249.135
2013	253.924	253.202	254.646	252.178	251.663	252.694
2014	257.589	255.989	259.190	254.757	253.417	256.098
2015	260.165	257.848	262.482	255.969	254.057	257.881
2016	265.283	264.038	266.528	260.326	258.879	261.772
2017	272.014	270.738	273.290	267.115	265.787	268.444
2018	277.078	275.196	278.960	273.483	271.610	275.355

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Table 14.05-- CONSUMER PRICE INDEX- ALL ITEMS, BY TYPE OF CONSUMER, FOR URBAN HAWAII: SEMI-ANNUAL AND ANNUAL AVERAGE, 1984 TO 2018 -- Con.

Year	All urban consumers (CPI-U)			Urban wage earners and clerical workers (CPI-W)		
	Annual average	First half	Second half	Annual average	First half	Second half
Percentage change 1/						
1985	3.2	3.7	2.9	3.5	4.3	2.7
1986	2.4	2.4	2.3	2.2	2.3	2.1
1987	5.0	4.0	6.0	5.1	4.0	6.2
1988	5.9	6.0	5.9	6.0	5.9	5.9
1989	5.8	5.2	6.2	5.6	5.2	6.0
1990	7.3	7.2	7.4	7.1	7.0	7.3
1991	7.2	8.3	5.9	7.2	8.4	6.0
1992	4.8	4.8	4.9	4.7	4.7	4.7
1993	3.2	3.1	3.3	3.1	3.1	3.1
1994	2.7	3.0	2.5	2.5	2.6	2.3
1995	2.2	2.1	2.2	2.2	2.3	2.4
1996	1.5	2.2	0.9	1.5	2.2	0.9
1997	0.7	0.9	0.5	0.7	0.9	0.5
1998	-0.2	-0.1	-0.5	-0.3	-0.1	-0.6
1999	1.0	0.4	1.6	1.0	0.4	1.7
2000	1.7	1.9	1.7	1.8	1.7	1.7
2001	1.2	1.3	1.1	1.5	1.5	1.5
2002	1.1	1.1	1.0	0.8	1.0	0.7
2003	2.3	1.7	2.9	2.0	1.7	2.5
2004	3.3	3.3	3.3	3.2	2.9	3.3
2005	3.8	3.1	4.5	3.7	3.1	4.3
2006	5.9	5.8	5.8	5.7	5.7	5.8
2007	4.8	5.0	4.8	4.8	4.9	4.7
2008	4.3	4.9	3.6	4.5	5.1	3.9
2009	0.5	0.3	0.7	0.2	-0.1	0.5
2010	2.1	2.5	1.7	2.3	2.9	1.7
2011	3.7	3.5	4.0	3.6	3.3	3.9
2012	2.4	2.8	2.0	2.5	3.0	2.0
2013	1.8	1.8	1.7	1.5	1.5	1.4
2014	1.4	1.1	1.8	1.0	0.7	1.3
2015	1.0	0.7	1.3	0.5	0.3	0.7
2016	2.0	2.4	1.5	1.7	1.9	1.5
2017	2.5	2.5	2.5	2.6	2.7	2.5
2018	1.9	1.6	2.1	2.4	2.2	2.6

1/ From same period in previous year.

Source: U.S. Bureau of Labor Statistics, Consumer Price Index-All Urban Consumers (CPI-U) and Consumer Price Index-Urban Wage Earners and Clerical Workers (CPI-W), All Items

<<http://www.bls.gov/cpi/home.htm>> and, for 2009 to 2018,

<https://www.bls.gov/regions/west/data/cpi_tables.pdf> accessed January 11, 2019.

Table 14.06-- CONSUMER PRICE INDEX FOR ALL URBAN CONSUMERS (CPI-U), BY EXPENDITURE CATEGORY AND COMMODITY AND SERVICE GROUP, FOR URBAN HAWAII: ANNUAL AVERAGE, 2015 TO 2018

[Unless otherwise specified, 1982-1984 =100. U.S. Bureau of Labor Statistics instituted a 3-decimal presentation beginning January 2007, introduced a new geographic area sample in January 2018 and expanded release from semi-annual to bimonthly and changed the name from 'Honolulu' to 'Urban Hawaii'. Despite the name change, the index still consists of Honolulu in the State of Hawaii. See also "Consumer Price Index Geographic Revision for 2018" <<https://www.bls.gov/cpi/additional-resources/geographic-revision-2018.htm>> accessed January 12, 2019]

Group	2015	2016	2017	2018
All items	260.165	265.283	272.014	277.078
Food and beverages	267.041	272.051	277.301	281.796
Food	267.643	272.998	278.202	282.565
Food at home	267.011	267.579	273.253	273.914
Food away from home	262.972	273.003	277.624	285.602
Alcoholic beverages	255.672	254.162	260.376	267.326
Housing	276.047	283.565	294.510	300.679
Shelter	298.217	309.116	322.017	327.066
Rent of primary residence	295.635	303.583	313.704	319.242
Owners' equiv. rent of prim. res. 1/	308.127	320.863	335.159	339.871
Fuel and utilities	329.285	318.341	334.333	362.400
Household energy 2/	267.540	243.208	263.579	295.374
Energy services 3/	262.786	238.477	259.124	290.309
Electricity	260.267	236.276	256.980	287.790
Utility (piped) gas service	267.090	235.752	252.444	286.182
Household furnishings & operation	149.060	148.734	146.275	146.797
Household furn. and supplies 4/	87.882	86.918	85.087	84.020
Apparel	108.893	111.736	115.762	110.259
Transportation	216.756	211.645	217.646	227.694
Private transportation	212.590	203.453	213.267	224.967
Transp. comm. less motor fuel 4/	105.039	103.473	105.172	103.337
Motor fuel	229.138	198.214	227.755	265.785
Gasoline (all types)	235.085	203.309	233.622	272.733
Gasoline, unleaded regular 5/	247.260	212.986	244.414	285.428
Gasoline, unleaded midgrade 5/ 6/	189.913	164.233	189.983	224.844
Gasoline, unleaded premium 5/	209.894	183.356	212.037	246.398
Medical care	378.876	400.408	407.384	(NA)
Education and communication 7/	147.869	149.785	144.410	142.193
Educ. and comm. commodities 4/	85.036	78.951	73.630	74.451
Educ. and comm. services 4/	121.705	124.149	119.986	117.907
Recreation 7/	121.840	124.872	125.781	128.651
Other goods and services	478.634	484.820	488.990	497.228
Other goods 4/	118.403	119.086	119.212	117.796
Other personal services 4/	118.393	120.870	123.163	128.386

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Table 14.06-- CONSUMER PRICE INDEX FOR ALL URBAN CONSUMERS (CPI-U), BY EXPENDITURE CATEGORY AND COMMODITY AND SERVICE GROUP, FOR URBAN HAWAII: ANNUAL AVERAGE, 2015 TO 2018 -- Con.

Group	2015	2016	2017	2018
Commodity and service group				
All items	260.165	265.283	272.014	277.078
Commodities	197.792	197.263	201.985	204.871
Commodities less food & bev.	154.989	151.538	155.984	157.835
Nondurables less food & bev.	189.890	185.364	193.660	199.273
Durables	116.371	114.021	114.055	112.614
Services	314.368	324.441	332.966	340.140
Special aggregate indexes				
All items less shelter	243.833	246.306	250.295	255.550
All items less medical care	253.811	258.001	264.714	269.515
All items less energy	262.680	269.892	275.658	278.742
Energy	245.410	217.256	242.100	276.671
All items less food and energy	263.255	271.023	276.976	279.886
Commodities less food	158.807	155.419	159.942	161.936
Nondurables less food	193.935	189.629	197.834	203.537
Nondurables	230.105	230.373	236.927	242.000
Services less rent of shelter 1/	335.192	343.671	345.072	355.547
Services less medical care services	307.041	316.432	325.378	332.290

NA Not available.

1/ Indexes on a December 1982=100 base.

2/ Historically and as returned via the online database called 'Fuels'.

3/ Historically and as returned via the online database called 'Gas (piped) and electricity'.

4/ Indexes on a December 2009=100 base.

5/ Special index based on a substantially smaller sample.

6/ Indexes on a December 1993=100 base.

7/ Indexes on a December 1997=100 base.

Source: U.S. Bureau of Labor Statistics, Consumer Price Index-All Urban Consumers (CPI-U) All Items
<<http://www.bls.gov/cpi/home.htm>> accessed January 11, 2019.

Table 14.07-- RELATIVE IMPORTANCE OF COMPONENTS IN THE CONSUMER PRICE INDEX, ALL URBAN CONSUMERS (CPI-U), FOR HONOLULU AND THE UNITED STATES: DECEMBER 2017 AND 2018

[Percent of all items. 2017 and 2018 based on the 2015-2016 weights in the Consumer Expenditure Survey. See also "Archived Relative Importance of Components in the Consumer Price Indexes" <<https://www.bls.gov/cpi/tables/relative-importance/home.htm>>]

Group	2017 CPI-U		2018 CPI-U	
	Honolulu	U.S.	Honolulu	U.S.
Relative importance of area	0.475	100.000	0.475	100.000
EXPENDITURE CATEGORY				
All items	100.000	100.000	100.000	100.000
Food and beverages	15.696	14.359	15.693	14.314
Food	14.963	13.384	14.953	13.341
Food at home	7.672	7.382	7.636	7.286
Cereals and bakery products	(NA)	0.964	(NA)	0.962
Meats, poultry, fish, and eggs	(NA)	1.635	(NA)	1.597
Meats, poultry, and fish	(NA)	1.538	(NA)	1.504
Dairy and related products	(NA)	0.744	(NA)	0.729
Fruits and vegetables	(NA)	1.302	(NA)	1.298
Other food at home	(NA)	1.864	(NA)	1.832
Food away from home	7.290	6.002	7.317	6.055
Alcoholic beverages	0.733	0.974	0.740	0.973
Housing	47.699	41.772	48.074	42.202
Shelter	40.225	32.843	40.133	33.259
Rent of primary residence	12.758	7.823	12.682	7.943
Tenants' and household insurance	(NA)	0.375	(NA)	0.375
Owners' equivalent rent of residences	26.242	23.747	26.146	24.054
Owners' equivalent rent of primary res.	25.426	22.422	25.333	22.711
Lodging away from home	(NA)	0.898	(NA)	0.887
Fuels and utilities	4.163	4.679	4.643	4.686
Household energy	2.695	3.605	3.154	3.585
Fuel oil and other fuels	(NA)	0.186	(NA)	0.185
Fuel oil	(NA)	0.109	(NA)	0.109
Propane, kerosene, and firewood	(NA)	0.076	(NA)	0.075
Energy services 1/	2.666	3.419	3.126	3.400
Electricity	2.559	2.628	3.006	2.607
Utility (piped) gas service	0.107	0.791	0.120	0.794
Water & sewer & trash collection serv.	(NA)	1.074	(NA)	1.101
Household furnishings and operations	3.311	4.250	3.299	4.257

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Table 14.07-- RELATIVE IMPORTANCE OF COMPONENTS IN THE CONSUMER PRICE INDEX, ALL URBAN CONSUMERS (CPI-U), FOR HONOLULU AND THE UNITED STATES: DECEMBER 2017 AND 2018 -- Con.

Group	2017 CPI-U		2018 CPI-U	
	Honolulu	U.S.	Honolulu	U.S.
EXPENDITURE CATEGORY -- Con.				
Apparel	2.622	3.018	2.373	2.959
Men's and boys' apparel	(NA)	0.737	(NA)	0.735
Women's and girls' apparel	(NA)	1.229	(NA)	1.190
Footwear	(NA)	0.671	(NA)	0.658
Infants' and toddlers' apparel	(NA)	0.134	(NA)	0.138
Jewelry and watches	(NA)	0.247	(NA)	0.237
Transportation	14.001	16.537	13.940	16.348
Private transportation	12.119	15.384	12.028	15.235
Motor fuel	3.284	3.908	3.415	3.762
Gasoline (all types)	3.266	3.823	3.396	3.671
Public transportation 2/	1.882	1.153	1.912	1.113
Medical care	6.207	8.673	6.244	8.682
Medical care commodities 3/	1.367	1.748	1.320	1.707
Medical care services 3/	4.840	6.924	4.924	6.974
Recreation	4.623	5.737	4.704	5.694
Education and communication	6.908	6.707	6.728	6.596
Other goods and services	2.245	3.198	2.244	3.204
Personal care	(NA)	2.547	(NA)	2.544
COMMODITY AND SERVICE GROUP 4/				
All items	100.000	100.000	100.000	100.000
Commodities	33.820	37.327	33.270	36.791
Commodities less food and beverages	18.124	22.968	17.577	22.477
Nondurables less food and beverages	10.397	12.833	10.116	12.524
Durables	7.727	10.135	7.461	9.953
Services	66.180	62.673	66.730	63.209

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Table 14.07-- RELATIVE IMPORTANCE OF COMPONENTS IN THE CONSUMER PRICE INDEX, ALL URBAN CONSUMERS (CPI-U), FOR HONOLULU AND THE UNITED STATES: DECEMBER 2017 AND 2018 -- Con.

Group	2017 CPI-U		2018 CPI-U	
	Honolulu	U.S.	Honolulu	U.S.
SPECIAL AGGREGATE INDEXES 4/				
All items less shelter	59.775	67.157	59.867	66.741
All items less medical care	93.793	91.327	93.756	91.318
All items less energy	94.021	92.487	93.431	92.653
All items less food and energy	79.058	79.103	78.478	79.312
Energy	5.979	7.513	6.569	7.347
Commodities less food	18.857	23.942	18.317	23.450
Nondurables less food	11.130	13.808	10.856	13.497
Nondurables	26.093	27.192	25.810	26.838
Services less rent of shelter	26.128	30.205	26.767	30.325
Rent of shelter 5/	40.052	32.468	39.963	32.884
Services less medical care services	61.340	55.749	61.806	56.235

NA Not available.

1/ Until December 2010, called "Gas (piped) and electricity".

2/ For Honolulu, calculated as "Transportation" less "Private transportation".

3/ For Honolulu, "Medical care services" is calculated as "Services" less "Services less medical care services". Then "Medical care commodities" is calculated as "Medical care" less "Medical care services".

4/ The two U.S.-level categories are published in a single "Special aggregate indexes" category.

5/ For Honolulu, calculated as "Services" less "Services less rent of shelter".

Source: U.S. Bureau of Labor Statistics, "Relative Importance of Components in the Consumer Price Indexes" (annual) tables 1, 2, and 7 <<https://www.bls.gov/cpi/tables/relative-importance/home.htm>> accessed January 11, 2019.

Table 14.08-- MEDIAN GROSS RENT AMOUNT AND AS PERCENTAGE OF HOUSEHOLD INCOME FOR THE UNITED STATES, THE 50 STATES, THE DISTRICT OF COLUMBIA, AND PUERTO RICO: 2017

[Data based on sample. Rank of 1 indicates highest percentage. Areas sorted in order of highest rank in 2017]

Area	Amount (dollars)	Percentage of household income in past 12 months		Area	Amount (dollars)	Percentage of household income in past 12 months	
		Number	Rank			Number	Rank
United States	982	29.8	(X)				
Florida	1,077	33.3	1	Alabama	747	28.9	26
Hawaii	1,507	33.2	2	Pennsylvania	885	28.8	27
Louisiana	825	33.0	3	New Hampshire	1,052	28.7	28
California	1,358	32.7	4	Virginia	1,166	28.7	28
Puerto Rico	464	32.1	(X)	North Carolina	844	28.5	30
New York	1,194	31.5	5	Rhode Island	957	28.5	30
Colorado	1,125	30.9	6	Idaho	792	28.4	32
New Jersey	1,249	30.9	6	Minnesota	906	28.4	32
Oregon	988	30.9	8	Tennessee	808	28.3	34
Connecticut	1,123	30.7	9	Indiana	782	28.2	35
Vermont	945	30.3	10	Alaska	1,200	28.1	36
South Carolina	836	30.2	11	Maine	808	28.0	37
Maryland	1,311	30.0	12	Oklahoma	766	27.9	38
Massachusetts	1,173	29.7	13	Missouri	784	27.7	39
New Mexico	809	29.6	14	Arkansas	709	27.6	40
Delaware	1,076	29.5	15	Utah	948	27.6	40
Illinois	952	29.4	16	Kansas	801	27.5	42
West Virginia	681	29.4	16	Montana	751	27.5	42
Arizona	972	29.2	18	Ohio	764	27.5	42
Dist. of Columbia	1,424	29.2	18	Kentucky	713	27.3	45
Michigan	824	29.2	18	Wisconsin	813	27.2	46
Mississippi	740	29.2	18	Wyoming	828	27.1	47
Texas	952	29.2	18	Iowa	740	26.4	48
Washington	1,120	29.2	18	South Dakota	696	25.7	49
Georgia	927	29.1	24	Nebraska	773	25.2	50
Nevada	1,017	29.1	24	North Dakota	775	24.9	51

X Not applicable.

Source: U.S. Census Bureau, 2016 American Community Survey 1-Year Estimates for the United States and <all states B25064: Median Gross Rent (Dollars) Universe: Renter-occupied housing units paying cash rent <<http://factfinder.census.gov/faces/nav/jsf/pages/searchresults.xhtml?refresh=t>> and B25071: Median Gross Median Gross Rent as a Percentage of Household Income in the Past 12 Months (Dollars) Universe: Renter-occupied housing units paying cash rent <<http://factfinder.census.gov/faces/nav/jsf/pages/searchresults.xhtml?refresh=t>> accessed June 7, 2019 and calculations by Hawaii State Department of Business, Economic Development & Tourism.

Table 14.09-- MORTGAGE STATUS, MEDIAN SELECTED MONTHLY OWNER COSTS BY MORTGAGE STATUS AND AS A PERCENTAGE OF HOUSEHOLD INCOME, HAWAII AND THE UNITED STATES: 2015 TO 2017

[Data based on a sample]

Category	Hawaii	United States
Specified owner-occupied		
2015	252,435	74,506,512
2016	260,626	75,022,569
2017	268,078	76,684,018
Specified owner-occupied with a mortgage		
2015: Number	166,018	47,140,736
Percent	65.8	63.3
2016: Number	171,834	47,295,137
Percent	65.9	63.0
2017: Number	172,214	48,168,243
Percent	64.2	62.8
Specified owner-occupied without a mortgage		
2015: Number	86,417	27,365,776
Percent	34.2	36.7
2016: Number	88,792	27,727,432
Percent	34.1	37.0
2017: Number	95,864	28,515,775
Percent	35.8	37.2
Median selected monthly owner costs (in dollars)		
With a mortgage: 2015	2,248	1,477
2016	2,239	1,486
2017	2,337	1,513
Without a mortgage: 2015	490	468
2016	492	466
2017	497	475
Median selected monthly owner costs as a percentage of		
With a mortgage: 2015	25.7	22.0
2016	25.4	21.5
2017	25.5	21.2
Without a mortgage: 2015	(1/)	11.7
2016	(1/)	11.4
2017	(1/)	11.3

1/ The median falls in the lowest interval of an open-ended distribution.

Source: U.S. Census Bureau, American Community Survey 1-Year Estimates for the United States and Hawaii, Universe: Owner-occupied housing units "B25081 Mortgage Status" (annual), "B25088 Median Selected Monthly Owner Costs (Dollars) by Mortgage Status" (annual), and "B25092 Median Selected Monthly Owner Costs as a Percentage of Household Income in the Past 12 Months" (annual) <<http://factfinder.census.gov/faces/nav/jsf/pages/searchresults.xhtml?refresh=t>> accessed January 25, 2019; and calculations by Hawaii State Department of Business, Economic Development & Tourism.

Table 14.10-- MEDIAN SELECTED MONTHLY OWNER COSTS BY MORTGAGE STATUS AND AS A PERCENTAGE OF HOUSEHOLD INCOME, FOR THE UNITED STATES, THE 50 STATES, THE DISTRICT OF COLUMBIA, AND PUERTO RICO: 2016 AND 2017

[In dollars and percent. Data based on a sample]

Area	Median selected monthly owner costs				Median selected monthly owner costs as a percentage of household income			
	With a mortgage		Without a mortgage		With a mortgage		Without a mortgage	
	2016	2017	2016	2017	2016	2017	2016	2017
United States	1,486	1,513	466	475	21.5	21.2	11.4	11.3
Alabama	1,126	1,123	337	337	19.4	19.1	(1/)	(1/)
Alaska	1,851	1,844	547	591	21.9	21.9	(1/)	11.2
Arizona	1,328	1,365	393	398	21.4	21.2	10.1	(1/)
Arkansas	1,017	1,025	325	328	18.8	18.5	(1/)	(1/)
California	2,188	2,269	546	573	25.4	25.3	11.0	11.2
Colorado	1,597	1,681	437	454	21.4	21.4	(1/)	(1/)
Connecticut	1,997	1,976	819	843	22.6	22.7	14.5	14.6
Delaware	1,463	1,507	438	429	21.2	21.3	(1/)	(1/)
Dist. Of Col.	2,422	2,432	638	683	21.0	21.0	(1/)	(1/)
Florida	1,410	1,423	474	476	23.4	22.9	12.3	12.0
Georgia	1,336	1,341	398	395	20.3	19.8	10.5	(1/)
Hawaii	2,239	2,337	492	497	25.4	25.5	(1/)	(1/)
Idaho	1,168	1,213	348	369	20.6	21.3	(1/)	(1/)
Illinois	1,588	1,603	591	617	21.5	21.3	12.8	12.9
Indiana	1,070	1,089	377	383	18.3	18.1	(1/)	(1/)
Iowa	1,186	1,205	447	457	18.7	18.7	10.8	11.0
Kansas	1,264	1,314	465	483	19.4	19.3	11.2	11.4
Kentucky	1,111	1,123	346	352	19.2	18.8	10.3	10.3
Louisiana	1,214	1,233	318	326	19.8	19.7	(1/)	(1/)
Maine	1,328	1,313	454	469	21.7	20.7	12.8	12.2
Maryland	1,918	1,915	592	596	22.0	21.5	10.9	10.7
Massachusetts	2,069	2,108	736	770	22.5	22.1	14.0	14.0
Michigan	1,215	1,231	462	466	19.4	19.3	12.1	11.9
Minnesota	1,472	1,500	482	503	19.8	19.7	10.6	10.4
Mississippi	1,087	1,090	335	328	20.0	20.1	10.9	10.0
Missouri	1,210	1,207	408	418	19.5	19.0	11.0	10.8
Montana	1,327	1,367	399	421	22.4	21.5	10.6	11.2
Nebraska	1,290	1,334	487	499	19.2	19.5	11.3	11.3
Nevada	1,401	1,428	401	397	22.4	22.0	(1/)	(1/)

Continued on next page.

Table 14.10-- MEDIAN SELECTED MONTHLY OWNER COSTS BY MORTGAGE STATUS AND AS A PERCENTAGE OF HOUSEHOLD INCOME, FOR THE UNITED STATES, THE 50 STATES, THE DISTRICT OF COLUMBIA, AND PUERTO RICO: 2016 AND 2017 -- Con.

Area	Median selected monthly owner costs				Median selected monthly owner costs as a percentage of household income			
	With a mortgage		Without a mortgage		With a mortgage		Without a mortgage	
	2016	2017	2016	2017	2016	2017	2016	2017
New Hampshire	1,821	1,874	743	769	22.4	22.2	15.0	14.1
New Jersey	2,343	2,348	988	1,001	24.7	24.1	17.1	16.1
New Mexico	1,210	1,244	339	340	21.7	21.6	(1/)	(1/)
New York	2,020	2,036	703	726	23.1	22.9	13.5	13.4
North Carolina	1,225	1,242	376	373	20.2	19.6	10.5	10.1
North Dakota	1,318	1,356	421	434	18.2	18.8	(1/)	(1/)
Ohio	1,211	1,214	447	450	19.4	19.0	11.4	11.3
Oklahoma	1,168	1,183	370	382	19.6	19.8	10.0	10.2
Oregon	1,572	1,629	488	528	22.7	23.0	11.8	12.5
Pennsylvania	1,416	1,438	498	509	20.6	20.1	12.7	12.4
Rhode Island	1,740	1,782	687	693	23.3	23.1	14.4	13.7
South Carolina	1,182	1,195	351	351	20.5	19.7	10.3	(1/)
South Dakota	1,239	1,283	453	458	19.4	19.5	10.5	10.2
Tennessee	1,172	1,184	362	367	20.3	19.7	10.1	(1/)
Texas	1,469	1,513	474	484	20.9	20.7	11.3	11.2
Utah	1,437	1,467	403	408	21.0	21.0	(1/)	(1/)
Vermont	1,507	1,527	632	645	23.2	23.2	15.3	15.0
Virginia	1,692	1,718	449	447	21.3	21.2	(1/)	(1/)
Washington	1,727	1,806	531	569	22.5	22.5	11.1	11.3
West Virginia	997	984	307	312	18.4	18.6	(1/)	(1/)
Wisconsin	1,348	1,358	517	526	20.4	19.9	12.6	12.2
Wyoming	1,367	1,386	393	399	20.5	21.0	(1/)	(1/)
Puerto Rico	846	828	138	140	26.9	27.0	(1/)	(1/)

1/ The median falls in the lowest interval of an open-ended distribution.

Source: U.S. Census Bureau, 2016 American Community Survey 1-Year Estimates for the United States and Hawaii, Universe: Owner-occupied housing units "B25088 Median Selected Monthly Owner Costs (Dollars) by Mortgage Status" (annual), and "B25092 Median Selected Monthly Owner Costs as a Percentage of Household Income in the Past 12 Months" (annual)

<http://factfinder.census.gov/faces/nav/jsf/pages/searchresults.xhtml?refresh=t> accessed January 25, 2019.

Table 14.11-- SINGLE-FAMILY HOME PRICE APPRECIATION FOR THE UNITED STATES, THE 50 STATES, AND THE DISTRICT OF COLUMBIA: 1991 TO 2018

[In percent change from previous period and number. Period ending December 31 unless otherwise indicated. The House Price Index is based on transactions involving conforming, conventional mortgages purchased or securitized by Fannie Mae or Freddie Mac. The HPI is a broad measure of the movement of single-family house prices. It serves as a timely, accurate indicator of house price trends at various geographic levels. The HPI is a weighted, repeat-sales index, meaning that it measures average price changes in repeat sales or refinancings on the same properties]

State	One-year (percent)	Rank 1/	Five-year (percent)	Since 1991, 1st quarter (percent)
United States 2/	5.73	(X)	32.81	165.78
Idaho	11.93	1	55.13	238.32
Nevada	11.20	2	65.91	166.37
Utah	9.80	3	47.18	321.57
Georgia	8.25	4	42.15	146.71
Arizona	8.17	5	42.31	226.22
Washington	7.94	6	58.91	269.80
Wisconsin	7.64	7	29.55	166.02
Montana	7.39	8	29.05	306.57
Michigan	7.35	9	41.50	133.51
Missouri	7.26	10	30.30	144.47
Mississippi	7.12	11	17.39	109.85
Tennessee	6.86	12	38.33	169.03
Kansas	6.86	13	29.19	151.18
Florida	6.79	14	50.36	212.49
New Hampshire	6.78	15	31.21	157.29
Colorado	6.74	16	56.56	367.80
North Carolina	6.73	17	34.38	148.62
South Carolina	6.71	18	36.55	150.04
Maine	6.62	19	27.81	156.37
Minnesota	6.50	20	31.84	192.78
Oregon	6.35	21	49.37	331.65
Indiana	6.30	22	29.01	113.27
Massachusetts	6.29	23	30.79	193.74
South Dakota	6.19	24	25.61	200.28
Ohio	6.00	25	29.64	105.49
Kentucky	5.81	26	27.21	144.68
Nebraska	5.42	27	28.95	168.01
District of Columbia	5.39	28	44.21	478.83
Hawaii	5.37	29	34.49	165.87
California	5.35	30	41.41	185.28
Texas	5.11	31	38.93	193.66

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Table 14.11-- SINGLE-FAMILY HOME PRICE APPRECIATION FOR THE UNITED STATES, THE 50 STATES, AND THE DISTRICT OF COLUMBIA: 1991 TO 2018 -- Con.

State	One-year (percent)	Rank 1/	Five-year (percent)	Since 1991, 1st quarter (percent)
Rhode Island	5.04	32	32.27	135.33
Pennsylvania	5.02	33	21.07	129.82
Arkansas	4.87	34	20.96	125.10
Alabama	4.60	35	22.57	123.41
Virginia	4.42	36	21.09	163.60
Delaware	4.40	37	14.75	107.95
Iowa	4.37	38	21.44	149.13
New York	4.30	39	21.28	146.83
Wyoming	3.91	40	15.89	248.95
New Mexico	3.73	41	18.89	145.59
Alaska	3.35	42	14.09	163.96
New Jersey	3.32	43	16.41	141.57
Illinois	2.76	44	18.13	105.07
Maryland	2.74	45	15.91	153.21
Vermont	2.63	46	14.32	140.32
Oklahoma	2.04	47	21.00	142.89
Louisiana	1.83	48	17.05	180.65
West Virginia	1.59	49	10.85	113.93
Connecticut	0.93	50	7.43	74.21
North Dakota	0.02	51	16.08	211.10

X Not applicable.

1/ Rank based on one-year appreciation. The lower the rank, the higher the appreciation.

2/ United States figures based on weighted average of nine Census Divisions.

Source: Federal Housing Finance Agency (FHFA) "U.S. House Prices Rise 1.1 Percent in Fourth Quarter" pp. 16-17 (February 26, 2019)

<<https://www.fhfa.gov/AboutUs/Reports/Pages/US-House-Price-Index-Report-4Q-2018.aspx>> accessed April 3, 2019.

Table 14.12-- COST OF LIVING ANALYSES FOR HONOLULU AND THE UNITED STATES AVERAGE: JULY 1, 2012

[This formulation assumed consumption patterns vary according to earnings level. It compares the 'base city' to a the 'destination' using the same pattern but at the destination's prices. This profiles a cost-of-living model rental (approximates the rental equivalent of owner-occupied housing) situations for a family of 4, annual earnings of \$76,000, a 2,000 sq. ft. home, with 3 vehicles having a total value \$30,000 and driven a total of 30,000 miles annually. The Institute model may be considered as an evolution of the U.S. Department of Labor's "Urban Family of Four" model which the Bureau of Labor Statistics discontinued in 1981]

Category	Honolulu	Percent of total	U.S. average	Percent of total	Honolulu indexed to U.S. average
Total, earnings level #1	76,000	100.0	41,014	100.0	185.3
Goods and services	29,388	38.7	21,283	51.9	138.1
Consumables	20,850	27.4	14,212	34.7	146.7
Transportation	6,150	8.1	5,040	12.3	122.0
Health services	2,388	3.1	2,031	5.0	117.6
Rent, utilities, insurance	46,686	61.4	21,929	53.5	212.9
Income and payroll taxes	17,917	23.6	15,793	38.5	113.4
Miscellaneous 1/	-17,991	-23.7	-17,991	-43.9	100.0
Exhibit: monthly rent 2/	3,442	54.3	1,551	45.4	221.9
Total, earnings level #2	114,519	100.0	76,000	100.0	150.7
Goods and services	42,682	37.3	31,044	40.8	137.5
Consumables	29,031	25.4	19,722	26.0	147.2
Transportation	10,851	9.5	8,931	11.8	121.5
Health services	2,800	2.4	2,391	3.1	117.1
Rent, utilities, insurance	46,686	40.8	21,929	28.9	212.9
Income and payroll taxes	17,917	15.6	15,793	20.8	113.4
Miscellaneous	7,234	6.3	7,234	9.5	100.0
Exhibit: monthly rent 2/	3,442	36.1	1,551	24.5	221.9

1/ 'Miscellaneous' includes charitable contributions, tuition for dependents or child care, insurance premiums, personal savings, investments, credit card debt payments, vacations, etc. A negative value suggests that the spending pattern is 'too rich' for the earnings level.

2/ Percent of total is calculated based on annual rent.

Source: ERI Economic Research Institute, Relocation Assessor, "Relocation Analysis Report" (July 11, 2012) and calculations by Hawaii State Department of Business, Economic Development & Tourism.

Table 14.13-- COST OF LIVING AMONG TOP STATES FOR BUSINESS CATEGORY RANKINGS: 2015 TO 2019

[The CNBC survey scored all 50 states on as many as 66 measures of competitiveness developed with input from business groups including the U.S. Chamber of Commerce and the Center for Regional Economic Competitiveness. States received points based on their rankings in each of ten broad categories, weighted according to how frequently they are cited in state economic development marketing materials. A rank of 1 indicates most favorable. Sorted by 2019 category weights]

Category	2015			2016			2017			2018			2019		
	Category wt. 1/	Score	Rank	Category wt. 1/	Score	Rank	Category wt. 1/	Score	Rank	Category wt. 1/	Score	Rank	Category wt. 1/	Score	Rank
Overall	2,500	945	50	2,500	1,009	49	2,525	998	49	2,500	1,006	47	2,500	941	49
Workforce	400	162	46	400	165	48	450	188	48	425	148	48	450	182	46
Economy	340	123	3/ 42	340	181	25	300	135	35	300	134	33	375	93	47
Infrastructure 2/	350	94	49	350	116	46	400	152	40	400	173	40	350	107	49
Cost of doing bus.	350	45	50	350	45	50	350	49	50	350	70	49	350	50	49
Quality of life	325	310	1	325	295	1	300	268	1	300	264	2	325	297	1
Tech. & innovation	250	93	3/ 36	250	90	38	225	64	45	225	63	42	175	53	40
Education	200	67	45	200	74	43	200	90	30	200	94	31	175	93	26
Business friendliness	160	35	44	160	27	46	150	29	47	150	37	43	175	51	42
Access to capital	50	14	37	50	14	37	100	22	41	100	22	42	75	14	44
Cost of living	75	2	50	75	2	50	50	1	50	50	1	50	50	1	50

1/ Weighting reevaluated for each study. See "America's Top States for Business: Our methodology and sources" for 2015 <<http://www.cnbc.com/id/102701598>> accessed June 26, 2015; for 2016 <<http://www.cnbc.com/2016/06/23/americas-top-states-for-business-2016-our-methodology.html>> accessed July 12, 2016; for 2017 <<http://www.cnbc.com/2017/06/12/heres-how-your-state-can-become-a-cnbc-top-state-for-business.html>> accessed June 30, 2017; and for 2018 <<https://www.cnbc.com/2018/06/13/cnbcs-top-states-for-business-2018-methodology-and-sources.html>> accessed July 10, 2018; and for 2019 <<https://www.cnbc.com/2019/06/08/how-cnbc-chose-americas-top-states-for-business-in-2019.html>> accessed July 24, 2019.

2/ Is variously 'Infrastructure' or 'Infrastructure & transportation'.

3/ Tied with Maine.

Source: CNBC "America's Top Ten States for Business: for 2015 <<http://www.cnbc.com/id/101747925>> and "Hawaii" <<http://www.cnbc.com/id/102570702>> and "Maine" <<http://www.cnbc.com/id/102573450>> accessed June 26, 2015; for 2016 <<http://www.cnbc.com/2016/07/12/americas-top-states-for-business-2016-the-list-and-ranking.html>> and "Hawaii" <<http://www.cnbc.com/2016/07/12/top-states-for-business-49-hawaii.html>> accessed July 14, 2016; and for 2017 <<http://www.cnbc.com/2017/07/11/americas-top-states-for-business-2017-overall-ranking.html>> and "Hawaii" <<http://www.cnbc.com/2017/06/12/heres-how-your-state-can-become-a-cnbc-top-state-for-business.html>> accessed July 12, 2017; for 2018 <<https://www.cnbc.com/2018/07/10/americas-top-states-for-business-2018.html>> and "Hawaii" <<https://www.cnbc.com/2018/07/10/top-states-for-business-hawaii.html>> accessed July 10, 2018; for 2019 <<https://www.cnbc.com/americas-top-states-for-business/>> and "Hawaii" <<https://www.cnbc.com/2019/07/09/top-states-for-business-hawaii.html>> accessed July 24, 2019.

**Table 14.14-- AVERAGE ANNUAL COST OF FULL-TIME CHILD CARE,
BY PROVIDER, BY STATE AND THE DISTRICT OF COLUMBIA: 2017**

[Data collected during Child Care Aware of America's February 2018 survey of Child Care Resource and Referral State Networks. Some states used the latest state market rate survey]

Area	Child care center			Family child care		
	Infant	4-year-old	School-age 1/	Infant	4-year-old	School-age 1/
Alabama	5,858	5,061	5,516	4,989	5,128	4,948
Alaska	11,832	9,847	6,934	8,917	7,946	5,217
Arizona	10,687	8,344	5,162	7,141	6,789	4,884
Arkansas 2/	6,726	5,348	2,362	5,364	4,944	2,364
California	16,542	11,202	3,736	10,609	9,984	3,845
Colorado	14,960	12,095	(NA)	10,522	9,953	(NA)
Connecticut	15,132	12,428	3,276	10,556	10,088	3,588
Delaware	10,759	8,665	3,617	7,716	6,880	2,745
Dist. of Columbia 3/	23,666	18,657	14,245	16,737	14,293	8,844
Florida	9,018	7,109	3,345	7,779	6,592	3,361
Georgia	8,327	7,132	2,942	6,454	5,848	(NA)
Hawaii	13,404	8,724	(NA)	8,436	8,136	(NA)
Idaho	7,296	6,300	4,239	6,264	5,676	4,041
Illinois	13,474	10,125	6,330	8,442	7,802	5,117
Indiana	12,312	9,330	4,378	6,878	6,089	3,447
Iowa	10,131	8,428	3,011	7,070	7,800	2,369
Kansas	10,955	8,589	4,875	6,749	6,154	4,368
Kentucky	6,258	6,258	5,524	(NA)	(NA)	(NA)
Louisiana	7,540	6,742	2,925	6,500	5,850	(NA)
Maine	9,224	8,095	3,588	8,045	7,395	3,392
Maryland	14,970	10,010	4,437	10,009	8,143	3,716
Massachusetts	20,415	14,736	5,898	12,750	12,066	5,192
Michigan	10,603	8,678	4,234	7,387	6,976	4,595
Minnesota	15,704	11,960	(NA)	8,424	7,644	(NA)
Mississippi 3/	5,307	4,670	1,987	3,570	2,813	896
Missouri	9,802	6,847	(NA)	5,708	4,940	(NA)
Montana	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Nebraska	12,272	11,148	(NA)	12,480	12,480	(NA)
Nevada	11,137	8,835	5,275	8,916	8,188	4,737
New Hampshire	12,487	10,102	3,588	9,336	8,813	3,365
New Jersey 3/	12,679	10,597	5,676	9,544	8,689	4,956
New Mexico	8,412	7,428	(NA)	6,684	6,348	(NA)
New York	15,028	12,064	(NA)	10,972	10,140	(NA)

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**Table 14.14-- AVERAGE ANNUAL COST OF FULL-TIME CHILD CARE,
BY PROVIDER, BY STATE AND THE DISTRICT OF COLUMBIA:
2017 -- Con.**

Area	Child care center			Family child care		
	Infant	4-year-old	School-age 1/	Infant	4-year-old	School-age 1/
North Carolina	9,254	7,920	3,275	7,412	6,548	2,994
North Dakota	8,875	8,025	(NA)	7,283	6,994	(NA)
Ohio	9,466	7,707	4,168	7,467	6,343	3,434
Oklahoma	8,372	6,448	4,160	6,916	6,084	4,212
Oregon	13,292	9,822	4,032	8,990	8,228	4,626
Pennsylvania	11,560	9,540	(NA)	8,712	7,148	(NA)
Rhode Island	13,370	10,433	5,584	10,433	9,609	4,668
South Carolina 3/	6,840	5,863	2,399	4,797	4,531	1,999
South Dakota	(NA)	6,198	4,586	(NA)	5,242	3,947
Tennessee	8,524	7,290	2,487	6,183	5,715	2,542
Texas 3/	9,102	6,894	3,342	6,994	5,404	2,750
Utah	9,708	7,464	(NA)	7,344	6,480	(NA)
Vermont	12,507	11,438	4,324	8,694	8,264	3,711
Virginia	13,728	10,608	4,875	10,140	8,684	3,432
Washington	14,208	10,788	4,599	10,812	9,300	4,140
West Virginia 3/	8,528	7,462	4,997	6,663	5,863	3,998
Wisconsin	12,268	9,954	3,720	9,645	8,611	4,482
Wyoming	10,394	8,795	7,017	7,995	7,995	7,995

NA Not available or not reported.

1/ Based on a before-/after-school for 9-month school year.

2/ Did not report costs for "Child Care Center School-age" on 2018 survey. Data from previous year adjusted for inflation.

3/ State did not report costs on 2018 survey. Data from previous year adjusted for inflation.

Source: Child Care Aware of America, *Parents and the High Cost of Child Care 2018 Appendices*, Appendix I: "2017 Average Annual Cost of Full-Time Center-Based Child Care by State" (p. 4) and Appendix II: "2017 Average Annual Cost of Full-Time Family Child Care by State" (p. 5)

<<http://usa.childcareaware.org/advocacy-public-policy/resources/research/costofcare/>> accessed January 25, 2019.

Table 14.15-- HOUSING'S MOST EXPENSIVE 25 MARKETS AND MOST AFFORDABLE 25 MARKETS IN THE UNITED STATES: 2016

[The Coldwell Banker "U.S. Home Listing Report" analyzes the average listing price of four-bedroom, two-bathroom properties on coldwellbanker.com listed between January 2016 and June 2016 from 51,163 listings in 2,168 markets. Markets without 10 such properties were excluded]

Rank	Most expensive		Average listing price	Rank	Most affordable		Average listing price
1	Saratoga	CA	2,453,718	1	Detroit	MI	64,110
2	Newport Beach	CA	2,130,338	2	Cleveland	OH	73,073
3	Cupertino	CA	1,812,833	3	Park Forest	IL	78,392
4	Redwood City	CA	1,807,068	4	Jamestown	NY	88,891
5	Arcadia	CA	1,748,680	5	Utica	NY	92,891
6	Carmel	CA	1,722,500	6	Wilkes-Barre	PA	94,436
7	San Francisco	CA	1,672,100	7	Scranton	PA	104,842
8	La Canada Flintridge	CA	1,571,846	8	Huntington	IN	105,614
9	Sunnyvale	CA	1,566,616	9	Augusta	GA	106,567
10	Los Gatos	CA	1,470,524	10	Palatka	FL	110,655
11	San Mateo	CA	1,425,200	11	Geneva	NY	112,600
12	Greenwich	CT	1,349,048	12	Kankakee	IL	112,958
13	Wellesley	MA	1,294,684	13	Cheektowaga	NY	113,244
14	Honolulu	HI	1,202,219	14	Albertville	AL	114,258
15	Santa Barbara	CA	1,165,727	15	Jackson	MI	114,860
16	Danville	CA	1,152,886	16	Country Club Hills	IL	116,400
17	Westport	CT	1,119,279	17	Beloit	WI	117,655
18	San Rafael	CA	1,114,714	18	Hephzibah	GA	118,460
19	Pasadena	CA	1,082,091	19	Johnstown	PA	118,589
20	Bellevue	WA	1,078,976	20	Parsons	KS	118,628
21	Calabasas	CA	1,066,783	21	Danville	IL	118,970
22	Cambridge	MA	1,057,120	22	Binghamton	NY	119,251
23	Concord	MA	1,040,290	23	Jackson	MS	119,580
24	San Jose	CA	1,011,871	24	Bluefield	WV	119,945
25	Walnut Creek	CA	1,004,900	25	Grenada	MS	120,925

Source: Coldwell Banker, "Homebuyers: Report Reveals Most Expensive and Affordable Real Estate Markets in United States" (September 8, 2016) <<https://www.coldwellbanker.com/article/report-reveals-most-expensive-and-affordable-real-estate-markets-in-us>> accessed November 1, 2016.

Table 14.16-- AVERAGE GASOLINE PRICE FOR THE UNITED STATES AND FOR THE 50 STATES AND THE DISTRICT OF COLUMBIA: JULY 10, 2019

[Over 120,000 retail gasoline stations are surveyed and updated daily. Prices are in dollars per gallon. Rank of 1 indicates highest price per gallon. Rank is among 50 states and District of Columbia]

Item	Regular	Mid-grade	Premium	Diesel
Hawaii	3.653	3.823	4.003	4.250
Hawaii rank	2	2	2	1
U. S. average	2.750	3.066	3.318	3.003
Hawaii as percent of U.S. average	132.8	124.7	120.6	141.5
Alabama	2.394	2.707	3.017	2.812
Alaska	3.235	3.322	3.481	3.049
Arizona	2.848	3.078	3.294	3.046
Arkansas	2.381	2.653	2.912	2.776
California	3.754	3.920	4.029	3.994
Colorado	2.697	2.964	3.237	2.831
Connecticut	2.870	3.168	3.377	3.228
Delaware	2.595	2.933	3.143	2.916
District of Columbia	2.850	3.358	3.495	3.104
Florida	2.650	2.967	3.244	2.892
Georgia	2.601	2.914	3.211	2.961
Hawaii	3.653	3.823	4.003	4.250
Idaho	2.961	3.129	3.300	3.013
Illinois	3.054	3.403	3.780	3.029
Indiana	2.783	3.076	3.390	2.994
Iowa	2.587	2.708	3.089	2.885
Kansas	2.509	2.739	2.966	2.788
Kentucky	2.607	2.915	3.210	2.862
Louisiana	2.388	2.675	2.950	2.752
Maine	2.697	2.977	3.196	3.025
Maryland	2.709	3.075	3.299	2.983
Massachusetts	2.736	2.997	3.182	3.050
Michigan	2.804	3.134	3.462	2.971
Minnesota	2.616	2.818	3.103	2.938
Mississippi	2.356	2.629	2.936	2.733
Missouri	2.466	2.700	2.946	2.732
Montana	2.795	3.019	3.279	2.927
Nebraska	2.595	2.685	3.009	2.843
Nevada	3.294	3.482	3.637	3.233
New Hampshire	2.619	2.920	3.154	2.965
New Jersey	2.813	3.139	3.323	3.078
New Mexico	2.596	2.865	3.096	2.900
New York	2.873	3.145	3.366	3.216

Continued on next page.

Table 14.16-- AVERAGE GASOLINE PRICE FOR THE UNITED STATES AND FOR THE 50 STATES AND THE DISTRICT OF COLUMBIA: JULY 10, 2019 -- Con.

Item	Regular	Mid-grade	Premium	Diesel
North Carolina	2.548	2.852	3.159	2.912
North Dakota	2.637	2.844	3.041	2.861
Ohio	2.768	3.065	3.388	2.959
Oklahoma	2.442	2.662	2.857	2.670
Oregon	3.211	3.402	3.567	3.208
Pennsylvania	2.909	3.205	3.464	3.415
Rhode Island	2.736	3.029	3.226	3.078
South Carolina	2.416	2.716	3.007	2.799
South Dakota	2.690	2.797	3.141	2.893
Tennessee	2.464	2.776	3.070	2.856
Texas	2.469	2.769	3.031	2.738
Utah	2.927	3.079	3.237	2.977
Vermont	2.716	2.979	3.216	3.024
Virginia	2.473	2.828	3.107	2.865
Washington	3.344	3.549	3.691	3.318
West Virginia	2.659	2.899	3.172	3.012
Wisconsin	2.705	3.026	3.402	2.885
Wyoming	2.765	2.964	3.183	3.016

Source: AAA's Daily Gas Prices, National Average, State Prices and Compare Prices <<http://gasprices.aaa.com/>> accessed July 10, 2019; and calculations by the Hawaii Department of Business, Economic Development & Tourism.

Table 14.17-- CENTRAL BUSINESS DISTRICT PARKING RATES FOR HONOLULU AND THE UNITED STATES AVERAGE: 2012

[Survey only includes covered and underground garages in prime central business districts (CBD) in 56 markets in North America, with 44 of them in the U.S. Parking rate data were collected during the month of June 2012 and includes all relevant taxes. Sources include third parties, owners/operators and Colliers International. For reserved parking, the customer is guaranteed the same space for every entry. For unreserved parking, the customer is guaranteed a space upon entry. For daily parking, the customer is permitted to park for a full day and is not impacted by "early bird" restrictions]

Category 1/	Segment	Honolulu	United States average	Honolulu as percent of United States average
Monthly unreserved	Parking rate – high	255.00	226.84	112.41
Monthly unreserved	Parking rate – low	195.00	108.06	180.46
Monthly unreserved	Parking rate – median	230.00	166.26	138.34
Monthly reserved	Parking rate – high	395.00	273.41	144.47
Monthly reserved	Parking rate – low	287.96	137.67	209.17
Monthly reserved	Parking rate – median	350.00	196.21	178.38
Daily parking	Rate – high	75.00	27.13	276.45
Daily parking	Rate – low	21.00	9.64	217.84
Daily parking	Rate – median	42.00	17.19	244.33
Hourly parking	Rate – high	10.00	9.73	102.77
Hourly parking	Rate – low	1.50	2.71	55.35
Hourly parking	Rate – median	6.50	5.77	112.65
Garages offering additional services (percent)		5	23.2	21.6
Garages with waiting lists (percent)		5	6.2	80.6
Typical wait period (number of months)		2.0	9.3	(X)
Availability of parking		2/ Fair	(X)	(X)
Additional garages within next 24 months		-	11	(X)
Parking spots to be added		-	4,042	(X)

X Not applicable.

1/ 'Early Bird' refers to discounted parking offered to those that park before the work day begins. Both 'Early Bird' and 'Hourly metered parking' were tabulated separately in previous reports but not in 2009 to 2011.

2/ Refers to parking garages usually full Monday to Friday and on weekends during special events.

Source: Colliers International North America, "2012 CBD Parking rates, North America, Central Business District, Parking Rate Survey" <<http://www.colliers.com/Country/UnitedStates/Research>> accessed July 7, 2012 and calculations by Hawaii State Department of Business, Economic Development & Tourism.

**Table 14.18-- TOP 50 MOST EXPENSIVE CAR RENTAL DESTINATIONS
IN THE UNITED STATES: AUGUST 2016**

[The table below compares car rental rates of 50 destinations in the United States. The prices shown reflect the average daily rate for the cheapest available rental car in each destination during the period spanning August 1 through August 31, 2016. Each city's main airport was chosen as the Pick-Up and Drop-Off location. Rank of 1 assigned to the highest car rental rate]

Rank	City and state	Rate (dollars) 1/	Rank	City and state	Rate (dollars) 1/
1	Philadelphia	83	26	Oakland	52
2	Seattle	81	27	Kansas City	51
3	Boston	80	27	Memphis	51
3	Chicago	73	29	Washington DC	50
5	Detroit	71	30	Raleigh	49
6	Portland	69	30	San Jose	48
7	Cincinnati	67	30	San Francisco	47
7	Indianapolis	61	30	Jacksonville	47
9	Denver	61	30	Salt Lake City	46
9	Cleveland	60	35	Palm Springs	45
11	Newark	59	36	Pittsburgh	45
11	Albuquerque	59	37	Savannah	45
13	St. Louis	59	38	San Antonio	45
14	New York	57	39	Baltimore	44
14	Minneapolis	57	40	Milwaukee	44
14	Buffalo	56	41	Charlotte	43
17	Reno	55	41	Phoenix	42
17	Atlanta	55	41	Honolulu	42
19	New Orleans	55	41	Las Vegas	41
20	Nashville	55	45	Los Angeles	41
21	Tucson	53	45	San Diego	40
21	Dallas	53	47	Fort Lauderdale	32
23	Sacramento	53	48	Tampa	30
24	Austin	52	48	Miami	28
24	Houston	52	50	Orlando	26

1/ Rank is as reported in source although not all cities with same rate shown are given same rank.

Source: CheapCarRental "The Most Expensive Car Rental Destinations in the USA"
(August 6, 2016) <<https://www.cheapcarrental.net/press.html>> accessed May 22, 2019.

Table 14.19-- CAR RENTAL RATES FOR 30 MAJOR UNITED STATES CITIES: CHRISTMAS PREMIUM 2018

[The survey compared the rates at 40 popular U.S. destinations over the December 23 to December 27, 2018 period for the cheapest available rental car to the average car rental prices for winter outside the survey period. Rates were established on December 15, 2018 via a leading car rental comparison engine. Each city's main airport was chosen as the pick-up and drop-off location. Rank of 1 assigned to the highest car rental rate]

Rank	City	Rate (dollars)	'Holiday' premium (percent)
1	New York City	179	223
2	Seattle	118	315
3	New Orleans	109	84
4	Denver	104	187
5	Honolulu	99	157
6	Boston	95	215
7	Pittsburgh	94	114
8	Minneapolis	87	84
9	Portland	86	118
10	Tampa	86	186
11	San Diego	82	194
12	Washington DC	81	105
13	Jacksonville	79	168
14	Albuquerque	78	60
15	Atlanta	77	131
16	San Francisco	71	151
17	Kansas City	70	49
18	Houston	66	61
19	Dallas	65	77
20	St Louis 61	0	102
21	Indianapolis	61	82
22	Philadelphia	57	17
23	Austin	56	67
24	Charlotte	56	15
25	Los Angeles	55	155
26	Nashville	55	22
27	Baltimore	54	37
28	Cincinnati	53	40
29	Chicago	52	63
30	Miami	51	118

Source: CheapCarRental "The most expensive car rental destinations over the Christmas holidays " (December 20, 2018) <<https://www.cheapcarrental.net/press/christmas18.html>> accessed January 25, 2019.

Table 14.20-- AVERAGE ANNUAL AUTO INSURANCE RATES AND AS PERCENT OF MEDIAN ANNUAL HOUSEHOLD INCOME FOR THE 50 STATES AND THE DISTRICT OF COLUMBIA: JUNE 2012

[Median car insurance rates are determined by a Quadrant Information Services and were based on actual customer profiles of online car insurance shoppers that can include multiple drivers, multiple vehicles and other variables. Income data are from the 2010 Census and car insurance data collected June 2012. Ranking based on car insurance as highest percent of household income]

Rank	State	Median price of annual car insurance	Median annual household income	Car insurance as percent of household income
1	Michigan	4,490	56,101	8.00
2	Louisiana	2,912	52,456	5.55
3	Kentucky	2,292	50,392	4.55
4	West Virginia	2,074	48,927	4.24
5	Mississippi	1,840	45,484	4.05
6	Arkansas	1,722	47,049	3.66
7	Delaware	2,456	68,746	3.57
8	New York	2,334	65,897	3.54
9	Nevada	2,070	60,192	3.44
10	Florida	1,784	53,093	3.36
11	District of Columbia	2,570	77,514	3.32
12	South Carolina	1,682	51,704	3.25
13	Rhode Island	2,132	67,814	3.14
14	Arizona	1,724	55,353	3.12
15	New Jersey	2,556	82,427	3.10
16	Oklahoma	1,610	51,958	3.10
17	Georgia	1,632	55,209	2.96
18	South Dakota	1,772	59,987	2.95
19	Pennsylvania	1,828	61,890	2.95
20	Alabama	1,476	50,429	2.93
21	Tennessee	1,452	51,083	2.84
22	Minnesota	1,924	69,625	2.76
23	Missouri	1,550	56,214	2.76
24	Illinois	1,716	65,417	2.62
25	New Mexico	1,306	51,020	2.56
26	Texas	1,420	56,575	2.51
27	Montana	1,354	54,507	2.48
28	Idaho	1,290	52,342	2.47
29	Connecticut	1,984	81,246	2.44
30	Maryland	2,030	83,137	2.44
31	Kansas	1,480	61,013	2.43
32	Colorado	1,562	67,800	2.30

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Table 14.20-- AVERAGE ANNUAL AUTO INSURANCE RATES AND AS PERCENT OF MEDIAN ANNUAL HOUSEHOLD INCOME FOR THE 50 STATES AND THE DISTRICT OF COLUMBIA: JUNE 2012 -- Con.

Rank	State	Median price of annual car insurance	Median annual household income	Car insurance as percent of household income
33	Indiana	1,268	55,368	2.29
34	Wisconsin	1,400	62,088	2.26
35	Nebraska	1,348	60,812	2.22
36	Vermont	1,380	62,575	2.21
37	Washington	1,458	67,328	2.17
38	North Dakota	1,384	65,207	2.12
39	Wyoming	1,394	65,841	2.12
40	Utah	1,270	61,618	2.06
41	Ohio	1,128	56,518	2.00
42	Maine	1,160	58,197	1.99
43	Virginia	1,444	72,476	1.99
44	California	1,304	65,481	1.99
45	New Hampshire	1,484	74,634	1.99
46	Iowa	1,202	60,917	1.97
47	Oregon	1,108	56,661	1.96
48	Alaska	1,348	76,962	1.75
49	Hawaii	1,244	76,134	1.63
50	North Carolina	860	52,920	1.63
51	Massachusetts	1,128	78,653	1.43

Source: CarInsurance.com "10 states where car insurance really bites your budget"
 <http://www.carinsurancequotes.com/car_insurance-costs> accessed July 30, 2012.

Table 14.21-- AVERAGE ANNUAL AUTO INSURANCE RATES FOR THE 50 STATES: 2019

[Average cost of car insurance from 6 of the largest auto insurance companies in the United States: Allstate, Farmers, GEICO, Nationwide, Progressive and State Farm. The premiums assume the policyholder is a 40-year-old male buying full coverage and commuting 12 miles to work each day. The policy purchased is a 100/300/50 (\$100,000 for individual injury liability, \$300,000 total bodily injury per accident, and \$50,000 for property damage), with a \$500 deductible on collision and comprehensive coverage]

Rank	State	Average price of annual car insurance	Rank	State	Average price of annual car insurance
1	Michigan	2,551	26	Arkansas	1,399
2	West Virginia	2,518	27	Tennessee	1,397
3	Georgia	2,201	28	Nevada	1,388
4	Rhode Island	2,020	29	Mississippi	1,385
5	Montana	2,013	30	New Mexico	1,371
6	Louisiana	1,971	31	Illinois	1,370
7	California	1,962	32	Minnesota	1,360
8	New Jersey	1,905	33	Kansas	1,358
9	Florida	1,830	34	Oregon	1,333
10	Maryland	1,810	35	Nebraska	1,317
11	North Dakota	1,710	36	South Carolina	1,316
12	Connecticut	1,638	37	Arizona	1,222
13	Texas	1,620	38	Missouri	1,207
14	Alaska	1,605	39	Indiana	1,202
15	Massachusetts	1,604	40	Utah	1,192
16	Delaware	1,580	41	New York	1,173
17	Oklahoma	1,568	42	Vermont	1,149
18	Colorado	1,558	43	Virginia	1,114
19	South Dakota	1,557	44	Wisconsin	1,087
20	Wyoming	1,541	45	North Carolina	1,060
21	Alabama	1,529	46	Iowa	1,058
22	Kentucky	1,503	47	Idaho	1,053
23	Washington	1,499	48	New Hampshire	983
24	Pennsylvania	1,440	49	Maine	964
25	Hawaii	1,400	50	Ohio	926

Source: MyCarInsurance123 "Average Car Insurance Rates By State 2019"
 <<https://www.mycarinsurance123.com/average-car-insurance-rates/>> accessed July 9, 2019.

Table 14.22-- AVERAGE MONTHLY AND ANNUAL AUTO INSURANCE RATES FOR EACH OF THE 50 STATES AND THE DISTRICT OF COLUMBIA: 2018

[According to a study done by ValuePenguin, the price of car insurance can vary greatly depending on a number of factors including age, gender, marital status, driving record, years of driving experience, credit history, the type of car you drive, your claims history, and more. This study does not standardize on one combination of factors but rather on the average policyholder's premium in each state]

Rank 1/	State	Average price of car insurance		Rank 1/	State	Average price of car insurance	
		Monthly	Annual			Monthly	Annual
1	Michigan	213	2,551	26	Hawaii	117	1,400
2	West Virginia	210	2,518	28	Nevada	116	1,388
3	Georgia	183	2,201	28	Tennessee	116	1,397
4	Dist. of Colum.	177	2,127	30	Mississippi	115	1,385
5	Montana	168	2,013	31	Illinois	114	1,370
5	Rhode Island	168	2,020	31	New Mexico	114	1,371
7	California	164	1,962	33	Kansas	113	1,358
7	Louisiana	164	1,971	33	Minnesota	113	1,360
9	New Jersey	159	1,905	35	Oregon	111	1,333
10	Florida	153	1,830	36	Nebraska	110	1,317
11	Maryland	151	1,810	36	South Carolina	110	1,316
12	North Dakota	143	1,710	38	Arizona	102	1,222
13	Connecticut	137	1,638	39	Missouri	101	1,207
14	Texas	135	1,620	40	Indiana	100	1,202
15	Alaska	134	1,605	41	Utah	99	1,192
15	Massachusetts	134	1,604	42	New York	98	1,173
17	Delaware	132	1,580	43	Vermont	96	1,149
18	Oklahoma	131	1,568	44	Virginia	93	1,114
19	Colorado	130	1,558	45	Wisconsin	91	1,087
19	South Dakota	130	1,557	46	Idaho	88	1,053
21	Wyoming	128	1,541	46	Iowa	88	1,058
22	Alabama	127	1,529	46	North Carolina	88	1,060
23	Kentucky	125	1,503	49	New Hampshire	82	983
23	Washington	125	1,499	50	Maine	80	964
25	Pennsylvania	120	1,440	51	Ohio	77	926
26	Arkansas	117	1,399				

1/ Rank of average monthly premium.

Source: Business Insider "Americans spend an average of \$125 a month on car insurance — here's what people pay in every state"

<<http://www.businessinsider.com/average-cost-car-insurance-in-every-state-ranked-2018-3>>
accessed July 14, 2018.

Table 14.23-- COST OF LIVING GLOBAL RANK FOR SELECTED MAJOR CITIES IN THE UNITED STATES: 2008 TO 2019

[The survey, conducted in March, covers 209 to 375 cities worldwide and measures the comparative cost of over 200 items in each location, including housing, food, clothing, utilities, transportation, and entertainment costs. The higher the index, the lower the rank where a rank of 1 indicates the most expensive city. New York City = 100.0]

City and state	Global rank 1/											
	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Atlanta, GA	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	147	103	78	83	95	69
Boston, MA	(NA)	(NA)	(NA)	(NA)	(NA)	123	109	64	47	51	70	49
Chicago, IL	84	50	(NA)	(NA)	(NA)	(NA)	85	42	34	31	51	37
Cleveland, OH	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	167	133	110	100	125	106
Dallas, TX	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	125	77	62	62	85	62
Detroit, MI	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	160	122	103	95	116	90
Honolulu, HI	77	41	(NA)	(NA)	(NA)	117	97	52	37	35	54	38
Houston, TX	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	143	92	75	74	86	59
Los Angeles, CA	55	23	55	(NA)	(NA)	(NA)	62	36	27	23	35	18
Miami, FL	75	45	(NA)	(NA)	(NA)	114	98	56	45	41	60	44
Minneapolis, MN	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	156	115	91	86	102	78
Morristown, NJ	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	132	88	71	81	97	70
New York City, NY	22	8	27	32	33	24	16	16	11	9	13	9
Pittsburgh, PA	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	162	130	112	107	125	97
Portland, OR	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	166	135	117	115	130	107
San Francisco, CA	78	34	(NA)	(NA)	(NA)	92	74	37	26	21	28	16
Seattle, WA	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	153	106	83	76	90	64
St. Louis, MO	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	161	130	108	100	122	94
Washington, DC	(NA)	(NA)	111	(NA)	(NA)	(NA)	92	50	38	39	56	42
White Plains, NY	89	31	(NA)	(NA)	(NA)	(NA)	81	71	61	64	79	56
Winston Salem, NC	(NA)	(NA)	197	(NA)	(NA)	(NA)	182	157	147	140	161	138

Continued on next page.

Table 14.23-- COST OF LIVING GLOBAL RANK FOR SELECTED MAJOR CITIES IN THE UNITED STATES: 2008 TO 2019 -- Con.

NA Not available.

1/ 2013 and 2014 were not originally available in the News Release, the rankings were derived from data in the following year's release.

Source: Mercer LLC, "Worldwide Cost of Living Survey 2009 – City ranking" (July 7, 2009) <<http://www.mercer.com/summary.htm?idContent=1311145>> accessed July 17, 2009; Ibid. "Worldwide Cost of Living Survey 2010 - City rankings" (June 29, 2010) <http://www.mercer.com/costoflivingpr#City_rankings> accessed July 8, 2010; Ibid. 2011 (July 12, 2011) <http://www.mercer.com/costoflivingpr#City_rankings> accessed July 12, 2011; Ibid. "Worldwide Cost of Living Survey 2012 – city ranking" (June 12, 2012) <http://www.mercer.com/costoflivingpr#City_rankings> accessed July 9, 2012; Ibid. 2013 "African, European, and Asian Cities Dominate the Top 10 Most Expensive Locations for Expatriates" (July 23, 2013) <http://www.mercer.com/costoflivingpr#City_rankings> accessed July 30, 2013; Ibid. 2014, (July 10, 2014) <http://www.mercer.com/newsroom/cost-of-living-survey.html#City_rankings> accessed July 10, 2014; "2015 Cost of Living Rankings" (June 17, 2015) <<http://www.mercer.com/newsroom/cost-of-living-survey.html>> accessed July 2, 2015; Ibid. 2016 "Continued Demand for Mobility in the Global Workforce Challenged by Cost of Expatriate Packages" (June 22, 2016) <<http://www.mercer.com/newsroom/continued-demand-for-mobility-in-the-global-workforce-challenged-by-cost-of-expatriate-packages.html>> accessed July 12, 2016; Ibid 2017 "Despite Worldwide Changes, Multinationals Focus on Mobile Workforces to Support Career Growth and Ensure Competitiveness" (June 21, 2017) <<https://www.mercer.com/newsroom/cost-of-living-2017.html>> accessed July 1, 2017; "Mercer’s Annual Cost of Living Survey Finds Asian, European, and African Cities Most Expensive Locations for Employees" (June 26, 2018) <<https://www.mercer.com/newsroom/cost-of-living-2018.html>> accessed June 27, 2018; and "Mercer's 25th Annual Cost of Living Survey Finds Cities in Asia Most Expensive Locations for Employees Working Abroad" (June 26, 2019) <<https://www.mercer.us/newsroom/mercers-25th-annual-cost-of-living-survey-finds-cities-in-asia-most-expensive-locations-for-employees-working-abroad.html>> accessed July 7, 2019.

Table 14.24-- TOP 10 MOST EXPENSIVE AND 10 CHEAPEST STATES TO LIVE: 2019

[CNBC considered basic items in the most expensive and cheapest areas of the state. Average price data based on Council for Community and Economic Research C2ER Cost of Living Index, 2018 Annual Average. See also <<http://coli.org/About/>>]

Rank	State	Metro area 1/	Average home price	Half gallon of milk	Ribeye steak	Monthly energy bill	Doctor visit
Most expensive							
1	Hawaii	Honolulu	1,158,492	4.18	(NA)	388.65	129.38
2	California	San Francisco	1,243,239	2.86	(NA)	237.13	148.84
3	New York	Manhattan	1,901,222	2.56	(NA)	217.46	105.61
4	Massachusetts	Boston	663,942	1.97	13.18	236.62	191.62
5	Maryland	Bethesda-Gaithersburg-Frederick	794,750	2.12	12.80	173.95	96.53
6	Oregon	Portland	549,358	1.87	12.84	143.33	129.73
7	Alaska	Juneau	542,436	2.53	14.31	257.97	195.97
8	Connecticut	Stamford-Greenwich-Darien Metro	662,447	2.13	11.27	215.97	135.27
10	Rhode Island	Providence-Warwick Metro	451,509	3.21	12.69	227.80	154.86
10	New Jersey	Bergen-Passaic counties	578,386	2.13	11.72	191.05	101.07
Cheapest							
1	Mississippi	Jackson	275,509	2.90	9.73	127.10	91.27
2	Oklahoma	Enid	317,039	2.03	10.42	163.78	125.00
3	Arkansas	Little Rock	339,778	2.16	9.69	149.97	114.28
4	Missouri	Kansas City	276,197	2.10	11.76	160.33	94.24
5	Michigan	Grand Rapids	288,912	1.77	10.45	165.99	96.94
6	Alabama	Mobile	241,783	2.32	9.96	192.98	116.24
6	Tennessee	Nashville-Murfreesboro	318,571	1.78	12.08	157.08	94.52
8	Kansas	Manhattan	311,911	1.39	11.04	179.18	89.50
9	Indiana	Indianapolis	250,625	1.51	11.80	184.40	93.91
10	Wyoming	Laramie	271,475	2.49	12.61	130.86	106.00

NA Not available.

1/ Average home price applies to indicated Metro area.

Source: CNBC, "America's Top States for Business - America's 10 most expensive states to live in 2019" (July 10, 2019) <<https://www.cnbc.com/2019/07/10/americas-10-most-expensive-states-to-live-in-2019.html>> accessed July 10, 2019; and "These states are the cheapest places to live in America in 2019" <<https://www.cnbc.com/2019/07/10/americas-10-cheapest-states-to-live-2019.html>> accessed July 10, 2019.

Table 14.25-- PAY DIFFERENTIALS AND COST OF LIVING INDEXES FOR FEDERAL EMPLOYEES IN HAWAII RELATIVE TO WASHINGTON, D.C., BY COUNTY: 1996 TO 2019

[As of July 3, 2019. Maui includes Kalawao]

Effective or survey date	Allowance category	Honolulu	Hawaii	Maui	Kauai
ALLOWANCE RATES					
March 25, 1997	All employees 1/	22.50	15.00	22.50	22.50
December 2, 1997	All employees 1/	22.50	15.00	22.50	22.50
October 21, 1998	All employees 2/	25.00	15.00	22.50	22.50
October 3, 2000	All employees 3/	25.00	16.50	23.75	23.25
November 9, 2001	All employees 4/	25.00	16.50	23.75	23.25
June 30, 2008	All employees 5/	25.00	18.00	25.00	25.00
COLA AND LOCALITY PAY RATES					
January 1, 2009	COLA 5/	25.00	18.00	25.00	25.00
	Locality rate 6/	0.00	0.00	0.00	0.00
January 1, 2010	COLA 6/ 7/	20.94	14.26	20.94	20.94
	Payable locality rate 6/	4.72	4.72	4.72	4.72
	Full locality rate 6/	14.16	14.16	14.16	14.16
January 1, 2011	COLA 6/ 8/	16.07	9.76	16.07	16.07
	Payable locality rate 6/	11.01	11.01	11.01	11.01
	Full locality rate 6/	16.51	16.51	16.51	16.51
January 1, 2012	COLA 6/ 8/	12.25	6.24	12.25	12.25
	Payable locality rate 6/	16.51	16.51	16.51	16.51
	Full locality rate 6/	16.51	16.51	16.51	16.51
January 1, 2016	COLA 6/	12.05	6.05	12.05	12.05
	Locality rate 6/	16.81	16.81	16.81	16.81
January 1, 2017	COLA 6/	11.32	5.39	11.32	11.32
	Locality rate 6/	17.92	17.92	17.92	17.92
January 1, 2018	COLA 6/	10.99	5.08	10.99	10.99
	Locality rate 6/	18.43	18.43	18.43	18.43
January 1, 2019	COLA 6/	10.64	4.76	10.64	10.64
	Locality rate 6/	18.98	18.98	18.98	18.98
INDEXES					
1996 Survey	Cost of Living Index 9/	121.95	111.89	121.36	121.36
1998 Survey	Cost Comparison Index 10/	124.51	110.89	120.32	117.19
2007 Survey	Cost of Living Index 11/	121.37	111.71	123.62	118.14
2007 Survey, 2008 adj.	Cost Comparison Index 11/	121.40	111.74	123.65	118.17

Continued on next page.

Table 14.25-- PAY DIFFERENTIALS AND COST OF LIVING INDEXES FOR FEDERAL EMPLOYEES IN HAWAII RELATIVE TO WASHINGTON, D.C., BY COUNTY: 1996 TO 2019 -- Con.

1/ Interim Rule issued on March 25 and Final Rule issued on December 2, 1997.

2/ As Interim Rule on October 21 and as corrected on November 13, 1998. Final Rule published July 17, 2000, effective August 16, 2000. Current law prohibits reduction in COLA rates through December 31, 2000. As part of the COLA Research in the litigation Caraballo et al vs United States and as requested by Congress, an Interim Rates and Survey Schedule was announced but not yet enacted. The rates, as of October 1, 2000, are raised for Hawaii and Maui to 16.50 and 23.75 percent respectively. The Interim Rates as well as those for Kauai may increase further depending upon the results of the 1998 price surveys and the surveys conducted under New Regulations. Also see OMP, Non-Foreign Area Cost-of-Living Allowances, Special COLA Research Announcement, July 17, 2000 and <<http://www.opm.gov/oca/cola/html/cola-n.htm>>.

3/ Interim rule and invitation for comment issued in Federal Register: Vol. 65, No. 192.

4/ Final rule issued in Federal Register: November 9, 2001 (Volume 66, Number 218).

5/ Final rule issued in Federal Register: May 29, 2008 (Volume 73, Number 104).

6/ As provided under the Nonforeign Area Retirement Equity Assurance Act of 2009 (NAREAA) (subtitle B of title XIX of the National Defense Authorization Act for Fiscal Year 2010 (Public Law 111-84, October 28, 2009)), the locality rate for each nonforeign area will be set at two-thirds of the applicable locality rate in January 2011 and the full applicable locality rate in January 2012. Employees in nonforeign areas, e.g. Hawaii, have corresponding reductions in their cost-of-living allowances (COLAs) when locality rates increase.

7/ 2010 COLA rates are also shown in the Compensation Policy Memorandum posted at <<http://www.chcoc.gov/Transmittals/TransmittalDetails.aspx?TransmittalID=2732>>.

8/ 2011 COLA rates are also shown in the Compensation Policy Memorandum posted at <<http://www.chcoc.gov/Transmittals/TransmittalDetails.aspx?TransmittalID=3300>>.

9/ Washington, D.C. living costs=100. Based on a survey of comparative costs for Federal employees in February 1996. The Survey was conducted and indexes calculated by Runzheimer International. The detailed methodology is described in the *Federal Register*: March 25, 1997.

10/ Similar explanation to footnote 8/ except the survey period was 1998 and publication in the Federal Register was July 17, 2000.

11/ Similar explanation to footnote 8/ except the survey period was 2007 and publication in the Federal Register was May 29, 2008.

Source: U.S. Office of Personnel Management, *Federal Register Online* via GPO Access <<http://www.wais.access.gpo.gov>>, Vol. 62, No. 57, March 25, 1997 (pp. 14187-14189); Vol. 62, No. 231, December 2, 1997 (pp. 63630-63631); Vol. 63, No. 203, October 21, 1998 (pp. 56430-56431); Vol. 63, No. 219, November 13, 1998 (p. 63385) and <<http://www.opm.gov/oca/cola/html/c-rates.html>> accessed May 15, 2000. OMP-announced Federal COLA Retro Settlement, 06-23-00 and further developments <<http://www.opm.gov/oca/compmemo/2000/2000-10.htm>>. OMP, Non-Foreign Area Cost-of-Living Allowances, Special COLA Research Announcement, July 17, 2000; OMP, Cost-of-Living Allowances Vol. 65, No. 192, October 3, 2000 (58901-58902) and <<http://www.opm.gov/oca/cola/html/c-rates.html>> accessed June 30, 2007; and *Federal Register*, Vol. 73, No. 104, May 29, 2008 (pp. 30727- 30734) <<http://edocket.access.gpo.gov/2008/pdf/E8-12020.pdf>> accessed May 29, 2008; OPM "Nonforeign Area Cost-of-Living Allowances" <<http://www.opm.gov/oca/cola/rates.asp>> accessed July 8, 2011; OPM, Memorandum for Heads of Executive Departments and Agencies "Executive Order for 2011 Pay Schedules" (December 20, 2010) <<http://www.chcoc.gov/Transmittals/TransmittalDetails.aspx?TransmittalID=3300>> accessed July 11, 2012; OPM, "COLA and Locality Pay Rates in Nonforeign Areas 2009-2015" <<https://www.opm.gov/policy-data-oversight/pay-leave/pay-systems/nonforeign-areas/#url=COLA-Rates>> accessed July 22, 2015; "COLA and Locality Pay Rates in Nonforeign Areas 2016", accessed June 6, 2016; OPM, "COLA and Locality Pay Rates in Nonforeign Areas 2017" accessed April 18, 2017; OPM, "COLA and Locality Pay Rates in Nonforeign Areas 2018" accessed April 19, 2018; OPM "COLA and Locality Pay Rates in Nonforeign Areas 2019" accessed July 3, 2019.

Table 14.26-- COST OF LIVING ALLOWANCE INDEXES FOR MILITARY IN HAWAII RELATIVE TO CONTINENTAL UNITED STATES, BY ISLAND

[As of July 1, 2019. Index number continental United States=100]

Effective date	Locality	Locality code 1/	Index
May 16, 2019	Hawaii (island)	HI001	122
July 1, 2019	Kauai	HI003	126
July 1, 2019	Maui	HI005	126
July 1, 2019	Molokai	HI007	126
July 1, 2019	Oahu	HI009	116
November 8, 1989	Other islands	HI999	(1/)

1/ Locality Code is assigned by the Department of Defense to identify each area entitled to COLA. Location code "HI 999 - Other islands" is a valid location but COLA is not currently prescribed for this Hawaii location.

Source: U.S. Department of Defense, Defense Travel Management Committee, Overseas Cost-of-Living Program, "Changes Effective 1 July 2019, Table III - Cost-of-Living Allowance (COLA) Indexes", p.3 <http://www.defensetravel.dod.mil/Docs/perdiem/browse/Allowances/Appendix_J_Overseas_COLA_Tables/2018-COLA-Indexes/07-01-18_COLA_Indices.pdf> accessed July 6, 2018.

Table 14.27-- PER DIEM RATES FOR MILITARY IN HAWAII, BY ISLAND OR INSTALLATION

[As of July 1, 2019. In dollars per day. To calculate a per diem rate: maximum lodging plus meals (local, proportional, or government) plus incidental rate (local or onbase) as specified in the travel orders. Once effective, the rates apply January 1 - December 31]

Locality	Maximum per diem rate 1/	Lodging	Local meals rate	Proportional meals rate	Local incidental rate 2/	Effective date
Camp H.M. Smith	326	177	119	67	30	July 1, 2019
EASTPAC Naval COMP TELE Area	326	177	119	67	30	July 1, 2019
Ft. DeRussey	326	177	119	67	30	July 1, 2019
Ft. Shafter	326	177	119	67	30	July 1, 2019
Hickam Air Force Base	326	177	119	67	30	July 1, 2019
Hilo (Island of Hawaii)	319	199	96	55	24	July 1, 2019
Honolulu	326	177	119	67	30	July 1, 2019
Isle of Hawaii: Hilo	319	199	96	55	24	July 1, 2019
Isle of Hawaii: Other	374	218	125	70	31	July 1, 2019
Isle of Kauai	466	325	113	64	28	July 1, 2019
Isle of Maui	454	304	120	67	30	July 1, 2019
Isle of Oahu	326	177	119	67	30	July 1, 2019
Joint Base Pearl Harbor- Hickam	326	177	119	67	30	July 1, 2019
Kapolei	326	177	119	67	30	July 1, 2019
Kekaha Pacific Missile Range Fac.	466	325	113	64	28	July 1, 2019
Kilauea Military Camp	319	199	96	55	24	July 1, 2019
Lanai	352	218	107	61	27	July 1, 2019
Lihue (Island of Kauai)	466	325	113	64	28	July 1, 2019
Lualualei Naval Magazine	326	177	119	67	30	July 1, 2019
Marine Corps Base Hawaii	326	177	119	67	30	July 1, 2019
Molokai	324	218	85	50	21	July 1, 2019
NOSC Pearl Harbor 3/	326	177	119	67	30	July 1, 2019
Pearl Harbor	326	177	119	67	30	July 1, 2019
PMRF Barking Sands	466	325	113	64	28	July 1, 2019
Schofield Barracks	326	177	119	67	30	July 1, 2019
Tripler Army Medical Center	326	177	119	67	30	July 1, 2019
Wahiawa NCTAMS PAC 4/	326	177	119	67	30	July 1, 2019
Wheeler Army Airfield	326	177	119	67	30	July 1, 2019
Other 5/	367	218	119	67	30	July 1, 2019

1/ For reimbursement of subsistence expenses incurred during official OCONUS (Outside Continental United States) travel.

2/ The standard onbase incidental rate is \$3.50 OCONUS-wide.

3/ Naval Operations Support Center Pearl Harbor (NOSC Pearl Harbor).

4/ Wahiawa Naval Computer and Telecommunications Area Master Station, Pacific (NCTAMS PAC).

5/ Use this rate if neither the city nor military installation is listed.

Source: U.S. Department of Defense, Defense Management Travel Office, "Maximum Per Diem Rates Outside the Continental United States Travel Per Diem Allowances, Effective 01 July 2019"

<<http://www.defensetravel.dod.mil/site/perdiem.cfm>> accessed July 5, 2019.