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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: 1987 TO 2016

[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 2016 (see Table 13.03) but Real (Chained- 2009 dollar) GDP is not available before 1987]

| Year | Hawaii | United States | Year | Hawaii | United States |
|-----------------------|---------|---------------|----------------------------|---------|---------------|
| SIC 1997 = 100.000 1/ | | | NAICS 2009 = 100.000 1/ 2/ | | |
| 1987 | 74.972 | 76.506 | 1997 | 70.903 | 76.830 |
| 1988 | 77.483 | 78.970 | 1998 | 72.666 | 77.809 |
| 1989 | 80.307 | 82.050 | 1999 | 74.678 | 79.032 |
| 1990 | 83.046 | 85.140 | 2000 | 77.215 | 81.003 |
| 1991 | 86.420 | 88.154 | 2001 | 80.287 | 82.889 |
| 1992 | 88.478 | 90.322 | 2002 | 82.339 | 84.170 |
| 1993 | 91.482 | 92.824 | 2003 | 84.571 | 86.042 |
| 1994 | 93.343 | 94.848 | 2004 | 87.256 | 88.634 |
| 1995 | 95.477 | 96.820 | 2005 | 90.357 | 91.635 |
| 1996 | 97.427 | 98.453 | 2006 | 93.577 | 94.435 |
| 1997 | 100.000 | 100.000 | 2007 | 96.721 | 97.248 |
| | | | 2008 | 98.481 | 99.377 |
| | | | 2009 | 100.000 | 100.000 |
| | | | 2010 | 101.220 | 101.583 |
| | | | 2011 | 103.010 | 103.858 |
| | | | 2012 | 105.252 | 106.049 |
| | | | 2013 | 107.110 | 108.006 |
| | | | 2014 | 109.600 | 110.116 |
| | | | 2015 | 112.389 | 111.374 |
| | | | 2016 | 114.559 | 112.931 |

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.

2/ 1997 to 2015 for Hawaii, 1997 to 2005 and 2013 to 2015 for the U.S. were revised from previous *Data Book*.

Source: U.S. Bureau of Economic Analysis, Gross Domestic Product by Industry (May 11, 2017) <http://www.bea.gov/iTable/index_regional.cfm> accessed July 10, 2017; 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 2015**

[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. 2013 and 2014 revised from previous *Data Book*]

| State | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 |
|-------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Hawaii | | | | | | | | |
| All items | 118.1 | 117.1 | 117.2 | 116.9 | 117.8 | 118.3 | 118.3 | 118.8 |
| Goods | 106.1 | 106.8 | 107.1 | 108.5 | 109.3 | 109.3 | 109.1 | 109.2 |
| Services: rents | 167.5 | 164.6 | 159.2 | 157.3 | 159.1 | 159.3 | 159.0 | 163.4 |
| Services: other | 109.3 | 106.6 | 104.2 | 103.0 | 103.7 | 104.7 | 104.5 | 104.3 |
| Alabama | 87.6 | 87.5 | 87.9 | 87.7 | 88.1 | 87.8 | 87.2 | 86.8 |
| Alaska | 106.9 | 106.9 | 105.5 | 105.1 | 105.4 | 104.9 | 106.3 | 105.6 |
| Arizona | 100.6 | 100.1 | 98.6 | 97.9 | 97.1 | 96.5 | 96.2 | 96.2 |
| Arkansas | 86.9 | 86.6 | 87.7 | 87.6 | 87.8 | 87.8 | 87.1 | 87.4 |
| California | 113.1 | 112.9 | 113.6 | 113.4 | 112.9 | 113.1 | 113.4 | 113.4 |
| Colorado | 100.4 | 101.1 | 100.9 | 101.4 | 101.1 | 102.1 | 102.5 | 103.2 |
| Connecticut | 110.7 | 110.4 | 109.4 | 109.0 | 109.2 | 108.5 | 108.6 | 108.7 |
| Delaware | 102.0 | 103.2 | 102.8 | 101.8 | 101.2 | 100.6 | 101.4 | 100.4 |
| Dist. of Columbia | 115.6 | 116.4 | 118.2 | 117.8 | 117.7 | 117.0 | 118.0 | 117.0 |
| Florida | 100.8 | 100.0 | 99.1 | 99.2 | 99.1 | 99.2 | 99.4 | 99.5 |
| Georgia | 93.5 | 93.1 | 92.3 | 91.9 | 92.2 | 92.3 | 92.0 | 92.6 |
| Hawaii | 118.1 | 117.1 | 117.2 | 116.9 | 117.8 | 118.3 | 118.3 | 118.8 |
| Idaho | 95.2 | 94.8 | 93.5 | 93.3 | 93.4 | 93.2 | 93.6 | 93.4 |
| Illinois | 100.2 | 100.9 | 100.9 | 101.1 | 100.7 | 99.7 | 99.7 | 99.7 |
| Indiana | 91.2 | 91.4 | 91.4 | 91.7 | 91.4 | 91.3 | 91.0 | 90.7 |
| Iowa | 88.6 | 89.0 | 89.2 | 90.0 | 90.2 | 90.6 | 90.3 | 90.3 |
| Kansas | 89.3 | 89.6 | 89.9 | 90.7 | 90.6 | 91.3 | 90.7 | 90.4 |
| Kentucky | 88.9 | 88.7 | 88.6 | 88.6 | 88.8 | 89.3 | 88.3 | 88.6 |
| Louisiana | 90.7 | 91.4 | 91.2 | 91.0 | 91.4 | 91.2 | 91.0 | 90.6 |
| Maine | 98.0 | 98.1 | 96.8 | 97.4 | 98.4 | 98.5 | 97.4 | 98.0 |
| Maryland | 110.3 | 111.3 | 111.0 | 110.9 | 110.1 | 109.9 | 110.1 | 109.6 |
| Massachusetts | 108.3 | 108.0 | 108.0 | 107.8 | 106.6 | 106.7 | 106.9 | 106.9 |
| Michigan | 95.4 | 95.2 | 94.7 | 94.6 | 94.5 | 94.3 | 93.7 | 93.5 |
| Minnesota | 97.4 | 97.7 | 97.1 | 97.2 | 97.6 | 97.5 | 97.5 | 97.4 |
| Mississippi | 86.4 | 85.8 | 86.7 | 86.8 | 86.5 | 87.2 | 86.3 | 86.2 |
| Missouri | 87.8 | 87.9 | 88.3 | 89.1 | 89.3 | 89.9 | 89.5 | 89.3 |
| Montana | 95.3 | 94.5 | 93.9 | 93.8 | 93.5 | 94.6 | 94.5 | 94.8 |

Continued on next page.

**Table 14.02-- REGIONAL PRICE PARITIES (RPPs), ALL ITEMS, BY STATE,
AND FOR HAWAII, BY COMPONENT: 2008 TO 2015 -- Con.**

| State | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 |
|----------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Nebraska | 89.7 | 89.6 | 90.3 | 90.3 | 90.6 | 90.7 | 90.5 | 90.6 |
| Nevada | 100.8 | 100.7 | 99.9 | 99.8 | 98.7 | 98.7 | 98.0 | 98.0 |
| New Hampshire | 107.2 | 106.4 | 106.5 | 105.3 | 105.6 | 105.4 | 105.2 | 105.0 |
| New Jersey | 112.9 | 113.3 | 114.1 | 114.6 | 114.4 | 113.4 | 114.0 | 113.4 |
| New Mexico | 94.4 | 94.4 | 94.6 | 95.3 | 95.0 | 95.3 | 95.1 | 94.4 |
| New York | 115.1 | 115.3 | 115.2 | 115.2 | 115.3 | 115.2 | 115.7 | 115.3 |
| North Carolina | 92.0 | 92.1 | 91.3 | 91.5 | 91.7 | 91.8 | 91.5 | 91.2 |
| North Dakota | 88.5 | 89.0 | 89.2 | 89.7 | 91.0 | 91.7 | 91.6 | 92.3 |
| Ohio | 90.0 | 89.3 | 89.8 | 89.7 | 89.4 | 89.5 | 89.2 | 89.2 |
| Oklahoma | 88.9 | 89.5 | 89.6 | 89.6 | 89.9 | 90.0 | 89.7 | 89.9 |
| Oregon | 98.3 | 98.9 | 98.5 | 98.5 | 98.7 | 98.9 | 99.2 | 99.2 |
| Pennsylvania | 98.2 | 98.2 | 98.5 | 98.4 | 98.4 | 98.6 | 98.0 | 97.9 |
| Rhode Island | 100.2 | 100.0 | 99.1 | 99.4 | 98.8 | 98.8 | 99.1 | 98.7 |
| South Carolina | 91.1 | 91.5 | 90.4 | 90.8 | 90.8 | 90.5 | 90.1 | 90.3 |
| South Dakota | 86.9 | 85.8 | 86.9 | 87.3 | 88.9 | 88.0 | 87.9 | 88.2 |
| Tennessee | 90.5 | 90.5 | 90.2 | 90.3 | 90.8 | 90.7 | 89.9 | 89.9 |
| Texas | 96.5 | 96.4 | 96.3 | 96.2 | 96.2 | 96.3 | 96.5 | 96.8 |
| Utah | 96.8 | 97.8 | 96.9 | 97.2 | 97.1 | 97.7 | 97.2 | 97.0 |
| Vermont | 100.4 | 100.6 | 99.5 | 99.9 | 100.8 | 100.9 | 101.8 | 101.6 |
| Virginia | 102.8 | 103.5 | 103.1 | 103.0 | 103.0 | 102.8 | 102.6 | 102.5 |
| Washington | 103.2 | 103.7 | 103.0 | 102.9 | 103.5 | 104.2 | 104.8 | 104.8 |
| West Virginia | 87.0 | 87.5 | 88.4 | 88.5 | 88.6 | 88.6 | 88.4 | 88.9 |
| Wisconsin | 93.0 | 92.9 | 92.8 | 93.3 | 93.5 | 93.2 | 93.3 | 93.1 |
| Wyoming | 96.1 | 96.1 | 95.9 | 96.7 | 95.8 | 96.0 | 96.6 | 96.2 |

Source: U.S. Bureau of Economic Analysis, State Real Personal Income (June 22, 2017)
 <<http://www.bea.gov/iTable/iTable.cfm?ReqID=70&step=1>> accessed June 22, 2017. See also
 "Real Personal Income for States and Metropolitan Areas, 2015"
 <<https://www.bea.gov/newsreleases/regional/rpp/2017/pdf/rpp0617.pdf>>.

**Table 14.03-- IMPLICIT REGIONAL PRICE DEFLATOR, BY STATE:
2008 TO 2015**

[Calculated as personal income divided by real personal income. Base year is 2009. Source indicated 2013 and 2014 revised but occasional individual deflators for 2008 to 2012 also revised from previous *Data Book*]

| State | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 |
|----------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Alabama | 87.4 | 87.2 | 89.2 | 91.1 | 93.3 | 94.2 | 95.0 | 95.0 |
| Alaska | 106.6 | 106.6 | 107.0 | 109.2 | 111.6 | 112.6 | 115.9 | 115.5 |
| Arizona | 100.4 | 99.8 | 100.0 | 101.7 | 102.9 | 103.5 | 104.9 | 105.2 |
| Arkansas | 86.8 | 86.4 | 88.9 | 91.1 | 93.0 | 94.2 | 94.9 | 95.6 |
| California | 112.8 | 112.5 | 115.2 | 117.8 | 119.6 | 121.4 | 123.6 | 123.9 |
| Colorado | 100.2 | 100.8 | 102.4 | 105.4 | 107.1 | 109.6 | 111.7 | 112.8 |
| Connecticut | 110.4 | 110.0 | 111.0 | 113.3 | 115.7 | 116.5 | 118.4 | 118.9 |
| Delaware | 101.8 | 102.9 | 104.3 | 105.8 | 107.2 | 108.0 | 110.5 | 109.7 |
| Dist. of | 115.4 | 116.1 | 119.9 | 122.4 | 124.7 | 125.6 | 128.6 | 127.9 |
| Florida | 100.6 | 99.7 | 100.5 | 103.1 | 105.0 | 106.5 | 108.4 | 108.8 |
| Georgia | 93.3 | 92.8 | 93.6 | 95.5 | 97.6 | 99.1 | 100.3 | 101.2 |
| Hawaii | 117.9 | 116.7 | 118.9 | 121.5 | 124.8 | 127.0 | 128.9 | 129.9 |
| Idaho | 95.0 | 94.5 | 94.9 | 97.0 | 98.9 | 100.1 | 102.0 | 102.1 |
| Illinois | 99.9 | 100.6 | 102.3 | 105.1 | 106.6 | 107.1 | 108.7 | 109.0 |
| Indiana | 91.0 | 91.1 | 92.7 | 95.3 | 96.8 | 98.0 | 99.1 | 99.2 |
| Iowa | 88.4 | 88.8 | 90.5 | 93.5 | 95.5 | 97.2 | 98.4 | 98.7 |
| Kansas | 89.1 | 89.3 | 91.2 | 94.2 | 96.0 | 98.0 | 98.9 | 98.9 |
| Kentucky | 88.7 | 88.4 | 89.9 | 92.0 | 94.1 | 95.8 | 96.3 | 96.9 |
| Louisiana | 90.5 | 91.1 | 92.5 | 94.6 | 96.8 | 97.9 | 99.2 | 99.1 |
| Maine | 97.8 | 97.8 | 98.2 | 101.2 | 104.2 | 105.7 | 106.1 | 107.1 |
| Maryland | 110.1 | 111.0 | 112.6 | 115.3 | 116.7 | 117.9 | 120.0 | 119.8 |
| Massachusetts | 108.1 | 107.6 | 109.5 | 112.0 | 112.9 | 114.5 | 116.5 | 116.9 |
| Michigan | 95.2 | 94.9 | 96.0 | 98.3 | 100.1 | 101.2 | 102.1 | 102.2 |
| Minnesota | 97.1 | 97.4 | 98.5 | 101.0 | 103.4 | 104.7 | 106.3 | 106.5 |
| Mississippi | 86.2 | 85.6 | 87.9 | 90.2 | 91.7 | 93.6 | 94.1 | 94.3 |
| Missouri | 87.6 | 87.6 | 89.5 | 92.6 | 94.6 | 96.5 | 97.6 | 97.6 |
| Montana | 95.1 | 94.2 | 95.3 | 97.5 | 99.1 | 101.5 | 102.9 | 103.7 |
| Nebraska | 89.5 | 89.4 | 91.6 | 93.8 | 96.0 | 97.4 | 98.6 | 99.1 |
| Nevada | 100.5 | 100.4 | 101.3 | 103.7 | 104.6 | 105.9 | 106.8 | 107.2 |
| New Hampshire | 107.0 | 106.1 | 108.0 | 109.4 | 111.9 | 113.2 | 114.7 | 114.8 |
| New Jersey | 112.7 | 113.0 | 115.7 | 119.1 | 121.2 | 121.7 | 124.3 | 124.0 |
| New Mexico | 94.2 | 94.2 | 96.0 | 99.0 | 100.7 | 102.3 | 103.6 | 103.2 |
| New York | 114.8 | 115.0 | 116.9 | 119.7 | 122.2 | 123.6 | 126.1 | 126.1 |
| North Carolina | 91.8 | 91.8 | 92.6 | 95.0 | 97.1 | 98.5 | 99.7 | 99.7 |
| North Dakota | 88.3 | 88.8 | 90.5 | 93.2 | 96.4 | 98.5 | 99.8 | 101.0 |
| Ohio | 89.8 | 89.0 | 91.0 | 93.2 | 94.7 | 96.1 | 97.2 | 97.5 |
| Oklahoma | 88.7 | 89.2 | 90.9 | 93.1 | 95.2 | 96.6 | 97.7 | 98.3 |
| Oregon | 98.0 | 98.6 | 99.9 | 102.4 | 104.5 | 106.2 | 108.1 | 108.5 |

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**Table 14.03-- IMPLICIT REGIONAL PRICE DEFLATOR, BY STATE:
2008 TO 2015 -- Con.**

| State | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 |
|----------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Pennsylvania | 98.0 | 97.9 | 99.9 | 102.3 | 104.3 | 105.9 | 106.8 | 107.1 |
| Rhode Island | 100.0 | 99.7 | 100.6 | 103.2 | 104.6 | 106.0 | 108.0 | 108.0 |
| South Carolina | 90.9 | 91.2 | 91.7 | 94.3 | 96.2 | 97.2 | 98.2 | 98.7 |
| South Dakota | 86.7 | 85.5 | 88.2 | 90.7 | 94.1 | 94.4 | 95.8 | 96.4 |
| Tennessee | 90.3 | 90.2 | 91.5 | 93.8 | 96.1 | 97.4 | 97.9 | 98.3 |
| Texas | 96.3 | 96.2 | 97.6 | 100.0 | 101.9 | 103.4 | 105.1 | 105.8 |
| Utah | 96.6 | 97.5 | 98.3 | 101.0 | 102.9 | 104.8 | 105.9 | 106.1 |
| Vermont | 100.2 | 100.3 | 100.9 | 103.8 | 106.8 | 108.3 | 111.0 | 111.1 |
| Virginia | 102.6 | 103.2 | 104.6 | 107.0 | 109.1 | 110.3 | 111.8 | 112.1 |
| Washington | 103.0 | 103.4 | 104.5 | 106.9 | 109.6 | 111.8 | 114.2 | 114.6 |
| West Virginia | 86.8 | 87.3 | 89.7 | 92.0 | 93.8 | 95.1 | 96.3 | 97.2 |
| Wisconsin | 92.8 | 92.6 | 94.1 | 96.9 | 99.1 | 100.1 | 101.7 | 101.9 |
| Wyoming | 95.9 | 95.8 | 97.3 | 100.5 | 101.4 | 103.1 | 105.3 | 105.2 |

Source: U.S. Bureau of Economic Analysis, Real State Personal Income (June 22, 2017)
 <<http://www.bea.gov/iTable/iTable.cfm?ReqID=70&step=1>> accessed June 22, 2017. See also
 "Real Personal Income for States and Metropolitan Areas, 2015"
 <<https://www.bea.gov/newsreleases/regional/rpp/2017/pdf/rpp0617.pdf>>.

Table 14.04-- CONSUMER PRICE INDEX, FOR ALL URBAN CONSUMERS (CPI-U), ALL ITEMS, FOR HONOLULU AND UNITED STATES: 1940 TO 2016

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

| Year | Honolulu | | United States | |
|------|----------------|-----------------------------------|----------------|-----------------------------------|
| | Annual average | Percent change from previous year | Annual average | Percent change from previous year |
| 1940 | 14.7 | (X) | 14.0 | 0.7 |
| 1941 | 15.5 | 5.4 | 14.7 | 5.0 |
| 1942 | 17.6 | 13.5 | 16.3 | 10.9 |
| 1943 | 18.9 | 7.4 | 17.3 | 6.1 |
| 1944 | 19.2 | 1.6 | 17.6 | 1.7 |
| 1945 | 19.7 | 2.6 | 18.0 | 2.3 |
| 1946 | 21.0 | 6.6 | 19.5 | 8.3 |
| 1947 | 24.4 | 16.2 | 22.3 | 14.4 |
| 1948 | 25.7 | 5.3 | 24.1 | 8.1 |
| 1949 | 25.2 | -1.9 | 23.8 | -1.2 |
| 1950 | 24.3 | -3.6 | 24.1 | 1.3 |
| 1951 | 25.7 | 5.8 | 26.0 | 7.9 |
| 1952 | 26.5 | 3.1 | 26.5 | 1.9 |
| 1953 | 26.7 | 0.8 | 26.7 | 0.8 |
| 1954 | 26.9 | 0.7 | 26.9 | 0.7 |
| 1955 | 27.3 | 1.5 | 26.8 | -0.4 |
| 1956 | 27.7 | 1.5 | 27.2 | 1.5 |
| 1957 | 28.6 | 3.2 | 28.1 | 3.3 |
| 1958 | 30.0 | 4.9 | 28.9 | 2.8 |
| 1959 | 30.5 | 1.7 | 29.1 | 0.7 |
| 1960 | 31.3 | 2.6 | 29.6 | 1.7 |
| 1961 | 32.1 | 2.6 | 29.9 | 1.0 |
| 1962 | 32.8 | 2.2 | 30.2 | 1.0 |
| 1963 | 33.5 | 2.1 | 30.6 | 1.3 |
| 1964 | 33.7 | 0.6 | 31.0 | 1.3 |
| 1965 | 34.4 | 2.1 | 31.5 | 1.6 |
| 1966 | 35.3 | 2.6 | 32.4 | 2.9 |
| 1967 | 36.3 | 2.8 | 33.4 | 3.1 |
| 1968 | 37.7 | 3.9 | 34.8 | 4.2 |
| 1969 | 39.4 | 4.5 | 36.7 | 5.5 |
| 1970 | 41.5 | 5.3 | 38.8 | 5.7 |
| 1971 | 43.2 | 4.1 | 40.5 | 4.4 |
| 1972 | 44.6 | 3.2 | 41.8 | 3.2 |
| 1973 | 46.6 | 4.5 | 44.4 | 6.2 |
| 1974 | 51.5 | 10.5 | 49.3 | 11.0 |

Continued on next page.

Table 14.04-- CONSUMER PRICE INDEX, FOR ALL URBAN CONSUMERS (CPI-U), ALL ITEMS, FOR HONOLULU AND UNITED STATES: 1940 TO 2016 -- Con.

| Year | Honolulu | | United States | |
|------|----------------|-----------------------------------|----------------|-----------------------------------|
| | Annual average | Percent change from previous year | Annual average | Percent change from previous year |
| 1975 | 56.3 | 9.3 | 53.8 | 9.1 |
| 1976 | 59.1 | 5.0 | 56.9 | 5.8 |
| 1977 | 62.1 | 5.1 | 60.6 | 6.5 |
| 1978 | 66.9 | 7.7 | 65.2 | 7.6 |
| 1979 | 74.3 | 11.1 | 72.6 | 11.3 |
| 1980 | 83.0 | 11.7 | 82.4 | 13.5 |
| 1981 | 91.7 | 10.5 | 90.9 | 10.3 |
| 1982 | 97.2 | 6.0 | 96.5 | 6.2 |
| 1983 | 99.3 | 2.2 | 99.6 | 3.2 |
| 1984 | 103.5 | 4.2 | 103.9 | 4.3 |
| 1985 | 106.8 | 3.2 | 107.6 | 3.6 |
| 1986 | 109.4 | 2.4 | 109.6 | 1.9 |
| 1987 | 114.9 | 5.0 | 113.6 | 3.6 |
| 1988 | 121.7 | 5.9 | 118.3 | 4.1 |
| 1989 | 128.7 | 5.8 | 124.0 | 4.8 |
| 1990 | 138.1 | 7.3 | 130.7 | 5.4 |
| 1991 | 148.0 | 7.2 | 136.2 | 4.2 |
| 1992 | 155.1 | 4.8 | 140.3 | 3.0 |
| 1993 | 160.1 | 3.2 | 144.5 | 3.0 |
| 1994 | 164.5 | 2.7 | 148.2 | 2.6 |
| 1995 | 168.1 | 2.2 | 152.4 | 2.8 |
| 1996 | 170.7 | 1.5 | 156.9 | 3.0 |
| 1997 | 171.9 | 0.7 | 160.5 | 2.3 |
| 1998 | 171.5 | -0.2 | 163.0 | 1.6 |
| 1999 | 173.3 | 1.0 | 166.6 | 2.2 |
| 2000 | 176.3 | 1.7 | 172.2 | 3.4 |
| 2001 | 178.4 | 1.2 | 177.1 | 2.8 |
| 2002 | 180.3 | 1.1 | 179.9 | 1.6 |
| 2003 | 184.5 | 2.3 | 184.0 | 2.3 |
| 2004 | 190.6 | 3.3 | 188.9 | 2.7 |
| 2005 | 197.8 | 3.8 | 195.3 | 3.4 |
| 2006 | 209.4 | 5.9 | 201.6 | 3.2 |
| 2007 | 219.504 | 4.8 | 207.342 | 2.8 |
| 2008 | 228.861 | 4.3 | 215.303 | 3.8 |
| 2009 | 230.048 | 0.5 | 214.537 | -0.4 |
| 2010 | 234.869 | 2.1 | 218.056 | 1.6 |
| 2011 | 243.622 | 3.7 | 224.939 | 3.2 |
| 2012 | 249.474 | 2.4 | 229.594 | 2.1 |
| 2013 | 253.924 | 1.8 | 232.957 | 1.5 |
| 2014 | 257.589 | 1.4 | 236.736 | 1.6 |
| 2015 | 260.165 | 1.0 | 237.017 | 0.1 |
| 2016 | 265.283 | 2.0 | 240.007 | 1.3 |

Continued on next page.

**Table 14.04-- CONSUMER PRICE INDEX, FOR ALL URBAN CONSUMERS
(CPI-U), ALL ITEMS, FOR HONOLULU AND UNITED STATES:
1940 TO 2016 -- Con.**

X Not applicable.

Source: For Honolulu: 1940-1963 from 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. 1987-2016: U.S. Bureau of Labor Statistics, Consumer Price Index-All Urban Consumers [CPI-U] Honolulu and the United States <<http://www.bls.gov/cpi/home.htm>> accessed January 18, 2017.

Table 14.05-- CONSUMER PRICE INDEX- ALL ITEMS, BY TYPE OF CONSUMER, FOR HONOLULU: SEMI-ANNUAL AND ANNUAL AVERAGE, 1984 TO 2016

[U.S. Bureau of Labor Statistics instituted a 3-decimal presentation beginning January 2007]

| 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 |
| 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 |

Continued on next page.

Table 14.05-- CONSUMER PRICE INDEX- ALL ITEMS, BY TYPE OF CONSUMER, FOR HONOLULU: SEMI-ANNUAL AND ANNUAL AVERAGE, 1984 TO 2016 -- 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 |

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>> accessed January 18, 2017.

**Table 14.06-- CONSUMER PRICE INDEX FOR ALL URBAN CONSUMERS (CPI-U),
BY EXPENDITURE CATEGORY AND COMMODITY AND SERVICE GROUP,
FOR HONOLULU: ANNUAL AVERAGE, 2012 TO 2016**

[Unless otherwise specified, 1982-1984 =100. U.S. Bureau of Labor Statistics instituted a 3-decimal presentation beginning January 2007]

| Group | 2012 | 2013 | 2014 | 2015 | 2016 |
|--------------------------------------|---------|---------|---------|---------|---------|
| All items | 249.474 | 253.924 | 257.589 | 260.165 | 265.283 |
| Food and beverages | 242.786 | 250.922 | 256.023 | 267.041 | 272.051 |
| Food | 243.315 | 250.720 | 256.204 | 267.643 | 272.998 |
| Food at home | 251.257 | 254.618 | 260.591 | 267.011 | 267.579 |
| Food away from home | 230.345 | 241.201 | 247.703 | 262.972 | 273.003 |
| Alcoholic beverages | 233.299 | 251.786 | 250.982 | 255.672 | 254.162 |
| Housing | 265.473 | 269.885 | 273.499 | 276.047 | 283.565 |
| Shelter | 280.702 | 285.979 | 289.519 | 298.217 | 309.116 |
| Rent of primary residence | 278.121 | 281.572 | 287.813 | 295.635 | 303.583 |
| Owners' equiv. rent of prim. res. 1/ | 289.858 | 296.499 | 298.747 | 308.127 | 320.863 |
| Fuel and utilities | 360.247 | 363.734 | 375.685 | 329.285 | 318.341 |
| Household energy 2/ | 327.002 | 326.966 | 334.996 | 267.540 | 243.208 |
| Energy services 3/ | 322.344 | 322.311 | 330.151 | 262.786 | 238.477 |
| Electricity | 318.271 | 318.855 | 327.118 | 260.267 | 236.276 |
| Utility (piped) gas service | 341.478 | 328.520 | 331.538 | 267.090 | 235.752 |
| Household furnishings & operation | 153.086 | 153.196 | 151.278 | 149.060 | 148.734 |
| Household furn. and supplies 4/ | 92.567 | 92.365 | 89.619 | 87.882 | 86.918 |
| Apparel | 121.481 | 119.011 | 111.141 | 108.893 | 111.736 |
| Transportation | 231.275 | 233.133 | 236.373 | 216.756 | 211.645 |
| Private transportation | 235.881 | 236.516 | 237.308 | 212.590 | 203.453 |
| Transp. comm. less motor fuel 4/ | 100.044 | 101.351 | 103.454 | 105.039 | 103.473 |
| Motor fuel | 329.113 | 324.575 | 317.398 | 229.138 | 198.214 |
| Gasoline (all types) | 338.599 | 333.975 | 326.302 | 235.085 | 203.309 |
| Gasoline, unleaded regular 5/ | 360.067 | 355.142 | 346.012 | 247.260 | 212.986 |
| Gasoline, unleaded midgrade 5/ 6/ | 263.366 | 259.349 | 257.427 | 189.913 | 164.233 |
| Gasoline, unleaded premium 5/ | 298.215 | 294.709 | 287.258 | 209.894 | 183.356 |
| Medical care | 334.441 | 345.184 | 351.763 | 378.876 | 400.408 |
| Education and communication 7/ | 137.276 | 139.423 | 143.488 | 147.869 | 149.785 |
| Educ. and comm. commodities 4/ | 92.119 | 89.320 | 87.708 | 85.036 | 78.951 |
| Educ. and comm. services 4/ | 111.304 | 113.495 | 117.388 | 121.705 | 124.149 |
| Recreation 7/ | 113.961 | 116.818 | 119.586 | 121.840 | 124.872 |
| Other goods and services | 440.428 | 447.178 | 457.958 | 478.634 | 484.820 |
| Other goods 4/ | 109.548 | 109.832 | 113.828 | 118.403 | 119.086 |
| Other personal services 4/ | 108.212 | 111.359 | 112.767 | 118.393 | 120.870 |
| Commodity and service group | | | | | |
| All items | 249.474 | 253.924 | 257.589 | 260.165 | 265.283 |
| Commodities | 198.400 | 200.602 | 201.057 | 197.792 | 197.263 |
| Commodities less food & bev. | 168.726 | 167.714 | 165.695 | 154.989 | 151.538 |
| Nondurables less food & bev. | 215.562 | 213.540 | 210.020 | 189.890 | 185.364 |
| Durables | 117.277 | 117.371 | 116.992 | 116.371 | 114.021 |
| Services | 294.510 | 300.849 | 307.192 | 314.368 | 324.441 |

Continued on next page.

**Table 14.06-- CONSUMER PRICE INDEX FOR ALL URBAN CONSUMERS (CPI-U),
BY EXPENDITURE CATEGORY AND COMMODITY AND SERVICE GROUP,
FOR HONOLULU: ANNUAL AVERAGE, 2012 TO 2016 -- Con.**

| Group | 2012 | 2013 | 2014 | 2015 | 2016 |
|-------------------------------------|---------|---------|---------|---------|---------|
| Special aggregate indexes | | | | | |
| All items less shelter | 236.406 | 240.466 | 244.165 | 243.833 | 246.306 |
| All items less medical care | 244.988 | 249.131 | 252.635 | 253.811 | 258.001 |
| All items less energy | 245.982 | 251.027 | 255.021 | 262.680 | 269.892 |
| Energy | 325.785 | 323.520 | 324.528 | 245.410 | 217.256 |
| All items less food and energy | 247.841 | 252.469 | 256.238 | 263.255 | 271.023 |
| Commodities less food | 171.385 | 171.027 | 169.051 | 158.807 | 155.419 |
| Nondurables less food | 216.645 | 215.900 | 212.561 | 193.935 | 189.629 |
| Nondurables | 230.568 | 233.677 | 234.514 | 230.105 | 230.373 |
| Services less rent of shelter 1/ | 312.316 | 320.021 | 330.028 | 335.192 | 343.671 |
| Services less medical care services | 290.148 | 295.971 | 302.124 | 307.041 | 316.432 |

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 18, 2017.

Table 14.07-- RELATIVE IMPORTANCE OF COMPONENTS IN THE CONSUMER PRICE INDEX, ALL URBAN CONSUMERS (CPI-U), FOR HONOLULU AND THE UNITED STATES: DECEMBER 2015 AND 2016

[Percent of all items. Based on the 2013-2014 weights in the Consumer Expenditure Survey]

| Group | 2015 CPI-U | | 2016 CPI-U | |
|---|------------|---------|------------|---------|
| | Honolulu | U.S. | Honolulu | U.S. |
| Relative importance of area | 0.355 | 100.000 | 0.354 | 100.000 |
| EXPENDITURE CATEGORY | | | | |
| All items | 100.000 | 100.000 | 100.000 | 100.000 |
| Food and beverages | 20.949 | 14.973 | 20.371 | 14.649 |
| Food | 20.002 | 14.015 | 19.452 | 13.698 |
| Food at home | 10.116 | 8.230 | 9.620 | 7.899 |
| Cereals and bakery products | (NA) | 1.098 | (NA) | 1.068 |
| Meats, poultry, fish, and eggs | (NA) | 1.876 | (NA) | 1.740 |
| Meats, poultry, and fish | (NA) | 1.723 | (NA) | 1.640 |
| Dairy and related products | (NA) | 0.846 | (NA) | 0.818 |
| Fruits and vegetables | (NA) | 1.399 | (NA) | 1.338 |
| Other food at home | (NA) | 2.033 | (NA) | 1.986 |
| Food away from home | 9.886 | 5.785 | 9.832 | 5.799 |
| Alcoholic beverages | 0.947 | 0.958 | 0.919 | 0.952 |
| Housing | 42.290 | 42.235 | 43.006 | 42.634 |
| Shelter | 35.506 | 33.150 | 36.291 | 33.652 |
| Rent of primary residence | 8.178 | 7.733 | 8.261 | 7.875 |
| Tenants' and household insurance | (NA) | 0.350 | (NA) | 0.343 |
| Owners' equivalent rent of residences | 26.487 | 24.227 | 27.130 | 24.583 |
| Owners' equivalent rent of primary res. | 25.988 | 23.116 | 26.619 | 23.457 |
| Lodging away from home | (NA) | 0.841 | (NA) | 0.851 |
| Fuels and utilities | 3.892 | 4.925 | 3.924 | 4.954 |
| Household energy | 2.342 | 3.768 | 2.307 | 3.782 |
| Fuel oil and other fuels | (NA) | 0.180 | (NA) | 0.190 |
| Fuel oil | (NA) | 0.093 | (NA) | 0.102 |
| Propane, kerosene, and firewood | (NA) | 0.087 | (NA) | 0.088 |
| Energy services 1/ | 2.263 | 3.588 | 2.227 | 3.592 |
| Electricity | 2.125 | 2.833 | 2.098 | 2.794 |
| Utility (piped) gas service | 0.139 | 0.755 | 0.129 | 0.798 |
| Water & sewer & trash collection serv. | (NA) | 1.157 | (NA) | 1.172 |
| Household furnishings and operations | 2.893 | 4.160 | 2.791 | 4.029 |

Continued on next page.

**Table 14.07-- RELATIVE IMPORTANCE OF COMPONENTS IN THE
CONSUMER PRICE INDEX, ALL URBAN CONSUMERS (CPI-U),
FOR HONOLULU AND THE UNITED STATES:
DECEMBER 2015 AND 2016 -- Con.**

| Group | 2015 CPI-U | | 2016 CPI-U | |
|-------------------------------------|------------|---------|------------|---------|
| | Honolulu | U.S. | Honolulu | U.S. |
| EXPENDITURE CATEGORY -- Con. | | | | |
| Apparel | 3.975 | 3.101 | 4.051 | 3.034 |
| Men's and boys' apparel | (NA) | 0.789 | (NA) | 0.750 |
| Women's and girls' apparel | (NA) | 1.250 | (NA) | 1.228 |
| Footwear | (NA) | 0.696 | (NA) | 0.691 |
| Infants' and toddlers' apparel | (NA) | 0.157 | (NA) | 0.150 |
| Jewelry and watches | (NA) | 0.209 | (NA) | 0.215 |
| Transportation | 12.362 | 15.259 | 12.379 | 15.318 |
| Private transportation | 10.659 | 14.125 | 10.627 | 14.232 |
| Motor fuel | 2.040 | 3.048 | 2.199 | 3.257 |
| Gasoline (all types) | 2.039 | 3.000 | 2.198 | 3.208 |
| Public transportation 2/ | 1.703 | 1.135 | 1.752 | 1.086 |
| Medical care | 7.480 | 8.375 | 7.474 | 8.539 |
| Medical care commodities 3/ | 1.627 | 1.806 | 1.774 | 1.852 |
| Medical care services 3/ | 5.853 | 6.569 | 5.700 | 6.687 |
| Recreation | 4.546 | 5.734 | 4.486 | 5.663 |
| Education and communication | 5.356 | 7.145 | 5.214 | 6.984 |
| Other goods and services | 3.041 | 3.177 | 3.019 | 3.178 |
| Personal care | (NA) | 2.522 | (NA) | 2.513 |
| COMMODITY AND SERVICE GROUP 4/ | | | | |
| All items | 100.000 | 100.000 | 100.000 | 100.000 |
| Commodities | 38.968 | 36.856 | 38.403 | 36.246 |
| Commodities less food and beverages | 18.019 | 21.883 | 18.032 | 21.596 |
| Nondurables less food and beverages | 11.724 | 12.236 | 11.999 | 12.336 |
| Durables | 6.295 | 9.647 | 6.033 | 9.260 |
| Services | 61.032 | 63.144 | 61.597 | 63.754 |

Continued on next page.

**Table 14.07-- RELATIVE IMPORTANCE OF COMPONENTS IN THE
CONSUMER PRICE INDEX, ALL URBAN CONSUMERS (CPI-U),
FOR HONOLULU AND THE UNITED STATES:
DECEMBER 2015 AND 2016 -- Con.**

| Group | 2015 CPI-U | | 2016 CPI-U | |
|-------------------------------------|------------|--------|------------|--------|
| | Honolulu | U.S. | Honolulu | U.S. |
| SPECIAL AGGREGATE INDEXES 4/ | | | | |
| All items less shelter | 64.494 | 66.850 | 63.709 | 66.348 |
| All items less medical care | 92.520 | 91.625 | 92.526 | 91.461 |
| All items less energy | 95.618 | 93.184 | 95.494 | 92.961 |
| All items less food and energy | 75.616 | 79.169 | 76.042 | 79.263 |
| Energy | 4.382 | 6.816 | 4.506 | 7.039 |
| Commodities less food | 18.966 | 22.841 | 18.951 | 22.548 |
| Nondurables less food | 12.671 | 13.194 | 12.918 | 13.288 |
| Nondurables | 32.673 | 27.209 | 32.369 | 26.986 |
| Services less rent of shelter | 25.738 | 30.343 | 25.514 | 30.445 |
| Rent of shelter 5/ | 35.294 | 32.801 | 36.083 | 33.309 |
| Services less medical care services | 55.179 | 56.575 | 55.897 | 57.067 |

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 <<http://www.bls.gov/cpi/home.htm>> accessed January 18, 2017.

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: 2015

[Data based on sample. Rank of 1 indicates highest percentage. Areas sorted in order of highest rank in 2015]

| Area | Amount (dollars) | Percentage of household income in past 12 months | |
|----------------------|---------------------|---|----------|
| | | Number | Rank |
| United States | 959 | 30.3 | (X) |
| Puerto Rico | 433 | 34.0 | (X) |
| Florida | 1,046 | 33.6 | 1 |
| Hawaii | 1,500 | 33.5 | 2 |
| California | 1,311 | 33.0 | 3 |
| Louisiana | 800 | 32.3 | 4 |
| New Jersey | 1,214 | 31.9 | 5 |
| New York | 1,173 | 31.9 | 5 |
| Connecticut | 1,108 | 31.4 | 7 |
| Mississippi | 724 | 31.4 | 7 |
| Oregon | 943 | 30.8 | 9 |
| Massachusetts | 1,164 | 30.6 | 10 |
| Maryland | 1,278 | 30.3 | 11 |
| New Mexico | 783 | 30.3 | 11 |
| Colorado | 1,111 | 30.2 | 13 |
| Vermont | 923 | 30.2 | 13 |
| Georgia | 909 | 30.0 | 15 |
| Michigan | 803 | 30.0 | 15 |
| Alabama | 729 | 29.9 | 17 |
| Nevada | 980 | 29.8 | 18 |
| South Carolina | 819 | 29.8 | 18 |
| Virginia | 1,144 | 29.8 | 18 |
| Illinois | 936 | 29.7 | 21 |
| Maine | 792 | 29.7 | 21 |
| North Carolina | 827 | 29.7 | 21 |
| Pennsylvania | 868 | 29.6 | 24 |
| Arizona | 933 | 29.5 | 25 |
| Rhode Island | 938 | 29.4 | 26 |
| Delaware | 1,049 | 29.3 | 27 |
| District of Columbia | 1,417 | 29.3 | 27 |

Continued on next page.

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: 2015 -- Con.

| Area | Amount (dollars) | Percentage of household income in past 12 months | |
|---------------|---------------------|---|------|
| | | Number | Rank |
| Tennessee | 785 | 29.3 | 27 |
| Washington | 1,080 | 29.2 | 30 |
| Indiana | 758 | 29.1 | 31 |
| Alaska | 1,163 | 29.0 | 32 |
| Arkansas | 695 | 28.9 | 33 |
| Texas | 932 | 28.9 | 33 |
| West Virginia | 675 | 28.9 | 33 |
| New Hampshire | 1,017 | 28.7 | 36 |
| Minnesota | 888 | 28.6 | 37 |
| Ohio | 746 | 28.6 | 37 |
| Idaho | 770 | 28.5 | 39 |
| Missouri | 763 | 28.3 | 40 |
| Wisconsin | 792 | 28.2 | 41 |
| Kentucky | 702 | 28.1 | 42 |
| Montana | 763 | 28.0 | 43 |
| Utah | 925 | 27.7 | 44 |
| Oklahoma | 759 | 27.6 | 45 |
| Iowa | 718 | 27.3 | 46 |
| Kansas | 782 | 27.0 | 47 |
| Nebraska | 750 | 26.9 | 48 |
| South Dakota | 675 | 25.7 | 49 |
| Wyoming | 815 | 25.2 | 50 |
| North Dakota | 775 | 24.7 | 51 |

X Not applicable.

Source: U.S. Census Bureau, 2015 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 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 July 29, 2017 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: 2013 TO 2015

[Data based on a sample]

| Category | Hawaii | United States |
|---|---------|---------------|
| Specified owner-occupied | | |
| 2013 | 252,999 | 73,843,861 |
| 2014 | 255,375 | 73,991,995 |
| 2015 | 252,435 | 74,506,512 |
| Specified owner-occupied with a mortgage | | |
| 2013: Number | 171,544 | 47,498,648 |
| Percent | 67.8 | 64.3 |
| 2014: Number | 169,261 | 47,174,889 |
| Percent | 66.3 | 63.8 |
| 2015: Number | 166,018 | 47,140,736 |
| Percent | 65.8 | 63.3 |
| Specified owner-occupied without a mortgage | | |
| 2013: Number | 81,455 | 26,345,213 |
| Percent | 32.2 | 35.7 |
| 2014: Number | 86,114 | 26,817,106 |
| Percent | 33.7 | 36.2 |
| 2015: Number | 86,417 | 27,365,776 |
| Percent | 34.2 | 36.7 |
| Median selected monthly owner costs (in dollars) | | |
| With a mortgage: 2013 | 2,220 | 1,436 |
| 2014 | 2,173 | 1,454 |
| 2015 | 2,248 | 1,477 |
| Without a mortgage: 2013 | 484 | 439 |
| 2014 | 488 | 459 |
| 2015 | 490 | 468 |
| Median selected monthly owner costs as a percentage of household income | | |
| With a mortgage: 2013 | 27.6 | 22.8 |
| 2014 | 26.7 | 22.5 |
| 2015 | 25.7 | 22.0 |
| Without a mortgage: 2013 | (1) | 11.8 |
| 2014 | (1) | 12.0 |
| 2015 | (1) | 11.7 |

1/ Either no sample observations or too few sample observations were available to compute an estimate, or a ratio of medians cannot be calculated because one or both of the median estimates falls in the lowest interval or upper interval of an open-ended distribution.

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 July 29, 2017; 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: 2013 TO 2015

[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 | | |
| | 2013 | 2014 | 2015 | 2013 | 2014 | 2015 | 2013 | 2014 | 2015 | 2013 | 2014 | 2015 |
| United States | 1,436 | 1,454 | 1,477 | 439 | 459 | 468 | 22.8 | 22.5 | 22.0 | 11.8 | 12.0 | 11.7 |
| Alabama | 1,093 | 1,119 | 1,124 | 332 | 344 | 345 | 20.7 | 21.0 | 19.8 | 10.6 | 10.9 | 10.6 |
| Alaska | 1,746 | 1,797 | 1,817 | 552 | 545 | 541 | 22.1 | 21.9 | 22.3 | 10.3 | 10.2 | (1/) |
| Arizona | 1,277 | 1,273 | 1,319 | 368 | 368 | 385 | 22.6 | 21.7 | 21.7 | 10.5 | 10.2 | (1/) |
| Arkansas | 979 | 995 | 1,029 | 313 | 331 | 340 | 19.9 | 19.7 | 19.6 | (1/) | 10.7 | 10.2 |
| California | 2,059 | 2,068 | 2,123 | 486 | 498 | 524 | 26.8 | 26.2 | 25.9 | 11.1 | 11.0 | 11.0 |
| Colorado | 1,516 | 1,536 | 1,558 | 407 | 416 | 427 | 22.4 | 22.1 | 21.4 | (1/) | (1/) | (1/) |
| Connecticut | 1,986 | 1,994 | 2,020 | 792 | 835 | 845 | 24.3 | 23.9 | 23.6 | 16.3 | 15.8 | 15.5 |
| Delaware | 1,504 | 1,460 | 1,506 | 422 | 439 | 453 | 22.4 | 22.3 | 22.0 | 11.1 | 11.3 | 10.8 |
| Dist. Of Col. | 2,236 | 2,194 | 2,312 | 636 | 637 | 613 | 22.1 | 21.0 | 21.2 | 11.4 | 11.9 | (1/) |
| Florida | 1,368 | 1,364 | 1,394 | 438 | 454 | 470 | 25.0 | 24.4 | 23.8 | 12.6 | 12.6 | 12.5 |
| Georgia | 1,288 | 1,285 | 1,299 | 372 | 391 | 400 | 22.2 | 21.6 | 21.1 | 10.8 | 11.1 | 10.8 |
| Hawaii | 2,220 | 2,173 | 2,248 | 484 | 488 | 490 | 27.6 | 26.7 | 25.7 | (1/) | (1/) | (1/) |
| Idaho | 1,142 | 1,138 | 1,170 | 335 | 341 | 347 | 22.6 | 21.6 | 21.6 | (1/) | (1/) | (1/) |
| Illinois | 1,565 | 1,584 | 1,588 | 553 | 579 | 589 | 23.1 | 22.6 | 22.1 | 13.0 | 13.2 | 13.0 |
| Indiana | 1,062 | 1,082 | 1,089 | 363 | 386 | 386 | 19.6 | 19.5 | 18.9 | 10.6 | 10.8 | 10.2 |
| Iowa | 1,118 | 1,173 | 1,170 | 424 | 448 | 443 | 19.2 | 19.4 | 19.0 | 10.9 | 11.7 | 11.4 |
| Kansas | 1,241 | 1,256 | 1,279 | 437 | 466 | 467 | 20.1 | 20.2 | 19.8 | 11.5 | 11.8 | 11.3 |
| Kentucky | 1,074 | 1,100 | 1,089 | 328 | 349 | 352 | 20.2 | 20.3 | 19.7 | 10.1 | 11.0 | 10.6 |
| Louisiana | 1,166 | 1,178 | 1,219 | 299 | 318 | 323 | 20.3 | 20.4 | 19.9 | (1/) | (1/) | (1/) |
| Maine | 1,268 | 1,322 | 1,340 | 460 | 491 | 479 | 22.9 | 23.0 | 22.4 | 13.7 | 14.1 | 13.2 |
| Maryland | 1,867 | 1,903 | 1,909 | 556 | 576 | 591 | 23.2 | 22.9 | 22.5 | 11.2 | 11.2 | 10.9 |
| Massachusetts | 1,976 | 2,014 | 2,048 | 684 | 716 | 760 | 23.8 | 23.3 | 23.4 | 14.3 | 14.3 | 14.3 |
| Michigan | 1,207 | 1,217 | 1,220 | 445 | 462 | 464 | 21.3 | 20.9 | 20.0 | 12.8 | 12.9 | 12.6 |
| Minnesota | 1,438 | 1,454 | 1,459 | 464 | 493 | 489 | 21.5 | 21.0 | 20.3 | 11.1 | 11.3 | 10.9 |
| Mississippi | 1,021 | 1,079 | 1,083 | 318 | 349 | 357 | 21.8 | 21.9 | 21.4 | 11.4 | 12.0 | 11.3 |
| Missouri | 1,162 | 1,187 | 1,200 | 385 | 407 | 418 | 20.8 | 20.7 | 19.9 | 11.5 | 11.7 | 11.3 |
| Montana | 1,259 | 1,251 | 1,316 | 380 | 381 | 391 | 22.4 | 22.8 | 22.5 | 10.7 | 10.9 | 10.7 |
| Nebraska | 1,226 | 1,261 | 1,269 | 465 | 472 | 477 | 20.3 | 20.3 | 19.7 | 11.7 | 12.1 | 11.4 |
| Nevada | 1,361 | 1,331 | 1,396 | 395 | 397 | 400 | 24.0 | 23.1 | 22.6 | (1/) | (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: 2013 TO 2015 -- 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 | | |
| | 2013 | 2014 | 2015 | 2013 | 2014 | 2015 | 2013 | 2014 | 2015 | 2013 | 2014 | 2015 |
| New Hampshire | 1,778 | 1,828 | 1,828 | 725 | 745 | 767 | 24.2 | 23.9 | 23.0 | 16.4 | 16.1 | 15.5 |
| New Jersey | 2,296 | 2,313 | 2,349 | 945 | 959 | 988 | 26.4 | 25.7 | 25.7 | 17.6 | 17.3 | 17.6 |
| New Mexico | 1,193 | 1,195 | 1,214 | 318 | 324 | 340 | 22.5 | 22.4 | 21.9 | (1/) | (1/) | (1/) |
| New York | 1,956 | 1,982 | 2,009 | 679 | 709 | 719 | 24.6 | 24.5 | 24.1 | 14.5 | 14.6 | 14.0 |
| North Carolina | 1,205 | 1,224 | 1,234 | 358 | 373 | 384 | 21.6 | 21.5 | 21.0 | 11.3 | 11.8 | 11.4 |
| North Dakota | 1,207 | 1,267 | 1,297 | 420 | 433 | 431 | 18.5 | 18.1 | 18.2 | (1/) | (1/) | (1/) |
| Ohio | 1,209 | 1,211 | 1,228 | 425 | 448 | 456 | 21.0 | 20.5 | 19.9 | 11.9 | 12.3 | 12.0 |
| Oklahoma | 1,094 | 1,143 | 1,159 | 353 | 375 | 380 | 20.1 | 20.0 | 19.9 | 10.4 | 10.6 | 10.2 |
| Oregon | 1,502 | 1,500 | 1,534 | 455 | 466 | 485 | 24.2 | 23.8 | 23.3 | 12.4 | 12.2 | 11.9 |
| Pennsylvania | 1,373 | 1,400 | 1,414 | 481 | 502 | 513 | 21.9 | 21.8 | 21.3 | 13.1 | 13.2 | 12.9 |
| Rhode Island | 1,751 | 1,745 | 1,730 | 655 | 674 | 708 | 24.5 | 24.5 | 23.5 | 14.8 | 15.4 | 14.6 |
| South Carolina | 1,144 | 1,164 | 1,168 | 333 | 352 | 361 | 21.7 | 21.6 | 20.9 | 10.8 | 11.0 | 10.7 |
| South Dakota | 1,150 | 1,201 | 1,225 | 420 | 437 | 449 | 20.5 | 20.2 | 20.0 | 10.7 | 11.1 | 10.3 |
| Tennessee | 1,138 | 1,167 | 1,167 | 347 | 361 | 365 | 21.8 | 21.8 | 20.9 | 10.4 | 10.8 | 10.2 |
| Texas | 1,375 | 1,419 | 1,453 | 434 | 467 | 480 | 21.3 | 21.4 | 21.1 | 11.2 | 11.7 | 11.4 |
| Utah | 1,377 | 1,393 | 1,408 | 384 | 384 | 391 | 22.6 | 22.2 | 21.2 | (1/) | (1/) | (1/) |
| Vermont | 1,482 | 1,504 | 1,530 | 629 | 634 | 653 | 24.3 | 24.4 | 23.9 | 16.9 | 16.8 | 15.2 |
| Virginia | 1,645 | 1,664 | 1,692 | 414 | 435 | 457 | 22.5 | 22.1 | 22.1 | 10.3 | 10.3 | 10.3 |
| Washington | 1,667 | 1,673 | 1,704 | 498 | 507 | 517 | 24.0 | 23.4 | 22.7 | 11.6 | 11.4 | 11.2 |
| West Virginia | 939 | 945 | 972 | 288 | 292 | 300 | 19.5 | 18.8 | 18.3 | (1/) | (1/) | (1/) |
| Wisconsin | 1,352 | 1,373 | 1,359 | 516 | 535 | 530 | 22.4 | 22.1 | 21.1 | 13.4 | 13.5 | 12.9 |
| Wyoming | 1,330 | 1,311 | 1,364 | 376 | 384 | 396 | 20.9 | 20.4 | 20.1 | (1/) | (1/) | (1/) |
| Puerto Rico | 877 | 883 | 864 | 155 | 163 | 149 | 29.0 | 29.0 | 27.7 | 10.6 | 11.1 | (1/) |

1/ Either no sample observations or too few sample observations were available to compute an estimate, or a ratio of medians cannot be calculated because one or both of the median estimates falls in the lowest interval or upper interval of an open-ended distribution.

Source: U.S. Census Bureau, 2 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) accessed July 29, 2017.

Table 14.11-- SINGLE-FAMILY HOME PRICE APPRECIATION FOR THE UNITED STATES, THE 50 STATES, AND THE DISTRICT OF COLUMBIA: 1991 TO 2016

[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/ | 6.15 | (X) | 33.05 | 138.08 |
| Oregon | 10.98 | 1 | 56.09 | 283.87 |
| Colorado | 10.62 | 2 | 58.93 | 305.16 |
| Florida | 10.40 | 3 | 60.14 | 171.74 |
| Washington | 10.19 | 4 | 51.82 | 209.13 |
| Nevada | 8.95 | 5 | 92.03 | 114.86 |
| Utah | 8.44 | 6 | 46.56 | 250.68 |
| Montana | 8.37 | 7 | 28.70 | 268.01 |
| Texas | 7.69 | 8 | 40.67 | 163.29 |
| Idaho | 7.41 | 9 | 48.44 | 173.73 |
| Arizona | 7.36 | 10 | 65.84 | 179.17 |
| Maine | 7.14 | 11 | 16.44 | 132.51 |
| North Carolina | 7.08 | 12 | 25.30 | 121.14 |
| Tennessee | 6.94 | 13 | 30.68 | 135.04 |
| South Carolina | 6.90 | 14 | 28.75 | 125.52 |
| Georgia | 6.82 | 15 | 43.28 | 115.41 |
| California | 6.64 | 16 | 63.89 | 151.01 |
| Michigan | 6.33 | 17 | 42.40 | 102.85 |
| Massachusetts | 6.26 | 18 | 25.41 | 162.22 |
| Kansas | 6.26 | 19 | 22.11 | 127.66 |
| Missouri | 6.17 | 20 | 23.90 | 119.29 |
| Wisconsin | 5.98 | 21 | 20.02 | 136.63 |
| Rhode Island | 5.84 | 22 | 20.65 | 109.28 |
| Illinois | 5.82 | 23 | 19.42 | 96.13 |
| Alabama | 5.80 | 24 | 19.74 | 106.62 |
| Minnesota | 5.67 | 25 | 31.31 | 160.33 |
| Ohio | 5.62 | 26 | 23.93 | 84.46 |
| Indiana | 5.51 | 27 | 20.23 | 89.53 |
| Maryland | 5.28 | 28 | 19.48 | 139.92 |
| South Dakota | 4.65 | 29 | 21.47 | 170.50 |
| New Mexico | 4.59 | 30 | 12.59 | 126.05 |
| Louisiana | 4.59 | 31 | 21.33 | 170.78 |

Continued on next page.

Table 14.11-- SINGLE-FAMILY HOME PRICE APPRECIATION FOR THE UNITED STATES, THE 50 STATES, AND THE DISTRICT OF COLUMBIA: 1991 TO 2016 -- Con.

| State | One-year (percent) | Rank 1/ | Five-year (percent) | Since 1991, 1st quarter (percent) |
|----------------------|--------------------|-----------|---------------------|-----------------------------------|
| New Hampshire | 4.42 | 32 | 18.64 | 126.26 |
| New York | 4.32 | 33 | 13.94 | 124.90 |
| Iowa | 4.27 | 34 | 19.23 | 129.66 |
| Hawaii | 4.20 | 35 | 41.74 | 137.24 |
| Mississippi | 4.09 | 36 | 12.61 | 99.54 |
| District of Columbia | 4.06 | 37 | 44.25 | 393.13 |
| Nebraska | 4.00 | 38 | 23.45 | 134.80 |
| Pennsylvania | 4.00 | 39 | 15.83 | 109.95 |
| Virginia | 3.84 | 40 | 19.23 | 143.47 |
| Kentucky | 3.77 | 41 | 20.01 | 118.85 |
| New Jersey | 3.10 | 42 | 11.35 | 127.06 |
| Arkansas | 3.08 | 43 | 14.45 | 105.34 |
| Vermont | 1.90 | 44 | 5.82 | 119.22 |
| North Dakota | 1.56 | 45 | 32.62 | 209.53 |
| Oklahoma | 1.05 | 46 | 18.65 | 127.25 |
| Connecticut | 0.99 | 47 | 3.27 | 67.70 |
| Alaska | -0.59 | 48 | 10.86 | 147.91 |
| Delaware | -0.61 | 49 | 9.68 | 92.41 |
| Wyoming | -1.59 | 50 | 16.18 | 222.71 |
| West Virginia | -3.39 | 51 | 13.54 | 109.93 |

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 1.5 Percent in Fourth Quarter" pp. 17-18 (February 23, 2017) <https://www.fhfa.gov/AboutUs/Reports/ReportDocuments/2016Q4_HPI.pdf> accessed March 20, 2017.

**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 | 185.3 |
| Goods and services | 29,388 | 38.7 | 21,283 | 52 | 138.1 |
| Consumables | 20,850 | 27.4 | 14,212 | 35 | 146.7 |
| Transportation | 6,150 | 8.1 | 5,040 | 12 | 122.0 |
| Health services | 2,388 | 3.1 | 2,031 | 5 | 117.6 |
| Rent, utilities, insurance | 46,686 | 61.4 | 21,929 | 53 | 212.9 |
| Income and payroll taxes | 17,917 | 23.6 | 15,793 | 39 | 113.4 |
| Miscellaneous 1/ | -17,991 | -23.7 | -17,991 | -44 | 100.0 |
| Exhibit: monthly rent 2/ | 3,442 | 54.3 | 1,551 | 45 | 221.9 |
| Total, earnings level #2 | 114,519 | 100.0 | 76,000 | 100 | 150.7 |
| Goods and services | 42,682 | 37.3 | 31,044 | 41 | 137.5 |
| Consumables | 29,031 | 25.4 | 19,722 | 26 | 147.2 |
| Transportation | 10,851 | 9.5 | 8,931 | 12 | 121.5 |
| Health services | 2,800 | 2.4 | 2,391 | 3 | 117.1 |
| Rent, utilities, insurance | 46,686 | 40.8 | 21,929 | 29 | 212.9 |
| Income and payroll taxes | 17,917 | 15.6 | 15,793 | 21 | 113.4 |
| Miscellaneous | 7,234 | 6.3 | 7,234 | 10 | 100.0 |
| Exhibit: monthly rent 2/ | 3,442 | 36.1 | 1,551 | 24 | 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: 2014 TO 2017**

[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 metric. The metrics are in 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 2017 category weights]

| Component | 2014 | | | 2015 | | | 2016 | | | 2017 | | |
|-------------------------|-----------------|-------|------|-----------------|-------|-------|-----------------|-------|------|-----------------|-------|------|
| | Category wt. 1/ | Score | Rank | Category wt. 1/ | Score | Rank | Category wt. 1/ | Score | Rank | Category wt. 1/ | Score | Rank |
| Overall | 2,500 | 938 | 49 | 2,500 | 945 | 50 | 2,500 | 1,009 | 49 | 2,525 | 998 | 49 |
| Workforce | 300 | 87 | 49 | 400 | 162 | 46 | 400 | 165 | 48 | 450 | 188 | 48 |
| Infrastructure 2/ | 350 | 107 | 43 | 350 | 94 | 49 | 350 | 116 | 46 | 400 | 152 | 40 |
| Cost of doing business | 450 | 49 | 49 | 350 | 45 | 50 | 350 | 45 | 50 | 350 | 49 | 50 |
| Economy | 375 | 189 | 34 | 340 | 123 | 3/ 42 | 340 | 181 | 25 | 300 | 135 | 35 |
| Quality of life | 300 | 277 | 1 | 325 | 310 | 1 | 325 | 295 | 1 | 300 | 268 | 1 |
| Technology & innovation | 300 | 110 | 33 | 250 | 93 | 3/ 36 | 250 | 90 | 38 | 225 | 64 | 45 |
| Education | 150 | 50 | 42 | 200 | 67 | 45 | 200 | 74 | 43 | 200 | 90 | 30 |
| Business friendliness | 200 | 58 | 44 | 160 | 35 | 44 | 160 | 27 | 46 | 150 | 29 | 47 |
| Access to capital | 25 | 9 | 33 | 50 | 14 | 37 | 50 | 14 | 37 | 100 | 22 | 41 |
| Cost of living | 50 | 2 | 49 | 75 | 2 | 50 | 75 | 2 | 50 | 50 | 1 | 50 |

1/ Weighting reevaluated for each study. See "America's Top States for Business: Our methodology and sources" <<http://www.cnbc.com/id/101723185>> accessed June 27, 2014; 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; and 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.

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

3/ Tied with Maine.

Source: CNBC "America's Top Ten States for Business: 2014" <<http://www.cnbc.com/id/101758236>> and "Hawaii" <<http://www.cnbc.com/id/101693434>> accessed June 27, 2014; 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.

Table 14.14-- AVERAGE ANNUAL COST OF FULL-TIME CHILD CARE, BY PROVIDER, BY STATE AND THE DISTRICT OF COLUMBIA: 2015

[Data collected during Child Care Aware of America's February 2016 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 | 5,644 | 4,877 | 5,314 | 4,807 | 4,941 | 4,767 |
| Alaska | 11,700 | 10,764 | 6,984 | 10,101 | 9,645 | 5,648 |
| Arizona | 9,993 | 7,845 | 3,707 | 6,883 | 6,524 | 3,134 |
| Arkansas | 6,074 | 5,057 | (NA) | 5,223 | 4,754 | (NA) |
| California | 13,343 | 9,117 | (NA) | 8,472 | 7,859 | (NA) |
| Colorado 2/ | 14,950 | 11,089 | 4,707 | 9,620 | 8,626 | 3,621 |
| Connecticut | 14,079 | 11,669 | 2,756 | 10,280 | 9,798 | (NA) |
| Delaware | 10,396 | 8,308 | 5,093 | 7,347 | 6,539 | 4,117 |
| District of Columbia | 22,658 | 17,863 | 13,639 | 16,025 | 13,684 | 8,467 |
| Florida | 8,719 | 6,897 | 4,057 | 7,642 | 6,470 | 4,247 |
| Georgia | 7,597 | 6,851 | 4,451 | 6,136 | 5,565 | 3,786 |
| Hawaii | 13,584 | 11,232 | 5,805 | 7,836 | 7,680 | 5,832 |
| Idaho | 7,385 | 6,527 | 4,598 | 6,563 | 6,061 | 4,407 |
| Illinois | 13,176 | 9,758 | 4,618 | 8,157 | 7,575 | 3,740 |
| Indiana | 8,929 | 6,768 | 4,725 | 6,833 | 5,571 | 3,061 |
| Iowa | 10,015 | 8,433 | 3,053 | 6,944 | 6,593 | 2,395 |
| Kansas | 11,482 | 8,065 | 3,226 | 6,830 | 6,005 | 2,485 |
| Kentucky | 7,800 | 7,020 | 3,510 | 6,500 | 5,720 | 3,315 |
| Louisiana | 5,754 | 4,920 | 2,340 | 4,849 | 4,673 | 2,029 |
| Maine | 9,677 | 8,455 | 4,516 | 6,989 | 6,719 | 3,830 |
| Maryland | 14,726 | 10,039 | 4,423 | 10,149 | 8,338 | 3,784 |
| Massachusetts | 17,082 | 12,796 | 3,418 | 10,679 | 10,012 | 3,960 |
| Michigan | 10,178 | 8,238 | 4,189 | 6,986 | 6,730 | 4,596 |
| Minnesota | 14,826 | 11,420 | (NA) | 8,033 | 7,295 | (NA) |
| Mississippi | 5,045 | 4,439 | 1,889 | 3,394 | 2,674 | 851 |
| Missouri | 9,100 | 6,396 | 3,861 | 5,720 | 4,992 | 3,042 |
| Montana | 9,383 | 8,299 | 6,099 | 7,436 | 7,017 | 5,252 |
| Nebraska | 9,043 | 7,935 | (NA) | 7,104 | 6,551 | (NA) |
| Nevada | 10,317 | 8,768 | 5,955 | 8,572 | 8,013 | 4,711 |
| New Hampshire | 12,399 | 10,259 | 3,283 | 9,193 | 8,479 | 2,845 |
| New Jersey | 11,548 | 9,557 | 3,479 | 8,709 | 7,799 | 3,272 |
| New Mexico | 7,802 | 6,988 | 4,640 | 6,241 | 5,863 | 3,726 |
| New York | 14,144 | 11,700 | 8,346 | 10,556 | 9,776 | 7,215 |

Continued on next page.

**Table 14.14-- AVERAGE ANNUAL COST OF FULL-TIME CHILD CARE,
BY PROVIDER, BY STATE AND THE DISTRICT OF COLUMBIA:
2015 -- 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 | 8,431 | 7,630 | (NA) | 7,107 | 6,799 | (NA) |
| Ohio | 8,985 | 7,320 | 4,045 | 6,981 | 6,185 | 3,767 |
| Oklahoma | 6,572 | 5,280 | 4,265 | 5,619 | 5,143 | 4,647 |
| Oregon | 11,964 | 9,108 | 3,636 | 7,836 | 7,248 | 4,221 |
| Pennsylvania | 11,978 | 9,119 | 5,699 | 7,966 | 7,148 | 5,354 |
| Rhode Island | 12,882 | 10,052 | 5,380 | 10,052 | 9,258 | 4,497 |
| South Carolina | 6,483 | 4,657 | 2,260 | 4,590 | 4,050 | 1,848 |
| South Dakota | 6,143 | 5,810 | 4,310 | 4,852 | 4,810 | 3,670 |
| Tennessee | 8,378 | 7,113 | 2,508 | 6,115 | 5,508 | 2,540 |
| Texas | 9,207 | 7,813 | (NA) | 6,698 | 5,814 | (NA) |
| Utah | 9,183 | 7,167 | 4,946 | 6,950 | 6,143 | 4,333 |
| Vermont | 11,513 | 10,440 | 4,061 | 8,205 | 7,749 | 3,446 |
| Virginia | 12,220 | 9,256 | 4,368 | 10,088 | 8,164 | 3,471 |
| Washington | 13,110 | 9,887 | 4,590 | 9,741 | 8,293 | 4,014 |
| West Virginia | 8,580 | 7,540 | (NA) | 7,020 | 6,370 | (NA) |
| Wisconsin | 11,750 | 9,598 | 9,094 | 9,263 | 8,274 | 8,050 |
| Wyoming | 9,110 | 7,841 | 6,510 | 7,800 | 7,280 | 7,280 |

NA Not available or not reported.

1/ Based on a 9-month school year. Study included some 12-month and 12-month & summer data.

2/ Reported an average of regional costs.

Source: Child Care Aware of America, *Parents and the High Cost of Child Care 2016 Appendices*, "Appendix I: 2015 Average Annual Cost of Full-Time Center-Based Child Care by State" (p.4) and "2015 Average Annual Cost of Full-Time Family Child Care by State" (p. 5)

<http://usa.childcareaware.org/wp-content/uploads/2016/12/CCA_High_Cost_Appendices_2016.pdf accessed December 9, 2016.

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 18, 2017

[Over 120,000 retail gasoline self-serve 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 | Premium | Diesel |
|-----------------------------------|--------------|--------------|--------------|--------------|
| Hawaii | 3.050 | 3.172 | 3.295 | 4.027 |
| Hawaii rank | 1 | 1 | 1 | 1 |
| U. S. average | 2.268 | 2.552 | 2.798 | 2.446 |
| Hawaii as percent of U.S. average | 134.5 | 124.3 | 117.8 | 164.6 |
| Alabama | 1.979 | 2.301 | 2.610 | 2.327 |
| Alaska | 2.801 | 2.848 | 2.952 | 2.666 |
| Arizona | 2.233 | 2.440 | 2.639 | 2.404 |
| Arkansas | 2.016 | 2.292 | 2.548 | 2.263 |
| California | 2.908 | 3.050 | 3.159 | 2.902 |
| Colorado | 2.243 | 2.486 | 2.754 | 2.339 |
| Connecticut | 2.424 | 2.709 | 2.908 | 2.636 |
| Delaware | 2.204 | 2.532 | 2.779 | 2.365 |
| District of Columbia | 2.456 | 2.954 | 3.107 | 2.589 |
| Florida | 2.193 | 2.503 | 2.760 | 2.412 |
| Georgia | 2.156 | 2.455 | 2.731 | 2.428 |
| Hawaii | 3.050 | 3.172 | 3.295 | 4.027 |
| Idaho | 2.529 | 2.674 | 2.829 | 2.681 |
| Illinois | 2.323 | 2.676 | 3.059 | 2.397 |
| Indiana | 2.319 | 2.565 | 2.879 | 2.494 |
| Iowa | 2.185 | 2.264 | 2.640 | 2.365 |
| Kansas | 2.106 | 2.329 | 2.553 | 2.331 |
| Kentucky | 2.212 | 2.506 | 2.799 | 2.365 |
| Louisiana | 2.069 | 2.350 | 2.608 | 2.260 |
| Maine | 2.269 | 2.513 | 2.727 | 2.493 |
| Maryland | 2.246 | 2.602 | 2.834 | 2.446 |
| Massachusetts | 2.274 | 2.530 | 2.706 | 2.495 |
| Michigan | 2.425 | 2.701 | 3.033 | 2.516 |
| Minnesota | 2.229 | 2.384 | 2.623 | 2.420 |
| Mississippi | 2.005 | 2.303 | 2.587 | 2.252 |
| Missouri | 2.061 | 2.300 | 2.546 | 2.219 |
| Montana | 2.325 | 2.502 | 2.773 | 2.558 |
| Nebraska | 2.220 | 2.240 | 2.611 | 2.352 |
| Nevada | 2.630 | 2.792 | 2.939 | 2.658 |
| New Hampshire | 2.203 | 2.469 | 2.678 | 2.397 |
| New Jersey | 2.315 | 2.634 | 2.802 | 2.477 |
| New Mexico | 2.174 | 2.385 | 2.583 | 2.360 |
| New York | 2.416 | 2.688 | 2.889 | 2.648 |

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 18, 2017 -- Con.

| State | Regular | Mid | Premium | Diesel |
|----------------|---------|-------|---------|--------|
| North Carolina | 2.121 | 2.419 | 2.721 | 2.369 |
| North Dakota | 2.228 | 2.405 | 2.641 | 2.406 |
| Ohio | 2.136 | 2.428 | 2.729 | 2.397 |
| Oklahoma | 2.034 | 2.247 | 2.440 | 2.150 |
| Oregon | 2.667 | 2.827 | 2.998 | 2.652 |
| Pennsylvania | 2.477 | 2.738 | 2.983 | 2.853 |
| Rhode Island | 2.294 | 2.591 | 2.778 | 2.486 |
| South Carolina | 1.976 | 2.285 | 2.555 | 2.260 |
| South Dakota | 2.259 | 2.337 | 2.724 | 2.399 |
| Tennessee | 2.033 | 2.322 | 2.602 | 2.289 |
| Texas | 2.071 | 2.364 | 2.610 | 2.248 |
| Utah | 2.463 | 2.608 | 2.756 | 2.643 |
| Vermont | 2.318 | 2.612 | 2.841 | 2.548 |
| Virginia | 2.046 | 2.393 | 2.667 | 2.323 |
| Washington | 2.812 | 2.983 | 3.117 | 2.815 |
| West Virginia | 2.318 | 2.540 | 2.794 | 2.564 |
| Wisconsin | 2.244 | 2.546 | 2.926 | 2.439 |
| Wyoming | 2.263 | 2.431 | 2.646 | 2.553 |

Source: AAA's Daily Gas Prices, National Average, State Prices and Compare Prices <<http://gasprices.aaa.com/>> accessed July 19, 2017; 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 | 112.4 |
| Monthly unreserved | Parking rate – low | 195.00 | 108.06 | 180.5 |
| Monthly unreserved | Parking rate – median | 230.00 | 166.26 | 138.3 |
| Monthly reserved | Parking rate – high | 395.00 | 273.41 | 144.5 |
| Monthly reserved | Parking rate – low | 287.96 | 137.67 | 209.2 |
| Monthly reserved | Parking rate – median | 350.00 | 196.21 | 178.4 |
| Daily parking | Rate – high | 75.00 | 27.13 | 276.4 |
| Daily parking | Rate – low | 21.00 | 9.64 | 217.8 |
| Daily parking | Rate – median | 42.00 | 17.19 | 244.3 |
| Hourly parking | Rate – high | 10.00 | 9.73 | 102.8 |
| Hourly parking | Rate – low | 1.50 | 2.71 | 55.4 |
| Hourly parking | Rate – median | 6.50 | 5.77 | 112.7 |
| 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 CAR RENTAL DESTINATION RATES IN THE UNITED STATES: 2015

[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 October 1, 2014 through September 30, 2015. 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) | Rank | City and State | Rate (dollars) |
|------|----------------|----------------|-----------|-----------------|----------------|
| 1 | Philadelphia | 65 | 26 | Dallas | 40 |
| 2 | New York City | 61 | 27 | Buffalo | 39 |
| 3 | Detroit | 58 | 27 | Denver | 39 |
| 3 | Indianapolis | 58 | 29 | Honolulu | 38 |
| 5 | Austin | 56 | 30 | Minneapolis | 37 |
| 6 | Charlotte | 55 | 30 | San Antonio | 37 |
| 7 | Cincinnati | 53 | 30 | Salt Lake City | 37 |
| 7 | St. Louis | 53 | 30 | Atlanta | 37 |
| 9 | Baltimore | 52 | 30 | Pittsburgh | 37 |
| 9 | Cleveland | 52 | 35 | Sacramento | 36 |
| 11 | New Orleans | 51 | 36 | Oakland | 35 |
| 11 | Boston | 51 | 37 | Seattle | 34 |
| 13 | Kansas City | 50 | 38 | San Jose | 33 |
| 14 | Memphis | 49 | 39 | Savannah | 32 |
| 14 | Chicago | 49 | 40 | Las Vegas | 31 |
| 14 | Reno | 49 | 41 | Los Angeles | 29 |
| 17 | Nashville | 48 | 41 | Fort Lauderdale | 29 |
| 17 | Portland | 48 | 41 | Jacksonville | 29 |
| 19 | Tucson | 47 | 41 | San Diego | 29 |
| 20 | Milwaukee | 46 | 45 | Myrtle Beach | 28 |
| 21 | Anchorage | 45 | 45 | Tampa | 28 |
| 21 | Houston | 45 | 47 | Orlando | 27 |
| 23 | Albuquerque | 44 | 48 | San Francisco | 26 |
| 24 | Phoenix | 41 | 48 | Charleston | 26 |
| 24 | Washington | 41 | 50 | Miami | 20 |

Source: CheapCarRental "The Most Expensive Car Rental Destinations in the USA" (October 1, 2015) <<http://www.cheapcarrental.net/press/usa2015.html>> accessed October 28, 2015.

**Table 14.19-- CAR RENTAL RATES FOR 30 MAJOR
UNITED STATES CITIES: THANKSGIVING PREMIUM 2016**

[The car rental rates of 30 major U.S. destinations were established during the long Thanksgiving weekend, November 23 to 27, 2016, via a leading car rental comparison engine. Each city's biggest 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 | 101 | 187 |
| 2 | Atlanta | 91 | 212 |
| 3 | Pittsburgh | 79 | 121 |
| 4 | Washington DC | 75 | 96 |
| 5 | Las Vegas | 70 | 287 |
| 6 | Baltimore | 68 | 149 |
| 7 | New Orleans | 68 | 107 |
| 8 | Kansas City | 65 | 103 |
| 9 | Detroit | 59 | 112 |
| 10 | Chicago | 51 | 63 |
| 11 | Seattle | 51 | 113 |
| 12 | Charlotte | 51 | 94 |
| 13 | Portland | 49 | 42 |
| 14 | Dallas | 48 | -5 |
| 15 | St. Louis | 47 | 38 |
| 16 | Boston | 41 | 19 |
| 17 | Los Angeles | 43 | 144 |
| 18 | Phoenix | 39 | 37 |
| 19 | San Francisco | 37 | 61 |
| 20 | Miami | 35 | 145 |
| 21 | Cleveland | 34 | 22 |
| 22 | San Diego | 33 | 125 |
| 23 | Philadelphia | 33 | 8 |
| 24 | Tampa | 33 | 43 |
| 25 | Houston | 32 | -17 |
| 26 | San Antonio | 31 | -12 |
| 27 | Denver | 31 | -11 |
| 28 | Minneapolis | 30 | -18 |
| 29 | Orlando | 30 | 12 |
| 30 | Honolulu | 16 | 2 |

Source: CheapCarRental "Atlanta Tripling the Price of Car Rentals for Thanksgiving Travel" (November 22, 2016) <<http://www.cheapcarrental.net/press/thanksgiving2016.html>> accessed December 8, 2016.

**Table 14.20-- AVERAGE ANNUAL AUTO INSURANCE RATES
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]

| 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 |
| 33 | Indiana | 1,268 | 55,368 | 2.29 |

Continued on next page.

**Table 14.20-- AVERAGE ANNUAL AUTO INSURANCE RATES
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 |
|-------------|----------------|---|---|---|
| 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-- COST OF LIVING GLOBAL RANK FOR SELECTED MAJOR CITIES IN THE UNITED STATES: 2008 TO 2017

[The survey, conducted in March, covers 209 to 214 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 | | | | | | | | | |
|---------------------|-------------|-----------|-------------|-------------|-------------|------------|-----------|-----------|-----------|-----------|
| | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 1/ | 2014 2/ | 2015 | 2016 | 2017 |
| Atlanta, GA | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) | 147 | 103 | 78 | 83 |
| Boston, MA | (NA) | (NA) | (NA) | (NA) | (NA) | 123 | 109 | 64 | 47 | 51 |
| Chicago, IL | 84 | 50 | (NA) | (NA) | (NA) | (NA) | 85 | 42 | 34 | 31 |
| Cleveland, OH | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) | 167 | 133 | 110 | 100 |
| Dallas, TX | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) | 125 | 77 | 62 | 62 |
| Detroit, MI | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) | 160 | 122 | 103 | 95 |
| Honolulu, HI | 77 | 41 | (NA) | (NA) | (NA) | 117 | 97 | 52 | 37 | 35 |
| Houston, TX | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) | 143 | 92 | 75 | 74 |
| Los Angeles, CA | 55 | 23 | 55 | (NA) | (NA) | (NA) | 62 | 36 | 27 | 23 |
| Miami, FL | 75 | 45 | (NA) | (NA) | (NA) | 114 | 98 | 56 | 45 | 41 |
| Minneapolis, MN | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) | 156 | 115 | 91 | 86 |
| Morristown, NJ | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) | 132 | 88 | 71 | 81 |
| New York City, NY | 22 | 8 | 27 | 32 | 33 | 24 | 16 | 16 | 11 | 9 |
| Pittsburgh, PA | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) | 162 | 130 | 112 | 107 |
| Portland, OR | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) | 166 | 135 | 117 | 115 |
| San Francisco, CA | 78 | 34 | (NA) | (NA) | (NA) | 92 | 74 | 37 | 26 | 21 |
| Seattle, WA | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) | 153 | 106 | 83 | 76 |
| St. Louis, MO | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) | 161 | 130 | 108 | 100 |
| Washington, DC | (NA) | (NA) | 111 | (NA) | (NA) | (NA) | 92 | 50 | 38 | 39 |
| White Plains, NY | 89 | 31 | (NA) | (NA) | (NA) | (NA) | 81 | 71 | 61 | 64 |
| Winston Salem, NC | (NA) | (NA) | 197 | (NA) | (NA) | (NA) | 182 | 157 | 147 | 140 |

NA Not available.

1/ Originally not available in the 2013 News Release, the rankings were derived from data in the 2014 release.

2/ Many rankings were not originally available in the 2014 News Release, but were derived from the 2015.

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.

Table 14.22-- TOP 10 MOST EXPENSIVE AND 10 CHEAPEST STATES TO LIVE: 2017

[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, 2016 Annual Average. See also <<http://coli.org/coli-release-highlights-2016-annual-average/>>]

| Rank | State | Metro area 1/ | Average home price | Half gallon of milk | T-bone steak | Monthly energy bill | Doctor visit |
|----------------|---------------|--|--------------------|---------------------|--------------|---------------------|--------------|
| Most expensive | | | | | | | |
| 1 | Hawaii | Honolulu | 1,042,420 | 3.79 | 11.76 | 455.51 | 110.63 |
| 2 | New York | Manhattan | 1,621,965 | 2.72 | 14.30 | 232.72 | 105.00 |
| 3 | California | San Francisco-Redwood City-South San Francisco | 1,020,413 | 3.03 | 12.75 | 203.84 | 129.25 |
| 4 | Massachusetts | Cambridge-Newton-Framingham | 634,233 | 2.56 | 13.05 | 287.63 | 157.89 |
| 5 | Alaska | Anchorage | 510,395 | 2.26 | 14.06 | 201.39 | 175.40 |
| 6 | Connecticut | Bridgeport-Stamford-Norwalk | 652,192 | 2.70 | 12.13 | 237.81 | 124.96 |
| 7 | Maryland | Bethesda-Gaithersburg-Frederick | 703,687 | 2.37 | 12.13 | 172.28 | 93.11 |
| 8 | Vermont | Burlington-South Burlington | 494,484 | 2.55 | 12.21 | 228.30 | 113.84 |
| 9 | Rhode Island | Providence-Warwick | 408,156 | 2.56 | 10.32 | 243.22 | 142.56 |
| 10 | New Jersey | Bergen-Passaic | 528,634 | 2.23 | 12.46 | 168.80 | 97.00 |
| Cheapest | | | | | | | |
| 1 | Mississippi | Gulfport-Biloxi | 199,028 | 2.02 | 10.57 | 128.68 | 82.37 |
| 2 | Indiana | Elkhart-Goshen | 270,204 | 1.74 | 13.28 | 144.39 | 105.83 |
| 3 | Michigan | Detroit-Dearborn-Livonia-Troy | 274,355 | 1.76 | 13.37 | 175.87 | 97.06 |
| 4 | Arkansas | Little Rock-North Little Rock | 301,128 | 2.02 | 11.28 | 145.79 | 110.39 |
| 5 | Oklahoma | Edmond | 310,821 | 2.01 | 10.77 | 149.46 | 99.25 |
| 6 | Idaho | Boise | 267,833 | 1.53 | 9.96 | 133.56 | 125.34 |
| 7 | Tennessee | Chattanooga | 314,197 | 1.99 | 11.26 | 148.10 | 127.67 |
| 8 | Kansas | Dodge City | 303,778 | 1.01 | 10.86 | 143.29 | 97.89 |
| 9 | Texas | Plano-Allen | 337,651 | 1.63 | 10.26 | 160.65 | 120.28 |
| 10 | Kentucky | Bowling Green | 271,778 | 1.81 | 12.38 | 168.98 | 77.67 |

1/ Average home price applies to indicated Metro area.

Source: CNBC, "America's Top States for Business - Most Expensive State to Live in 2017" (July 11, 2017) <<http://www.cnbc.com/2017/07/11/americas-10-most-expensive-states-to-live-in-2017.html>> accessed July 14, 2017; and "Cheapest State to Live in 2017" <<http://www.cnbc.com/2017/07/11/americas-10-cheapest-states-to-live-in-2017.html>> accessed July 14, 2017.

Table 14.23-- PAY DIFFERENTIALS AND COST OF LIVING INDEXES FOR FEDERAL EMPLOYEES IN HAWAII RELATIVE TO WASHINGTON, D.C., BY COUNTY: 1996 TO 2017

[As of April 18, 2017. 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 |
| 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 14.23-- PAY DIFFERENTIALS AND COST OF LIVING INDEXES FOR FEDERAL EMPLOYEES IN HAWAII RELATIVE TO WASHINGTON, D.C., BY COUNTY: 1996 TO 2017 -- 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" <<https://www.opm.gov/policy-data-oversight/pay-leave/pay-systems/nonforeign-areas/#url=COLA-Rates>> accessed June 6, 2016; and OPM, "COLA and Locality Pay Rates in Nonforeign Areas 2017" <<https://www.opm.gov/policy-data-oversight/pay-leave/pay-systems/nonforeign-areas/#url=COLA-Rates>> accessed April 18, 2017.

Table 14.24-- COST OF LIVING ALLOWANCE INDEXES FOR MILITARY IN HAWAII RELATIVE TO CONTINENTAL UNITED STATES, BY ISLAND

[As of July 1, 2017. Index number continental United States=100]

| Effective date | Locality | Locality code 1/ | Index |
|-----------------------|-----------------|-------------------------|--------------|
| June 1, 2016 | Hawaii (island) | HI 001 | 126 |
| May 1, 2016 | Kauai | HI 003 | 134 |
| May 1, 2016 | Maui | HI 005 | 138 |
| May 1, 2016 | Molokai | HI 007 | 138 |
| May 1, 2016 | Oahu | HI 009 | 124 |
| November 8, 1989 | Other islands | HI 999 | (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 2017, Table III - Cost-of-Living Allowance (COLA) Indexes", p.6 <http://www.defensetravel.dod.mil/Docs/perdiem/browse/Allowances/Appendix_J_Overseas_COLA_Tables/2017-COLA-Indexes/07-01-17_COLA_Indices.pdf> accessed July 1, 2017.

Table 14.25-- PER DIEM RATES FOR MILITARY IN HAWAII, BY ISLAND OR INSTALLATION

[As of July 1, 2017. 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 | 300 | 177 | 98 | 56 | 25 | April 1, 2016 |
| EASTPAC Naval COMP TELE Area | 300 | 177 | 98 | 56 | 25 | April 1, 2016 |
| Ft. DeRussey | 300 | 177 | 98 | 56 | 25 | April 1, 2016 |
| Ft. Shafter | 300 | 177 | 98 | 56 | 25 | April 1, 2016 |
| Hickam Air Force Base | 300 | 177 | 98 | 56 | 25 | October 1, 2016 |
| Hilo (Island of Hawaii) | 292 | 189 | 82 | 48 | 21 | April 1, 2016 |
| Honolulu | 300 | 177 | 98 | 56 | 25 | April 1, 2016 |
| Isle of Hawaii: Hilo | 292 | 189 | 82 | 48 | 21 | April 1, 2016 |
| Isle of Hawaii: Other | 337 | 189 | 118 | 66 | 30 | April 1, 2016 |
| Isle of Kauai | 460 | 325 | 108 | 61 | 27 | April 1, 2016 |
| Isle of Maui | 393 | 259 | 107 | 61 | 27 | April 1, 2016 |
| Isle of Oahu | 300 | 177 | 98 | 56 | 25 | April 1, 2016 |
| Joint Base Pearl Harbor- Hickam | 300 | 177 | 98 | 56 | 25 | October 1, 2016 |
| Kapolei | 300 | 177 | 98 | 56 | 25 | April 1, 2016 |
| Kekaha Pacific Missile Range Fac. | 460 | 325 | 108 | 61 | 27 | April 1, 2016 |
| Kilauea Military Camp | 292 | 189 | 82 | 48 | 21 | April 1, 2016 |
| Lanai | 372 | 254 | 95 | 55 | 23 | April 1, 2016 |
| Lihue (Island of Kauai) | 460 | 325 | 108 | 61 | 27 | April 1, 2016 |
| Lualualei Naval Magazine | 300 | 177 | 98 | 56 | 25 | April 1, 2016 |
| Marine Corps Base Hawaii | 300 | 177 | 98 | 56 | 25 | April 1, 2016 |
| Molokai | 253 | 157 | 77 | 46 | 19 | April 1, 2016 |
| NOSC Pearl Harbor 3/ | 300 | 177 | 98 | 56 | 25 | October 1, 2016 |
| Pearl Harbor | 300 | 177 | 98 | 56 | 25 | April 1, 2016 |
| PMRF Barking Sands | 460 | 325 | 108 | 61 | 27 | October 1, 2016 |
| Schofield Barracks | 300 | 177 | 98 | 56 | 25 | April 1, 2016 |
| Tripler Army Medical Center | 300 | 177 | 98 | 56 | 25 | April 1, 2016 |
| Wahiawa NCTAMS PAC 4/ | 300 | 177 | 98 | 56 | 25 | October 1, 2016 |
| Wheeler Army Airfield | 300 | 177 | 98 | 56 | 25 | April 1, 2016 |
| Other 5/ | 292 | 189 | 82 | 48 | 21 | April 1, 2016 |

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 2017"

<<http://www.defensetravel.dod.mil/site/perdiem.cfm>> accessed July 1, 2017.