

## Section 14

# PRICES

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

During 1995, the Honolulu all-items consumer price index for all urban consumers (CPI-U) averaged 168.1, with the 1982-1984 level equal to 100. The index had increased 2.2 percent over the average for 1994, 21.7 percent since 1990, and 68.1 percent since the 1982-84 base period. Prices have risen since the 1982-84 base period for medical care (109.8 percent) and housing (74.7 percent). The implicit price deflator for expenditures on gross state product (a measure of price changes used in the state product accounts) rose 52.7 percent between 1984 and 1994.

An "intermediate" budget for a four-person family living on Oahu was unofficially estimated at \$60,689 as of 1995. This family budget was 35.1 percent higher than the corresponding urban United States average. Differences were particularly marked for food at home (50.1 percent higher) and personal income taxes (83.3 percent higher).

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 1982-1984, the base period. 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, and are now maintained unofficially by the Bank of Hawaii. A comparison of prices in Hawaii and Washington, D.C., compiled for the U.S. Office of Personnel Management to provide a basis for cost of living adjustments for Federal employees, was most recently published for 1990. 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 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 *Statistical Abstract of the United States: 1995*, 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: SELECTED YEARS, 1958 TO 1994**

[1982 = 100]

Year	Deflator	Year	Deflator	Year	Deflator
1958 .....	34.1	1979 .....	84.0	1987 .....	119.5
1960 .....	34.4	1980 .....	89.3	1988 .....	125.8
1965 .....	37.7	1981 .....	93.3	1989 .....	132.2
1970 .....	47.3	1982 .....	100.0	1990 .....	140.6
1975 .....	63.9	1983 .....	104.2	1991 .....	149.4
1976 .....	67.5	1984 .....	108.1	1992 .....	155.9
1977 .....	71.0	1985 .....	111.7	1993 .....	160.7
1978 .....	77.1	1986 .....	114.3	1994 .....	165.1

Source: Hawaii State Department of Business and Economic Development, *Hawaii Gross State Product Accounts: 1958-1988* (June 1989), tables 1-A and 1-5, and records.

**Table 14.02-- CONSUMER PRICE INDEX (ALL ITEMS COMBINED), BY TYPE OF CONSUMER, FOR HONOLULU: ANNUAL AVERAGES, 1940 TO 1995**

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

Year	CPI-U	CPI-W	Year	CPI-U	CPI-W
1940.....	14.7	14.5	1970.....	41.5	40.9
1941.....	15.5	15.3	1971.....	43.2	42.6
1942.....	17.6	17.4	1972.....	44.6	44.0
1943.....	18.9	18.7	1973.....	46.6	45.9
1944.....	19.2	19.0	1974.....	51.5	50.8
1945.....	19.7	19.5	1975.....	56.3	55.5
1946.....	21.0	20.8	1976.....	59.1	58.3
1947.....	24.4	24.1	1977.....	62.1	61.2
1948.....	25.7	25.4	1978.....	66.9	65.9
1949.....	25.2	24.9	1979.....	74.3	73.2
1950.....	24.3	24.0	1980.....	83.0	81.9
1951.....	25.7	25.4	1981.....	91.7	90.5
1952.....	26.5	26.2	1982.....	97.2	96.0
1953.....	26.7	26.4	1983.....	99.3	99.8
1954.....	26.9	26.6	1984.....	103.5	104.3
1955.....	27.3	27.0	1985.....	106.8	107.9
1956.....	27.7	27.4	1986.....	109.4	110.3
1957.....	28.6	28.3	1987.....	114.9	115.9
1958.....	30.0	29.6	1988.....	121.7	122.8
1959.....	30.5	30.1	1989.....	128.7	129.7
1960.....	31.3	30.9	1990.....	138.1	138.9
1961.....	32.1	31.7	1991.....	148.0	148.9
1962.....	32.8	32.4	1992.....	155.1	155.9
1963.....	33.5	33.1	1993.....	160.1	160.7
1964.....	33.7	33.3	1994.....	164.5	164.7
1965.....	34.4	33.9	1995.....	168.1	168.4
1966.....	35.3	34.8			
1967.....	36.3	35.8			
1968.....	37.7	37.2			
1969.....	39.4	38.8			

Source: 1964-1995 by Hawaii State Data Center. 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.

**Table 14.03-- CONSUMER PRICE INDEX (ALL ITEMS COMBINED), BY TYPE OF CONSUMER, FOR HONOLULU: SEMI-ANNUALLY, 1984 TO 1995**

[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

Source: U.S. Bureau of Labor Statistics, *CPI Detailed Report* (monthly), printouts, tapes, and press releases.

**Table 14.04-- PERCENT CHANGE IN SELECTED PRICE INDEXES: 1984 TO 1994**

Index <u>1/</u>	1984 to 1994	1984 to 1989	1989 to 1994	1990 to 1991	1991 to 1992	1992 to 1993	1993 to 1994
Hawaii GSP deflator.....	52.7	22.3	24.9	6.3	4.4	3.1	2.7
Honolulu CPI-U .....	58.9	24.3	27.8	7.2	4.8	3.2	2.7
Honolulu CPI-W .....	57.9	24.4	27.0	7.2	4.7	3.1	2.5
U.S. CPI-U .....	42.6	19.3	19.5	4.2	3.0	3.0	2.6

1/ GSP deflator, the implicit price deflator for expenditures on Hawaii gross state product; CPI-U, consumer price index for all urban consumers; CPI-W, consumer price index for urban wage earners and clerical workers.

Source: U.S. Bureau of Labor Statistics, *CPI Detailed Report* (monthly); present report, tables 14.01 and 14.02.

**Table 14.05-- CONSUMER PRICE INDEX FOR ALL URBAN CONSUMERS  
(CPI-U), BY EXPENDITURE CATEGORY AND COMMODITY AND SERVICE  
GROUP, FOR HONOLULU: ANNUAL AVERAGES, 1991 TO 1995**

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

Group	1991	1992	1993	1994	1995
All items .....	148.0	155.1	160.1	164.5	168.1
Food and beverages .....	145.9	148.5	152.9	153.4	156.8
Food .....	145.9	148.3	152.7	153.2	157.0
Food at home.....	152.8	155.0	158.0	157.8	162.1
Cereals and bakery products.....	159.5	163.3	166.0	163.5	168.4
Meats, poultry, fish, and eggs .....	154.5	157.3	154.5	137.9	136.0
Meats, poultry, and fish .....	155.5	159.1	156.0	138.1	135.8
Dairy products.....	125.6	128.2	130.3	132.4	133.8
Fruits and vegetables.....	175.8	172.9	181.0	192.3	201.2
Other foods at home .....	138.2	143.2	150.6	164.0	173.4
Food away from home .....	133.6	137.8	141.9	146.4	149.2
Alcoholic beverages.....	144.4	151.1	155.0	155.8	152.3
Housing.....	152.8	161.7	166.5	171.6	174.7
Shelter .....	169.3	179.6	183.5	188.7	191.7
Renters' costs <u>1</u> /.....	174.6	185.2	190.4	195.6	197.9
Rent, residential.....	165.5	175.8	181.4	185.9	187.0
Other renters' costs.....	191.0	201.9	203.1	212.0	220.9
Homeowners' costs <u>1</u> /.....	175.1	185.8	188.9	194.6	197.8
Owners' equivalent rent <u>1</u> / .....	176.0	186.8	189.9	195.6	198.9
Fuel and other utilities.....	101.3	106.1	117.5	121.3	128.4
Fuels .....	85.6	90.0	102.6	101.9	111.6
Gas (piped) and electricity.....	84.9	89.4	101.8	101.1	110.8
Electricity.....	83.2	88.0	101.6	101.0	111.1
Utility (piped) gas.....	99.0	98.8	96.8	94.2	98.9
Household furnishings and operation..	130.7	137.3	140.0	145.6	146.0
Apparel and upkeep .....	110.5	114.2	116.5	118.7	117.5
Apparel commodities.....	107.8	111.1	113.2	115.3	114.0
Men's and boys' apparel.....	126.7	131.8	135.8	149.8	152.1
Women's and girls' apparel .....	98.3	100.5	103.8	95.9	94.6
Footwear.....	102.5	104.7	98.0	98.2	94.4
Transportation .....	139.3	147.4	150.5	156.4	162.4
Private transportation.....	141.0	149.8	152.1	156.7	162.8
Motor fuel .....	113.2	117.5	121.3	123.1	125.5
Gasoline .....	115.1	119.6	124.1	126.0	128.4
Public transportation .....	125.0	128.3	137.1	152.5	158.4
Medical care.....	171.3	182.6	197.4	206.0	209.8
Entertainment.....	134.3	136.3	138.3	142.3	144.2
Other goods and services.....	175.7	189.0	200.1	209.6	216.8
Personal care.....	144.8	153.3	158.6	162.9	165.8

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**Table 14.05-- CONSUMER PRICE INDEX FOR ALL URBAN CONSUMERS (CPI-U), BY EXPENDITURE CATEGORY AND COMMODITY AND SERVICE GROUP, FOR HONOLULU: ANNUAL AVERAGES, 1991 TO 1995-- Con.**

Group	1991	1992	1993	1994	1995
All items .....	148.0	155.1	160.1	164.5	168.1
Commodities .....	134.9	138.5	141.4	142.9	145.1
Food and beverages .....	145.9	148.5	152.9	153.4	156.8
Commodities less food and beverages .....	126.1	130.5	132.1	134.5	135.8
Nondurables less food and beverages .....	127.4	133.2	136.8	138.6	139.6
Durables .....	124.4	126.5	124.9	128.2	130.0
Services .....	159.6	169.9	176.6	183.5	188.3
Medical care services .....	173.1	183.6	199.1	208.0	211.7
Special indexes:					
All items less shelter .....	139.6	145.6	150.9	155.0	158.9
All items less medical care .....	146.6	153.5	158.0	162.2	165.8
All items less energy .....	152.7	160.2	164.9	169.7	173.1
Energy .....	100.2	104.6	112.6	113.2	119.0
Commodities less food .....	127.0	131.4	133.2	135.5	136.6
Nondurables less food .....	128.6	134.3	138.0	139.8	140.3
Nondurables .....	137.7	141.6	145.7	146.8	149.1
Services less rent of shelter <sup>1/</sup> .....	150.3	160.9	171.0	179.9	186.8
Services less medical care .....	158.1	168.3	174.4	181.1	186.0

<sup>1/</sup> December 1982=100.

Source: U.S. Bureau of Labor Statistics, *CPI Detailed Report* (monthly), press releases, and printouts.

**Table 14.06-- RELATIVE IMPORTANCE OF COMPONENTS IN THE  
CONSUMER PRICE INDEX FOR HONOLULU: DECEMBER 1994**

[Percent of all items]

Group	CPI-U <u>1/</u>	CPI-W <u>2/</u>
EXPENDITURE CATEGORY		
All items .....	100.000	100.000
Food and beverages .....	19.754	20.759
Food .....	18.409	19.150
Food at home.....	12.151	12.145
Cereals and bakery products.....	1.550	1.772
Meats, poultry, fish, and eggs .....	3.420	3.703
Meats, poultry, and fish .....	3.201	3.424
Dairy products.....	.897	.836
Fruits and vegetables.....	3.367	3.083
Other foods at home .....	2.917	2.751
Food away from home .....	6.259	7.005
Alcoholic beverages.....	1.344	1.609
Housing.....	42.972	40.089
Shelter .....	32.517	30.066
Renters' costs.....	9.550	9.645
Rent, residential.....	8.071	8.632
Other renters' costs.....	1.479	1.013
Homeowners' costs.....	22.715	20.225
Owners' equivalent rent .....	22.537	20.099
Fuel and other utilities.....	4.486	4.808
Fuels .....	2.103	2.220
Fuel oil, and other household fuel .....	.023	.029
Fuel oil.....	.001	.005
Other household fuel commodities .....	.022	.024
Gas (piped) and electricity .....	2.080	2.191
Electricity .....	1.928	1.970
Utility (piped) gas .....	.152	.221
Household furnishings and operation.....	5.969	5.215
Apparel and upkeep .....	4.498	4.755
Apparel commodities .....	4.167	4.410
Men's and boys' apparel.....	1.323	1.466
Women's and girls' apparel .....	1.583	1.653
Footwear.....	.502	.565

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**Table 14.06-- RELATIVE IMPORTANCE OF COMPONENTS IN THE  
CONSUMER PRICE INDEX FOR HONOLULU: DECEMBER 1994 -- Con.**

Group	CPI-U <u>1/</u>	CPI-W <u>2/</u>
EXPENDITURE CATEGORY -- Con.		
Transportation.....	16.172	18.246
Private transportation.....	14.497	16.923
Motor fuel.....	2.900	3.551
Public transportation.....	1.674	1.323
Medical care.....	5.801	5.623
Entertainment.....	4.047	3.936
Other goods and services.....	6.758	6.591
Personal care.....	1.275	1.398
COMMODITY AND SERVICE GROUP		
All items.....	100.000	100.000
Commodities.....	40.537	43.784
Food and beverages.....	19.754	20.759
Commodities less food and beverages.....	20.784	23.025
Nondurables less food and beverages.....	13.295	14.680
Durables.....	7.489	8.344
Services.....	59.463	56.216
Medical care services.....	4.767	4.559
Special indexes:		
All items less shelter.....	67.483	69.934
All items less medical care.....	94.199	94.377
All items less energy.....	94.997	94.230
All items less food and energy.....	76.588	75.080
Energy.....	5.003	5.770
Commodities less food.....	22.128	24.634
Nondurables less food.....	14.639	16.290
Nondurables.....	33.049	35.439
Services less rent of shelter.....	27.388	26.485
Services less medical care services.....	54.696	51.657

1/ Consumer price index for all urban consumers.

2/ Consumer price index for urban wage earners and clerical workers.

Source: U.S. Bureau of Labor Statistics, printout.



**Table 14.07-- EXPENDITURES ON A CHILD FROM BIRTH TO AGE 18: 1993**

[In dollars. Data pertain to husband-wife families living in urban areas in the Western States]

Family income level	Income range	Expenditures on a child	
		18-year total	Annual average
Lower income level .....	<32,100	107,040	5,947
Middle income level .....	32,100 - 54,400	142,680	7,927
Higher income level.....	>54,400	201,570	11,198

Source: U.S. Department of Agriculture, *Family Economics Review*, Vol. 7, No. 3, 1994, p.14.

**Table 14.08-- ANNUAL INTERMEDIATE BUDGET FOR A FOUR-PERSON FAMILY ON OAHU: 1971 TO 1995**

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.....	52,139	134.1
1978.....	23,099	124.0	1991.....	55,009	136.3
1979.....	25,799	125.7	1992.....	57,345	138.8
1980.....	28,488	123.1	1993 <u>1/</u> .....	59,129	138.7
1981.....	31,893	125.5	1994 <u>1/</u> .....	59,412	135.6
1982.....	33,403	124.5	1995 <u>1/</u> .....	60,689	135.1
1983.....	33,890	124.3			

1/ Preliminary.

Source: U.S. Bureau of Labor Statistics, annual releases for 1971-1981; 1982-1995 estimates by Paul Brewbaker, Economic Department, Bank of Hawaii.

**Table 14.09-- ANNUAL INTERMEDIATE BUDGETS, BY ITEM, FOR A FOUR-PERSON FAMILY IN THE UNITED STATES AND ON OAHU: 1981 AND 1995**

[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 1995 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	1995	1981	1995	1981	1995
Total budget .....	25,409	44,922	31,893	60,689	125.5	135.1
Consumption .....	18,242	32,022	21,530	40,059	118.0	125.1
Food .....	5,843	9,315	7,626	13,150	130.5	141.2
Food at home .....	4,866	7,658	6,649	11,492	136.6	150.1
Food away from home .....	977	1,657	977	1,659	100.0	100.1
Housing .....	5,547	9,603	6,493	12,195	117.1	127.0
Homeowner shelter costs ....	4,886	8,915	5,467	10,837	111.9	121.6
Renter shelter costs .....	2,732	5,168	3,991	7,257	146.1	140.4
Housefurnishings and operations .....	1,199	1,625	1,395	2,253	116.3	138.7
Transportation .....	2,372	3,625	2,421	4,004	102.1	110.4
Clothing .....	1,333	1,846	1,432	1,803	107.4	97.7
Personal care .....	508	831	590	1,113	116.1	133.8
Medical care .....	1,443	3,821	1,590	4,085	110.2	106.9
Other family consumption <u>1/</u> ..	1,196	2,980	1,378	3,711	115.2	124.5
Other items <u>2/</u> .....	1,021	1,721	1,137	2,086	113.6	121.2
Social Security payments .....	1,703	3,483	2,049	4,554	120.3	130.8
Personal income taxes <u>3/</u> .....	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/ 1995 values based on 1992 data.

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); 1995 estimates by Paul H. Brewbaker, Economics Department, Bank of Hawaii, in "Hawaii's Cost of Living in 1990: Urban Four-Person Family Budgets at an Intermediate Standard of Living" (1991), as updated to 1995.

**Table 14.10-- COST OF LIVING INDEX FOR HILO: 1990 AND 1991**

[Hilo living costs as a percent of average costs in 308 participating urban areas]

Component	Weight (percent)		Index	
	2nd qtr. 1990	4th qtr. 1991 <u>1/</u>	2nd qtr. 1990	4th qtr. 1991 <u>1/</u>
Composite index .....	100	100	132.5	136.7
Grocery items.....	17	13	140.7	153.5
Housing.....	22	28	162.3	172.3
Utilities .....	11	9	102.0	101.2
Transportation.....	13	10	127.2	136.7
Health care.....	7	5	110.7	123.5
Miscellaneous goods and services.....	30	35	124.6	117.2

1/ Most recent quarter surveyed. Hilo discontinued its participation in this survey after the fourth quarter of 1991.

Source: American Chamber of Commerce Researchers Association (ACCRA), *Cost of Living Index* (quarterly), provided by Institute for Business and Economic Studies, University of Hawaii at Hilo.

**Table 14.11-- 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 <u>1/</u>
1	New York, N.Y. (Manhattan only) <u>2/</u> .....	132.1
2	Honolulu, Hawaii <u>2/</u> .....	120.5
3	Washington, D.C. ....	113
4	Anchorage, Alaska.....	108
5	Los Angeles, California.....	108
...	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 *Honolulu Advertiser*, November 15, 1995, p. D1.

**Table 14.12-- INDEXES OF EXECUTIVE LIVING COSTS IN SELECTED  
MAJOR CITIES WORLDWIDE: MARCH 1992**

[Honolulu = 100]

City	General index	City	General index
Honolulu.....	100	San Francisco.....	109
Chicago.....	111	Seattle.....	93
Hong Kong.....	135	Singapore.....	117
Los Angeles.....	109	Sydney.....	117
Manila.....	75	Taipei.....	153
New York.....	124	Tokyo.....	211

Source: Business International, *Business International Cost of Living* (London, 1992), report for DBED.

**Table 14.13-- COMPARATIVE PRICES OF SELECTED GOODS AND  
SERVICES, FOR HONOLULU AND TEN OTHER CITIES: 1995**

[Dollars]

Item	Honolulu	11 cities <sup>1/</sup>		
		Median	Lowest	Highest
Fast food (1 meal).....	4.33	4.84	2.69	7.20
Cigarettes (carton).....	19.88	24.65	12.13	36.56
Beer (6-pack).....	4.87	5.02	2.63	13.31
Men's jeans.....	31.63	63.73	31.63	112.51
Woman's blouse.....	32.66	47.88	32.28	139.26
Aspirin (100).....	7.82	7.82	1.78	36.57
Taxi (airport to downtown).....	19.69	16.05	1.68	39.86

<sup>1/</sup> Frankfurt, Hong Kong, Honolulu, London, Los Angeles, Mexico City, Paris, Singapore, Sydney, Tokyo, and Toronto.

Source: Runzheimer International, cited in *Honolulu Advertiser*, July 29, 1995, p. A3.

**Table 14.14-- COST OF LIVING INDEXES AND PAY DIFFERENTIALS FOR FEDERAL EMPLOYEES IN HAWAII RELATIVE TO WASHINGTON, D.C., BY COUNTIES: 1990-1993**

<b>Allowance category <sup>1/</sup></b>	<b>City and Co. of Honolulu</b>	<b>Kauai County</b>	<b>Maui County</b>	<b>Hawaii County</b>
<b>INDEXES <sup>2/</sup></b>				
"Part 1" methodology:				
Local pricing .....	120.39	116.08	119.58	104.86
Exchange and commissary ...	115.00	...	...	...
"Part 2" methodology:				
Local pricing .....	119.45	114.90	118.31	104.36
Exchange and commissary ...	114.34	...	...	...
<b>ALLOWANCE RATES <sup>3/</sup></b>				
Local retail.....	22.5	17.5	20.0	15.0
Commissary, exchange.....	12.5	17.5	...	...

<sup>1/</sup> 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.

<sup>2/</sup> Washington, D.C., living costs=100. Based on a survey of comparative costs for Federal employees in June-September 1990. Indexes were calculated by two different methods.

<sup>3/</sup> Authorized allowance rate, expressed as a percentage differential, effective February 15, 1990 and reaffirmed January 8, 1993.

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, at pp. 7902-7903; and "Cost-of-Living Allowances and Post Differentials (Nonforeign Areas); Final Rule," *Federal Register*, Vol. 57, No. 237, December 9, 1992, pp. 58123-58124.