

Section 14

PRICES

This section presents indexes of consumer prices for Honolulu and for the United States, the implicit price deflator for gross state product, and comparisons of Honolulu living costs with those in other 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 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. Current data for Honolulu and other cities are published in *CPI Detailed Report*, issued monthly by BLS.

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 Bureau of Labor Statistics for Honolulu and the Mainland were discontinued after 1981. Unofficial 1982-1996 estimates by the Bank of Hawaii had been discontinued but were recently restored. 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, was most recently published for 1996. These studies are subject to technical limitations and must be interpreted with considerable caution.

No composite wholesale or producer price index is available for Hawaii. Average wholesale prices of agricultural products are reported in *Statistics of Hawaiian 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.

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: 1997*, Section 15. Long-term trends for Hawaii are traced in *Historical Statistics of Hawaii*, Section 5.

**Table 14.01-- IMPLICIT PRICE DEFLATOR FOR EXPENDITURES ON
GROSS STATE PRODUCT: 1958 TO 1997**

[1987 = 100]

Year	Deflator 1987 = 100	Percent change from year previous	Year	Deflator 1987 = 100	Percent change from year previous
1958	28.5	(NA)	1978	64.5	8.6
1959	28.4	-0.4	1979	70.4	9.0
1960	28.8	1.3	1980	74.7	6.2
1961	30.1	4.5	1981	78.0	4.4
1962	30.1	0.0	1982	83.7	7.2
1963	31.4	4.3	1983	87.2	4.2
1964	31.2	-0.5	1984	90.5	3.7
1965	31.5	1.0	1985	93.5	3.3
1966	32.7	3.8	1986	95.6	2.3
1967	34.1	4.3	1987	100.0	4.5
1968	35.3	3.4	1988	105.3	5.3
1969	37.1	5.3	1989	110.6	5.1
1970	39.6	6.7	1990	117.7	6.4
1971	40.7	2.8	1991	125.0	6.2
1972	42.4	4.1	1992	131.0	4.8
1973	45.8	7.9	1993	134.5	2.6
1974	52.8	15.2	1994	137.8	2.5
1975	53.5	1.4	1995	140.5	1.9
1976	56.5	5.7	1996	142.6	1.5
1977	59.4	5.2	1997	143.5	0.6

Source: Hawaii State Department of Business, Economic Development & Tourism, records.

Table 14.02-- CONSUMER PRICE INDEX, FOR ALL URBAN CONSUMERS (CPI-U), ALL ITEMS, FOR HONOLULU AND UNITED STATES: 1940 TO 1997

[1982-1984 average = 100. Excludes rent before 1963]

Year	Honolulu		United states	
	Annual average	Percent change from year previous	Annual average	Percent change from year previous
1940	14.7	(NA)	14.0	(NA)
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
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

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**Table 14.02-- CONSUMER PRICE INDEX, FOR ALL URBAN CONSUMERS
(CPI-U), ALL ITEMS, FOR HONOLULU AND UNITED STATES:
1940 TO 1997--Con.**

Year	Honolulu		U.S.	
	Annual average	Percent change from previous period	Annual average	Percent change from previous period
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

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. 1987-1997: U. S. Department of Labor, Bureau of Labor Statistics, CPI-U and CPI-W, All Items, Historical Series, for Honolulu, BLS FAXSTAT 922; and for the U.S, BLS FAXSTAT Code 9210, February 24, 1998.

**Table 14.03-- CONSUMER PRICE INDEX (ALL ITEMS COMBINED), BY
TYPE OF CONSUMER, FOR HONOLULU: SEMI-ANNUALLY, 1984 TO 1997**

[1982-1984 average = 100]

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
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

Source: U.S. Bureau of Labor Statistics, CPI-U and CPI-W, All Items, Historical Series, Honolulu, HI, FAXSTAT 2265, February 24, 1998.

**Table 14.04-- CONSUMER PRICE INDEX FOR ALL URBAN CONSUMERS
(CPI-U), BY EXPENDITURE CATEGORY AND COMMODITY AND SERVICE
GROUP, FOR HONOLULU: ANNUAL AVERAGES, 1992 TO 1997**

[Unless otherwise specified, 1982-1984 average=100]

Group	1992	1993	1994	1995	1996	1997
All items	155.1	160.1	164.5	168.1	170.7	171.9
Food and beverages	148.5	152.9	153.4	156.8	156.6	159.2
Food	148.3	152.7	153.2	157.0	156.6	159.5
Food at home	155.0	158.0	157.8	162.1	159.5	164.2
Cereals and bakery products	163.3	166.0	163.5	168.4	170.8	168.8
Meats, poultry, fish, and eggs	157.3	154.5	137.9	136.0	135.6	137.8
Meats, poultry, and fish	159.1	156.0	138.1	135.8	135.1	137.2
Dairy products	128.2	130.3	132.4	133.8	139.4	144.9
Fruits and vegetables	172.9	181.0	192.3	201.2	194.9	204.4
Other foods at home	143.2	150.6	164.0	173.4	165.1	172.5
Food away from home	137.8	141.9	146.4	149.2	150.8	152.6
Alcoholic beverages	151.1	155.0	155.8	152.3	156.2	155.2
Housing	161.7	166.5	171.6	174.7	176.8	177.1
Shelter	179.6	183.5	188.7	191.7	193.5	192.4
Renters' costs 1/	185.2	190.4	195.6	197.9	200.3	200.0
Rent, residential	175.8	181.4	185.9	187.0	187.3	185.7
Other renters' costs	201.9	203.1	212.0	220.9	235.3	242.8
Homeowners' costs 1/	185.8	188.9	194.6	197.8	199.3	197.9
Owners' equivalent rent 1/	186.8	189.9	195.6	198.9	200.4	199.0
Fuel and other utilities	106.1	117.5	121.3	128.4	133.8	137.1
Fuels	90.0	102.6	101.9	111.6	115.9	119.8
Gas (piped) and electricity	89.4	101.8	101.1	110.8	115.2	119.1
Electricity	88.0	101.6	101.0	111.1	114.5	118.6
Utility (piped) gas	98.8	96.8	94.2	98.9	114.7	116.1
Household furnishings and operation	137.3	140.0	145.6	146.0	146.4	150.0
Apparel and upkeep	114.2	116.5	118.7	117.5	118.5	117.3
Apparel commodities	111.1	113.2	115.3	114.0	115.0	113.8
Men's and boys' apparel	131.8	135.8	149.8	152.1	149.0	147.3
Women's and girls' apparel	100.5	103.8	95.9	94.6	95.2	94.6
Footwear	104.7	98.0	98.2	94.4	96.8	98.1
Transportation	147.4	150.5	156.4	162.4	167.0	166.0
Private transportation	149.8	152.1	156.7	162.8	168.2	167.2
Motor fuel	117.5	121.3	123.1	125.5	131.9	132.0
Gasoline	119.6	124.1	126.0	128.4	134.9	135.1
Unleaded, regular	(NA)	(NA)	(NA)	(NA)	141.4	141.9
Unleaded midgrade 2/	(NA)	(NA)	(NA)	(NA)	105.9	105.3
Unleaded, premium	(NA)	(NA)	(NA)	(NA)	123.8	123.8
Public transportation	128.3	137.1	152.5	158.4	156.0	156.9

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Table 14.04-- CONSUMER PRICE INDEX FOR ALL URBAN CONSUMERS (CPI-U), BY EXPENDITURE CATEGORY AND COMMODITY AND SERVICE GROUP, FOR HONOLULU: ANNUAL AVERAGES, 1992 TO 1997 -- Con.

Group	1992	1993	1994	1995	1996	1997
Medical care	182.6	197.4	206.0	209.8	215.0	217.3
Entertainment	136.3	138.3	142.3	144.2	147.8	147.9
Other goods and services	189.0	200.1	209.6	216.8	226.5	239.0
Personal care	153.3	158.6	162.9	165.8	169.4	169.2
All items	155.1	160.1	164.5	168.1	170.7	171.9
Commodities	138.5	141.4	142.9	145.1	146.3	148.3
Food and beverages	148.5	152.9	153.4	156.8	156.6	159.2
Commodities less food and beverages	130.5	132.1	134.5	135.8	138.1	139.6
Nondurables less food and beverages	133.2	136.8	138.6	139.6	142.2	143.2
Durables	126.5	124.9	128.2	130.0	131.8	134.2
Services	169.9	176.6	183.5	188.3	192.1	192.8
Medical care services	183.6	199.1	208.0	211.7	216.7	217.4
Special indexes:						
All items less shelter	145.6	150.9	155.0	158.9	161.8	164.0
All items less medical care	153.5	158.0	162.2	165.8	168.3	169.4
All items less energy	160.2	164.9	169.7	173.1	175.5	176.7
Energy	104.6	112.6	113.2	119.0	124.4	124.4
All items less food and energy	(NA)	(NA)	(NA)	(NA)	180.5	181.4
Commodities less food	131.4	133.2	135.5	136.6	138.9	140.3
Nondurables less food	134.3	138.0	139.8	140.3	143.0	143.9
Nondurables	141.6	145.7	146.8	149.1	150.1	152.0
Services less rent of shelter 1/	160.9	171.0	179.9	186.8	192.9	195.4
Services less medical care	168.3	174.4	181.1	186.0	189.7	190.3

1/ Indexes on a December 1982=100 base.

2/ Indexes on a December 1993=100 base.

Source: U.S. Bureau of Labor Statistics, *CPI Detailed Report* (monthly), CPI-U and CPI-W, All Items, Historical Series, Honolulu, HI; BLS FAXSTAT 9225, August 13, 1996; and for 1995-97, BLS FAXSTAT Codes 2265 and 9225; and <<http://stats.bls.gov/special.requests/sanfrancisco/cpihono.txt>>, February 24, 1998.

**Table 14.05-- RELATIVE IMPORTANCE OF COMPONENTS IN THE
CONSUMER PRICE INDEX, FOR ALL URBAN CONSUMERS (CPI-U), FOR
THE UNITED STATES AND HONOLULU, DECEMBER 1995 AND 1996**

[Percent of all items]

Group	1995 CPI-U		1996 CPI-U	
	US	Honolulu	US	Honolulu
EXPENDITURE CATEGORY				
All items	100.000	100.000	100.000	100.000
Food and beverages	17.332	19.317	17.484	19.416
Food	15.766	18.021	15.913	18.054
Food at home	9.880	11.793	10.040	11.825
Cereals and bakery products	1.473	1.524	1.479	1.577
Meats, poultry, fish, and eggs	2.936	3.223	3.002	3.242
Meats, poultry, and fish	2.747	3.001	2.797	2.997
Dairy products	1.169	0.874	1.245	0.979
Fruits and vegetables	1.936	3.258	1.974	3.204
Other foods at home	2.365	2.914	2.340	2.824
Food away from home	5.886	6.228	5.873	6.229
Alcoholic beverages	1.566	1.296	1.571	1.363
Housing	41.346	43.149	41.203	42.811
Shelter	28.289	32.523	28.194	32.096
Renters' costs	7.988	9.473	7.994	9.438
Rent, residential	5.762	7.999	7.961	7.846
Other renters' costs	2.227	1.474	2.263	1.592
Homeowners' costs	20.102	22.806	20.000	22.414
Owners' equivalent rent	19.716	22.631	19.616	22.241
Fuel and other utilities	7.014	4.684	7.102	4.844
Fuels	3.792	2.286	3.878	2.385
Fuel oil, and other household fuel	0.356	0.023	0.425	0.023
Fuel oil	0.246	0.001	0.293	0.002
Other household fuel commodities	0.110	0.021	0.131	0.021
Gas (piped) and electricity	3.436	2.263	3.453	2.362
Electricity	2.395	2.091	2.334	2.179
Utility (piped) gas	1.041	0.172	1.119	0.183
Household furnishings and operation	6.043	5.942	5.908	5.871
Apparel and upkeep	5.516	4.296	5.330	4.149
Apparel commodities	4.967	3.970	4.786	3.824
Men's and boys' apparel	1.303	1.285	1.280	1.220
Women's and girls' apparel	2.195	1.453	2.102	1.339
Footwear	0.732	0.452	0.718	0.482

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**Table 14.05-- RELATIVE IMPORTANCE OF COMPONENTS IN THE
CONSUMER PRICE INDEX, FOR ALL URBAN CONSUMERS (CPI-U),
FOR THE U.S. AND HONOLULU, DECEMBER 1995 AND 1996 -- Con.**

Group	1995 CPI-U		1996 CPI-U	
	US	Honolulu	US	Honolulu
EXPENDITURE CATEGORY -- Con.				
Transportation	16.953	16.534	17.141	16.529
Private transportation	15.430	14.879	15.499	14.817
Motor fuel	2.908	2.844	3.171	3.019
Public transportation	1.523	1.655	1.642	1.712
Medical care	7.362	5.833	7.346	5.802
Entertainment	4.367	4.030	4.352	4.063
Other goods and services	7.123	6.840	7.145	7.230
Personal care	1.170	1.281	1.445	1.285
COMMODITY AND SERVICE GROUP				
All items	100.000	100.000	100.000	100.000
Commodities	42.916	39.740	42.873	39.832
Food and beverages	17.332	19.317	17.484	19.416
Commodities less food and beverages	25.584	20.423	25.389	20.416
Nondurables less food and beverages	15.075	13.025	15.147	13.013
Durables	10.509	7.398	10.242	7.403
Services	57.084	60.260	57.127	60.168
Medical care services	6.081	4.813	7.346	4.772
Special indexes:				
All items less shelter	71.711	67.477	71.806	67.904
All items less medical care	92.638	94.167	92.654	94.198
All items less energy	93.300	94.871	92.951	94.596
All items less food and energy	77.534	76.850	77.038	76.542
Energy	6.700	5.129	7.049	5.404
Commodities less food	27.150	21.719	26.960	21.779
Nondurables less food	16.641	14.321	16.718	14.376
Nondurables	32.407	32.342	32.631	32.430
Services less rent of shelter	29.414	28.167	29.540	28.500
Services less medical care services	51.004	55.447	51.054	55.396

Source: U.S. Bureau of Labor Statistics, *Relative Importance of Components in the Consumer Price Index, 1995*, Bulletin 2476, February 1996 (p. 17), and for 1996, *Ibid.*, Bulletin 2488, April 1997, (p. 18-19); and <ftp://146.142.4.23/pub/special.requests/cpi/usri96.txt>.

**Table 14.06-- ANNUAL INTERMEDIATE BUDGET FOR A FOUR-PERSON
FAMILY ON OAHU: 1971 TO 1996**

Year	Dollars	Percent of urban U.S.	Year	Dollars	Percent of urban U.S.
1971	13,108	119.5	1984	35,484	124.4
1972	13,617	119.0	1985	36,926	122.7
1973	14,937	118.3	1986	38,437	123.2
1974	17,019	118.8	1987	41,790	126.7
1975	18,107	117.0	1988	44,414	129.2
1976	19,036	117.2	1989	47,950	130.7
1977	20,883	122.1	1990	2/ 52,137	134.1
1978	23,099	124.0	1991	2/ 55,010	136.3
1979	25,799	125.7	1992	57,345	138.8
1980	28,488	2/ 123.2	1993 1/	59,129	138.7
1981	31,893	125.5	1994 1/	59,412	135.6
1982	33,403	124.5	1995 1/ 2/	61,800	138.1
1983	33,890	124.3	1996 1/	61,361	134.0

1/ Preliminary.

2/ Estimate has been revised.

Source: U.S. Bureau of Labor Statistics, annual releases for 1971-81; 1982-96 estimates by Paul Brewbaker, Bank of Hawaii, Economics Department.

Table 14.07-- ANNUAL INTERMEDIATE BUDGETS, BY ITEM, FOR A FOUR-PERSON FAMILY IN THE UNITED STATES AND ON OAHU: 1981 AND 1996

[Hypothetical budgets for a family of specified characteristics, based on 1972-1973 expenditure patterns as updated by the consumer price index and current tax rates. The 1981 values are official estimates published by the U.S. Bureau of Labor Statistics; the 1996 values are preliminary unofficial estimates prepared by the Bank of Hawaii, using comparable assumptions and methodology. Users of these estimates should bear in mind the limitations imposed by the underlying assumptions and methods]

Item	Urban United States (dollars)		Oahu (dollars)		Oahu as percent of urban U.S.	
	1981	1996	1981	1996	1981	1996
Total budget	25,409	45,809	31,893	61,361	125.5	134.0
Consumption	18,242	32,881	21,530	41,220	118.0	125.4
Food	5,843	9,557	7,626	12,863	130.5	134.6
Food at home	4,866	7,915	6,649	11,199	136.6	141.5
Food away from home	977	1,641	977	1,665	100.0	101.4
Housing	5,547	9,896	6,493	13,185	117.1	133.2
Homeowner shelter costs	4,886	9,213	5,467	11,678	111.9	126.8
Renter shelter costs	2,732	5,297	3,991	8,397	146.1	158.5
Housefurnishings and operations	1,199	1,662	1,395	2,327	116.3	140.0
Transportation	2,372	3,641	2,421	4,225	102.1	116.0
Clothing	1,333	1,843	1,432	1,796	107.4	97.4
Personal care	508	853	590	1,142	116.1	134.0
Medical care	1,443	3,973	1,590	4,179	110.2	105.2
Other family consumption 1/	1,196	3,119	1,378	3,830	115.2	122.8
Other items 2/	1,021	1,762	1,137	2,117	4/ 111.4	120.2
Social Security payments	1,703	3,483	2,049	4,554	120.3	130.8
Personal income taxes 3/	4,443	7,422	7,177	13,600	161.5	183.3

1/ Reading, recreation, tobacco products, alcoholic beverages, education, and miscellaneous expenditures.

2/ Includes gifts and contributions, life insurance, and occupational expenses.

3/ 1996 values based on 1992 data.

4/ Revised.

Source: U.S. Bureau of Labor Statistics, *Autumn 1981 Urban Family Budgets and Comparative Indexes for Selected Urban Areas* (release USDL: 82-139, April 16, 1981); 1996 estimates by Paul H. Brewbaker, Bank of Hawaii, Economics Department, in "Hawaii's Cost of Living in 1990: Urban Four-Person Family Budgets at an Intermediate Standard of Living" (1991), as updated to 1996.

Table 14.08-- COMPARATIVE LIVING COSTS FOR HONOLULU AND OTHER METROPOLITAN AREAS: MARCH-APRIL 1995

[Based on a survey of 400 metropolitan areas. Data exclude housing, transportation, and personal income taxes]

Rank	Metropolitan area	Index 1/
1	New York, N.Y. (Manhattan only) 2/	132.1
2	Honolulu, Hawaii 2/	120.5
3	Washington, D.C.	113.0
4	Anchorage, Alaska	108.0
5	Los Angeles, California	108.0
...	U.S. median	100.0
400	Billings, Montana	91.6

1/ Percent of U.S. median.

2/ For the entire New York MSA, the index was lower than that of Honolulu.

Source: Runzheimer International, cited in *Honolulu Star-Bulletin*, November 14, 1995, p. B-1, and *The Honolulu Advertiser*, November 15, 1995, p. D-1.

**Table 14.09-- INDEXES OF COST OF LIVING FOR SELECTED
MAJOR CITIES WORLDWIDE: 1995, 1996 AND 1997**

City	General index			
	March 1995	Sept. 1995	March 1996	Sept. 1997
Honolulu	100	100	100	100
Beijing/Peking	120	125	125	124
Chicago	106	108	(NA)	(NA)
Hong Kong	139	144	147	150
Los Angeles	104	106	106	(NA)
Manila	78	81	83	70
New York	116	118	120	(NA)
Paris	(NA)	(NA)	(NA)	134
San Francisco	105	106	(NA)	(NA)
Seoul	139	144	137	125
Shanghai	(NA)	(NA)	125	123
Singapore	141	140	(NA)	133
Sydney	109	113	121	113
Taipei	142	(NA)	138	132
Tokyo	259	232	202	183
Vancouver	97	102	101	100
Washington, D.C.	(NA)	(NA)	104	103

NA Not available.

Source: Economic Intelligence Unit, *Worldwide Cost of Living Survey*, report for Hawaii State Department of Business, Economic Development & Tourism, March 1995 and 1996, and September 1995 and 1997.

**Table 14.10-- PAY DIFFERENTIALS AND COST OF LIVING INDEXES FOR
FEDERAL EMPLOYEES IN HAWAII RELATIVE TO WASHINGTON, D.C.,
BY COUNTY: 1990 TO 1997**

Effective Date	Allowance category 1/	Honolulu	Hawaii	Maui	Kauai
	ALLOWANCE RATES				
February 15, 1990	Local retail 2/	22.5	15.0	20.0	17.5
	Commissary, exchange 2/	12.5	...	20.0	17.5
June 18, 1993	Local retail	22.5	15.0	20.0	17.5
	Commissary, exchange	15.0	...	...	17.5
March 28, 1994	Local retail	22.5	15.0	22.5	20.0
	Commissary, exchange	17.5	...	...	...
October 10, 1995	Local retail	22.5	15.0	22.5	20.0
	Commissary, exchange	17.5	...	...	...
November 21, 1996	Local retail	22.5	15.0	22.5	20.0
	Commissary, exchange	17.5	...	...	...
March 25, 1997	All employees 3/	22.5	15.0	22.5	22.5
December 2, 1997	All employees	22.5	15.0	22.5	22.5
	INDEXES				
March 25, 1997	Cost of Living Index 9/	121.95	119.53	121.36	111.89

1/ Based on access to military commissary and exchange facilities. "Local retail" refers to Federal employees who purchase goods and services from private retail establishments; "commissary, exchange," to Federal employees who have unlimited access to and who use military commissary and exchange facilities.

2/ Authorized allowance rate, expressed as a percentage differential, effective February 15, 1990 and reaffirmed January 8, 1993.

3/ 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. For previous Index, see *State of Hawaii Data Book 1996*, Table 14.13.

Source: U.S. Office of Personnel Management, "Nonforeign Area Cost-of-Living Allowances," *Federal Personnel Manual System*, FPM Letter 591-51 (1990), "Cost-of-Living Allowances and Post Differentials (Nonforeign Areas); Advance Notice of Proposed Rulemaking; Proposed Rule," *Federal Register*, Vol. 56 No. 38, Part II, February 26, 1991, pp. 7902-7986; and "Cost-of-Living Allowances and Post Differentials (Nonforeign Areas); Final Rule," *Federal Register*, Vol. 57, No. 237, December 9, 1992, pp. 58123-58124; For 1995-97, Federal Register Online via GPO Access <<http://www.wais.access.gpo.gov>>, Ibid. Vol. 60, No. 174, pp. 46749-46750; Ibid. Vol. 61, No. 226, pp. 59173-59178; Ibid. Vol. 62, No. 57, pp. 14187-14189; Ibid. Vol. 62, No. 231, pp. 63630-63631.