

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 1990 was about \$27 billion. The major sources of outside income to Hawaii in 1990 were defense expenditures (\$3.2 billion), pineapple production (\$216 million), sugar production (\$329 million), and visitor expenditures (\$9.4 billion). Personal income in 1990 was \$22.7 billion, compared with \$10.3 billion only ten years earlier, and per capita personal income was \$20,400, almost twice the 1980 level. The per capita figure for Hawaii was 8.9 percent above the national average, reflecting in part the Islands' higher cost of living. The median annual income of households, based on data for 1990, was \$39,000, third highest of the 50 States. The official poverty threshold for a 4-person family in Hawaii was set in February 1991 at \$15,410. In 1990, one-ninth of all Island residents were below the U.S. poverty level. The most recent family expenditure survey, taken in 1988 and 1989, reported that the largest items in the family budget on Oahu were housing (accounting for 30.7 percent of total spending), food (15.6 percent), and transportation (17.6 percent). Top wealthholders in 1986 included 11,000 persons with assets of \$500,000 or more.

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, U.S. Department of Housing and Urban Development, Internal Revenue Service, Hawaii Agricultural Statistics Service, Hawaii State Department of Business, Economic Development & Tourism, 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: 1991, Section 14.

Table 372.-- DIRECT INCOME FROM MAJOR EXPORT INDUSTRIES:
1970 TO 1990

[In millions of dollars]

Year	Value of production		Defense expenditures	Visitor expenditures <u>2/</u>
	Raw sugar and molasses <u>1/</u>	Fresh and processed pineapple		
1970 ...	187.8	138.6	916.8	595
1971 ...	202.9	141.4	958.6	705
1972 ...	184.7	145.4	1,068.2	840
1973 ...	222.2	142.4	1,223.1	1,020
1974 ...	676.6	127.1	1,311.8	1,225
1975 ...	366.1	136.7	1,442.1	1,360
1976 ...	257.0	144.5	1,499.2	1,640
1977 ...	226.8	161.6	1,576.1	1,845
1978 ...	285.2	162.8	1,644.5	2,146
1979 ...	345.7	206.4	1,707.7	2,537
1980 ...	594.1	226.5	1,865.4	2,875
1981 ...	327.9	217.6	2,041.2	3,200
1982 ...	351.5	206.0	2,385.3	3,700
1983 ...	410.2	219.0	2,566.5	3,974
1984 ...	393.0	249.6	2,653.0	4,582
1985 ...	340.8	222.5	2,810.1	4,986
1986 ...	361.9	238.4	2,866.3	5,802
1987 ...	335.9	251.4	2,923.6	6,530
1988 ...	324.0	247.0	2,924.2	7,849
1989 ...	322.0	241.9	3,050.8	8,785
1990 ...	328.9	215.9	3,203.3	9,410

1/ Excludes government sugar support payments.

2/ Direct visitor expenditures in Hawaii, exclusive of transpacific transportation and expenditures of carriers and crews.

Source: Hawaii Agricultural Statistics Service, Statistics of Hawaiian Agriculture (annual) and records; data from DBED GSP accounts, cited in present report, table 309; Hawaii Visitors Bureau, estimates cited in present report, tables 198 and 199.

Table 373.-- GROSS STATE PRODUCT AND PER CAPITA GROSS STATE
PRODUCT: 1958 TO 1990

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	16,874.9	15,107.3	16,229	14,529
1986	18,115.5	15,807.6	17,222	15,560
1987	19,717.4	16,458.6	18,450	15,410
1988	21,803.2	17,512.6	20,188	16,216
1989	24,300.1	18,578.1	22,200	16,973
1990	26,945.3	19,525.6	24,314	17,619

Source follows table 379.

Table 374.-- EXPENDITURES ON GROSS STATE PRODUCT: 1988 TO 1990

[In millions of dollars]

Item	1988	1989	1990
Gross state product	21,803.2	24,300.1	26,945.3
Personal consumption expenditures <u>1/</u>	13,085.4	14,438.8	15,893.7
Goods	9,320.9	10,242.8	11,286.6
Durables	2,811.8	3,147.9	3,533.0
Non-durables	6,509.1	7,094.9	7,818.6
Services	3,764.5	4,196.0	4,607.1
Gross private domestic investment	2,849.8	3,501.6	4,173.1
Fixed investment	2,775.1	3,419.4	4,082.6
Non-residential	2,101.5	2,478.4	2,919.2
Structures	1,095.9	1,315.2	1,680.4
Producers' durable equipment	1,005.6	1,163.2	1,238.8
Residential	673.6	941.0	1,163.4
Change in inventories	74.8	82.2	90.5
Government purchases of goods and services	6,462.5	6,954.2	7,603.9
State and local	3,363.2	3,720.6	4,210.0
Compensation of employees	1,683.7	1,776.2	1,970.1
Purchases from business	1,679.4	1,944.4	2,239.9
Federal	3,099.3	3,233.6	3,393.8
Defense	2,924.2	3,050.8	3,203.3
Non-defense	175.1	182.8	190.5
Net exports	-1,292.0	-1,014.1	-1,052.9
Exports	12,291.6	13,814.3	15,324.3
Commodities (Merchandise)	1,467.6	1,509.2	1,617.4
Services and income from investments	2,884.0	3,232.6	3,513.9
Visitor and crew expenditures	7,940.0	9,072.6	10,193.0
Less: Imports	13,583.6	14,828.4	16,377.2
Commodities (Merchandise)	9,298.4	10,062.3	10,945.5
Services and income from investments	3,475.6	3,874.1	4,354.1
Out-of-state expenditures by Hawaii residents	809.5	892.0	1,077.6
Discrepancy and omissions	697.4	419.6	262.5

1/ Purchases by Hawaii residents.

Source follows table 379.

Table 375.-- GROSS STATE (DOMESTIC) PRODUCT, BY INDUSTRY: 1977 TO 1989

[Dollar amounts in millions]

Year	Total	Percent of U.S.	Rank <u>1/</u>	Year	Total	Percent of U.S.	Rank <u>1/</u>
1977 ...	8,946	0.46	38	1984 ...	16,500	0.45	39
1978 ...	10,066	.45	38	1985 ...	17,642	.44	40
1979 ...	11,257	.46	38	1986 ...	19,088	.46	40
1980 ...	12,621	.47	39	1987 ...	20,738	.46	40
1981 ...	13,507	.45	39	1988 ...	23,183	.48	40
1982 ...	14,412	.46	39	1989 ...	25,755	.50	38
1983 ...	15,477	.46	39				

Industry	1977	1981	1985	1989	
				Amount	Percent
Total, all industries	8,946	13,507	17,642	25,755	100.0
Farms	205	297	346	396	1.5
Agric. services, forestry, fisheries	32	54	65	111	0.4
Mining	-	-	1	8	0.0
Construction	597	976	1,022	2,237	8.7
Manufacturing	559	695	847	1,095	4.3
Transportation, utilities	940	1,312	1,760	2,530	9.8
Wholesale trade	453	626	804	1,054	4.1
Retail trade	1,001	1,529	2,047	2,993	11.6
Finance, insur., real estate	1,381	2,443	2,844	4,333	16.8
Services	1,426	2,294	3,526	5,598	21.7
Federal government:					
Civilian	578	834	1,143	1,307	5.1
Military	964	1,334	1,826	2,033	7.9
State and local government	810	1,113	1,411	2,061	8.0

1/ Among the 50 States.

Source: U.S. Bureau of Economic Analysis, "Gross State Product: New Estimates for 1987-89 and Revised Estimates for 1977-86," Release BEA 91-51 (November 26, 1991), and BEA diskette tabulated by DBED.

Table 376.-- CHARGES AGAINST GROSS STATE PRODUCT: 1988 TO 1990

[In millions of dollars]

Item	1988	1989	1990
Charges against gross state product	21,803.2	24,300.1	26,945.3
Compensation of employees	13,979.7	15,450.0	17,114.8
Wages and salaries	11,756.4	12,998.2	14,333.6
Supplements to wages and salaries	2,223.3	2,451.8	2,846.2
Employers' contributions for social ins. ...	1,239.5	1,338.5	1,526.7
State programs	106.6	47.0	52.4
Federal programs	1,132.9	1,291.5	1,474.3
Other labor income	983.8	1,113.3	1,254.5
Proprietors' income	1,457.0	1,555.5	1,705.5
Rental income	129.0	107.2	130.0
Corporate profits before tax	1,073.0	1,261.7	1,464.8
Profit tax	377.9	443.1	563.0
State	69.2	72.7	88.2
Federal	308.7	370.4	474.9
Profits after tax	695.1	818.6	901.7
Dividends	428.9	501.5	537.1
Undistributed profits	266.2	317.1	364.7
Net interest	1,640.9	2,071.7	2,170.5
State income	18,279.6	20,446.1	22,585.6
Business transfer payments	135.1	150.7	182.2
To persons	99.2	111.1	131.0
To non-profit institutions	35.9	39.6	51.2
Indirect business tax and non-tax, state and local	1,838.4	1,979.4	2,217.0
Subsidies less surplus of state and local government enterprises	-31.7	-42.3	-48.0
Indirect tax and non-tax, Federal	113.0	118.4	128.1
Subsidies less surplus of Federal government enterprises	-111.0	-122.1	-127.2
Charges against net state product	20,508.8	22,859.1	25,288.0
Capital consumption allowances	1,294.4	1,441.0	1,592.3

Source follows table 379.

Table 377.-- PRIVATE CONSTRUCTION EXPENDITURES: 1988 TO 1990

[Millions of current dollars]

Type of construction	1988	1989	1990
Private construction	1,769.2	2,256.2	2,843.9
Nonresidential	1,095.6	1,315.2	1,680.5
Buildings	749.2	893.4	1,210.7
Hotels	311.9	393.9	508.6
Commerical	437.4	499.5	702.2
New buildings	251.5	290.6	471.6
Additions alterations	186.2	208.9	230.6
Nonstructural	346.3	421.8	469.7
Construction	230.9	281.2	313.2
Architect., engineer. fees	115.4	140.6	156.6
Residential	673.6	941.0	1,163.5
New dwellings	544.0	740.0	947.5
Single family	483.5	574.6	665.4
Multi family	60.5	165.4	282.1
Additions, alterations	129.6	201.0	215.9

Source follows table 379.

Table 378.-- EXPORTS AND IMPORTS OF GOODS AND SERVICES:
1988 TO 1990

[In millions of dollars. Includes both domestic and
foreign imports and exports]

Classification	1988	1989	1990
Exports of goods and services ^{1/}	12,291.6	13,814.3	15,324.3
Merchandise exports	1,467.6	1,509.2	1,617.4
Primary	521.8	536.0	553.6
Sugar and molasses	285.1	285.1	285.1
Pineapple	236.7	250.9	268.5
Secondary	182.8	189.9	199.2
Garments	47.2	48.0	50.0
Flowers	33.0	36.3	40.3
Papaya	10.9	11.8	12.6
Macadamia nuts, coffee, and other.....	91.7	93.8	96.3
Miscellaneous	763.0	783.3	864.6
Other processed foods and feeds	26.2	27.7	30.0
Fuels and petroleum products	122.1	108.2	163.1
All other products	614.7	647.4	671.5
Services and income from investments	2,884.0	3,232.6	3,513.9
Visitor and crew expenditures	7,940.0	9,072.6	10,193.0
Imports of goods and services	13,583.6	14,828.4	16,377.2
Merchandise imports	9,298.4	10,062.3	10,945.5
Domestic	7,459.9	8,076.1	8,784.9
Waterborne	7,029.8	7,006.5	8,281.1
Airborne	430.2	469.6	503.9
Foreign, total	1,838.5	2,393.7	2,613.5
Services and income from investments	3,475.6	3,874.1	4,354.1
Out-of-State expenditures by Hawaii residents	809.5	892.0	1,077.6

^{1/} Not available separately for foreign and domestic exports.
Source follows table 379.

Table 379.-- SUMMARY OF GOVERNMENT ACCOUNTS: 1988 TO 1990

[In millions of dollars]

Item	1988	1989	1990
Total revenues, State and local	3,958.0	4,242.1	4,548.6
State and local tax and non-tax	3,379.8	3,648.1	3,948.6
Personal tax and non-tax	1,298.5	1,472.4	1,500.0
Corporate profits tax	69.2	72.7	88.2
Indirect business tax and non-tax	1,838.4	1,979.4	2,217.0
Contributions to social insurance programs ...	173.7	123.6	143.5
Employer	106.6	47.0	52.4
Personal	67.1	76.6	91.1
Federal grants-in-aid	578.2	594.0	600.0
Total expenditures, State and local	3,537.8	3,896.8	4,393.7
Purchases of goods and services	3,363.2	3,720.6	4,210.0
Compensation of employees	1,683.7	1,776.2	1,970.1
Purchases from business	1,679.4	1,944.4	2,239.9
Transfer payments to persons	304.8	324.3	341.7
Net interest paid	-98.5	-105.8	-110.0
Subsidies less current surplus of gov. ent.	-31.7	-42.3	48.0
Surplus or deficit (-), State & local	420.2	345.3	154.9
Total revenues, Federal	5,604.6	5,905.2	6,266.7
Federal tax and non-tax revenues	3,198.2	3,628.8	4,161.5
Personal tax and non-tax	837.7	929.8	1,061.8
Corporate profits tax	308.7	370.4	474.9
Indirect business tax and non-tax	113.0	118.4	128.1
Contributions for social insurance programs ..	1,938.8	2,210.2	2,496.7
Employer	1,132.9	1,291.5	1,474.3
Personal	805.9	918.7	1,022.4
Transfers from Federal gov. in Washington, D.C.	2,406.4	2,276.4	2,105.3
Total expenditures, Federal	5,604.6	5,905.2	6,266.7
Purchases of goods and services	3,099.3	3,233.6	3,393.8
Defense	2,924.2	3,050.8	3,203.3
Non-defense	175.1	182.8	190.5
Transfer payments to persons	2,023.4	2,184.5	2,384.4
Grants-in-aid to State and local government	578.2	5,940.0	600.0
Net interest paid (to persons)	14.7	15.2	15.7
Subsidies less current surplus of gov. ent.	111.0	-122.1	-127.2

Source: Hawaii State Department of Business and Economic Development, Hawaii Gross State Product Accounts: 1958 to 1985; Summary Estimates: 1986, 1987, and 1988 (1989), as updated and revised.

Table 380.-- TOTAL AND PER CAPITA PERSONAL INCOME AND
DISPOSABLE PERSONAL INCOME: 1960 TO 1990

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	1,243	2,350	1,992	104	101
1961 ...	1,584	1,337	2,464	2,080	107	103
1962 ...	1,695	1,454	2,595	2,226	107	105
1963 ...	1,806	1,553	2,692	2,315	107	106
1964 ...	1,962	1,712	2,894	2,525	109	108
1965 ...	2,153	1,888	3,085	2,705	109	108
1966 ...	2,359	2,039	3,385	2,926	111	110
1967 ...	2,565	2,216	3,624	3,129	112	111
1968 ...	2,874	2,453	3,998	3,412	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	11,298	9,628	103	104
1982 ...	11,732	10,213	11,805	10,277	103	106
1983 ...	12,875	11,100	12,713	10,960	105	106
1984 ...	13,628	11,886	13,257	11,562	101	102
1985 ...	14,589	12,606	14,030	12,123	101	102
1986 ...	15,607	13,527	14,837	12,860	101	103
1987 ...	16,798	14,348	15,727	13,433	102	102
1988 ...	18,376	15,588	17,015	14,434	103	102
1989 ...	20,417	16,979	18,652	15,512	105	103
1990 ...	22,663	19,040	20,356	17,102	109	108

Source: U.S. Department of Commerce, Bureau of Economic
Analysis, printouts.

Table 381.-- PERSONAL INCOME BY MAJOR SOURCES: 1985 TO 1990

[In millions of dollars. Revised from Data Book 1990, table 392]

Item	1985	1986	1987	1988	1989	1990
Labor and proprietors income						
By type:						
Wage and salary disbursements .	9,184	9,778	10,691	11,772	13,020	14,395
Other labor income	759	852	909	985	1,106	1,217
Proprietors income	1,062	1,203	1,273	1,360	1,480	1,596
Farm	108	154	97	107	93	97
Nonfarm	954	1,049	1,176	1,253	1,387	1,499
By industry:						
Farm	258	305	255	267	256	267
Nonfarm	10,746	11,528	12,618	13,850	15,350	16,941
Private	7,314	8,005	8,951	9,940	11,198	12,553
Government and government enterprises	3,432	3,522	3,667	3,910	4,152	4,388
Federal, civilian	967	950	992	1,042	1,086	1,108
Federal military	1,274	1,295	1,326	1,370	1,408	1,430
State and local	1,192	1,278	1,349	1,499	1,657	1,851
Derivation of personal income						
Labor and proprietors income	11,005	11,833	12,873	14,117	15,606	17,208
Less: Personal contributions for social insurance	678	728	766	879	1,000	1,108
Net labor and proprietors income	10,327	11,105	12,107	13,238	14,606	16,100
Plus: Dividends, interest, and rent	2,189	2,308	2,395	2,669	3,139	3,409
Plus: Transfer payments	2,073	2,194	2,296	2,469	2,672	3,154
Personal income	14,589	15,607	16,798	18,376	20,417	22,663

Source: U.S. Department of Commerce, Bureau of Economic Analysis, diskettes dated September 6, 1991.

Table 382.-- PERSONAL INCOME, TOTAL AND PER CAPITA, BY COUNTIES:
1979 TO 1989

Year	State total	City and County of Honolulu	Other counties			
			Total	Hawaii	Kauai	Maui and Kalawao
TOTAL (MIL. DOL.)						
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	14,588.7	11,815.8	2,772.8	1,188.4	515.8	1,068.6
1986	15,607.4	12,537.0	3,070.4	1,316.1	566.5	1,187.9
1987	16,798.0	13,486.0	3,312.0	1,417.0	612.0	1,283.0
1988	18,412.0	14,713.0	3,699.0	1,575.0	693.0	1,431.0
1989	20,477.0	16,251.0	4,227.0	1,800.0	790.0	1,638.0
PER CAPITA (DOLLARS)						
1979	9,506	9,816	8,318	8,133	8,234	8,600
1980	10,617	10,854	9,729	9,682	9,499	9,916
1981	11,275	11,765	9,496	9,232	9,308	9,944
1982	11,760	12,292	9,869	9,472	9,703	10,477
1983	12,640	13,107	10,995	10,526	10,764	11,724
1984	13,154	13,805	10,930	10,438	10,691	11,688
1985	13,874	14,568	11,535	10,851	11,365	12,502
1986	14,674	15,306	12,557	11,830	12,254	13,647
1987	15,525	16,268	13,092	12,345	12,776	14,210
1988	16,765	17,548	14,240	13,410	14,051	15,390
1989	18,379	19,171	15,858	14,969	15,585	17,121

Source: U.S. Department of Commerce, Bureau of Economic Analysis, diskettes dated May 1991.

Table 383.-- PER CAPITA PERSONAL INCOME IN CURRENT AND CONSTANT DOLLARS
FOR THE UNITED STATES AND HAWAII: 1980 AND 1990

Subject	United States	Hawaii
Per capita personal income (current dollars):		
1980	9,919	10,617
1990	18,691	20,356
Per capita personal income (1982-1984 dollars):		
1980	12,038	12,792
1990	14,301	14,740
Percent of U.S. average:		
1980	100.0	107.0
1990	100.0	108.9
Percent increase, 1980-1990:		
Current dollars	88.4	91.7
Constant dollars	18.8	15.2
Rank (50 States and D.C.):		
1980	(X)	13
1990	(X)	11
Consumer price index (1982-1984=100): <u>1/</u>		
1980	82.4	83.0
1990	130.7	138.1

X Not applicable.

1/ Hawaii index is for Honolulu MSA.

Source: U.S. Department of Commerce, Bureau of Economic Analysis.

Table 384.-- PER CAPITA PERSONAL INCOME, MEDIAN FAMILY INCOME, AND AVERAGE WAGE AND SALARY EARNINGS, IN CURRENT AND CONSTANT DOLLARS: 1939 TO 1990

[Constant dollar amounts based on Honolulu consumer price index for all urban consumers (CPI-U)]

Year	Per capita personal income <u>1/</u>		Median family cash income <u>2/</u>		Average wage or salary <u>3/</u>		Honolulu CPI-U (1982-84 =100) <u>4/</u>
	Current dollars	1982-84 dollars	Current dollars	1982-84 dollars	Current dollars	1982-84 dollars	
1939 ...	525	3,596	(NA)	(NA)	970	6,644	14.6
1949 ...	1,354	5,373	3,568	14,159	2,605	10,337	25.2
1959 ...	2,116	6,938	6,366	20,872	3,745	12,279	30.5
1969 ...	4,411	11,195	11,664	29,604	6,431	16,322	39.4
1979 ...	9,506	12,794	22,750	30,619	11,709	15,759	74.3
1988 ...	17,015	13,981	39,609	32,546	19,480	16,007	121.7
1989 ...	18,652	14,493	(NA)	(NA)	20,711	16,092	128.7
1990 ...	20,356	14,740	(NA)	(NA)	22,311	16,156	138.1

NA Not available.

1/ 1939 and 1949 from U.S. Office of Business Economics estimates cited in Robert C. Schmitt, Historical Statistics of Hawaii (1977), p. 167; 1959-1990 from U.S. Bureau of Economic Analysis, printouts filed in the Hawaii State Data Center.

2/ U.S. Bureau of the Census, decennial census data for 1949-1979 and Current Population Survey tabulations for 1988, cited in present volume, table 385.

3/ Data limited to private nonagricultural wage and salary workers. 1939-1969 reported in Historical Statistics of Hawaii, p. 127; 1979 in Data Book 1985, table 343; 1988-1990 in present volume, table 350.

4/ Honolulu consumer price index for all urban consumers, reported in present volume, table 399. The 1939 index was estimated from the 1940 Honolulu index and the 1939-1940 percent change in the Mainland index.

Sources cited in footnotes.

Table 385.-- MEDIAN INCOME OF HOUSEHOLDS, FAMILIES, UNRELATED INDIVIDUALS, AND PERSONS: 1949 TO 1990

[In dollars. Based on censuses or surveys made in March or April of following year. Data for 1980-1990 are taken from small samples and 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	8,663	13,533	6,917
1981	22,434	27,499	10,073	13,635	7,069
1982	23,582	27,840	11,406	13,582	8,133
1983	26,805	29,742	12,735	14,903	7,941
1984	28,877	32,831	12,873	16,147	8,548
1985	28,961	32,611	15,357	15,865	9,987
1986	29,003	34,665	14,906	18,889	9,998
1987	34,398	39,038	14,876	19,872	10,765
1988 <u>2/</u>	33,024	39,609	14,376	18,375	8,983
1989	35,035	(NA)	(NA)	(NA)	(NA)
1990	38,921	(NA)	(NA)	(NA)	(NA)

NA Not available.

1/ 14 years old and over through 1975, and 15 years old and over thereafter. Data for 1975 and 1980-1988 exclude persons in military group quarters.

2/ Revision in income imputation procedures.

Source: U.S. Bureau of the Census, Census of Population: 1960, PC(1)-13C (1962), tables 66 and 67 (for 1949 data); 1970 Census of Population, PC(1)-C13 (December 1971), table 47 (for 1959 data); 1980 Census of Population, PC80-1-C-13 (June 1983), table 61 (for 1969 and 1979 data); Current Population Reports, Consumer Income, Series P-60, No. 108 (November 1977), p. 145; Current Population Reports, Consumer Income, Series P-60, No. 113 (July 1978), pp. 175-177; Current Population Survey (March), annual, 1981 to 1989, machine-readable file, tabulated by Hawaii State Data Center; Current Population Reports, Consumer Income, Series P-60, No. 174 (August 1991), pp. 196 and 210.

Table 386.-- INCOME OF HOUSEHOLDS AND FAMILIES: ANNUAL AVERAGES,
1983 TO 1985 AND 1986 TO 1988

[Data refer to income before taxes, as reported in March survey in following year. Based on a pooled sample of 1,630 households for 1983-1985 and 1,540 households for 1986-1988]

Income	Households		Families	
	1983-1985	1986-1988	1983-1985	1986-1988
Total	329,037	361,986	251,104	273,083
Under \$5,000	18,491	16,493	7,814	5,738
\$5,000 to \$7,499	14,111	15,955	6,956	8,383
\$7,500 to \$9,999	16,725	11,214	9,835	5,226
\$10,000 to \$14,999	33,889	28,305	23,437	16,717
\$15,000 to \$19,999	33,753	34,126	22,420	22,763
\$20,000 to \$24,999	29,325	33,131	23,607	21,540
\$25,000 to \$34,999	56,217	55,585	47,015	44,566
\$35,000 to \$49,999	63,739	69,688	55,717	58,328
\$50,000 to \$74,999	45,519	67,091	39,168	62,133
\$75,000 and over	17,268	30,398	15,135	27,689
Median income (dollars)	28,094	32,278	31,713	37,866

Source: U.S. Bureau of the Census for U.S. Bureau of Labor Statistics, Current Population Survey (March), annual, 1984 to 1989; machine-readable data file, special tabulation by Hawaii State Data Center.

Table 387.-- MEDIAN FAMILY INCOME AND RANK: 1979 AND 1990

[Data refer to calendar year 1979 and fiscal year 1990]

Year	The State			Oahu (dollars)	Neighbor Islands (dollars)
	Amount (dollars)	Percent of U.S.	Rank <u>1/</u>		
1979	22,751	114.2	5	23,553	20,607
1990	39,800	114.8	8	41,200	34,500

1/ Among 50 States.

Source: U.S. Department of Housing and Urban Development,
"Estimated Median Family Incomes for Fiscal Year 1990," memorandum
dated February 1, 1990.

Table 388.-- ESTIMATED DECILE DISTRIBUTIONS OF FAMILY INCOMES,
BY COUNTIES: 1979 AND 1991

[Data refer to calendar year 1979 and fiscal year 1991. HUD has not provided
1991 statewide estimates comparable to these county figures]

County	1st decile		5th decile (median)		9th decile	
	1979	1991	1979	1991	1979	1991
Honolulu	7,569	14,043	23,553	43,700	49,866	92,520
Hawaii	5,975	10,337	19,131	33,100	42,778	74,013
Kauai	7,089	12,289	20,881	36,200	42,150	73,072
Maui	7,216	12,496	22,578	39,100	48,653	84,256

Source: U.S. Department of Housing and Urban Development, Office of
Economic Affairs, Economic and Market Analysis Division, estimates dated
January 28, 1991.

Table 389.-- INCOME AND POVERTY STATUS IN PREVIOUS YEAR: 1980 AND 1990

Subject	1980	1990
INCOME IN PREVIOUS YEAR		
Households	294,934	356,267
Median income (current dollars)	\$20,473	(NA)
Families	227,974	263,456
Median income (current dollars)	\$22,750	(NA)
Unrelated individuals 15 years and over	136,692	(NA)
Median income (current dollars)	\$7,097	(NA)
Male, 15 years and over	378,942	441,420
Without income	29,106	(NA)
With income	349,836	(NA)
Median income (current dollars)	\$11,505	(NA)
Female, 15 years and over	360,707	428,783
Without income	78,115	(NA)
With income	282,592	(NA)
Median income (current dollars)	\$6,581	(NA)
INCOME BELOW POVERTY LEVEL <u>1/</u>		
Persons	91,618	(NA)
65 years and over	7,654	(NA)
In families	66,843	(NA)
Householder	17,700	(NA)
Female householder, no husband present	7,985	(NA)
Related child under 18 years	35,103	(NA)
Related child under 6 years	14,725	(NA)
Other relatives	14,040	(NA)
Unrelated individuals	24,775	(NA)
65 years and over	4,927	(NA)

NA Not available.

1/ 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, and 1990 Summary Tape File 1A.

Table 390.-- 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 391.-- POVERTY STATUS OF PERSONS: 1969, 1975, AND 1979 TO 1990

[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 persons below the poverty level in Hawaii. Data are based on censuses or surveys made in March or April of the following year, and exclude inmates of institutions, persons in military group quarters and in college dormitories, and unrelated individuals under 15 years (14 years before 1979). Data for 1980-1990 are taken from small samples and are subject to considerable sampling variation]

Year	Number	Percent	Year	Number	Percent
1969	68,543	9.3	1984	92,000	9.3
1975	67,000	7.9	1985	109,000	10.7
1979	91,618	9.9	1986	109,000	10.7
			1987	95,000	8.8
1980	81,000	8.5	1988	117,000	11.1
1981	108,000	11.3	1989	122,000	11.3
1982	132,000	13.2	1990 <u>1/</u>	121,000	11.0
1983	135,000	13.4			

1/ Standard errors in 1990 were 19,000 for the number of poor and 1.7 for the poverty rate. For the entire United States in 1990, there were 33,585,000 persons below the poverty level and the poverty rate was 13.5 percent.

Source: U.S. Bureau of the Census, 1970 Census of Population, PC(1)-C13 (December 1971), table 58; Current Population Reports, Consumer Income, Series P-60, No. 113 (July 1978), p. 179; 1980 Census of Population, PC80-1-C13 (June 1983), table 72; Current Population Reports, Consumer Income, Series P-60, No. 175 (August 1991), pp. 219-221.

Table 392.-- POVERTY INCOME GUIDELINES: 1980, 1990 AND 1991

[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.]

Size of family unit	Effective April 21, 1980 <u>1/</u>	Effective Feb. 16, 1990 <u>2/</u>	Effective Feb. 20, 1991 <u>2/</u>
1	4,370	7,230	7,610
2	5,770	9,690	10,210
3	7,170	12,150	12,810
4	8,570	14,610	<u>3/</u> 15,410
5	9,970	17,070	18,010
6	11,370	19,530	20,610
7	12,770	21,990	23,210
8	14,170	24,450	<u>4/</u> 25,810

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 \$13,400 on the Mainland and \$16,750 in Alaska.

4/ For larger families, add \$2,600 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. 55, No. 33 (February 16, 1990), pp. 5664-5666, and "Annual Update of the HHS Poverty Income Guidelines," Federal Register, Vol. 56, No. 34 (February 20, 1991), pp. 6859-6861.

Table 393.-- ANNUAL INCOME AND EXPENDITURES OF URBAN CONSUMER UNITS,
FOR OAHU: 1982-83 TO 1988-89

[Data based on 928 sample interviews in 1982-83, 1,043 in 1984-85, 1,214 in 1986-87, and 1,071 in 1988-89. For detailed breakdowns, see sources]

Item	Annual averages (dollars)			
	1982-83	1984-85	1986-87	1988-89
Total expenditures	22,247	24,818	28,239	33,425
Food at home	2,838	2,994	2,600	2,814
Food away from home	1,265	1,350	2,195	2,414
Alcoholic beverages	460	413	351	388
Housing	6,122	6,934	8,610	10,266
Shelter	3,948	4,735	5,800	6,869
Utilities, fuels, and public services	1,142	1,144	1,099	1,259
Household operations	280	311	324	375
Housekeeping supplies .....	...	...	390	432
Housefurnishings and equipment	751	745	996	1,331
Apparel and services	1,080	1,158	1,688	1,740
Transportation	4,051	4,681	4,244	5,893
Health care	770	987	1,026	1,469
Entertainment	1,101	1,170	1,466	1,534
Personal care products and services	232	243	413	480
Reading	159	176	169	186
Education	380	454	665	710
Tobacco products and smoking supplies ..	177	214	208	251
Miscellaneous	482	480	603	792
Cash contributions	923	1,191	785	937
Personal insurance and pensions	2,204	2,391	3,217	3,550
Money income before taxes	27,937	30,751	32,575	39,733
Personal taxes	3,595	2,965	2,907	5,587
Net change in total assets	(NA)	(NA)	1,196	16,394
Net change in total liabilities	(NA)	(NA)	5,077	19,686
Other money receipts	227	579	1,313	201
Mortgage principal paid on owned property	635	490	509	616
Gifts of goods and services	690	700	918	1,339

NA Not available.

Source: U.S. Bureau of Labor Statistics, Consumer Expenditure Survey: Interview, 1984, Bulletin 2267 (August 1986), pp. 83-86; 1984-85, 1986-87, and 1988-89 printouts.

Table 394.-- TOP WEALTHHOLDERS: 1962 TO 1986

[Top wealthholders are defined as persons with a gross estate in excess of specified amounts, rising from \$60,000 in 1962 to \$500,000 in 1986. All figures are estimates based on estate tax return samples]

Group and year	Number of top wealthholders	Millions of dollars			AVG. = =
		Total assets	Debts and mortgages	Net worth	
Gross estate over \$60,000:					
1962	11,323	1,908	231	1,677	148,105
1969	36,470	6,327	1,090	5,236	143,570
1972	53,700	7,866	1,369	6,497	120,987
Gross estate over \$120,000:					
1976	39,000	7,436	1,546	5,890	151,026
Gross estate over \$325,000:					
1982	20,300	14,767	3,523	11,244	553,892
Gross estate over \$500,000:					
1982	8,700	10,864	2,919	7,946	913,333
1986	11,000	11,330	1,475	9,855	895,909

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, Spring 1988, pp. 31-46, and Spring 1990, pp. 63-78.

Table 395.-- TOTAL AND SELECTED ASSETS, DEBTS AND MORTGAGES, AND NET WORTH OF TOP WEALTHHOLDERS: 1986

[Top wealthholders are defined for this table as persons with net worth under \$10,000,000 and gross assets of \$500,000 or more]

Subject	Number of persons	Amount (millions of dollars)
Total assets ^{1/}	11,000	11,330
Debts and mortgages	10,100	1,475
Net worth	11,000	9,855
Total assets by type:		
Real estate	10,800	5,447
Corporate stock	8,900	2,439
Cash	10,700	1,041
Total bonds	5,800	806

^{1/} For the U.S., top wealthholders numbered 3,304,300. Hawaii ranked 42nd among the 50 States. In top wealthholders per 10,000 residents 18 years and over, ratios were 141 for Hawaii and 186 for the entire nation.

Source: U.S. Internal Revenue Service, "Estimates of Personal Wealth, 1986," SOI Bulletin, Spring 1990, pp. 63-78, table 7.

Table 396.-- WORTH OF RICHEST RESIDENTS: 1991

Name	Age (years)	Net worth (million dollars)
Barbara Cox Anthony	68	2,000
Doris Duke ^{1/}	78	750
Campbell family .....	...	675
Ward family .....	...	500
Kelley family .....	...	400
Richard Palmer Kaleioku Smart	78	300

^{1/} Also a resident of New Jersey and Rhode Island.

Source: "The Richest People in America," Forbes, October 21, 1991, pp. 145-317.

Table 397.-- GINI RATIOS: 1929 TO 1988

[Gini ratios are measures of income equality, ranging from zero to one. Lower ratios indicate relative equality of incomes; higher ratios, relative inequality]

Year	Gini ratio
1929 .....	.513
1959 .....	.428
1970 .....	.441
1988	<u>1/</u> .519

1/ The 1988 nationwide ratio was .526, compared with .428 in 1970. Hawaii ranked 32nd among the 50 States in income equality in 1988.

Source: First Hawaiian Bank, "Income Distribution in Paradise," Economic Indicators, January-February 1991.