

Section 14

PRICES

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

During 1992, the Honolulu all-items consumer price index for all urban consumers (CPI-U) averaged 155.1, with the 1982-1984 level equal to 100. The index had increased 4.8 percent over the average for 1991, 35.0 percent since 1987, and 59.6 percent since 1982. Prices have risen most rapidly since the 1982-84 base period for shelter (79.6 percent) and medical care (82.6 percent) and have dropped most rapidly for electricity (12.0 percent). The implicit price deflator for expenditures on gross state product (a measure of price changes used in the state product accounts) rose 53.7 percent between 1982 and 1992.

An "intermediate" budget for a four-person family living on Oahu was unofficially estimated at \$55,833 as of 1991. This family budget was 37.7 percent higher than the corresponding urban United States average. Differences were particularly marked for renter shelter costs (60.0 percent higher) and personal income taxes (80.5 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.

Important technical changes have been made in the consumer price index in recent years. In 1983, the basis for measuring homeowners' costs was substantially modified. In 1987, component weights based on a 1982-1984 survey replaced the older weights derived from 1972-1973 data. At the same time, the publication of the Honolulu indexes was moved from a bimonthly to a semi-annual basis. Beginning in 1988, the base period was shifted from 1967 to 1982-1984. Both the CPI-U and CPI-W have been linked by DBED to older indexes going back to 1940.

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. The American Chamber of Commerce Researchers Association (ACCRA) included Hilo in its list of participating cities for comparative living cost surveys until 1991. All of 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: 1992, Section 15. Long-term trends for Hawaii are traced in Historical Statistics of Hawaii, Section 5.

Table 410.-- IMPLICIT PRICE DEFLATOR FOR EXPENDITURES ON GROSS STATE PRODUCT: SELECTED YEARS, 1958 TO 1992

[1982 = 100]

Year	Deflator	Year	Deflator	Year	Deflator
1958 ...	34.1	1979 ...	84.0	1986 ...	114.6
1960 ...	34.4	1980 ...	89.3	1987 ...	119.8
1965 ...	37.7	1981 ...	93.3	1988 ...	124.5
1970 ...	47.3	1982 ...	100.0	1989 ...	130.8
1975 ...	63.9	1983 ...	104.2	1990 ...	138.0
1976 ...	67.5	1984 ...	108.1	1991 ...	146.2
1977 ...	71.0	1985 ...	111.7	1992 <u>1/</u>	153.7
1978 ...	77.1				

1/ Projected.

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 411.-- CONSUMER PRICE INDEX (ALL ITEMS COMBINED), BY TYPE OF CONSUMER, FOR HONOLULU: ANNUAL AVERAGES, 1940 TO 1992

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

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

Source: 1964-1991 from U.S. Bureau of Labor Statistics, CPI Detailed Report (monthly) and BLS tapes tabulated 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 412.-- CONSUMER PRICE INDEX (ALL ITEMS COMBINED), BY TYPE OF CONSUMER, FOR HONOLULU: SEMI-ANNUALLY, 1984 TO 1992

[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

Source: U.S. Bureau of Labor Statistics, CPI Detailed Report (monthly), BLS tapes tabulated by Hawaii State Data Center, and BLS press releases.

Table 413.-- PERCENT CHANGE IN SELECTED PRICE INDEXES: 1982 TO 1992

Index <u>1/</u>	1982 to 1992	1982 to 1987	1987 to 1992	1988 to 1989	1989 to 1990	1990 to 1991	1991 to 1992
Hawaii GSP deflator	53.7	19.8	28.3	5.1	5.5	5.9	5.1
Honolulu CPI-U	59.6	18.2	35.0	5.8	7.3	7.2	4.8
Honolulu CPI-W	62.4	20.7	34.5	5.6	7.1	7.2	4.7
U.S. CPI-U	45.4	17.7	23.5	4.8	5.4	4.2	3.0

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 410 and 411.

Table 414.-- CONSUMER PRICE INDEX FOR ALL URBAN CONSUMERS (CPI-U), BY EXPENDITURE CATEGORY AND COMMODITY AND SERVICE GROUP, FOR HONOLULU: ANNUAL AVERAGES, 1988 TO 1992

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

Group	1988	1989	1990	1991	1992
All items	121.7	128.7	138.1	148.0	155.1
Food and beverages	120.3	128.1	137.8	145.9	148.5
Food	120.2	128.2	138.3	145.9	148.3
Food at home	120.0	131.5	145.0	152.8	155.0
Cereals and bakery products	127.0	139.3	151.7	159.5	163.3
Meats, poultry, fish, and eggs ...	119.1	133.1	147.2	154.5	157.3
Meats, poultry, and fish	119.1	133.9	148.0	155.5	159.1
Dairy products	106.5	115.5	121.9	125.6	128.2
Fruits and vegetables	122.3	142.2	167.4	175.8	172.9
Other foods at home	122.2	123.0	128.8	138.2	143.2
Food away from home	121.0	122.2	128.0	133.6	137.8
Alcoholic beverages	121.0	126.5	131.0	144.4	151.1
Housing	123.0	131.1	141.5	152.8	161.7
Shelter	132.1	141.1	154.5	169.3	179.6
Renters' costs <u>1/</u>	133.9	143.4	158.1	174.6	185.2
Rent, residential	129.4	139.3	152.2	165.5	175.8
Other renters' costs	131.7	136.3	158.6	191.0	201.9
Homeowners' costs <u>1/</u>	136.5	147.7	160.7	175.1	185.8
Owners' equivalent rent <u>1/</u>	136.8	148.1	161.4	176.0	186.8
Fuel and other utilities	87.3	90.9	98.0	101.3	106.1
Fuels	72.6	75.7	84.1	85.6	90.0
Gas (piped) and electricity	72.1	75.1	83.6	84.9	89.4
Electricity	70.4	73.7	82.3	83.2	88.0
Utility (piped) gas	86.5	85.9	91.4	99.0	98.8
Household furnishings and operation ..	117.3	125.8	126.8	130.7	137.3
Apparel and upkeep	106.8	104.3	107.0	110.5	114.2
Apparel commodities	105.4	102.4	104.3	107.8	111.1
Men's and boys' apparel	121.2	123.8	118.6	126.7	131.8
Women's and girls' apparel	105.3	97.1	99.4	98.3	100.5
Footwear	101.2	93.0	98.2	102.5	104.7
Transportation	116.1	123.9	131.1	139.3	147.4
Private transportation	116.4	124.3	130.8	141.0	149.8
Motor fuel	95.4	101.1	108.6	113.2	117.5
Gasoline	95.3	100.7	109.1	115.1	119.6
Public transportation	112.9	119.4	132.7	125.0	128.3
Medical care	132.5	139.3	154.2	171.3	182.6
Entertainment	122.9	124.3	128.4	134.3	136.3
Other goods and services	137.1	146.1	160.4	175.7	189.0
Personal care	115.8	122.1	136.6	144.8	153.3

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Table 414.-- CONSUMER PRICE INDEX FOR ALL URBAN CONSUMERS (CPI-U), BY EXPENDITURE CATEGORY AND COMMODITY AND SERVICE GROUP, FOR HONOLULU: ANNUAL AVERAGES, 1988 TO 1992 -- Con.

Group	1988	1989	1990	1991	1992
All items	121.7	128.7	138.1	148.0	155.1
Commodities	115.5	121.6	128.1	134.9	138.5
Food and beverages	120.3	128.1	137.8	145.9	148.5
Commodities less food and beverages ..	111.8	116.4	120.2	126.1	130.5
Nondurables less food and beverages	110.1	113.8	120.8	127.4	133.2
Durables	114.9	121.0	119.7	124.4	126.5
Services	127.4	135.2	147.2	159.6	169.9
Medical care services	132.4	139.2	155.3	173.1	183.6
Special indexes:					
All items less shelter	117.7	124.0	131.7	139.6	145.6
All items less medical care	121.0	128.0	137.1	146.6	153.5
All items less energy	125.5	132.7	142.3	152.7	160.2
Energy	84.7	89.2	97.1	100.2	104.6
Commodities less food	112.1	116.8	120.7	127.0	131.4
Nondurables less food	110.7	114.6	121.3	128.6	134.3
Nondurables	115.7	121.7	130.3	137.7	141.6
Services less rent of shelter ^{1/}	123.8	130.2	140.5	150.3	160.9
Services less medical care	126.6	134.5	146.1	158.1	168.3

1/ December 1982=100.

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

Table 415.-- CONSUMER PRICE INDEX FOR URBAN WAGE EARNERS AND CLERICAL WORKERS (CPI-W), BY EXPENDITURE CATEGORY AND COMMODITY AND SERVICE GROUP, FOR HONOLULU: ANNUAL AVERAGES, 1988 TO 1992

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

Group	1988	1989	1990	1991	1992
All items	122.8	129.7	138.9	148.9	155.9
Food and beverages	121.7	129.2	138.6	146.5	149.5
Food	121.7	129.3	139.1	146.6	149.3
Food at home	121.9	133.1	146.2	154.0	156.5
Cereals and bakery products	125.4	137.7	149.9	157.4	161.1
Meats, poultry, fish, and eggs ...	124.3	138.4	153.2	160.6	163.8
Meats, poultry, and fish	124.6	139.5	154.5	162.2	166.3
Dairy products	106.5	114.6	120.5	124.1	128.7
Fruits and vegetables	123.0	140.8	162.9	171.6	168.5
Other foods at home	122.0	123.2	129.0	138.5	143.4
Food away from home	121.4	122.6	128.5	134.3	138.5
Alcoholic beverages	121.4	126.6	131.5	144.1	150.8
Housing	125.5	133.7	144.3	155.7	164.1
Shelter	136.3	145.6	159.4	174.4	184.9
Renters' costs <u>1</u> /	119.3	127.9	140.6	154.5	163.9
Rent, residential	129.4	139.3	152.2	165.5	175.8
Other renters' costs	130.7	135.2	157.2	189.0	199.3
Homeowners' costs <u>1</u> /	127.9	138.3	150.6	164.1	174.1
Owners' equivalent rent <u>1</u> /	128.1	138.7	151.1	164.7	174.8
Fuel and other utilities	87.4	91.1	98.1	101.5	106.3
Fuels	72.7	75.6	84.0	85.6	89.9
Gas (piped) and electricity	72.4	75.2	83.6	85.1	89.4
Electricity	70.4	73.7	82.3	83.2	88.0
Utility (piped) gas	86.5	85.9	91.4	99.0	98.8
Household furnishings and operation ..	118.7	126.5	127.5	132.1	135.6
Apparel and upkeep	108.2	105.2	108.1	111.9	115.6
Apparel commodities	106.9	103.5	105.5	109.3	112.6
Men's and boys' apparel	123.5	126.1	121.1	129.1	132.5
Women's and girls' apparel	107.1	98.0	100.9	100.7	103.5
Footwear	101.4	93.5	98.5	102.6	105.6
Transportation	115.7	123.7	130.2	138.6	146.7
Private transportation	115.5	123.8	129.8	139.5	147.8
Motor fuel	95.4	101.1	108.6	113.2	117.5
Gasoline	95.3	100.7	109.1	115.1	119.6
Public transportation	113.6	119.3	131.0	124.2	129.3
Medical care	131.4	138.3	153.3	170.3	182.2
Entertainment	123.6	123.5	127.9	134.1	136.5
Other goods and services	136.4	146.3	161.9	179.1	193.7
Personal care	115.7	121.9	136.3	144.4	153.2

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Table 415.-- CONSUMER PRICE INDEX FOR URBAN WAGE EARNERS AND CLERICAL WORKERS (CPI-W), BY EXPENDITURE CATEGORY AND COMMODITY AND SERVICE GROUP, FOR HONOLULU: ANNUAL AVERAGES, 1988 TO 1992 -- Con.

Group	1988	1989	1990	1991	1992
All items	122.8	129.7	138.9	245.9	155.9
Commodities	116.8	122.8	129.2	136.3	140.0
Food and beverages	121.7	129.2	138.6	146.5	149.5
Commodities less food and beverages ..	113.3	118.1	122.2	128.7	133.0
Nondurables less food and beverages	110.1	113.8	121.2	128.6	134.4
Durables	117.8	124.3	123.2	128.0	129.9
Services	129.5	137.5	149.6	162.5	172.9
Medical care services	131.3	138.2	154.6	172.5	183.7
Special indexes:					
All items less shelter	118.2	124.2	131.9	140.1	146.0
All items less medical care	122.2	129.1	138.1	147.7	154.5
All items less energy	126.9	134.0	143.5	154.1	161.4
Energy	85.7	90.3	98.1	101.4	105.8
Commodities less food	113.6	118.4	122.6	129.4	133.9
Nondurables less food	110.8	114.7	121.8	129.6	135.5
Nondurables	116.7	122.5	131.0	138.7	142.9
Services less rent of shelter ^{1/}	115.0	121.0	130.5	140.2	150.1
Services less medical care	129.1	137.1	148.9	161.3	171.6

^{1/} December 1984=100.

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

Table 416.-- RELATIVE IMPORTANCE OF COMPONENTS IN THE CONSUMER
PRICE INDEX FOR HONOLULU: DECEMBER 1991

[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	20.449	21.550
Food	19.021	19.848
Food at home	12.758	12.870
Cereals and bakery products	1.701	1.946
Meats, poultry, fish, and eggs	4.289	4.627
Meats, poultry, and fish	4.039	4.312
Dairy products .....	.938	.872
Fruits and vegetables	3.153	2.907
Other foods at home	2.678	2.518
Food away from home	6.263	6.978
Alcoholic beverages	1.428	1.702
Housing	42.757	39.849
Shelter	32.696	30.124
Renters' costs	9.575	9.627
Rent, residential	8.081	8.602
Other renters' costs	1.494	1.024
Homeowners' costs	22.939	20.330
Owners' equivalent rent	22.756	20.201
Fuel and other utilities	4.096	4.382
Fuels	1.870	1.978
Fuel oil, coal, and bottled gas .....	.021	.026
Fuel oil .....	.001	.004
Other household fuel, commodities ..	.020	.022
Gas (piped) and electricity	1.848	1.952
Electricity	1.681	1.710
Utility (piped) gas .....	.168	.243
Household furnishings and operation	5.965	5.343
Apparel and upkeep	4.554	4.773
Apparel commodities	4.237	4.441
Men's and boys'	1.235	1.359
Women's and girls'	1.686	1.741
Footwear .....	.557	.617

Table 416.-- RELATIVE IMPORTANCE OF COMPONENTS IN THE CONSUMER
PRICE INDEX FOR HONOLULU: DECEMBER 1991 -- Con.

Group	CPI-U <u>1/</u>	CPI-W <u>2/</u>
EXPENDITURE CATEGORY -- Con.		
Transportation	16.292	18.396
Private	14.784	17.233
Motor fuel	2.979	3.632
Public	1.507	1.163
Medical care	5.348	5.079
Entertainment	4.203	4.062
Other goods and services	6.396	6.292
Personal care	1.289	1.409
COMMODITY AND SERVICE GROUP		
All items	100.000	100.000
Commodities	41.969	45.451
Food and beverages	20.449	21.550
Commodities less food and beverages	21.520	23.901
Nondurables less food and beverages	13.556	14.919
Durables	7.964	8.982
Services	58.031	54.549
Medical care services	4.420	4.126
Special indexes:		
All items less shelter	67.304	69.876
All items less medical care	94.652	94.921
All items less energy	95.151	94.390
Energy	4.849	5.610
Commodities less food	22.948	25.603
Nondurables less food	14.984	16.621
Nondurables	34.005	36.469
Services less rent of shelter	25.712	24.733
Services less medical care	53.611	50.422

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 417.-- ANNUAL INTERMEDIATE BUDGET FOR A FOUR-PERSON FAMILY
ON OAHU: 1971 TO 1991

Year	Dollars	Percent of urban U.S.	Year	Dollars	Percent of urban U.S.
1971	13,108	119.5	1982	33,403	124.5
1972	13,617	119.0	1983	33,890	124.3
1973	14,937	118.3	1984	35,484	124.4
1974	17,019	118.8	1985	36,926	122.7
1975	18,107	117.0	1986	38,437	123.2
1976	19,036	117.2	1987	41,790	126.7
1977	20,883	122.1	1988	44,414	129.2
1978	23,099	124.0	1989	47,950	130.7
1979	25,799	125.7	1990	52,139	134.1
1980	28,488	123.1	1991	55,833	137.7
1981	31,893	125.5			

Source: U.S. Bureau of Labor Statistics, annual releases for 1971-1981; 1982-1991 estimates by Paul Brewbaker, Economics Department, Bank of Hawaii.

Table 418.-- ANNUAL INTERMEDIATE BUDGETS, BY ITEM, FOR A FOUR-PERSON FAMILY IN THE UNITED STATES AND ON OAHU: 1981 AND 1991

[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 1990 values are 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	1991	1981	1991	1981	1991
Total budget	25,409	40,544	31,893	55,833	125.5	137.7
Consumption	18,242	28,281	21,530	36,159	118.0	127.8
Food	5,843	8,449	7,626	12,203	130.5	144.4
Food at home	4,866	6,966	6,649	10,728	136.6	154.0
Food away from home.....	977	1,482	977	1,475	100.0	99.5
Housing	5,547	8,546	6,493	11,481	117.1	134.3
Homeowner shelter costs ..	4,886	7,840	5,467	10,260	111.9	130.9
Renter shelter costs	2,732	4,574	3,991	7,320	146.1	160.0
Housefurnishings and operations	1,199	1,522	1,395	1,956	116.3	128.5
Transportation	2,372	3,152	2,421	3,524	102.1	111.8
Clothing	1,333	1,801	1,432	1,674	107.4	92.9
Personal care	508	766	590	976	116.1	127.4
Medical care	1,443	3,082	1,590	3,330	110.2	108.0
Other family consumption <u>1/</u>	1,196	2,485	1,378	2,971	115.2	119.6
Other items <u>2/</u>	1,021	1,530	1,137	1,835	113.6	119.9
Social Security payments	1,703	3,322	2,049	4,460	120.3	134.3
Personal income taxes	4,443	7,412	7,177	13,378	161.5	180.5

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

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

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); 1991 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 1991.

Table 419.-- 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 420.-- 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 421.-- COST OF LIVING INDEXES AND PAY DIFFERENTIALS FOR FEDERAL EMPLOYEES IN HAWAII RELATIVE TO WASHINGTON, D.C., BY COUNTIES: 1990-1993

Allowance category <u>1/</u>	City and Co. of Honolulu	Kauai County	Maui County	Hawai i County
INDEXES <u>2/</u>				
"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	...	...	...
ALLOWANCE RATES <u>3/</u>				
Local retail	22.5	17.5	20.0	15.0
Commissary, exchange	12.5	17.5	...	...

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/ 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.

3/ 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.

Table 422.-- COST OF FOOD AT HOME IN HONOLULU RELATIVE
TO U.S. CITY AVERAGE: 1973 TO 1989

Index name and year	Honolulu index <u>1/</u>	Honolulu rank <u>2/</u>
Sherwood, 1973	116.1	2
Updated Sherwood, 1988	141.3	1
Interarea price index, 1988-1989	139.0	1

1/ 25-city average = 100.

2/ Among 25 major cities.

Source: U.S. Bureau of Labor Statistics, "New research on interarea consumer price differences," Monthly Labor Review, July 1991, pp. 31-34.

Table 423.-- EXPENDITURES ON A CHILD FROM BIRTH TO AGE 18: 1991

[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	<31,200	95,460	5,303
Middle income level	31,200-50,500	129,930	7,218
Higher income level	>50,500	178,620	9,923

Source: U.S. Department of Agriculture, Family Economics Review, Vol. 5, No. 1, March 1992; pp. 33-35.