

Section 13

INCOME, EXPENDITURES, AND WEALTH

This section presents statistics on two different aspects of income and expenditures, one relating to the state income and product system and the other to the distribution of income to families, households and individuals. Specifically, information is given on gross state product, income by industry, personal, family and household income, poverty, personal wealth, and family expenditures. Data on wage rates, salaries, and earnings appear in Sections 3, 9, 12, and 22; on industrial payrolls, in Sections 12, 15, and 20 through 23; on the family income of visitors, in Section 7; on retirement payments and public assistance, in Sections 10 and 11; on taxable income, in Section 9.

Gross state product in 1986 was about \$18 billion. The major sources of outside income to Hawaii in 1987 were defense expenditures (\$1.9 billion), pineapple production (\$252 million), sugar production (\$336 million), and visitor expenditures (\$6.6 billion). Personal income in 1987 was \$17.0 billion, compared with \$7.2 billion only ten years earlier, and per capita personal income was \$15,700, almost twice the 1977 level. The per capita figure for Hawaii was slightly above the national average, but not high enough to compensate for the Islands' much higher cost of living. The median annual income of families, based on data for 1987, was \$39,000; for unrelated individuals, the median was \$14,900. The official poverty threshold for a 4-person family in Hawaii was set in February 1988 at \$13,400. The most recent family expenditure survey, taken in 1984 and 1985, reported that the largest items in the family budget on Oahu were housing (accounting for 27.9 percent of total spending), transportation (18.9 percent), and food (17.5 percent). Top wealthholders in 1982 included 20,300 persons with assets of \$325,000 or more and 1,400 millionaires.

The chief sources of data shown in this section are the U.S. Bureau of Economic Analysis, U.S. Bureau of the Census, U.S. Bureau of Labor Statistics, U.S. Department of Health and Human Services, Internal Revenue Service, Hawaii Agricultural Statistics Service, Hawaii State Department of Business and Economic Development, and Hawaii Visitors Bureau. Sections 6 and 7 of Historical Statistics of Hawaii present data for earlier years. Comparable data for the country as a whole are given in Statistical Abstract of the United States: 1988, Section 14.

Table 398.-- DIRECT INCOME FROM MAJOR EXPORT INDUSTRIES: 1970 TO 1987

[In millions of dollars]

Year	Total for four major industries	Value of production		Defense expenditures <u>2/</u>	Visitor expenditures <u>3/</u>
		Raw sugar and molasses <u>1/</u>	Fresh and processed pineapple		
1970 ...	1,561	187.8	138.6	639.4	595
1971 ...	1,758	202.9	141.4	708.8	705
1972 ...	1,914	184.7	145.4	744.2	840
1973 ...	2,226	222.2	142.4	840.9	1,020
1974 ...	2,927	676.6	127.1	897.9	1,225
1975 ...	2,846	366.1	136.7	982.8	1,360
1976 ...	3,076	257.0	144.5	1,034.2	1,640
1977 ...	3,320	226.8	161.6	1,086.6	1,845
1978 ...	3,750	285.2	162.8	1,155.5	2,146
1979 ...	4,311	345.7	206.4	1,221.8	2,537
1980 ...	5,013	594.1	226.5	1,317.4	2,875
1981 ...	5,195	327.9	217.6	1,449.3	3,200
1982 ...	5,951	351.5	206.0	1,693.4	3,700
1983 ...	6,451	410.2	219.0	1,848.2	3,974
1984 ...	7,092	393.0	249.6	1,867.2	4,582
1985 ...	7,429	340.8	222.5	1,965.4	4,900
1986 ...	7,935	361.9	238.4	1,784.9	5,550
1987 ...	9,043	335.9	251.4	1,855.7	6,600

1/ Excludes government sugar support payments.

2/ Does not include military retired pay, Hawaii National Guard expenditures, or U.S. Army Corps of Engineers contracts. Data for 1986 and 1987 are partly estimated.

3/ Direct visitor expenditures in Hawaii, exclusive of trans-pacific transportation and expenditures of carriers and crews.

Source: Hawaii Agricultural Statistics Service, Statistics of Hawaiian Agriculture (annual) and records; data supplied to DBED by armed forces; Hawaii Visitors Bureau, 1987 Westbound Visitors to Hawaii, table 1.

Table 399.-- GROSS STATE PRODUCT AND PER CAPITA GROSS STATE PRODUCT: 1958 TO 1988

Year	Gross state product		Per capita gross state product	
	Millions of current dollars	Millions of 1982 dollars	Current dollars	1982 dollars
1958	1,415.0	4,152.3	2,337	6,859
1959	1,572.5	4,632.4	2,528	7,447
1960	1,805.1	5,248.1	2,814	8,181
1961	1,886.5	5,250.0	2,864	7,970
1962	1,965.8	5,471.0	2,876	8,004
1963	2,101.8	5,606.2	3,081	8,217
1964	2,301.3	6,167.5	3,288	8,813
1965	2,530.4	6,714.3	3,595	9,540
1966	2,771.4	7,083.5	3,902	9,972
1967	2,990.0	7,329.4	4,138	10,144
1968	3,344.5	7,932.5	4,554	10,800
1969	3,952.3	8,905.6	5,268	11,871
1970	4,414.0	9,324.6	5,720	12,084
1971	4,773.8	9,806.5	5,955	12,233
1972	5,305.4	10,464.5	6,405	12,633
1973	6,009.3	10,982.4	7,057	12,896
1974	6,901.7	10,948.5	7,951	12,614
1975	7,411.3	11,596.6	8,363	13,086
1976	7,933.4	11,746.4	8,774	12,991
1977	8,597.4	12,103.3	9,363	13,181
1978	9,627.6	12,482.9	10,335	13,400
1979	10,906.4	12,972.1	11,441	13,608
1980	12,225.7	13,690.5	12,619	14,131
1981	13,078.3	14,022.5	13,343	14,306
1982	13,691.0	13,691.0	13,725	13,725
1983	14,811.8	14,210.0	14,541	13,950
1984	15,826.5	14,637.0	15,276	14,128
1985	16,813.8	15,046.4	15,991	14,310
1986 ^{1/}	17,995.8	15,703.1	16,902	14,749
1987 ^{1/}	19,779.5	16,516.3	18,272	15,258
1988 ^{2/}	21,280.2	17,004.3	19,346	15,458

^{1/} Preliminary.

^{2/} Forecast.

Source: Follows table 405.

Table 400.-- EXPENDITURES ON GROSS STATE PRODUCT: 1986 TO 1988

[In millions of dollars]

Item	1986 <u>1/</u>	1987 <u>1/</u>	1988 <u>2/</u>
Gross state product	17,995.8	19,779.5	21,280.2
Personal consumption expenditures <u>3/</u>	11,365.5	12,345.0	13,310.7
Goods	8,189.8	8,897.3	9,594.8
Durables	2,353.9	2,565.8	2,774.6
Non durables	5,835.9	6,331.6	6,820.2
Services	3,175.7	3,447.7	3,715.8
Gross private domestic investment	2,079.1	2,531.1	2,989.6
Fixed investment	2,013.4	2,459.7	2,832.6
Non-residential	1,399.7	1,661.6	1,890.6
Structures	705.4	775.9	945.8
Producers' durable equipment	694.3	885.7	944.8
Residential	613.7	798.1	942.0
Change in business inventories	65.7	71.4	77.0
Government purchases of goods and services	5,981.3	6,403.6	6,887.7
State and local	2,735.2	2,974.1	3,219.1
Compensation of employees	1,501.5	1,629.8	1,756.2
Purchase from business	1,233.8	1,344.4	1,462.9
Other current expenditures and equipment	936.5	1,007.9	1,100.3
Construction	297.3	338.9	362.6
Federal	3,246.1	3,429.5	3,668.7
Defense	2,963.0	3,133.9	3,356.7
Non-defense	283.1	295.6	311.9
Net exports	-1,412.6	-1,513.0	-1,612.8
Exports	9,261.6	10,376.9	11,411.2
Commodities	1,389.8	1,445.3	1,503.2
Services and income from investments	2,349.8	2,507.5	2,713.2
Visitor and crew expenditures	5,522.0	6,424.0	7,194.9
Less: Imports	10,674.2	11,889.9	13,833.0
Commodities	7,693.0	8,567.9	9,392.3
Services and income from investments	2,661.0	2,978.6	3,272.3
Out-of-state expenditures of Hawaii residents ..	320.2	343.3	368.5
Discrepancy and omissions	-17.5	12.8	-206.1

1/ Preliminary.

2/ Forecast.3/ Purchases by Hawaii residents.Source follows table 405.

Table 401.-- EXPENDITURES ON GROSS STATE PRODUCT (1982 DOLLARS):
1986 TO 1988

Item	1986 <u>1/</u>	1987 <u>1/</u>	1988 <u>2/</u>
Gross state product (millions of 1982 dollars)	15,703.1	16,516.3	17,004.3
Percent change	4.4	5.2	3.0
Implicit price deflator	114.6	119.8	125.1
Percent change	2.6	4.5	4.5

1/ Preliminary.

2/ Forecast.

Source follows table 405.

Table 402.-- CHARGES AGAINST GROSS STATE PRODUCT: 1986 TO 1988

[In millions of dollars]

Item	1986 <u>1/</u>	1987 <u>1/</u>	1988 <u>2/</u>
Compensation of employees	11,713.4	12,804.0	13,737.0
Wage and salary disbursements	9,757.5	10,663.0	11,431.6
Supplements to wages and salaries	1,955.9	2,141.0	2,305.4
Employer contributions for social insurance .	1,129.3	1,227.5	1,318.1
State and local government programs	203.5	221.7	245.4
Federal government programs	925.9	1,005.8	1,072.8
Other labor income	826.6	913.5	987.3
Proprietors' income	1,205.8	1,400.0	1,526.1
Rental income of persons and net interest	1,655.0	1,716.9	1,895.1
Corporate profits before tax	695.3	801.7	844.7
Profits tax	236.7	288.9	315.0
State and local tax	46.6	67.3	67.3
Federal tax	190.1	221.6	247.7
Profits after tax	458.6	512.8	529.7
Dividends	313.9	332.5	344.3
Undistributed profits	144.7	180.2	185.5
Net state income	15,269.5	16,722.6	18,007.3
Business transfer payments	98.3	109.5	118.7
Indirect business tax and non-tax, state and local	1,444.2	1,703.1	1,856.4
Less: Subsidies less current surplus of state and local government enterprises	-20.8	-22.2	-23.5
Indirect business tax and non-tax, Federal	80.1	83.4	87.2
Less: Subsidies less current surplus of Federal government enterprises	-88.1	-95.0	-101.7
Net state product	17,001.0	18,735.8	20,194.8
Capital consumption allowances	994.8	1,043.7	1,085.4
Gross state product	17,995.8	19,779.5	21,280.2

1/ Preliminary.2/ Forecast.

Source follows table 405.

Table 403.-- RESIDENT PERSONAL CONSUMPTION EXPENDITURES: 1986 TO 1988

[In millions of dollars]

Item	1986 <u>1/</u>	1987 <u>1/</u>	1988 <u>2/</u>
Personal consumption expenditures	11,365.5	12,345.0	13,310.7
Food, alcoholic beverages and tobacco	2,614.5	2,856.9	3,077.4
Clothing, accessories and jewelry	521.8	571.2	616.2
Personal care	109.9	120.1	129.3
Housing	1,949.6	2,132.4	2,299.1
Household operation	1,213.3	1,328.7	1,433.8
Medical care	1,220.6	1,335.1	1,439.5
Personal business	1,017.0	1,038.6	1,119.8
Transportation	1,289.4	1,413.5	1,526.5
Recreation	827.1	906.2	978.3
Private education and research	132.1	134.9	145.5
Religious and welfare activities	150.0	164.1	176.8
Out-of-State expenditures of residents	320.2	343.3	368.5

1/ Preliminary.

2/ Forecast.

Source follows table 405.

Table 404.-- HAWAII'S EXPORTS AND IMPORTS OF GOODS AND SERVICES:
1986 TO 1988

[In millions of dollars]

Classification	1986 <u>1/</u>	1987 <u>1/</u>	1988 <u>2/</u>
Hawaii's exports of goods and services	9,261.6	10,376.9	11,411.2
Merchandise exports	1,389.8	1,445.3	1,503.2
Primary	511.8	501.0	508.0
Sugar and molasses	321.5	300.8	295.0
Pineapple	190.3	200.2	213.0
Secondary	165.1	161.1	170.1
Garments	50.0	45.0	47.2
Canned tuna	8.0	(NA)	(NA)
Flowers	27.0	30.0	31.0
Papaya	11.6	14.9	16.0
Macadamia nuts and coffee	38.3	38.6	41.0
All other agriculture	30.2	32.6	34.9
Miscellaneous	712.9	783.2	825.0
Other processed foods and feeds	25.0	26.3	28.1
Fuels and petroleum products	164.0	178.3	191.6
All other	523.9	578.7	605.3
Services and income from investments	2,349.8	2,507.5	2,713.2
Visitors and crew expenditures	5,522.0	6,424.0	7,194.9
Hawaii's imports of goods and services	10,674.2	11,889.9	13,833.0
Merchandise imports	7,693.0	8,567.9	9,392.3
Domestic	6,098.0	6,657.0	7,122.0
Domestic, waterborne	5,800.0	6,350.0	6,800.0
Domestic, airborne	298.0	307.0	322.0
Foreign, total	1,595.0	1,910.9	2,270.3
Services and income from investments	2,661.0	2,978.6	3,272.3
Out-of-State expenditures by Hawaii residents	320.2	343.3	368.5

1/ Preliminary.

2/ Forecast.

Source follows table 405.

Table 405.-- SUMMARY OF GOVERNMENT ACCOUNTS, STATE AND LOCAL,
AND FEDERAL: 1986 TO 1988

[In millions of dollars]

Item	1986 <u>1/</u>	1987 <u>1/</u>	1988 <u>2/</u>
Total revenues, State and local	3,252.5	3,679.3	4,073.2
State and local tax and non-tax	2,715.6	3,162.8	3,536.6
Personal tax and non-tax	932.6	1,082.7	1,299.2
Corporate profits tax	46.6	67.3	67.3
Indirect business tax and non-tax	1,444.2	1,703.1	1,856.4
Contributions to social insurance programs ...	292.2	309.7	313.7
Federal grants-in-aid	536.9	516.5	536.6
Total expenditures, State and local	2,890.1	3,192.5	3,469.3
Purchases of goods and services	2,735.2	2,974.1	3,219.1
Transfer payments to persons	308.4	325.4	353.7
Net interest paid	(-132.7)	(-84.8)	(-80.0)
Interest paid (by government)	236.4	248.9	250.0
Less: Interest received (by government)	369.1	333.7	330.0
Subsidies less current surplus of gov. ent. <u>1/</u> .	-20.8	-22.2	-23.5
Surplus or deficit (-), State & local	362.4	486.8	603.9
Total revenues, Federal	5,493.4	5,748.0	6,164.7
Federal tax and non-tax revenues	2,414.7	2,602.9	2,811.2
Personal tax and non-tax	565.5	632.1	665.6
Corporate profits tax	190.1	221.6	247.7
Indirect business tax and non-tax	80.1	83.4	87.2
Contributions for social insurance programs ..	1,579.0	1,665.8	1,810.7
Transfers from Federal gov. in Washington, D.C.	3,078.7	3,145.1	3,353.5
Total expenditures, Federal	5,493.4	5,748.0	6,164.7
Purchases of goods and services	3,246.1	3,429.5	3,668.7
Transfer payments to persons	1,784.2	1,882.3	2,046.1
Grants-in-aid to State and local government	536.9	516.5	536.6
Net interest paid (to persons)	14.3	14.7	15.0
Subsidies less current surplus of gov. ent.	-88.1	-95.0	-101.7

1/ Preliminary.

2/ Forecast.

Source: Hawaii State Department of Business and Economic Development,
Hawaii Gross State Product Accounts: 1958 to 1985; Preliminary Estimates:
1986 and 1987; Forecasts: 1988 (1988).

Table 406.-- INCOME PROJECTIONS: 1985 TO 2010

[Constant 1982 dollars. Series M-K projections, developed by DBED]

Year	Gross State product (billions)	Personal income (billions)	Per capita personal income (dollars)
1985	15.1	13.0	12,400
1990	18.3	15.5	13,600
1995	21.7	18.0	14,700
2000	24.7	20.1	15,600
2005	27.5	21.9	16,200
2010	30.4	24.1	16,800

Source: Hawaii State Department of Business and Economic Development, forthcoming report.

Table 407.-- PERSONAL INCOME PROJECTIONS, TOTAL AND PER CAPITA, BY COUNTIES: 1990, 2000, AND 2010

[Series M-K projections developed by DBED]

Subject	Total personal income (millions of 1982 dollars)			Per capita personal income (1982 dollars)		
	1990	2000	2010	1990	2000	2010
State total	15,509.1	20,094.0	24,122.1	13,600	15,600	16,800
Honolulu	12,355.6	15,408.1	17,785.6	14,300	16,500	17,800
Hawaii	1,327.6	1,964.9	2,811.8	10,700	12,300	13,600
Kauai	629.7	945.3	1,276.9	11,600	13,900	15,100
Maui	1,196.3	1,775.7	2,247.7	12,400	14,300	15,500

Source: Hawaii State Department of Business and Economic Development, forthcoming report.

Table 408.-- TOTAL AND PER CAPITA PERSONAL INCOME AND
DISPOSABLE PERSONAL INCOME: 1960 TO 1987

[Revised from Data Book 1987, table 413]

Year	Personal income (millions of dollars)		Per capita personal income (dollars)		Per capita personal income as percent of U.S. average	
	Total	Disposable	Total	Disposable	Total	Disposable
1960 ...	1,466	1,253	2,350	2,008	104	101
1961 ...	1,584	1,349	2,464	2,097	107	103
1962 ...	1,695	1,465	2,595	2,244	107	105
1963 ...	1,806	1,566	2,692	2,334	107	106
1964 ...	1,962	1,726	2,894	2,545	109	108
1965 ...	2,153	1,903	3,085	2,726	109	108
1966 ...	2,359	2,054	3,385	2,946	111	109
1967 ...	2,565	2,232	3,624	3,152	112	111
1968 ...	2,874	2,472	3,998	3,438	114	112
1969 ...	3,277	2,747	4,411	3,698	116	114
1970 ...	3,772	3,191	4,944	4,182	122	120
1971 ...	4,060	3,478	5,129	4,394	119	118
1972 ...	4,473	3,780	5,468	4,620	117	116
1973 ...	4,967	4,204	5,901	4,993	114	112
1974 ...	5,702	4,861	6,645	5,665	118	117
1975 ...	6,159	5,374	7,038	6,141	116	116
1976 ...	6,670	5,783	7,474	6,480	112	113
1977 ...	7,210	6,213	7,873	6,784	108	108
1978 ...	8,043	6,898	8,660	7,427	106	107
1979 ...	9,031	7,711	9,506	8,116	105	106
1980 ...	10,279	8,776	10,617	9,065	107	108
1981 ...	11,051	9,418	11,275	9,608	103	104
1982 ...	11,732	10,213	11,760	10,238	102	105
1983 ...	12,875	11,100	12,641	10,898	104	105
1984 ...	13,628	11,886	13,157	11,475	100	102
1985 ...	14,576	12,593	13,867	11,980	100	101
1986 ...	15,634	13,505	14,683	12,684	101	102
1987 ...	16,972	14,571	15,679	13,461	101	102

Source: U.S. Department of Commerce, Bureau of Economic
Analysis, diskettes dated August 1988.

Table 409.-- PER CAPITA PERSONAL INCOME IN CURRENT AND CONSTANT DOLLARS: 1970 AND 1987

Subject	Value	Subject	Value
Per capita personal income: <u>1/</u>		Percent increase, 1970-87: <u>3/</u>	
1970	4,944	Current dollars	217.1
1987	15,679	Constant dollars	12.9
In 1970 dollars <u>2/</u>	5,581		
Percent of U.S. average:		Rank: <u>4/</u>	
1970	122.0	1970	4
1987	101.3	1987	15
		Percent increase	51

1/ In dollars. U.S. values were \$4,051 in 1970 and \$15,481 in 1987 (\$5,288 in 1970 dollars).

2/ Based on Honolulu CPI-W for 1970 (40.9) and CPI-U for 1987 (114.9).

3/ U.S. increases were 282.2 percent in current dollars and 30.5 percent in constant dollars).

4/ Among 50 States and D.C.

Source: U.S. Department of Commerce, Bureau of Economic Analysis, diskettes dated August 1988. Constant dollar values calculated by DBED.

Table 410.-- PERSONAL INCOME: QUARTERLY, 1983 TO 1988

[In millions of dollars. Seasonally adjusted at annual rates]

Quarter	1983	1984	1985	1986	1987	1988
First	12,538	13,374	14,241	15,138	16,189	17,373
Second	12,756	13,620	14,424	15,415	16,435	(NA)
Third	12,819	13,723	14,638	15,742	16,775	(NA)
Fourth	13,388	13,796	14,917	15,991	17,265	(NA)

NA Not available.

Source: U.S. Bureau of Economic Analysis, Survey of Current Business, April 1988, pp. 72-73, and printouts.

Table 411.-- PERSONAL INCOME BY MAJOR SOURCES: 1982 TO 1987

[In millions of dollars. Revised from Data Book 1987, table 416]

Item	1982	1983	1984	1985	1986	1987
Labor and proprietors income						
By type:						
Wage and salary disbursements ..	7,646	8,114	8,584	9,183	9,781	10,669
Other labor income	641	701	752	759	842	941
Proprietors income	667	938	937	1,050	1,214	1,309
Farm	84	215	115	109	146	159
Nonfarm	582	723	822	941	1,067	1,150
By industry:						
Farm	242	367	267	260	298	321
Nonfarm	8,712	9,385	10,005	10,732	11,538	12,599
Private	5,841	6,345	6,780	7,300	8,013	8,933
Government and govt. enterprises	2,871	3,040	3,225	3,432	3,525	3,666
Federal, civilian	797	859	919	966	950	990
Federal military	1,041	1,094	1,175	1,274	1,299	1,325
State and local	1,034	1,087	1,131	1,192	1,277	1,351
Derivation of personal income						
Labor and proprietors income	8,954	9,753	10,272	10,991	11,836	12,919
Less: Personal contributions for social insurance	561	586	626	678	716	778
Net labor and proprietors income .	8,393	9,166	9,646	10,313	11,120	12,141
Plus: Dividends, interest, and rent	1,648	1,837	2,049	2,189	2,319	2,506
Plus: Transfer payments	1,691	1,872	1,933	2,074	2,195	2,326
Personal income	11,732	12,875	13,628	14,576	15,634	16,972

Source: U.S. Department of Commerce, Bureau of Economic Analysis, diskettes dated August 1988.

Table 412.-- TOTAL PERSONAL INCOME, BY COUNTIES: 1969 TO 1986

[Millions of dollars]

Year	State total	City and County of Honolulu	Other counties			
			Total	Hawaii	Kauai	Maui and Kalawao
1969	3,277.4	2,782.4	494.9	219.0	112.1	163.8
1970	3,771.8	3,194.4	577.4	262.3	121.2	193.9
1971	4,059.7	3,419.9	639.8	292.6	133.2	214.0
1972	4,473.3	3,772.3	701.1	322.6	142.6	235.8
1973	4,967.5	4,193.1	774.4	356.3	157.7	260.4
1974	5,702.4	4,630.5	1,071.9	497.9	219.3	354.8
1975	6,159.0	5,090.3	1,068.7	489.0	207.8	371.9
1976	6,669.7	5,521.6	1,148.0	513.0	220.5	414.6
1977	7,209.5	5,939.9	1,269.6	564.3	240.9	464.3
1978	8,043.1	6,618.5	1,424.6	636.0	273.2	515.3
1979	9,030.9	7,395.5	1,635.4	724.4	313.0	598.0
1980	10,279.2	8,293.1	1,986.2	901.3	374.4	710.5
1981	11,051.4	9,039.9	2,011.4	895.8	378.3	737.3
1982	11,731.7	9,570.6	2,161.1	948.9	406.6	805.7
1983	12,875.3	10,396.3	2,479.0	1,080.7	462.7	935.5
1984	13,627.9	11,063.9	2,564.0	1,117.3	471.7	975.1
1985	14,555.0	11,792.0	2,763.1	1,186.8	513.0	1,063.3
1986	15,571.5	12,561.5	3,010.0	1,288.9	560.8	1,160.3

Source: U.S. Department of Commerce, Bureau of Economic Analysis, printout dated April 1988.

Table 413.-- PER CAPITA PERSONAL INCOME, BY COUNTIES: 1969 TO 1986

[Dollars]

Year	State total	City and County of Honolulu	Other counties			
			Total	Hawaii	Kauai	Maui and Kalawao
1969	4,411	4,611	3,548	3,470	3,732	3,530
1970	4,944	5,121	4,148	4,127	4,091	4,217
1971	5,129	5,402	4,037	3,980	4,007	4,133
1972	5,468	5,674	4,573	4,614	4,476	4,580
1973	5,901	6,132	4,899	4,890	4,847	4,942
1974	6,645	6,634	6,695	6,738	6,739	6,611
1975	7,038	7,191	6,392	6,333	6,241	6,563
1976	7,474	7,702	6,544	6,374	6,341	6,890
1977	7,873	8,082	7,022	6,831	6,803	7,398
1978	8,660	8,938	7,566	7,425	7,444	7,814
1979	9,506	9,816	8,318	8,133	8,234	8,600
1980	10,617	10,854	9,727	9,682	9,499	9,916
1981	11,275	11,765	9,501	9,232	9,308	9,944
1982	11,760	12,292	9,868	9,472	9,703	10,477
1983	12,640	13,107	10,993	10,526	10,764	11,724
1984	13,154	13,805	10,934	10,438	10,691	11,688
1985	13,842	14,538	11,494	10,835	11,304	12,440
1986	14,658	15,380	12,256	11,533	12,107	13,254

Source: U.S. Department of Commerce, Bureau of Economic Analysis, printout dated April 1988.

Table 414.-- UNREPORTED OR ILLEGAL INCOME: 1981

[In millions of dollars. Data are rough estimates of income from the "underground economy," based in part on estimated national ratios of unreported to reported income. For greater detail, see source or Data Book 1984, table 284]

Source	Amount
All sources	1,160.3
Percent of reported personal income	10.7
Income hidden to avoid taxes	569.1
Income from illegal transfers	56.0
Income from production and distribution of illegal goods ...	445.6
Income from illegal services	58.0
Other illegal income	31.6

Source: Linda Kephart, "Business booms 'off-the-books,'" Hawaii Business, March 1984, p. 69.

Table 415.-- ESTIMATED DECILE DISTRIBUTIONS OF FAMILY INCOMES, BY COUNTIES: 1979 AND 1988

[Data refer to calendar year 1979 and fiscal year 1988]

County	1st decile		5th decile (median) 1/		9th decile	
	1979	1988	1979	1988	1979	1988
Honolulu	7,569	11,729	23,553	36,500	49,866	77,277
Hawaii	5,975	8,994	19,131	28,800	42,778	64,398
Kauai	7,089	10,694	20,881	31,500	42,150	63,585
Maui	7,216	10,866	22,578	34,000	48,653	73,266

1/ The U.S. median was \$19,917 in 1979 and \$32,400 in 1988.

Source: U.S. Department of Housing and Urban Development, Office of Economic Affairs, Economic and Market Analysis Division, "Estimated median family incomes for Fiscal Year 1988," memorandum dated January 15, 1988.

Table 416.-- MEDIAN INCOME OF HOUSEHOLDS, FAMILIES, UNRELATED INDIVIDUALS, AND PERSONS: 1949 TO 1987

[In dollars. Based on censuses or surveys made in March or April of following year. Data for 1980-1987 are taken from small samples (averaging 559 households annually) and thus are subject to considerable sampling variation]

Year	Households	Families	Unrelated individuals with income <u>1/</u>	Persons with income <u>1/</u>	
				Male	Female
1949	(NA)	3,568	1,583	2,340	1,247
1959	(NA)	6,366	1,998	3,753	1,796
1969	10,675	11,664	2,981	6,528	3,222
1975	15,991	17,770	6,180	9,489	4,082
1979	20,473	22,750	7,097	11,505	6,581
1980	21,666	24,813	8,506	13,533	6,917
1981	22,434	27,499	10,003	13,635	7,069
1982	23,582	27,840	11,068	13,582	8,133
1983	26,805	29,742	12,211	14,903	7,941
1984	28,877	32,831	12,303	16,147	8,548
1985	28,961	33,244	14,351	15,865	9,987
1986 (rev.)	29,003	34,665	14,906	18,889	9,998
1987	34,398	39,038	14,876	19,872	10,765

NA Not available.

1/ 14 years old and over through 1975, and 15 years old and over thereafter. Data for 1975 and 1980-1987 exclude persons in military group quarters.

Source: U.S. Bureau of the Census, Census of Population: 1960, General Social and Economic Characteristics, Hawaii, Final Report PC(1)-13C (1962), tables 66 and 67 (for 1949 data); 1970 Census of Population, General and Economic Characteristics, Hawaii, PC(1)-C13 (December 1971), table 47 (for 1959 data); 1980 Census of Population, General Social and Economic Characteristics, Hawaii, PC80-1-C-13 (June 1983), table 61 (for 1969 and 1979 data); "Household Money Income in 1975, by Housing Tenure and Residence, for the United States, Regions, Divisions, and States (Spring 1976 Survey of Income and Education)," Current Population Reports, Consumer Income, Series P-60, No. 108 (November 1977), p. 145; "Money Income and Poverty Status in 1975 of Families and Persons in the United States and the West Region, by Divisions and States (Spring 1976 Survey of Income and Education)," Current Population Reports, Consumer Income, Series P-60, No. 113 (July 1978), pp. 175-177; Current Population Survey (March), annual, 1981 to 1988, machine-readable file, special tabulation by Hawaii State Data Center.

Table 417.-- INCOME OF HOUSEHOLDS, FAMILIES, AND PERSONS IN 1979: 1980

[Money income received in 1979 by households, families, and persons surveyed in April 1980]

Income	The State	Oahu	Other islands
Households	294,934	230,931	64,003
Less than \$5,000	24,433	17,631	6,802
\$5,000 to \$7,499	18,775	13,771	5,004
\$7,500 to \$9,999	21,209	16,663	4,546
\$10,000 to \$14,999	41,604	32,320	9,284
\$15,000 to \$19,999	37,836	28,833	9,003
\$20,000 to \$24,999	34,842	26,768	8,074
\$25,000 to \$34,999	52,585	41,728	10,857
\$35,000 to \$49,999	39,955	33,443	6,512
\$50,000 or more	23,695	19,774	3,921
Median	\$20,473	\$21,077	\$18,457
Mean	\$24,519	\$25,180	\$22,132
Families	227,974	178,516	49,458
Less than \$5,000	11,533	8,603	2,930
\$5,000 to \$7,499	12,195	8,920	3,275
\$7,500 to \$9,999	15,068	11,817	3,251
\$10,000 to \$14,999	29,796	22,815	6,981
\$15,000 to \$19,999	28,957	21,572	7,385
\$20,000 to \$24,999	28,013	21,234	6,779
\$25,000 to \$34,999	45,089	35,482	9,607
\$35,000 to \$49,999	36,236	30,450	5,786
\$50,000 or more	21,087	17,623	3,464
Median	\$22,750	\$23,554	\$20,600
Mean	\$26,629	\$27,318	\$24,139
Unrelated individuals 15 years and over	136,692	112,303	24,389
Less than \$2,000	17,492	13,797	3,695
\$2,000 to \$2,999	7,698	5,713	1,985
\$3,000 to \$4,999	16,598	12,795	3,803
\$5,000 to \$7,999	34,234	29,848	4,386
\$8,000 to \$9,999	13,112	11,007	2,105
\$10,000 to \$14,999	21,340	17,209	4,131
\$15,000 to \$24,999	18,037	14,972	3,065
\$25,000 to \$49,999	6,841	5,866	975
\$50,000 or more	1,340	1,096	244
Median	\$7,097	\$7,167	\$6,735
Mean	\$9,947	\$10,061	\$9,423

Source: U.S. Bureau of the Census, 1980 Census of Population, General Social and Economic Characteristics, Hawaii, PC80-1-C13 (June 1983), table 71.

Table 418.-- INCOME OF HOUSEHOLDS AND FAMILIES: ANNUAL AVERAGES,
1982 TO 1984 AND 1985 TO 1987

[Data refer to income before taxes, as reported in March survey in following year. Based on a pooled sample of 1,730 households for 1982-1984 and 1,512 households for 1985-1987]

Income	Households		Families	
	1982-1984	1985-1987	1982-1984	1985-1987
Total	327,405	349,890	247,521	266,736
Under \$5,000	20,902	17,592	9,513	5,880
\$5,000 to \$7,499	15,307	14,944	8,807	7,686
\$7,500 to \$9,999	19,302	11,323	9,843	6,735
\$10,000 to \$14,999	38,121	28,669	26,731	18,720
\$15,000 to \$19,999	32,044	37,641	20,483	24,490
\$20,000 to \$24,999	30,415	31,101	24,461	22,770
\$25,000 to \$34,999	59,227	55,125	49,274	45,204
\$35,000 to \$49,999	62,788	63,500	56,006	53,813
\$50,000 to \$74,999	38,388	62,320	32,791	56,799
\$75,000 and over	10,910	27,674	9,613	24,639
Median income (dollars)	26,343	30,858	30,071	35,478

Source: U.S. Bureau of the Census for U.S. Bureau of Labor Statistics, Current Population Survey (March), annual, 1983 to 1988; machine-readable data file, special tabulation by Hawaii State Data Center.

Table 419.-- INCOME AND POVERTY STATUS IN PREVIOUS YEAR: 1970 AND 1980

Subject	1970	1980
INCOME IN PREVIOUS YEAR		
Households	204,415	294,934
Median income (current dollars)	\$10,675	\$20,473
Median income (1979 dollars)	\$21,137	\$20,473
Families	170,729	227,974
Median income (current dollars)	\$11,664	\$22,750
Median income (1979 dollars)	\$23,095	\$22,750
Unrelated individuals 15 years and over ...	83,093	136,692
Median income (current dollars)	\$2,981	\$7,097
Median income (1979 dollars)	\$5,902	\$7,097
Male, 15 years and over <u>1/</u>	289,165	378,942
Without income	29,578	29,106
With income	259,587	349,836
Median income (current dollars)	\$6,528	\$11,505
Median income (1979 dollars)	\$12,925	\$11,505
Female, 15 years and over <u>1/</u>	264,590	360,707
Without income	94,729	78,1157
With income	169,861	282,592
Median income (current dollars)	\$3,222	\$6,581
Median income (1979 dollars)	\$6,380	\$6,681
INCOME IN PREVIOUS YEAR BELOW POVERTY LEVEL <u>2/</u>		
Persons	68,364	91,618
65 years and over	8,457	7,654
In families	51,530	66,843
Householder	13,063	17,700
Female householder, no husband present	5,180	7,985
Related child under 18 years	27,895	35,103
Related child under 6 years	10,129	14,725
Other relatives	10,572	14,040
Unrelated individuals	16,834	24,775
65 years and over	4,561	4,9277

1/ 14 years and over in 1970.

2/ Percent columns show percent below poverty level for specified groups. Data are based on U.S. poverty thresholds. Thresholds in Hawaii are about 15 percent higher; these statistics accordingly understate the number of persons in Hawaii below the poverty level.

Source: U.S. Bureau of the Census, 1980 Census of Population, General Social and Economic Characteristics, Hawaii, PC80-1-13C (July 1983), table 61.

Table 420.-- INCOME AND POVERTY STATUS IN 1979,
BY COUNTIES AND ISLANDS: 1980

[Income and poverty status in 1979 of households, families and persons surveyed in April 1980]

County and island	Median income (dollars)		Per capita income (dollars)	Income below poverty level <u>1/</u>	
	Households	Families		Percent of persons for whom poverty status is determined	Percent of families
The State ..	20,473	22,750	7,740	9.9	7.8
Counties:					
Hawaii	16,975	19,132	6,554	13.2	10.3
Maui	20,237	22,579	7,818	9.6	7.6
Kalawao	5,750	11,667	6,838	31.9	13.3
Honolulu	21,077	23,554	7,912	9.5	7.5
Kauai	19,066	20,882	7,022	8.9	6.9
Islands:					
Hawaii	16,975	19,132	6,554	13.2	10.3
Maui	20,732	24,136	8,115	8.8	7.2
Lanai	18,597	21,667	6,472	10.6	2.3
Molokai	14,530	16,440	5,206	21.6	12.8
Oahu <u>2/</u>	21,077	23,554	7,912	9.5	7.5
Kauai	19,154	20,989	7,057	8.3	6.4
Niihau	4,922	4,922	1,081	81.2	84.2

1/ Based on Mainland poverty thresholds. Hawaii thresholds are approximately 15 percent higher than those in effect on the Mainland; these data accordingly understate the percent of persons and families below poverty level in Hawaii.

2/ Includes the Northwestern Hawaiian Islands.

Source: U.S. Bureau of the Census, 1980 Census of Population, General Social and Economic Characteristics, Hawaii, PC80-1-C13 (June 1983), table 57, and 1980 Census of Population and Housing, Census Tracts, Hawaii, Selected Areas, PHC80-2-13 (June 1983), table P-11. Island data for Maui, Molokai, and Kauai calculated by Hawaii State Data Center.

Table 421.-- POVERTY STATUS IN 1979 OF FAMILIES AND PERSONS: 1980

[Based on nationwide poverty thresholds. Hawaii thresholds are approximately 15 percent higher than those in effect on the Mainland; these data accordingly understate the numbers of persons and families below the poverty level in Hawaii. Data refer to the poverty status in 1979 of families and persons surveyed in April 1980]

Subject	Number
ALL INCOME LEVELS IN 1979	
Families	227,974
Unrelated individuals	107,787
Persons	927,032
INCOME IN 1979 BELOW POVERTY LEVEL	
Families	17,700
Percent below poverty level	7.8
Unrelated individuals	24,775
Percent below poverty level	23.0
Persons	91,618
Percent below poverty level	9.9
INCOME IN 1979 BELOW 125 PERCENT OF POVERTY LEVEL	
Families	26,815
Percent below poverty level	11.8
Unrelated individuals	30,725
Percent below poverty level	28.5
Persons	133,214
Percent below poverty level	14.4
INCOME IN 1979 BELOW SPECIFIED POVERTY LEVEL	
Percent of persons:	
Below 75 percent of poverty level	6.1
Below 150 percent of poverty level	19.0
Below 200 percent of poverty level	29.0

Source: U.S. Bureau of the Census, 1980 Census of Population, General Social and Economic Characteristics, Hawaii, PC80-1-C13 (June 1983), table 72.

Table 422.-- POVERTY STATUS OF FAMILIES AND UNRELATED INDIVIDUALS:
1969 TO 1987

[Based on censuses or surveys made in March or April of following year]

Year	Families			Unrelated individuals <u>2/</u>		
	Total	Below poverty level <u>1/</u>		Total	Below poverty level <u>1/</u>	
		Number	Percent		Number	Percent
1969 ..	170,729	13,046	7.6	55,588	16,833	30.3
1975 ..	201,000	13,000	6.4	66,000	14,000	21.6
1979 ..	227,974	17,700	7.8	107,787	24,775	23.0
1985 ..	253,914	18,776	7.4	117,639	27,243	23.2
1986 ..	264,689	23,419	8.8	122,419	31,828	26.0
1987 ..	281,599	20,468	7.3	107,656	19,513	18.1

1/ Based on Mainland poverty thresholds. Hawaii thresholds are approximately 15 percent higher than those in effect on the Mainland; these data accordingly understate the number and percent of families and unrelated individuals below poverty level in Hawaii.

2/ 14 years old and over through 1975, and 15 years old and over thereafter. Data for 1975, 1985, and 1986 exclude persons in military group quarters.

Source: U.S. Bureau of the Census, 1970 Census of Population, General Social and Economic Characteristics, Hawaii, PC(1)-C13 (December 1971), table 58; "Money Income and Poverty Status in 1975 of Families and Persons in the United States and West Region, by Divisions and States (Spring 1976 Survey of Income and Education)," Current Population Reports, Consumer Income, Series P-60, No. 113 (July 1978), pp. 179-180; 1980 Census of Population, General Social and Economic Characteristics, Hawaii, PC80-1-C13 (June 1983), table 72; Current Population Survey (March), 1986 to 1988, machine-readable file, special tabulation by Hawaii State Data Center.

Table 423.-- POVERTY INCOME GUIDELINES: 1980, 1987 AND 1988

[In dollars. These family income levels are poverty thresholds established by the U.S. Department of Health and Human Services to determine eligibility for certain Federal programs for the poor. In earlier years, these guidelines were issued by the Community Services Administration]

Size of family unit	Effective April 21, 1980 <u>1/</u>	Effective Feb. 20, 1987 <u>2/</u>	Effective Feb. 12, 1988 <u>2/</u>
1	4,370	6,310	6,650
2	5,770	8,500	8,900
3	7,170	10,690	11,150
4	8,570	12,880	<u>3/</u> 13,400
5	9,970	15,070	15,650
6	11,370	17,260	17,900
7	12,770	19,450	20,150
8	14,170	21,640	<u>4/</u> 22,400

1/ Nonfarm families only; guidelines for farm families were lower.

2/ All families.

3/ Corresponding levels for four-person families elsewhere in the United States were \$11,650 on the Mainland and \$14,560 in Alaska.

4/ For larger families, add \$2,250 for each additional member.

Source: Community Services Administration, "General Characteristics of Community Action Programs; Income Poverty Guidelines (Revised)," Federal Register, Vol. 45, No. 78 (April 21, 1980), pp. 26712-26713; U.S. Department of Health and Human Services, "Annual Update of the Poverty Income Guidelines," Federal Register, Vol. 52, No. 34 (February 20, 1987), pp. 5340-5341, and "Annual Update of the Poverty Income Guidelines," Federal Register, Vol. 53, No. 29 (February 12, 1988), pp. 4213-4214.

Table 424.-- ANNUAL INCOME AND EXPENDITURES OF URBAN CONSUMER UNITS,
FOR OAHU: 1980-81, 1982-83, AND 1984-85

[Data based on 792 sample interviews in 1980-81, 928 in 1982-83, and
1,043 in 1984-85. For detailed breakdowns, see source]

Item	Annual averages (dollars)		
	1980-81	1982-83	1984-85
Total expenditures	18,584	22,247	24,818
Food at home	2,681	2,838	2,994
Food away from home	887	1,265	1,350
Alcoholic beverages	302	460	413
Housing	5,454	6,122	6,934
Shelter	3,523	3,948	4,735
Utilities, fuels, and public services ...	937	1,142	1,144
Household operations	369	280	311
Housefurnishings and equipment	626	751	745
Apparel	773	1,080	1,158
Transportation	3,729	4,051	4,681
Health care	731	770	987
Entertainment	804	1,101	1,170
Personal care	153	232	243
Reading	119	159	176
Education	265	380	454
Tobacco and smoking supplies	143	177	214
Miscellaneous	258	482	480
Cash contributions	504	923	1,191
Personal insurance and pensions	1,779	2,204	2,391
Money income before taxes	22,926	27,937	30,751
Personal taxes	2,915	3,595	2,965
Other money receipts	123	227	579
Mortgage principal paid on owned property ...	440	635	490
Gifts of goods and services	498	690	700

Source: U.S. Bureau of Labor Statistics, Consumer Expenditure Survey: Interview, 1984, Bulletin 2267 (August 1986), pp. 67-70 and 83-86, and 1984-85 printouts.

Table 425.-- TOP WEALTHHOLDERS: 1962 TO 1982

[Top wealthholders are defined as persons with a gross estate in excess of specified amounts, rising from \$60,000 in 1962 to \$325,000 in 1982. All figures are estimates based on estate tax return samples]

Group and year	Number of top wealthholders	Millions of dollars		
		Total assets	Debts and mortgages	Net worth
Gross estate over \$60,000:				
1962	11,323	1,908	231	1,677
1969	36,470	6,327	1,090	5,236
1972	53,700	7,866	1,369	6,497
Gross estate over \$120,000:				
1976	39,000	7,436	1,546	5,890
Gross estate over \$325,000:				
1982 <u>1/</u>	20,300	14,767	3,523	11,244
Gross estate over \$500,000:				
1982 <u>1/</u>	8,700	10,864	2,919	7,946

1/ Revised from Data Book 1987, table 429.

Source: U.S. Internal Revenue Service, Statistics of Income - 1962, Personal Wealth (1967), pp. 55-56; Statistics of Income - 1969, Personal Wealth (1973), pp. 57-58; Statistics of Income - 1972, Personal Wealth Estimated from Estate Tax Returns (1976), table 33; and Statistics of Income Bulletin, Summer 1983, pp. 1-26, and Spring 1988, pp. 31-46.

Table 426.-- CHARACTERISTICS OF TOP WEALTHHOLDERS: 1982

[Top wealthholders are defined as persons with gross assets of \$325,000 or more. All figures in this table are estimates based on estate tax return samples. Revised from Data Book 1987, table 430]

Subject	Number of persons	Amount (millions of dollars)
GROSS ASSETS OF \$325,000 OR MORE		
Total assets, all persons in group	20,300	14,767
Debts and mortgages	18,400	3,523
Net worth	20,300	11,244
Men	13,100	7,309
Women	7,200	3,935
GROSS ASSETS OF \$500,000 OR MORE		
Total assets, all persons in group	8,700	10,864
Debts and mortgages	8,000	2,919
Net worth	8,700	7,946
Men	6,000	5,655
Women	2,700	2,290
Selected assets:		
Cash	8,400	501
Corporate stock	7,200	2,376
Bonds	3,000	899
Real estate	8,500	5,840
Noncorporate business assets	3,500	467
NET WORTH OF \$1,000,000 OR MORE		
Net worth, all persons in group (millionaires)	1,400	4,813

Source: U.S. Internal Revenue Service, "Estimates of Personal Wealth, 1982: A Second Look," SOI Bulletin, Spring 1988, pp. 31-46.

Table 427.-- WORTH OF RICHEST RESIDENTS: 1988

Name	Age (years)	Net worth (million dollars)
Barbara Cox Anthony	65	2,250
Harry Weinberg	80	850
Campbell family	650
Kelley family	500
Goldman family 1/	400
Richard Palmer Kaleioku Smart	75	300
Christopher Bagwell Hemmeter	49	225

1/ Also residents of Colorado, New York City, and Oklahoma.

Source: "The 400 Richest People in America," Forbes, October 24, 1988, pp. 142-347.