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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. Periodic comparisons of individual or groups of products and services are sometimes compiled.

The U.S. Census Bureau compiles data on rent and mortgage costs and various trade and advocacy group compile data on Hawaii prices as part of their 50-state analysis.

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 2019

[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 2019 (see Table 13.03) but Real (Chained- 2012 dollar) GDP is not available before 1977. NAICS 2014 to 2018 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	104.461	103.638
1995	95.477	96.820	2015	107.158	104.717
1996	97.425	98.453	2016	108.794	105.801
1997	100.000	100.000	2017	110.795	107.794
			2018	113.485	110.420
			2019	116.492	112.345

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 2019.

Source: U.S. Bureau of Economic Analysis, Gross Domestic Product by Industry (July 7, 2020) <http://www.bea.gov/iTable/index_regional.cfm> accessed July 7, 2020; 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: 2008 TO 2018

[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. Revised from previous *Data Book*]

State	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Hawaii: All items	118.1	117.1	117.2	116.9	117.8	118.3	118.4	119.2	118.9	118.8	118.1
Goods	106.1	106.8	107.1	108.5	109.3	109.3	109.5	110.5	112.1	112.1	110.9
Services: rents	167.5	164.6	159.2	157.3	159.1	159.3	159.0	163.4	157.2	156.3	148.9
Services: other	109.3	106.6	104.2	103.0	103.7	104.7	104.5	104.1	103.4	103.5	104.6
Alabama	87.6	87.5	87.9	87.7	88.1	87.8	87.1	86.8	86.1	86.1	86.4
Alaska	106.9	106.9	105.5	105.1	105.4	104.9	106.3	105.5	105.7	105.0	104.8
Arizona	100.6	100.1	98.6	97.9	97.1	96.5	96.0	96.1	95.8	96.1	96.5
Arkansas	86.9	86.6	87.7	87.6	87.8	87.8	86.9	87.4	86.8	86.2	85.3
California	113.1	112.9	113.6	113.4	112.9	113.1	113.7	113.8	114.7	115.0	115.4
Colorado	100.4	101.1	100.9	101.4	101.1	102.1	102.0	102.3	101.7	102.2	101.9
Connecticut	110.7	110.4	109.4	109.0	109.2	108.5	108.6	108.5	107.3	106.8	106.1
Delaware	102.0	103.2	102.8	101.8	101.2	100.6	101.1	100.0	100.0	100.0	98.8
Dist. of Columbia	115.6	116.4	118.2	117.8	117.7	117.0	118.2	116.8	114.6	116.0	116.1
Florida	100.8	100.0	99.1	99.2	99.1	99.2	99.4	99.5	100.1	100.2	100.6
Georgia	93.5	93.1	92.3	91.9	92.2	92.3	92.0	92.8	92.7	92.8	93.0
Hawaii	118.1	117.1	117.2	116.9	117.8	118.3	118.4	119.2	118.9	118.8	118.1
Idaho	95.2	94.8	93.5	93.3	93.4	93.2	93.6	93.3	92.2	92.2	92.5
Illinois	100.2	100.9	100.9	101.1	100.7	99.7	99.3	99.0	98.7	98.5	98.1
Indiana	91.2	91.4	91.4	91.7	91.4	91.3	90.8	90.1	89.7	89.7	89.3
Iowa	88.6	89.0	89.2	90.0	90.2	90.6	90.3	89.9	90.0	90.0	89.2
Kansas	89.3	89.6	89.9	90.7	90.6	91.3	90.9	90.2	90.1	90.0	90.0
Kentucky	88.9	88.7	88.6	88.6	88.8	89.3	88.3	88.7	87.5	87.4	87.8
Louisiana	90.7	91.4	91.2	91.0	91.4	91.2	90.9	90.5	89.9	89.6	89.1
Maine	98.0	98.1	96.8	97.4	98.4	98.5	98.0	99.1	99.4	99.0	100.0
Maryland	110.3	111.3	111.0	110.9	110.1	109.9	110.2	109.6	109.0	109.0	108.4
Massachusetts	108.3	108.0	108.0	107.8	106.6	106.7	107.3	107.6	109.2	109.0	109.7
Michigan	95.4	95.2	94.7	94.6	94.5	94.3	93.6	93.0	92.8	92.8	92.4

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**Table 14.02-- REGIONAL PRICE PARITIES (RPPs), ALL ITEMS, BY STATE,
AND FOR HAWAII, BY COMPONENT: 2008 TO 2018 -- Con.**

State	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Minnesota	97.4	97.7	97.1	97.2	97.6	97.5	97.5	97.2	97.8	97.9	97.5
Mississippi	86.4	85.8	86.7	86.8	86.5	87.2	86.2	86.2	86.0	85.2	86.0
Missouri	87.8	87.9	88.3	89.1	89.3	89.9	89.8	89.6	89.5	89.5	88.8
Montana	95.3	94.5	93.9	93.8	93.5	94.6	94.7	95.1	93.4	93.9	93.3
Nebraska	89.7	89.6	90.3	90.3	90.6	90.7	90.5	90.2	90.1	89.8	89.5
Nevada	100.8	100.7	99.9	99.8	98.7	98.7	97.5	97.3	96.0	96.5	97.5
New Hampshire	107.2	106.4	106.5	105.3	105.6	105.4	105.7	105.7	106.8	106.5	106.0
New Jersey	112.9	113.3	114.1	114.6	114.4	113.4	113.8	113.4	114.1	113.6	115.2
New Mexico	94.4	94.4	94.6	95.3	95.0	95.3	94.7	93.8	92.4	92.4	91.1
New York	115.1	115.3	115.2	115.2	115.3	115.2	115.7	115.8	116.4	116.0	116.4
North Carolina	92.0	92.1	91.3	91.5	91.7	91.8	91.4	91.2	91.3	91.6	91.8
North Dakota	88.5	89.0	89.2	89.7	91.0	91.7	91.6	92.0	91.4	90.4	90.6
Ohio	90.0	89.3	89.8	89.7	89.4	89.5	89.4	89.2	89.1	88.9	88.4
Oklahoma	88.9	89.5	89.6	89.6	89.9	90.0	89.5	89.8	88.7	88.6	88.4
Oregon	98.3	98.9	98.5	98.5	98.7	98.9	98.8	98.5	100.5	100.5	101.1
Pennsylvania	98.2	98.2	98.5	98.4	98.4	98.6	98.1	98.2	98.1	97.6	97.5
Rhode Island	100.2	100.0	99.1	99.4	98.8	98.8	99.8	99.9	100.6	99.2	99.3
South Carolina	91.1	91.5	90.4	90.8	90.8	90.5	90.0	90.3	90.7	90.7	91.1
South Dakota	86.9	85.8	86.9	87.3	88.9	88.0	88.0	88.0	88.3	88.5	87.9
Tennessee	90.5	90.5	90.2	90.3	90.8	90.7	89.8	89.9	89.6	89.7	89.9
Texas	96.5	96.4	96.3	96.2	96.2	96.3	96.5	96.7	96.6	96.8	96.8
Utah	96.8	97.8	96.9	97.2	97.1	97.7	96.8	96.4	96.0	95.9	96.6
Vermont	100.4	100.6	99.5	99.9	100.8	100.9	102.5	102.7	102.6	103.2	103.0
Virginia	102.8	103.5	103.1	103.0	103.0	102.8	102.7	102.6	102.2	102.0	102.0
Washington	103.2	103.7	103.0	102.9	103.5	104.2	104.9	105.2	106.1	106.8	107.8
West Virginia	87.0	87.5	88.4	88.5	88.6	88.6	88.2	88.7	87.8	87.2	87.8
Wisconsin	93.0	92.9	92.8	93.3	93.5	93.2	93.3	93.0	92.6	92.4	91.9
Wyoming	96.1	96.1	95.9	96.7	95.8	96.0	96.8	96.4	95.9	94.5	92.7

Source: U.S. Bureau of Economic Analysis, State Real Personal Income (May 18, 2020) <<http://www.bea.gov/iTable/iTable.cfm?ReqID=70&step=1>> accessed July 13, 2020. See also "Real Personal Income for States and Metropolitan Areas, 2018" <<https://www.bea.gov/sites/default/files/2020-05/rpp0520.pdf>> accessed July 13, 2020.

Table 14.03-- IMPLICIT REGIONAL PRICE DEFLATOR, BY STATE: 2008 TO 2018

[Calculated as personal income divided by real personal income. Base year is 2012 and 2008 to 2017 revised from previous *Data Book*]

State	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Alabama	82.3	82.1	84.0	85.8	87.9	88.8	89.4	89.3	89.3	90.9	93.0
Alaska	100.4	100.3	100.7	102.9	105.2	106.2	109.2	108.6	109.7	110.8	112.9
Arizona	94.5	93.9	94.1	95.9	97.0	97.6	98.5	98.8	99.3	101.4	103.9
Arkansas	81.7	81.3	83.7	85.8	87.6	88.8	89.2	89.8	90.0	91.0	91.8
California	106.2	105.9	108.5	111.0	112.7	114.4	116.7	117.0	119.0	121.4	124.3
Colorado	94.3	94.8	96.4	99.3	101.0	103.3	104.7	105.2	105.5	107.8	109.7
Connecticut	103.9	103.5	104.5	106.7	109.0	109.8	111.5	111.6	111.3	112.8	114.2
Delaware	95.8	96.8	98.2	99.7	101.1	101.8	103.8	102.9	103.8	105.6	106.4
Dist. of Col.	108.6	109.2	112.9	115.3	117.5	118.4	121.4	120.1	118.9	122.5	125.0
Florida	94.7	93.8	94.6	97.2	98.9	100.4	102.1	102.4	103.8	105.8	108.3
Georgia	87.9	87.3	88.1	90.0	92.0	93.4	94.5	95.4	96.2	98.0	100.1
Hawaii	110.9	109.8	111.9	114.5	117.6	119.7	121.5	122.6	123.3	125.4	127.1
Idaho	89.4	88.9	89.3	91.4	93.2	94.3	96.1	96.0	95.6	97.3	99.5
Illinois	94.1	94.7	96.3	99.0	100.5	100.9	101.9	101.8	102.4	103.9	105.6
Indiana	85.7	85.7	87.3	89.8	91.2	92.4	93.3	92.7	93.1	94.7	96.2
Iowa	83.2	83.5	85.2	88.1	90.0	91.7	92.8	92.5	93.4	95.0	96.1
Kansas	83.9	84.1	85.9	88.8	90.5	92.3	93.3	92.7	93.5	95.0	96.9
Kentucky	83.5	83.2	84.6	86.7	88.7	90.3	90.6	91.2	90.7	92.3	94.6
Louisiana	85.2	85.7	87.1	89.1	91.2	92.2	93.3	93.1	93.3	94.6	96.0
Maine	92.0	92.0	92.5	95.3	98.2	99.6	100.7	101.9	103.1	104.5	107.7
Maryland	103.6	104.4	106.0	108.6	109.9	111.2	113.2	112.8	113.1	115.1	116.7
Massachusetts	101.7	101.3	103.1	105.5	106.4	107.9	110.1	110.6	113.2	115.1	118.1
Michigan	89.6	89.3	90.4	92.6	94.3	95.4	96.1	95.7	96.3	98.0	99.5
Minnesota	91.4	91.7	92.8	95.2	97.4	98.7	100.1	100.0	101.4	103.4	104.9
Mississippi	81.1	80.5	82.8	85.0	86.4	88.2	88.5	88.6	89.2	90.0	92.6
Missouri	82.5	82.4	84.3	87.2	89.2	91.0	92.2	92.1	92.9	94.5	95.6
Montana	89.5	88.6	89.7	91.8	93.4	95.7	97.2	97.8	96.9	99.1	100.4

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Table 14.03-- IMPLICIT REGIONAL PRICE DEFLATOR, BY STATE: 2008 TO 2018 -- Con.

State	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Nebraska	84.2	84.1	86.2	88.4	90.5	91.8	92.9	92.7	93.5	94.7	96.4
Nevada	94.6	94.4	95.4	97.7	98.6	99.8	100.1	100.0	99.6	101.9	104.9
New Hampshire	100.7	99.8	101.7	103.1	105.4	106.7	108.6	108.8	110.8	112.4	114.1
New Jersey	106.0	106.3	108.9	112.2	114.2	114.8	116.8	116.6	118.4	120.0	124.0
New Mexico	88.7	88.6	90.4	93.3	94.9	96.4	97.3	96.5	95.9	97.5	98.1
New York	108.1	108.2	110.1	112.8	115.2	116.5	118.8	119.1	120.7	122.5	125.3
North Carolina	86.4	86.4	87.2	89.5	91.5	92.9	93.8	93.8	94.7	96.7	98.9
North Dakota	83.1	83.5	85.2	87.9	90.8	92.8	94.1	94.6	94.8	95.4	97.5
Ohio	84.5	83.7	85.7	87.8	89.2	90.6	91.8	91.8	92.5	93.8	95.2
Oklahoma	83.5	84.0	85.6	87.7	89.8	91.0	91.9	92.4	92.0	93.5	95.1
Oregon	92.3	92.8	94.1	96.5	98.5	100.1	101.5	101.3	104.2	106.1	108.8
Pennsylvania	92.2	92.1	94.1	96.3	98.3	99.8	100.8	101.0	101.8	103.0	105.0
Rhode Island	94.1	93.8	94.7	97.3	98.6	99.9	102.5	102.7	104.4	104.7	106.9
South Carolina	85.6	85.8	86.4	88.9	90.7	91.6	92.4	92.9	94.1	95.8	98.1
South Dakota	81.6	80.5	83.0	85.4	88.7	89.0	90.4	90.5	91.6	93.4	94.7
Tennessee	85.0	84.9	86.1	88.4	90.6	91.8	92.2	92.4	93.0	94.7	96.8
Texas	90.6	90.5	91.9	94.2	96.0	97.4	99.1	99.5	100.2	102.2	104.2
Utah	91.0	91.7	92.5	95.2	97.0	98.8	99.4	99.2	99.7	101.3	104.1
Vermont	94.3	94.4	95.0	97.8	100.7	102.1	105.3	105.7	106.5	108.9	110.9
Virginia	96.6	97.1	98.4	100.9	102.8	104.0	105.5	105.5	106.0	107.7	109.9
Washington	97.0	97.3	98.4	100.7	103.3	105.4	107.7	108.2	110.1	112.7	116.1
West Virginia	81.7	82.1	84.4	86.7	88.4	89.6	90.6	91.2	91.1	92.1	94.5
Wisconsin	87.3	87.1	88.6	91.3	93.4	94.3	95.8	95.6	96.0	97.6	99.0
Wyoming	90.3	90.1	91.6	94.7	95.6	97.1	99.4	99.1	99.5	99.7	99.9

Source: U.S. Bureau of Economic Analysis, State Real Personal Income (May 18, 2020) <<http://www.bea.gov/iTable/iTable.cfm?ReqID=70&step=1>> accessed July 13, 2020. See also "Real Personal Income for States and Metropolitan Areas, 2018" <<https://www.bea.gov/sites/default/files/2020-05/rpp0520.pdf>> accessed July 13, 2020.

**Table 14.04-- CONSUMER PRICE INDEX, FOR ALL URBAN CONSUMERS,
ALL ITEMS, FOR URBAN HAWAII AND UNITED STATES: 1940 TO 2019**

[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	2019	281.585	1.6	255.657	1.8

Continued on next page.

**Table 14.04-- CONSUMER PRICE INDEX, FOR ALL URBAN CONSUMERS,
ALL ITEMS, FOR URBAN HAWAII AND UNITED STATES:
1940 TO 2019 -- 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 10, 2020.

Table 14.05-- CONSUMER PRICE INDEX- ALL ITEMS, BY TYPE OF CONSUMER, FOR URBAN HAWAII: SEMI-ANNUAL AND ANNUAL AVERAGE, 2007 TO 2019

[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						
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
2019	281.585	280.666	282.503	277.928	276.793	279.063
Percentage change 1/						
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
2019	1.6	2.0	1.3	1.6	1.9	1.3

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 2019, <https://www.bls.gov/regions/west/data/cpi_tables.pdf> accessed July 19, 2020.

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, 2016 TO 2019

[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, added component detail, 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>>]

Group	2016	2017	2018	2019
All items	265.283	272.014	277.078	281.585
Food and beverages	272.051	277.301	281.796	287.622
Food	272.998	278.202	282.565	288.541
Food at home	267.579	273.253	273.914	276.432
Cereals and bakery products	(NA)	320.545	314.378	310.230
Meats, poultry, fish, and eggs	(NA)	248.262	255.360	257.442
Dairy and related products	(NA)	230.573	226.558	236.764
Fruits and vegetables	(NA)	339.571	334.659	342.584
Other food at home	(NA)	263.614	264.316	262.397
Food away from home	273.003	277.624	285.602	295.250
Nonalc. bev. & bev. materials 1/	(NA)	328.258	337.736	344.405
Alcoholic beverages	254.162	260.376	267.326	270.301
Housing	283.565	294.510	300.679	307.889
Shelter	309.116	322.017	327.066	335.875
Rent of primary residence	303.583	313.704	319.242	325.794
Owners' equiv. rent of residences 2/	320.863	335.159	339.871	349.297
Owners' equiv. rent of prim. res. 2/	320.863	335.159	339.871	349.297
Fuel and utilities	318.341	334.333	362.400	368.109
Household energy 3/	243.208	263.579	295.374	293.676
Energy services 4/	238.477	259.124	290.309	288.611
Electricity	236.276	256.980	287.790	285.442
Utility (piped) gas service	235.752	252.444	286.182	300.105
Household furnishings & operation	148.734	146.275	146.797	146.721
Household furn. and supplies 5/	86.918	85.087	84.020	83.947
Apparel	111.736	115.762	110.259	114.795
Transportation	211.645	217.646	227.694	223.689
Private transportation	203.453	213.267	224.967	223.651
Transp. comm. less motor fuel 5/	103.473	105.172	103.337	101.804
New and used motor vehicles 6/	(NA)	108.973	107.442	104.538
New vehicles 1/	(NA)	174.289	170.179	166.341
Used cars and trucks 1/	(NA)	239.014	240.659	241.524
Motor fuel	198.214	227.755	265.785	262.456
Gasoline (all types)	203.309	233.622	272.733	269.292
Gasoline, unleaded regular 7/	212.986	244.414	285.428	280.961
Gasoline, unleaded midgrade 7/ 8/	164.233	189.983	224.844	225.556
Gasoline, unleaded premium 7/	183.356	212.037	246.398	246.794
Motor vehicle insurance 1/	(NA)	440.209	471.363	484.605

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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, 2016 TO 2019 -- Con.**

Group	2016	2017	2018	2019
Medical care	400.408	407.384	(NA)	(NA)
Recreation 8/	124.872	125.781	128.651	130.977
Education and communication 6/	149.785	144.410	142.193	143.547
Educ. and comm. commodities 5	78.951	73.630	74.451	70.246
Educ. and comm. services 5/	124.149	119.986	117.796	119.749
Tuition, other sch. fees, & childcare 1/	(NA)	1,727.619	(NA)	1,773.925
Other goods and services	484.820	488.990	497.228	504.378
Other goods 5/	119.086	119.212	117.907	117.856
Other personal services 5/	120.870	123.163	128.386	131.774
Commodity and service group				
All items	265.283	272.014	277.078	281.585
Commodities	197.263	201.985	204.871	206.547
Commodities less food & bev.	151.538	155.984	157.835	157.421
Nondurables less food & bev.	185.364	193.660	199.273	199.496
Durables	114.021	114.055	112.614	111.732
Services	324.441	332.966	340.140	347.082
Special aggregate indexes				
All items less shelter	246.306	250.295	255.550	257.895
All items less medical care	258.001	264.714	269.515	273.841
All items less energy	269.892	275.658	278.742	283.781
All items less food and energy	271.023	276.976	279.886	284.780
Energy	217.256	242.100	276.671	274.053
Commodities less food	155.419	159.942	161.936	161.599
Nondurables less food	189.629	197.834	203.537	203.900
Nondurables	230.373	236.927	242.000	245.100
Services less rent of shelter 2/	343.671	345.072	355.547	359.254
Services less medical care services	316.432	325.378	332.290	339.015

NA Not available.

1/ Indexes on a December 1977=100 base.

2/ Indexes on a December 1982=100 base.

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

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

5/ Indexes on a December 2009=100 base.

6/ Indexes on a December 1997=100 base.

7/ Special index based on a substantially smaller sample.

8/ Indexes on a December 1993=100 base.

Source: U.S. Bureau of Labor Statistics, Consumer Price Index-All Urban Consumers (CPI-U) All Items Multi-screen <<https://www.bls.gov/cpi/data.htm>> accessed July 19, 2020.

Table 14.07-- RELATIVE IMPORTANCE OF COMPONENTS IN THE CONSUMER PRICE INDEX, ALL URBAN CONSUMERS (CPI-U), FOR HONOLULU AND THE UNITED STATES: DECEMBER 2018 AND 2019

[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	2018 CPI-U		2019 CPI-U	
	Honolulu	U.S.	Honolulu	U.S.
Relative importance of area	0.475	100.000	0.470	100.000
EXPENDITURE CATEGORY				
All items	100.000	100.000	100.000	100.000
Food and beverages	15.693	14.314	16.702	14.794
Food	14.953	13.341	15.771	13.771
Food at home	7.636	7.286	8.410	7.579
Cereals and bakery products	(NA)	0.962	(NA)	0.984
Meats, poultry, fish, and eggs	(NA)	1.597	(NA)	1.682
Meats, poultry, and fish	(NA)	1.504	(NA)	1.581
Dairy and related products	(NA)	0.729	(NA)	0.768
Fruits and vegetables	(NA)	1.298	(NA)	1.317
Other food at home	(NA)	1.832	(NA)	1.925
Food away from home	7.317	6.055	7.361	6.191
Alcoholic beverages	0.740	0.973	0.932	1.023
Housing	48.074	42.202	48.932	42.107
Shelter	40.133	33.259	41.335	33.158
Rent of primary residence	12.682	7.943	9.515	73.792
Tenants' and household insurance	(NA)	0.375	(NA)	0.371
Owners' equivalent rent of residences	26.146	24.054	30.874	24.071
Owners' equivalent rent of primary res.	25.333	22.711	30.613	22.864
Lodging away from home	(NA)	0.887	(NA)	0.924
Fuels and utilities	4.643	4.686	4.357	4.349
Household energy	3.154	3.585	2.493	3.266
Fuel oil and other fuels	(NA)	0.185	(NA)	0.170
Fuel oil	(NA)	0.109	(NA)	0.106
Propane, kerosene, and firewood	(NA)	0.075	(NA)	0.063
Energy services 1/	3.126	3.400	2.465	3.096
Electricity	3.006	2.607	2.359	2.405
Utility (piped) gas service	0.120	0.794	0.107	0.691
Water & sewer & trash collection serv.	(NA)	1.101	(NA)	1.083
Household furnishings and operations	3.299	4.257	3.240	4.600

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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 2018 AND 2019 -- Con.

Group	2018 CPI-U		2019 CPI-U	
	Honolulu	U.S.	Honolulu	U.S.
EXPENDITURE CATEGORY -- Con.				
Apparel	2.373	2.959	2.674	2.810
Men's and boys' apparel	(NA)	0.735	(NA)	0.697
Women's and girls' apparel	(NA)	1.190	(NA)	1.158
Footwear	(NA)	0.658	(NA)	0.668
Infants' and toddlers' apparel	(NA)	0.138	(NA)	0.133
Jewelry and watches	(NA)	0.237	(NA)	0.154
Transportation	13.940	16.348	11.804	15.738
Private transportation	12.028	15.235	10.619	14.465
Motor fuel	3.415	3.762	2.999	3.440
Gasoline (all types)	3.396	3.671	2.991	3.362
Public transportation 2/	1.912	1.113	1.185	1.274
Medical care	6.244	8.682	6.939	8.833
Medical care commodities 3/	1.320	1.707	1.202	1.643
Medical care services 3/	4.924	6.974	5.737	7.190
Recreation	4.704	5.694	4.755	5.821
Education and communication	6.728	6.596	5.868	6.770
Other goods and services	2.244	3.204	2.325	3.127
Personal care	(NA)	2.544	(NA)	2.540
COMMODITY AND SERVICE GROUP 4/				
All items	100.000	100.000	100.000	100.000
Commodities	33.270	36.791	33.449	37.518
Commodities less food and beverages	17.577	22.477	16.747	22.724
Nondurables less food and beverages	10.116	12.524	9.757	12.045
Durables	7.461	9.953	6.990	10.679
Services	66.730	63.209	66.551	62.482

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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 2018 AND 2019 -- Con.

Group	2018 CPI-U		2019 CPI-U	
	Honolulu	U.S.	Honolulu	U.S.
SPECIAL AGGREGATE INDEXES 4/				
All items less shelter	59.867	66.741	58.665	66.842
All items less medical care	93.756	91.318	93.061	91.167
All items less energy	93.431	92.653	94.508	93.294
All items less food and energy	78.478	79.312	78.737	79.524
Energy	6.569	7.347	5.492	6.706
Commodities less food	18.317	23.450	17.679	23.747
Nondurables less food	10.856	13.497	10.689	13.068
Nondurables	25.810	26.838	26.459	26.838
Services less rent of shelter	26.767	30.325	25.450	29.696
Rent of shelter 5/	39.963	32.884	41.101	32.787
Services less medical care services	61.806	56.235	60.814	55.292

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 July 19, 2020.

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: 2018

[Data based on sample. Rank of 1 indicates highest percentage. Areas sorted in order of highest rank in 2018]

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	1,058	29.9	(X)				
Florida	1,182	33.3	1	Pennsylvania	927	29.1	24
Puerto Rico	484	33.2	(X)	Washington	1,316	29.1	24
Louisiana	854	33.0	2	North Carolina	900	29.0	28
California	1,520	32.5	3	Illinois	995	28.9	29
Hawaii	1,613	31.6	4	Rhode Island	998	28.9	29
Connecticut	1,171	31.5	5	Arizona	1,036	28.8	31
Delaware	1,108	31.3	6	Vermont	969	28.8	31
New York	1,274	31.1	7	Dist. of Col.	1,516	28.5	33
Colorado	1,289	30.7	8	Indiana	820	28.5	33
Nevada	1,108	30.6	9	Minnesota	969	28.4	35
New Jersey	1,336	30.6	9	Arkansas	731	28.3	36
Mississippi	777	30.0	11	Idaho	848	28.3	36
Georgia	1,008	29.9	12	Missouri	830	28.1	38
Maryland	1,371	29.9	12	Kansas	840	28.0	39
Massachusetts	1,295	29.9	12	Kentucky	779	27.6	40
Oregon	1,130	29.8	15	Ohio	797	27.6	40
New Mexico	830	29.7	16	Utah	1,043	27.6	40
West Virginia	735	29.7	16	Alaska	1,177	27.4	43
South Carolina	892	29.5	18	Montana	811	27.4	43
Tennessee	861	29.5	18	Wisconsin	847	27.2	45
Texas	1,046	29.5	18	Oklahoma	808	26.9	46
Virginia	1,215	29.4	21	Iowa	777	26.6	47
Maine	839	29.3	22	Nebraska	830	26.4	48
Michigan	861	29.3	22	South Dakota	734	26.3	49
Alabama	788	29.1	24	Wyoming	818	26.2	50
New Hampshire	1,090	29.1	24	North Dakota	808	24.6	51

X Not applicable.

Source: U.S. Census Bureau, 2018 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 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://data.census.gov/>> accessed July 19, 2020 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: 2016 TO 2018

[Data based on a sample]

Category	Hawaii	United States
Specified owner-occupied		
2016	260,626	75,022,569
2017	268,078	76,684,018
2018	265,364	77,708,394
Specified owner-occupied with a mortgage		
2016: Number	171,834	47,295,137
Percent	65.9	63.0
2017: Number	172,214	48,168,243
Percent	64.2	62.8
2018: Number	170,872	48,126,102
Percent	64.4	61.9
Specified owner-occupied without a mortgage		
2016: Number	88,792	27,727,432
Percent	34.1	37.0
2017: Number	95,864	28,515,775
Percent	35.8	37.2
2018: Number	94,492	29,582,292
Percent	35.6	38.1
Median selected monthly owner costs (in dollars)		
With a mortgage: 2016	2,239	1,486
2017	2,337	1,513
2018	2,354	1,566
Without a mortgage: 2016	492	466
2017	497	475
2018	519	498
Median selected monthly owner costs as a percentage of household income		
With a mortgage: 2016	25.4	21.5
2017	25.5	21.2
2018	25.3	21.2
Without a mortgage: 2016	(1/)	11.4
2017	(1/)	11.3
2018	(1/)	11.5

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

Source: U.S. Census Bureau, American Community Survey 2018 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://data.census.gov/>> accessed July 19, 2020; 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: 2017 AND 2018

[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	
	2017	2018	2017	2018	2017	2018	2017	2018
United States	1,513	1,566	475	498	21.2	21.2	11.3	11.5
Alabama	1,123	1,164	337	360	19.1	19.1	(1/)	(1/)
Alaska	1,844	1,895	591	549	21.9	22.0	11.2	(1/)
Arizona	1,365	1,417	398	410	21.2	21.0	(1/)	(1/)
Arkansas	1,025	1,071	328	355	18.5	18.6	(1/)	(1/)
California	2,269	2,345	573	596	25.3	25.2	11.2	11.1
Colorado	1,681	1,741	454	470	21.4	21.3	(1/)	(1/)
Connecticut	1,976	2,056	843	887	22.7	22.6	14.6	14.7
Delaware	1,507	1,566	429	473	21.3	22.0	(1/)	10.2
Dist. Of Col.	2,432	2,506	683	681	21.0	20.2	(1/)	(1/)
Florida	1,423	1,471	476	495	22.9	22.9	12.0	12.1
Georgia	1,341	1,395	395	422	19.8	19.8	(1/)	10.0
Hawaii	2,337	2,354	497	519	25.5	25.3	(1/)	(1/)
Idaho	1,213	1,249	369	369	21.3	20.9	(1/)	(1/)
Illinois	1,603	1,665	617	634	21.3	21.3	12.9	13.0
Indiana	1,089	1,118	383	409	18.1	18.3	(1/)	(1/)
Iowa	1,205	1,234	457	484	18.7	18.9	11.0	11.4
Kansas	1,314	1,364	483	514	19.3	19.6	11.4	11.9
Kentucky	1,123	1,164	352	379	18.8	19.1	10.3	10.5
Louisiana	1,233	1,254	326	343	19.7	19.7	(1/)	(1/)
Maine	1,313	1,349	469	487	20.7	20.8	12.2	12.3
Maryland	1,915	1,955	596	619	21.5	21.4	10.7	10.3
Massachusetts	2,108	2,207	770	817	22.1	22.5	14.0	14.5
Michigan	1,231	1,270	466	484	19.3	19.3	11.9	12.0
Minnesota	1,500	1,559	503	534	19.7	19.7	10.4	10.8
Mississippi	1,090	1,132	328	350	20.1	19.6	10.0	10.5
Missouri	1,207	1,249	418	450	19.0	19.2	10.8	11.4
Montana	1,367	1,413	421	441	21.5	22.2	11.2	10.5
Nebraska	1,334	1,353	499	523	19.5	19.2	11.3	11.9
Nevada	1,428	1,528	397	419	22.0	22.2	(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: 2017 AND 2018 -- 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	
	2017	2018	2017	2018	2017	2018	2017	2018
New Hampshire	1,874	1,892	769	795	22.2	22.6	14.1	14.9
New Jersey	2,348	2,398	1,001	1,030	24.1	24.0	16.1	16.0
New Mexico	1,244	1,234	340	345	21.6	21.9	(1/)	(1/)
New York	2,036	2,098	726	777	22.9	22.7	13.4	13.6
North Carolina	1,242	1,284	373	400	19.6	19.7	10.1	10.6
North Dakota	1,356	1,425	434	466	18.8	18.8	(1/)	(1/)
Ohio	1,214	1,248	450	476	19.0	19.1	11.3	11.5
Oklahoma	1,183	1,214	382	398	19.8	19.3	10.2	10.5
Oregon	1,629	1,690	528	538	23.0	22.8	12.5	11.7
Pennsylvania	1,438	1,451	509	532	20.1	20.1	12.4	12.6
Rhode Island	1,782	1,830	693	715	23.1	23.2	13.7	14.1
South Carolina	1,195	1,225	351	371	19.7	20.0	(1/)	10.2
South Dakota	1,283	1,301	458	477	19.5	19.9	10.2	11.1
Tennessee	1,184	1,228	367	384	19.7	19.8	(1/)	(1/)
Texas	1,513	1,603	484	510	20.7	21.2	11.2	11.5
Utah	1,467	1,531	408	419	21.0	20.8	(1/)	(1/)
Vermont	1,527	1,560	645	656	23.2	22.6	15.0	15.5
Virginia	1,718	1,752	447	478	21.2	21.1	(1/)	10.3
Washington	1,806	1,883	569	597	22.5	22.5	11.3	11.7
West Virginia	984	1,001	312	329	18.6	18.5	(1/)	10.0
Wisconsin	1,358	1,387	526	540	19.9	19.8	12.2	12.3
Wyoming	1,386	1,440	399	423	21.0	20.3	(1/)	(1/)
Puerto Rico	828	851	140	155	27.0	27.1	(1/)	(1/)

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

Source: U.S. Census Bureau, 2018 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://data.census.gov/>> accessed July 20, 2020.

Table 14.11-- SINGLE-FAMILY HOME PRICE APPRECIATION FOR THE UNITED STATES, THE 50 STATES, AND THE DISTRICT OF COLUMBIA: 1991 TO 2019

[In percent change from previous period and number. Period ending 2019 4th quarter 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 1/ (percent)	Rank 2/	Five-year (percent)	Since 1991, 1st quarter (percent)
United States 3/	5.09	(X)	32.88	177.78
Idaho	11.99	1	65.24	277.44
Utah	8.10	2	51.66	351.44
Arizona	7.00	3	46.07	247.08
Washington	6.96	4	58.72	294.73
Indiana	6.95	5	33.76	127.02
Delaware	6.69	6	22.73	119.59
West Virginia	6.66	7	14.25	126.09
Tennessee	6.58	8	40.64	184.73
Alabama	6.56	9	25.78	136.90
North Carolina	6.43	10	38.02	162.06
Colorado	6.40	11	53.06	395.14
Georgia	6.39	12	40.66	160.44
Wisconsin	6.14	13	32.58	180.45
Florida	6.11	14	48.31	230.34
Rhode Island	5.89	15	32.24	148.42
Ohio	5.76	16	31.13	116.06
Wyoming	5.76	17	15.96	265.05
South Carolina	5.67	18	36.46	162.45
Missouri	5.67	19	31.01	155.80
New Hampshire	5.39	20	32.72	169.88
New Mexico	5.33	21	21.52	157.34
Oklahoma	5.28	22	21.87	155.59
Maine	5.23	23	30.72	167.83
Oregon	5.21	24	46.54	351.96
Minnesota	5.20	25	32.71	205.55
Michigan	5.20	26	38.27	144.05
Hawaii	4.90	27	28.13	170.08
Pennsylvania	4.87	28	24.34	139.87
Montana	4.80	29	30.01	322.54
South Dakota	4.79	30	27.87	215.96
Virginia	4.75	31	22.83	174.91

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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 2019 -- Con.

State	One-year 1/ (percent)	Rank 2/	Five-year (percent)	Since 1991, 1st quarter (percent)
New Jersey	4.73	32	18.59	151.78
Kansas	4.65	33	27.50	159.43
Kentucky	4.57	34	28.89	153.91
Texas	4.47	35	35.50	205.30
California	4.23	36	36.68	195.46
New York	4.12	37	24.76	157.44
District of Columbia	4.12	38	35.96	489.03
Nebraska	3.90	39	30.25	178.53
Massachusetts	3.90	40	30.41	203.22
Vermont	3.85	41	22.33	150.09
Maryland	3.80	42	18.47	160.53
Nevada	3.75	43	55.29	174.21
Arkansas	3.70	44	19.47	130.62
Alaska	3.29	45	11.81	169.32
North Dakota	3.18	46	11.59	224.51
Louisiana	2.97	47	16.76	187.85
Mississippi	2.75	48	17.99	115.52
Iowa	2.06	49	21.25	154.00
Illinois	2.01	50	17.24	108.47
Connecticut	1.93	51	9.91	77.68

X Not applicable.

1/ One-year changes are relative to the value four quarters ago.

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

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

Source: Federal Housing Finance Agency (FHFA) "U.S. House Prices Rise 1.3 Percent in Fourth Quarter; Up 5.1 Percent from Last Year" pp. 16-17 (February 25, 2020)

<<https://www.fhfa.gov/DataTools/Downloads/Pages/House-Price-Index.aspx>> accessed February 25, 2020.

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/cnbc-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: 2018

[Data collected during Child Care Aware of America's February 2019 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 2/	7,280	6,500	(NA)	6,500	6,240	(NA)
Alaska	11,832	9,847	6,934	8,917	7,946	5,127
Arizona	10,822	8,724	5,244	7,376	6,935	4,978
Arkansas	6,443	4,493	3,867	5,281	4,243	3,266
California	16,452	11,202	3,736	10,609	9,984	3,845
Colorado	15,600	11,700	3,884	10,400	9,360	3,185
Connecticut	15,600	12,688	3,588	11,180	10,556	3,978
Delaware	11,371	9,054	3,713	7,876	6,975	2,886
Dist. of Columbia	24,081	18,980	9,360	18,200	11,180	7,280
Florida	9,312	7,002	3,321	8,070	6,554	3,312
Georgia	8,729	6,987	(NA)	7,309	6,037	(NA)
Hawaii	14,100	9,240	2,556	9,048	8,760	6,579
Idaho	8,636	7,665	4,852	7,396	7,026	4,587
Illinois	13,762	10,432	6,505	8,616	7,953	5,272
Indiana	12,390	9,290	4,290	6,922	6,130	3,510
Iowa	10,743	8,856	3,086	7,234	6,847	2,450
Kansas	12,584	8,736	3,588	7,384	6,500	2,847
Kentucky	7,440	6,720	4,500	6,240	6,000	3,600
Louisiana 2/	8,580	7,800	3,315	7,540	6,500	(NA)
Maine	14,248	11,232	5,400	9,360	8,580	5,000
Maryland	15,403	10,484	4,476	10,858	8,315	3,746
Massachusetts	20,880	15,475	5,620	13,184	12,210	5,231
Michigan	10,287	8,315	4,385	7,006	6,615	4,389
Minnesota	16,120	12,428	(NA)	8,476	7,748	(NA)
Mississippi 2/	5,760	5,280	(NA)	4,183	3,821	(NA)
Missouri	9,880	6,849	3,818	5,720	4,962	3,054
Montana	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Nebraska	12,272	11,148	(NA)	12,480	12,480	(NA)
Nevada	11,107	8,812	5,257	8,892	8,166	4,737
New Hampshire	13,044	10,603	3,188	9,524	9,184	3,324
New Jersey 2/	15,600	12,660	(NA)	(NA)	(NA)	(NA)
New Mexico	9,135	8,352	(NA)	7,937	7,494	(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:
2018 -- 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	9,182	8,349	(NA)	7,677	7,390	(NA)
Ohio	10,009	8,258	1,635	7,592	6,446	2,423
Oklahoma	8,940	6,762	3,205	7,101	6,270	3,017
Oregon	13,518	10,102	4,113	9,153	8,338	4,651
Pennsylvania 2/	11,560	9,540	(NA)	8,920	7,753	(NA)
Rhode Island 2/	10,955	9,793	5,140	9,900	8,811	4,868
South Carolina 2/	9,100	8,190	4,400	5,720	5,460	4,000
South Dakota	(NA)	6,198	4,586	(NA)	5,242	3,947
Tennessee	9,017	7,486	2,645	6,360	5,750	3,046
Texas 2/	9,864	8,294	5,576	7,940	7,782	4,998
Utah	10,002	7,714	8,362	7,498	6,684	6,364
Vermont	12,507	11,438	4,324	8,694	8,264	3,711
Virginia	14,560	11,544	5,440	10,504	8,892	3,480
Washington	14,844	11,352	4,860	11,208	9,504	4,068
West Virginia	8,029	6,934	(NA)	6,159	5,852	(NA)
Wisconsin	12,552	10,181	3,890	9,873	8,800	4,362
Wyoming 2/	9,100	7,800	5,650	8,224	7,693	5,760

NA Not available or not reported.

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

2/ State did not report costs on 2019 survey. Data from previous year adjusted for inflation.

Source: Child Care Aware of America, *Parents and the High Cost of Child Care 2019 Appendices*, Appendix I: "2018 Average Annual Cost of Full-Time Center-Based Child Care by State" (p. 3) and Appendix II: "2018 Average Annual Cost of Full-Time Family Child Care by State" (p. 5) <<http://usa.childcareaware.org/>> accessed January 24, 2020.

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 11, 2020

[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	3.234	3.380	3.612	4.028
Hawaii rank	1	1	1	1
U. S. average	2.197	2.534	2.800	2.440
Hawaii as percent of U.S. average	147.2	133.4	129.0	165.1
Alabama	1.894	2.228	2.555	2.288
Alaska	2.520	2.641	2.807	2.419
Arizona	2.336	2.619	2.867	2.498
Arkansas	1.890	2.180	2.470	2.153
California	3.116	3.293	3.410	3.337
Colorado	2.479	2.799	3.078	2.306
Connecticut	2.196	2.538	2.762	2.745
Delaware	2.216	2.582	2.807	2.436
District of Columbia	2.348	2.784	2.934	2.788
Florida	2.104	2.454	2.748	2.418
Georgia	1.999	2.327	2.634	2.500
Hawaii	3.234	3.380	3.612	4.028
Idaho	2.342	2.502	2.705	2.299
Illinois	2.405	2.741	3.139	2.430
Indiana	2.232	2.522	2.842	2.499
Iowa	2.111	2.258	2.659	2.239
Kansas	1.980	2.234	2.471	2.131
Kentucky	2.067	2.399	2.709	2.324
Louisiana	1.860	2.174	2.483	2.247
Maine	2.176	2.486	2.742	2.540
Maryland	2.245	2.665	2.907	2.490
Massachusetts	2.129	2.469	2.674	2.636
Michigan	2.256	2.542	2.872	2.449
Minnesota	2.095	2.328	2.632	2.351
Mississippi	1.841	2.137	2.458	2.139
Missouri	1.906	2.150	2.417	2.025
Montana	2.214	2.429	2.683	2.183
Nebraska	2.121	2.240	2.570	2.208
Nevada	2.635	2.838	3.016	2.613
New Hampshire	2.106	2.482	2.727	2.549
New Jersey	2.178	2.555	2.735	2.534
New Mexico	2.026	2.332	2.577	2.382
New York	2.258	2.577	2.810	2.836

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 11, 2020 -- Con.

Item	Regular	Mid-grade	Premium	Diesel
North Carolina	2.047	2.382	2.707	2.412
North Dakota	2.109	2.323	2.525	2.154
Ohio	2.193	2.511	2.842	2.448
Oklahoma	1.904	2.150	2.358	2.034
Oregon	2.641	2.812	2.990	2.620
Pennsylvania	2.443	2.751	3.025	2.772
Rhode Island	2.134	2.510	2.700	2.697
South Carolina	1.943	2.277	2.592	2.242
South Dakota	2.129	2.207	2.541	2.237
Tennessee	1.946	2.274	2.598	2.331
Texas	1.887	2.209	2.495	2.110
Utah	2.289	2.453	2.626	2.244
Vermont	2.159	2.499	2.760	2.528
Virginia	1.995	2.373	2.660	2.386
Washington	2.771	2.974	3.127	2.727
West Virginia	2.204	2.481	2.776	2.421
Wisconsin	2.138	2.462	2.849	2.171
Wyoming	2.144	2.346	2.599	2.352

Source: AAA's Daily Gas Prices, National Average, State Prices and Compare Prices <<http://gasprices.aaa.com/>> accessed July 11, 2020; and calculations by the Hawaii Department of Business, Economic Development & Tourism.

Table 14.17-- PARKING GARAGES DOWNTOWN HONOLULU, NUMBER OF SPACES AND RANK, AND PARKING RATES: 2018 AND 2019

[Ranked according to highest number of parking spaces in 2019]

Parking garage	2018			2019		
	Rank	Number of spaces	Range of monthly rates	Rank	Number of spaces	Range of monthly rates
Waterfront Plaza	1	1,255	(1/)	1	1,255	(1/)
Bishop Square - ASB/Pauahi Tower	2	1,146	(NA)	2	1,146	(NA)
Harbor Court 2/	3	1,048	140	3	1,048	> 220
Topa Financial Center	5	902	241-356	4	920	283-450
801 South St., Bldg. A 3/	4	915	130	5	915	(NA)
Executive Centre	6	864	240-360	6	864	265
Kukui Plaza	7	852	100	7	852	(NA)
801 South St., Bldg. B	8	788	130	8	788	(NA)
Pacific Guardian Center	9	771	268-427	9	771	8
Alii Place	10	718	267-382	10	718	267-382
Kauhale Kakaako	11	698	(NA)	11	698	135
Hale Pauahi	12	593	(NA)	12	593	90
Bishop Place 2/	13	564	250-415	13	564	< 415
Pacific Park Plaza	(4/)	(4/)	(4/)	14	557	204-272
South Street Garage 5/	14	550	50	15	550	50
Davies Pacific Center	16	495	(1/)	15	495	356
Harbor Square	15	495	260-425	17	495	260
215 N. King St.	17	448	100-145	18	448	120-145
Walmart	18	418	250-335	19	418	(NA)
Marin Tower	19	414	125	20	414	125
Chinatown Cultural Plaza	20	400	150	21	400	160
Century Square	21	364	(NA)	22	364	(NA)
City Financial Tower	22	343	(1/)	23	343	(NA)
Kawaiahao Plaza	23	314	(NA)	24	314	(NA)
Mark's Garage	24	308	230-446	25	285	240-350
Keauhou Lane	25	286	145-200	(4/)	(4/)	(4/)

NA Not applicable, not available, or not approved.

1/ Tenants only.

2/ Angled bracket open to left '>' indicates 'greater than'; to right '<' indicates 'less than'.

3/ 12-hour period for 2018.

4/ Not ranked in year shown.

5/ For State of Hawaii employees only.

Source: *Pacific Business News*, "Parking Garages, Downtown Honolulu" 2018 (April 26, 2019), page 24 <<https://www.bizjournals.com/pacific/datacenter/lists>> accessed July 21, 2020; and *Ibid.* 2019 (April 24, 2020), page 19 <<https://www.bizjournals.com/pacific/datacenter/lists>> accessed July 21, 2020.

**Table 14.18-- TOP 50 MOST EXPENSIVE CAR RENTAL DESTINATIONS
IN THE UNITED STATES: SUMMER 2019**

[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's major airport during the period spanning June 1, 2019 through August 31, 2019. 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	Cleveland	84	25	Raleigh	53
2	Cincinnati	82	27	Charlotte	52
3	Newark	81	28	Columbus	51
4	Anchorage	80	28	Atlanta	51
5	Boston	74	28	Buffalo	51
6	Pittsburgh	73	28	Sacramento	51
7	Seattle	71	32	Baltimore	50
8	Portland	70	32	Honolulu	50
9	Denver	69	34	Houston	49
9	Indianapolis	69	35	Savannah	46
11	Minneapolis	68	35	San Antonio	46
12	Washington D.C.	65	37	Tucson	45
13	Philadelphia	65	37	Chicago	45
14	Austin	61	37	Phoenix	45
15	Charleston	60	40	Milwaukee	44
16	Memphis	58	41	Salt Lake City	43
16	Oklahoma City	58	42	New Orleans	41
18	Albuquerque	57	43	Tampa	38
18	Reno	57	44	San Diego	36
20	Nashville	56	45	Dallas	35
21	New York City	55	46	Los Angeles	32
21	St. Louis	55	47	Los Vegas	31
21	Kansas City	55	48	Jacksonville	26
21	Detroit	55	49	Orlando	24
25	San Francisco	53	50	Miami	23

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"

(June 11, 2019) <<https://www.cheapcarrental.net/press.html>> accessed February 18, 2020.

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

Continued on next page.

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 ANNUAL AND RANGE OF CAR INSURANCE PREMIUMS FOR EACH OF THE 50 STATES AND THE DISTRICT OF COLUMBIA: 2020

[According to a compilation done by Business Insider of the average of rates reported by Nerdwallet, The Zebra, ValuePenguin, Bankrate, and the National Association of Insurance Commissioners. 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, insurance claims history, and more. The range and the average are presented for each state]

State	Car insurance premium		State	Car insurance premium	
	Average	Range		Average	Range
Alabama	1,439	868 - 2,078	Montana	1,498	864 - 2,525
Alaska	1,242	1,028 - 1,502	Nebraska	1,355	831 - 2,038
Arizona	1,543	973 - 2,699	Nevada	1,855	1,103 - 3,190
Arkansas	1,459	906 - 2,213	New Hampshire	1,451	819 - 2,004
California	1,647	987 - 1,815	New Jersey	1,756	1,104 - 3,013
Colorado	1,915	982 - 3,164	New Mexico	1,608	938 - 2,194
Connecticut	1,781	1,151 - 2,619	New York	1,894	1,352 - 2,752
Delaware	1,970	1,241 - 2,513	North Carolina	1,316	789 - 1,692
Dist. of Col.	1,715	1,331 - 2,793	North Dakota	1,178	773 - 1,979
Florida	2,007	1,257 - 3,370	Ohio	1,249	789 - 1,688
Georgia	1,942	1,048 - 2,619	Oklahoma	1,465	1,005 - 2,659
Hawaii	1,324	873 - 1,548	Oregon	1,598	905 - 2,205
Idaho	1,122	680 - 1,777	Pennsylvania	1,414	971 - 2,018
Illinois	1,335	885 - 2,313	Rhode Island	2,018	1,304 - 3,847
Indiana	1,166	755 - 1,489	South Carolina	1,706	973 - 2,112
Iowa	1,100	702 - 1,482	South Dakota	1,399	767 - 2,338
Kansas	1,313	863 - 2,190	Tennessee	1,365	871 - 1,821
Kentucky	1,863	939 - 3,418	Texas	1,699	1,110 - 2,594
Louisiana	2,480	1,405 - 3,525	Utah	1,606	873 - 2,538
Maine	1,510	704 - 2,340	Vermont	1,207	764 - 1,769
Maryland	1,463	896 - 2,431	Virginia	1,127	843 - 1,498
Massachusetts	1,385	1,129 - 1,866	Washington	1,106	918 - 1,691
Michigan	3,343	1,272 - 8,723	West Virginia	1,410	1,026 - 2,131
Minnesota	2,040	875 - 2,693	Wisconsin	1,241	737 - 1,590
Mississippi	1,450	994 - 2,208	Wyoming	1,246	847 - 2,118
Missouri	1,560	872 - 2,584			

Source: Business Insider "The average cost of car insurance in the U.S." (May 29, 2020)
 <<https://www.businessinsider.com/personal-finance/average-cost-of-car-insurance>>
 accessed July 21, 2020.

Table 14.23-- COST OF LIVING GLOBAL RANK FOR SELECTED MAJOR CITIES IN THE UNITED STATES: 2009 TO 2020

[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/											
	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Atlanta, GA	(NA)	(NA)	(NA)	(NA)	(NA)	147	103	78	83	95	69	60
Boston, MA	(NA)	(NA)	(NA)	(NA)	123	109	64	47	51	70	49	41
Chicago, IL	50	(NA)	(NA)	(NA)	(NA)	85	42	34	31	51	37	30
Cleveland, OH	(NA)	(NA)	(NA)	(NA)	(NA)	167	133	110	100	125	106	93
Dallas, TX	(NA)	(NA)	(NA)	(NA)	(NA)	125	77	62	62	85	62	52
Detroit, MI	(NA)	(NA)	(NA)	(NA)	(NA)	160	122	103	95	116	90	80
Honolulu, HI	41	(NA)	(NA)	(NA)	117	97	52	37	35	54	38	28
Houston, TX	(NA)	(NA)	(NA)	(NA)	(NA)	143	92	75	74	86	59	51
Los Angeles, CA	23	55	(NA)	(NA)	(NA)	62	36	27	23	35	18	17
Miami, FL	45	(NA)	(NA)	(NA)	114	98	56	45	41	60	44	37
Minneapolis, MN	(NA)	(NA)	(NA)	(NA)	(NA)	156	115	91	86	102	78	69
Morristown, NJ	(NA)	(NA)	(NA)	(NA)	(NA)	132	88	71	81	97	70	62
New York City, NY	8	27	32	33	24	16	16	11	9	13	9	6
Pittsburgh, PA	(NA)	(NA)	(NA)	(NA)	(NA)	162	130	112	107	125	97	91
Portland, OR	(NA)	(NA)	(NA)	(NA)	(NA)	166	135	117	115	130	107	92
San Francisco, CA	34	(NA)	(NA)	(NA)	92	74	37	26	21	28	16	16
Seattle, WA	(NA)	(NA)	(NA)	(NA)	(NA)	153	106	83	76	90	64	55
St. Louis, MO	(NA)	(NA)	(NA)	(NA)	(NA)	161	130	108	100	122	94	83
Washington, DC	(NA)	111	(NA)	(NA)	(NA)	92	50	38	39	56	42	32
White Plains, NY	31	(NA)	(NA)	(NA)	(NA)	81	71	61	64	79	56	48
Winston Salem, NC	(NA)	197	(NA)	(NA)	(NA)	182	157	147	140	161	138	132

Continued on next page.

Table 14.23-- COST OF LIVING GLOBAL RANK FOR SELECTED MAJOR CITIES IN THE UNITED STATES: 2009 TO 2020 -- 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; Ibid. 2020 Mercer's Cost of Living Survey helps employers navigate expatriate packages, essential due to uncertainty from pandemic (June 6, 2020) <<https://www.mercer.com/newsroom/2020-cost-of-living.html>> accessed July 15, 2020.

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 2020

[As of June 4, 2020. 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/ Locality rate 6/	25.00 0.00	18.00 0.00	25.00 0.00	25.00 0.00
January 1, 2010	COLA 6/ 7/ Payable locality rate 6/ Full locality rate 6/	20.94 4.72 14.16	14.26 4.72 14.16	20.94 4.72 14.16	20.94 4.72 14.16
January 1, 2011	COLA 6/ 8/ Payable locality rate 6/ Full locality rate 6/	16.07 11.01 16.51	9.76 11.01 16.51	16.07 11.01 16.51	16.07 11.01 16.51
January 1, 2012	COLA 6/ 8/ Payable locality rate 6/ Full locality rate 6/	12.25 16.51 16.51	6.24 16.51 16.51	12.25 16.51 16.51	12.25 16.51 16.51
January 1, 2016	COLA 6/ Locality rate 6/	12.05 16.81	6.05 16.81	12.05 16.81	12.05 16.81
January 1, 2017	COLA 6/ Locality rate 6/	11.32 17.92	5.39 17.92	11.32 17.92	11.32 17.92
January 1, 2018	COLA 6/ Locality rate 6/	10.99 18.43	5.08 18.43	10.99 18.43	10.99 18.43
January 1, 2019	COLA 6/ Locality rate 6/	10.64 18.98	4.76 18.98	10.64 18.98	10.64 18.98
January 1, 2020	COLA 6/ Locality rate 6/	10.28 19.56	4.42 19.56	10.28 19.56	10.28 19.56
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 2020 -- 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"; OPM "COLA and Locality Pay Rates Locality Pay Rates in Nonforeign Areas 2020" accessed June 4, 2020.

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

[As of July 1, 2020. 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 <https://www.defensetravel.dod.mil/Docs/perdiem/browse/Allowances/Appendix_J_Overseas_COLA_Tables/2020-COLA-Indexes/07-01-20_COLA_Indices.pdf> accessed June 29, 2020.

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

[As of July 1, 2020. 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	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	56	24	July 1, 2019
Honolulu	326	177	119	67	30	July 1, 2019
Isle of Hawaii: Hilo	319	199	96	56	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	68	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	56	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.

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 2020"

<<http://www.defensetravel.dod.mil/site/perdiem.cfm>> accessed June 30, 2020.