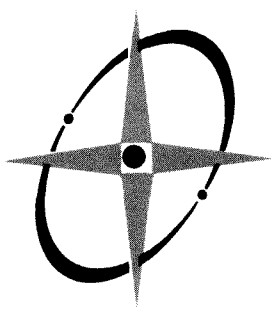


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# THE STATE OF HAWAII **DATA BOOK**

DEPARTMENT OF PLANNING AND ECONOMIC DEVELOPMENT  
Honolulu, Hawaii 96804



Hawaii

*A Statistical Abstract*  
*Published by the Information and Public Services Office*  
**DEPARTMENT OF PLANNING AND ECONOMIC DEVELOPMENT .**  
**STATE OF HAWAII**  
**Honolulu, Hawaii**  
**1968**



EXECUTIVE CHAMBERS

HONOLULU

JOHN A. BURNS  
GOVERNOR

*June, 1968*

*The State of Hawaii Data Book, a statistical abstract, is one of the basic publications issued by the Department of Planning and Economic Development. It brings together in one publication statistics on a variety of subjects which previously had been available only from many different sources. Its purpose is to provide a convenient and useful compilation of economic and demographic data about the State of Hawaii.*

*We hope that this second edition of the Data Book will be useful to economists, market analysts, planners, administrators, legislators and others who are vitally concerned with the economic growth of our State.*

*John A. Burns*



STATE OF  
HAWAII

## DEPARTMENT OF PLANNING AND ECONOMIC DEVELOPMENT

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The State of Hawaii Data Book, a compilation of statistical data, covers a wide range of demographic and economic subjects. Its purpose is to provide analysts and other research personnel in industry and government with the factual tools needed in their work.

The Data Book is, in effect, a statistical abstract and follows where practicable the format and context of the Statistical Abstract of the United States. However, statistical series are limited to those felt to be most useful and relevant to planning and economic development. Complete time series are given where possible. Analyses of the subjects treated statistically in this volume are available in other publications of the Department of Planning and Economic Development.

This is the second edition of the Data Book. The most recent data have been included and a few additional tables provided.

Because of size limitations, much available information could not be included. For more detailed information, related data or for other material not covered in the Data Book, readers should contact the Department of Planning and Economic Development or the agencies listed as data sources in footnotes or text.

Acknowledgment is gratefully made to the personnel of the many public and private agencies who assisted materially in the preparation of this publication. Without their cooperation and help, this publication would not have been possible.

The Data Book was compiled by the Office of Information and Public Services, Department of Planning and Economic Development. It was first issued in January 1967; this edition was prepared in June, 1968. Suggestions or comments for future editions are welcome.

Shelley M. Mark, Director

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## POPULATION

Hawaii's population is young, well educated and it is increasing at a rapid rate. Median age of the population is 24.3 years; the median education is 11.3 years of school completed.

Hawaii's people are of many races. No single race is in the majority. Recent figures show 38 percent of the population is Caucasian; 29 percent is of Japanese descent and the remainder includes Hawaiian, Chinese, Filipino, Korean and many other races.

There are three major estimates of the population -- the number of inhabitants, by the U. S. Bureau of the Census; the "resident population," by the Department of Planning and Economic Development; the "de facto civilian population," by the Department of Health. The estimates differ because they are prepared by somewhat different methods and are used for different purposes.

The "resident population" is computed semi-annually for January 1 and July 1 by the Department of Planning and Economic Development for the state, counties, the cities of Honolulu and Hilo and the individual islands of the state. The resident population figure includes civilian residents of the state, civilian dependents of military personnel residing in Hawaii, and military personnel stationed in Hawaii or on ships homeported in Hawaii. It includes the estimated number of residents temporarily absent from the state. It excludes the tourist population of the state.

The "de facto civilian population" is computed semi-annually by the State Department of Health for the dates January 1 and July 1 for the same areas and is used as the basis for resident population estimates. The de facto civilian population excludes all military personnel stationed in Hawaii although it does include civilian dependents who are living in the state. It also includes visitors to the state at their physical location on the two dates computed. Civilian residents temporarily absent are excluded.

The de facto population is estimated from birth and death records of the state plus records of incoming and outgoing overseas and inter-island passengers on ships and planes. The estimates provide the basic data needed by state and local governments for the civilian needs of health and protection services.

The U.S. Bureau of the Census enumeration of the population appears every 10 years, with estimates published annually. The annual estimates are prepared at the national level, using symptomatic data to estimate immigration and a different definition of military personnel than that used by the Department of Planning and Economic Development. The Bureau of the Census includes only those military personnel who are stationed on shore in Hawaii or who are actually in Hawaiian ports on the date of the estimates. Because of this and differences in estimating methods, annual population estimates by the Bureau of the Census for Hawaii differ from local estimates.

Table 1. -- TOTAL RESIDENT POPULATION OF HAWAII, BY COUNTY AND JUDICIAL DISTRICT:  
1960 AND 1965 WITH PROJECTIONS TO 1985

County and district	April 1, 1960	July 1, 1965	April 1, 1970	April 1, 1975	April 1, 1980	April 1, 1985
The State <sup>1</sup> ....	632,772	744,756	849,009	961,602	1,086,526	1,217,344
Hawaii County.....	61,332	59,290	61,052	65,005	69,486	73,933
Hamakua.....	5,221	5,228	5,218	5,441	5,714	5,978
Kau.....	3,368	2,758	2,748	2,809	2,882	2,948
North Hilo.....	2,493	2,253	2,148	2,102	2,062	2,017
North Kohala.....	3,386	2,779	2,650	2,662	2,710	2,754
North Kona.....	4,451	4,800	5,797	6,882	8,024	9,183
Puna.....	5,030	4,462	4,346	4,701	5,212	5,707
South Hilo.....	31,553	31,047	31,733	33,247	34,871	36,462
South Kohala.....	1,538	1,861	2,161	2,578	3,044	3,523
South Kona.....	4,292	4,102	4,251	4,583	4,967	5,361
Honolulu County....	500,409	613,027	713,002	816,007	930,000	1,049,997
Ewa.....	78,666	105,926	138,756	172,601	202,886	229,659
Honolulu <sup>2</sup> .....	294,194	337,787	388,344	431,934	479,489	531,573
Koolauloa.....	8,043	10,850	12,496	13,281	14,885	17,515
Koolaupoko.....	60,238	86,003	98,403	118,101	142,403	163,348
Wahiawa.....	34,595	39,530	40,826	41,916	44,774	51,517
Waiialua.....	8,221	9,791	10,465	11,694	13,636	16,404
Waianae.....	16,452	23,140	23,712	26,480	31,927	39,981
Kalawao County.....	279	251	244	244	245	244
Kauai County.....	28,176	26,461	27,435	29,666	32,242	34,701
Hanalei.....	1,312	1,385	1,405	1,504	1,623	1,742
Kawaihau.....	6,498	6,431	6,802	7,518	8,343	9,137
Koloa.....	7,012	6,936	7,163	7,964	8,953	9,893
Lihue.....	6,297	5,861	6,318	6,832	7,343	7,839
Waimea.....	7,057	5,848	5,747	5,848	5,980	6,090
Maui County.....	42,576	45,727	47,276	50,680	54,553	58,469
Hana.....	1,073	1,208	1,193	1,226	1,267	1,299
Lahaina.....	4,844	5,492	6,177	7,409	8,854	10,213
Lanai.....	2,115	2,975	3,013	3,156	3,318	3,487
Makawao.....	10,409	9,869	9,676	9,861	10,107	10,402
Molokai.....	4,744	5,694	5,946	6,429	6,977	7,539
Wailuku.....	19,391	20,489	21,271	22,599	24,030	25,529

1. Because of rounding and methodology the totals differ slightly from those shown in Table 6.

2. Since completion of this table, the 1965 population estimate for Honolulu (City) has been revised to 337,746.

Source: Department of Planning and Economic Development, General Plan Revision Program, Part IV, Table 8 for 1960 and 1965, Table 48 for 1970 - 1985.

Table 2. -- RESIDENT AND DE FACTO POPULATION OF HAWAII, BY GEOGRAPHIC AREA:  
JANUARY 1, 1968

Geographic area	Resident population			De facto civilian population	Visitors present	Residents absent
	Total	Civilian	Armed Forces			
The State.....	824,801	777,462	47,339	792,444	31,537	16,555
City & Co. of Honolulu <sup>1</sup> ..	683,796	636,753	47,043	645,651	22,255	13,357
City of Honolulu <sup>1</sup> .....	371,729	361,709	10,020	373,599	21,123	9,233
Remainder of county....	312,067	275,044	37,023	272,052	1,132	4,124
Other counties.....	141,005	140,709	296	146,793	9,282	3,192
Hawaii County.....	65,941	65,747	194	68,183	3,699	1,263
City of Hilo.....	28,127	28,046	81	28,802	1,359	603
Remainder of county..	37,814	37,701	113	39,381	2,340	660
Kalawao County.....	227	227		227		
Kauai County.....	25,049	25,025	24	26,354	2,130	801
Island of Kauai.....	24,757	24,733	24	26,062	2,130	801
Island of Niihau.....	292	292		292		
Maui County.....	49,788	49,710	78	52,029	3,453	1,134
Island of Lanai.....	2,431	2,431		2,428	17	20
Island of Maui.....	41,490	41,413	77	43,607	3,228	1,034
Island of Molokai <sup>2</sup> ...	5,867	5,866	1	5,994	208	80

1. Includes French Frigate Shoals (15 armed forces) and Kure Island (25 armed forces).

2. Excluding Kalawao County.

Source: Hawaii Department of Planning and Economic Development and Hawaii Department of Health, Statistical Report 56.

Table 3. -- RESIDENT POPULATION OF HAWAII BY COMPONENT FACTORS:  
JANUARY 1, 1961 TO 1968

(January 1)	Resident population			De facto civilian population	Visitors present	Residents absent
	Total	Civilian	Armed Forces			
1961....	651,504	596,851	54,653	605,336	12,863	4,378
1962....	682,491	623,004	59,487	631,927	14,188	5,265
1963....	698,702	639,273	59,429	649,590	15,188	4,871
1964....	713,997	654,371	59,626	670,959	22,597	6,009
1965....	743,734	680,898	62,836	695,458	22,167	7,607
1966....	756,544	699,478	57,066	714,627	23,398	8,249
1967 <sup>1</sup> ...	779,265	731,968	47,297	741,289	25,044	15,723
1968....	824,801	777,462	47,339	792,444	31,537	16,555

1. Revised April 27, 1968.

Source: Department of Planning and Economic Development, Population of Hawaii, January 1 of years shown.

Table 4. -- POPULATION OF THE STATE OF HAWAII, BY ETHNIC GROUP:  
1950 TO 1966

Ethnic group	Number			Percent		
	1950	1960	1966	1950	1960	1966
All groups...	499,794	632,772	743,878	100.0	100.0	100.0
Unmixed:						
Portuguese.....	} 114,793	202,230	25,235	} 23.0	} 31.9	} 3.4
Other Caucasian..			181,192			
Japanese.....	180,521	203,876	218,826	36.1	32.2	29.4
Filipino.....	53,391	68,691	58,043	10.7	10.8	7.8
Chinese.....	29,501	38,119	39,832	5.9	6.0	5.4
Hawaiian.....	12,206	10,502	8,644	2.4	1.6	1.2
Puerto Rican....			5,547			0.7
Samoan.....	} 15,160 )	17,807	1,942	} 3.0	} 2.8	} 0.3
Other races <sup>1</sup> ....						
Mixed:						
Part Hawaiian...	73,885	91,597	127,418	14.8	14.5	17.1
Non Hawaiian....	20,337	<sup>2/</sup>	61,872	4.1	<sup>2/</sup>	8.3
Not reported.....			2,581			0.3

1. Includes 2,651 Negroes in 1950, and 4,943 in 1960.

2. Reported under varying categories in 1960 and 1965.

Source: U.S. Census of Population 1950 and 1960; estimates by the Department of Planning and Economic Development, based on sample surveys by the Department of Health and Vocational Rehabilitation Plan for 1965 and 1966.

Table 5. -- POPULATION OF THE COUNTIES OF HAWAII, BY ETHNIC GROUP  
1966-1967  
(Excludes institutional and barracks population)

Ethnic stock	Number <sup>1</sup>				Percent			
	C-C of Honolulu	Hawaii County	Kauai County	Mauai County <sup>2</sup>	C-C of Honolulu	Hawaii County	Kauai County	Mauai County
All groups <sup>1</sup> ...	565,433	58,860	25,800	46,820	100%	100%	100%	100%
Unmixed:								
Portuguese.....	15,913	3,360	2,380	2,960	2.8	5.7	9.2	6.3
Other Caucasian..	141,858	5,480	1,720	4,510	25.1	9.3	6.7	9.6
Japanese.....	164,206	23,460	8,390	16,390	29.0	39.9	32.5	35.0
Filipino.....	39,435	5,660	5,240	6,170	7.0	9.6	20.3	13.2
Chinese.....	36,455	720	530	720	6.4	1.2	2.0	1.5
Hawaiian.....	5,643	1,560	350	870	1.0	2.6	1.4	1.8
Puerto Rican....	3,962	1,130	150	150	0.7	1.9	0.6	0.3
Samoan.....	1,870				0.3			
Other races.....	9,193			270	1.6			0.6
Mixed:								
Part Hawaiian....	98,524	11,120	4,170	9,780	17.4	18.9	16.2	20.9
Non Hawaiian....	48,057	4,860	2,500	4,590	8.5	8.2	9.9	9.8
Not reported.....	317	1,490	360	400	0.1	2.5	1.4	0.8

1. Estimated total for years given excluding institutional and barracks population.

2. Excluding Kalawao County.

Source: City and County of Honolulu from sample survey (of 4,469 households) by Hawaii State Department of Health, April 1, 1964-March 31, 1966. Other counties from sample survey of 2,044 households by Vocational Rehabilitation Plan, June-October 1967



Table 6. -- TOTAL RESIDENT POPULATION OF THE STATE OF HAWAII, BY SEX AND AGE:  
1960 AND 1965 WITH PROJECTIONS TO 1985

Sex and age (in years)	1960 <sup>1</sup>	1965 <sup>1</sup>	1970	1975	1980	1985
Total <sup>2</sup> .....	632,772	746,650	849,409	962,036	1,086,478	1,216,994
Male.....	337,552	393,478	443,708	496,954	556,169	618,496
Under 5.....	41,478	42,159	49,088	57,830	66,212	71,781
5 to 9.....	37,655	41,956	40,618	47,588	56,294	64,645
10 to 14.....	32,542	39,096	40,743	39,448	46,402	55,088
15 to 19.....	30,780	39,544	46,038	47,701	46,412	53,338
20 to 24.....	30,216	44,643	55,250	61,152	62,801	61,522
25 to 29.....	22,675	25,184	36,592	45,766	51,615	53,251
30 to 34.....	23,940	24,776	25,529	36,246	45,341	51,143
35 to 39.....	24,969	25,846	25,978	26,293	36,896	45,901
40 to 44.....	21,623	25,642	24,926	24,712	25,031	35,467
45 to 49.....	19,027	20,805	24,388	23,499	23,302	23,629
50 to 54.....	15,681	18,851	19,990	23,353	22,524	22,360
55 to 59.....	13,372	14,974	18,084	19,145	22,295	21,550
60 to 64.....	8,528	12,518	13,769	16,566	17,546	20,399
65 to 69.....	5,330	7,555	11,057	12,140	14,537	15,403
70 to 74.....	4,921	4,555	5,905	8,683	9,572	11,508
75 to 79.....	2,597	3,376	3,204	4,174	6,166	6,831
80 to 84.....	1,419	1,471	1,974	1,882	2,476	3,691
85 and over.....	799	526	573	777	745	991
Female.....	295,220	353,172	405,701	465,083	530,309	598,498
Under 5.....	39,513	39,930	46,618	54,986	63,003	68,320
5 to 9.....	35,505	40,095	38,615	45,365	53,705	61,698
10 to 14.....	31,360	37,042	40,076	38,634	45,373	53,700
15 to 19.....	24,629	32,463	37,416	40,459	39,019	45,745
20 to 24.....	20,184	30,108	40,189	45,166	48,201	46,766
25 to 29.....	21,871	25,835	34,359	44,424	49,384	52,409
30 to 34.....	25,092	26,651	26,546	35,047	45,066	50,007
35 to 39.....	23,975	26,861	27,528	27,452	35,898	45,857
40 to 44.....	18,615	24,070	25,720	26,403	26,335	34,702
45 to 49.....	14,083	18,695	23,759	25,399	26,082	26,026
50 to 54.....	10,658	14,528	18,333	23,283	24,894	25,575
55 to 59.....	9,437	10,743	14,518	18,198	22,986	24,557
60 to 64.....	7,060	9,369	10,505	14,087	17,591	22,152
65 to 69.....	5,430	6,876	9,053	10,109	13,413	16,657
70 to 74.....	3,776	5,077	5,939	7,848	8,788	11,696
75 to 79.....	2,069	2,943	4,014	4,715	6,256	7,034
80 to 84.....	1,345	1,332	1,936	2,663	3,151	4,217
85 and over.....	618	555	578	845	1,163	1,380

1. As of April 1.

2. Because of independent rounding and methodology the totals differ slightly from those shown in Table 1.

Source: Department of Planning and Economic Development, General Plan Revision Program: Part 4, Population Projections 1967, Tables 13 and 36.

Table 7. -- POPULATION OF THE COUNTIES OF HAWAII, BY AGE:  
1966-1967

Age group	Number <sup>1</sup>				Percent			
	C-C of Honolulu	Hawaii County	Kauai County	Maui County	C-C of Honolulu	Hawaii County	Kauai County	Maui County
All ages...	565,433	58,800	25,900	46,800	100.0	100.0	100.0	100.0
Under 6 years.	87,077	6,000	2,700	4,800	15.4	10.2	10.5	10.2
6 to 16.....	137,400	14,900	6,500	11,800	24.3	25.2	25.3	25.2
17 to 24.....	71,810	6,400	2,800	5,000	12.7	10.9	10.9	10.6
25 to 44.....	157,190	13,100	5,100	10,300	27.8	22.3	19.8	21.9
45 to 64.....	88,208	13,500	6,500	10,900	15.6	23.0	25.2	23.2
65 and over...	23,748	4,600	2,100	4,000	4.2	7.9	8.3	8.6
Not reported..		300		100		0.4		0.3

1. Estimated population excluding institutional and barracks population.

Source: City and County of Honolulu estimated from 4,469 households by Department of Health, April 1, 1964-March 31, 1966. Other counties from sample survey of 2,044 households by Vocational Rehabilitation Plan, June-October 1967.

Table 8. -- INTENDED RESIDENTS ARRIVING IN HAWAII BY WESTBOUND CIVILIAN CARRIERS:  
1956 TO 1967

Year ending Dec.31	Total	Military personnel	Military dependents	Other civilians	Not reported	Median age
1956....	11,268	1,840	NA	NA	NA	23.2
1957....	16,676	2,668	NA	NA	NA	22.5
1958....	16,412	2,440	NA	NA	NA	22.4
1959....	18,374	2,506	NA	NA	NA	23.6
1960....	15,030	2,088	NA	NA	NA	24.6
1961....	16,720	2,975	2,950	9,875	920	23.6
1962....	21,070	2,945	6,025	11,165	935	24.0
1963....	20,200	2,775	5,203	11,370	825	22.9
1964....	24,030	4,875	5,835	12,490	830	23.4
1965....	24,855	8,135	4,840	11,330	550	23.2
1966....	26,425	7,665	4,480	13,370	910	23.8
1967....	38,155	12,005	7,250	17,530	1,370	23.8

Source: Department of Planning and Economic Development, Hawaii's In-Migrants, 1967.

Table 9. -- ALTERNATIVE POPULATION ESTIMATES FOR HAWAII:  
1961 TO 1967

Year (July 1)	US Bureau of the Census		US Office of Bus. Economics <sup>1</sup>	Hawaii State Dept. of Planning Economic Development		Hawaii State: Dept. of Health de facto civilian <sup>1</sup>
	Total	Resident civilian <sup>1</sup>	Total	Total	Resident civilian <sup>1</sup>	
1961....	658,000	597,000	642,000	655,332	598,984	612,673
1962....	695,000	616,000	664,000	682,682	622,980	635,888
1963....	685,000	635,000	673,000	697,651	640,558	655,546
1964....	712,000	639,000	690,000	720,741	660,901	674,951
1965....	710,000	657,000	705,000	744,756	688,643	702,030
1966....	724,000	673,000	708,000	743,878	694,141	713,909
1967....	741,000	684,000	NA	786,618	735,616	759,582

1. Civilian population estimates for Office of Business Economics are the same as those for the Bureau of the Census. Resident civilian excludes visitors but includes absent residents; de facto civilian includes visitors but excludes absent residents.

Source: U.S. Bureau of the Census. Current Population Reports, Series P-25; U.S. Office of Business Economics, letter dated May 6, 1965; Department of Planning and Economic Development, statistical reports; Department of Health, semi-annual reports.

Table 10. -- RESIDENT POPULATION OF SELECTED CITIES AND PLACES IN HAWAII,  
BY COUNTIES: 1950 TO 1966

Area	1950	1960	1964	1965	1966
City-County of Honolulu:					
Aiea.....	3,714	11,826	14,400	15,100	15,800
Ewa.....	3,429	3,257			
Ewa Beach.....		4,627			
Honolulu (City) <sup>1</sup> .....	248,034	294,194	324,326	337,746	334,400
Kailua-Lanikai.....	7,740	25,622	31,000	32,000	
Kaneohe.....	3,208	14,414	22,600	23,300	
Luahalei.....	1,528	5,045			
Nanakuli.....	2,002	2,745			
Pearl City.....		10,220	17,800	19,600	
Wahiawa.....	8,369	15,512	16,200	16,600	18,500
Waianae-Makaha.....	1,000	6,844	9,320		
Waimanalo.....	868	3,011	6,100	6,300	
Waipahu.....			11,000	13,000	
Hawaii County:					
Hilo <sup>1</sup> .....	27,198	25,966	25,370	25,506	25,200
Kailua-Keauhou.....	326	466			
Kauai County:					
Lihue.....	3,870	3,908			
Maui County:					
Hoolehua (Mol.).....	973	990			
Kaunakakai (Mol.).....		740			
Kahului.....	6,306	4,223			
Lahaina.....	4,025	3,423			
Lanai City, (Lanai)...	2,746	2,056			
Wailuku.....	7,424	6,969			

1. July 1 for 1964, 1965 and 1966.

Source: U. S. Census of Population: Hawaii for 1950 and 1960, Department of Planning and Economic Development, 1964, 1965.

Table 11. -- NUMBER OF HOUSEHOLDS AND FAMILIES IN HAWAII,  
BY COUNTY: 1950 TO 1966

Subject and year	The State	C & C of Honolulu		Hawaii County	Kauai County	Maui County <sup>1</sup>
		Total	City of Honolulu			
Households: <sup>2</sup>						
1950.....	112,095	77,965	56,918	15,647	7,553	10,930
1960.....	153,064	117,856	76,675	15,789	8,078	11,341
1966 <sup>3</sup> .....	177,990	142,528	86,045	15,599	7,124	12,739
Families: <sup>4</sup>						
1950.....	96,460	69,100	50,695	13,080	5,515	8,765
1960.....	130,871	102,927	64,261	12,702	5,988	9,254
1966 <sup>3</sup> .....	161,363	129,843	75,198	13,760	6,047	11,713

1. Includes Kalawao County.

2. A household consists of all the persons who occupy a housing unit.

3. Based on sample surveys made 1964-1967 on Oahu and 1967 on the neighbor islands. Kalawao based on 1960 data.

4. A family consists of two or more persons living in the same household who are related to each other by blood, marriage, or adoption.

Source: U. S. Census, 1930-1960; Hawaii Health Surveillance Program survey, 1964-1967; Vocational Rehabilitation Plan survey, 1967.

LABOR AND WAGES

The civilian labor force for the state increased 55 percent between 1950 and 1967. The annual average for 1967 was 283,270 or approximately 34 percent of the civilian population. During the peak summer pineapple canning season, the civilian labor force rose to a high of 298,960.

Annual average unemployment for Hawaii dropped from 9.4 percent in 1950 to 3.5 percent in 1967--a figure considerably below the national average.

Hawaii's labor force is young, well-educated and has proven its ability to master the sophisticated equipment and techniques of today's space-age industries.

The Department of Labor and Industrial Relation, Research and Statistics Office is the primary source of information on employment statistics for Hawaii. The department publishes monthly and annual Labor Force Estimates for the state and the islands of Oahu, Hawaii, Kauai, Maui and Molokai-Lanai. It issues a monthly bulletin, Labor Force Developments and an annual report, Employment and Payrolls in Hawaii and conducts research on labor needs and related subjects.

The Department of Planning and Economic Development publishes a descriptive booklet, Hawaii's Labor Force and special reports dealing with current and projected employment of specified industries and areas within the state. The Commission on Manpower and Full Employment conducts research and analysis of manpower needs and training requirements.

Rates of pay throughout the state are collected and published annually by the Hawaii Employers Council. Rates are determined by a statewide survey conducted by the Council and representatives of state and county governments. The Employers Council also maintains wage and hour statistics and publishes research reports on personnel practices, labor laws and related subjects.

Table 12. -- CIVILIAN LABOR FORCE IN HAWAII, BY COUNTY: 1950 TO 1967

Monthly average <sup>1</sup>	State of Hawaii	City-County of Honolulu	Hawaii County	Kauai County	Maui County
1950...	187,773	131,876	24,922	12,379	18,596
1951...	191,678	134,698	25,212	12,104	19,664
1952...	194,067	137,859	24,866	12,466	18,876
1953...	196,142	139,675	24,955	12,898	18,614
1954...	197,376	141,033	25,285	12,793	18,265
1955...	199,276	143,323	25,137	12,891	17,925
1956...	204,082	149,937	25,177	11,827	17,141
1957...	207,564	155,275	23,771	11,682	16,836
1958...	211,540	161,770	22,000	11,580	16,190
1959...	222,980	172,800	22,190	11,570	16,420
1960...	235,140	184,660	22,270	11,420	16,780
1961...	242,850	192,060	22,180	11,480	17,130
1962...	246,180	195,260	22,240	11,590	17,090
1963...	250,880	199,140	22,400	11,880	17,470
1964...	255,800	203,980	22,490	11,600	17,730
1965...	269,000	214,610	24,090	11,750	18,580
1966...	281,900	225,900	24,900	12,050	19,500
1967p..	291,300	234,300	25,200	12,300	19,550

1. Data for 1958-1965 were revised April 1, 1966. Data for prior years may not be strictly comparable.

Source: Department of Labor and Industrial Relations, State of Hawaii.

Table 13. -- CIVILIAN EMPLOYMENT IN HAWAII, BY COUNTY: 1950 TO 1967

Monthly average <sup>1</sup>	State	City-County of Honolulu	Hawaii County	Kauai County	Maui County
1950....	170,075	119,369	22,384	11,644	16,678
1951....	183,400	129,465	23,806	11,649	18,480
1952....	185,645	131,919	23,658	12,117	17,951
1953....	186,600	132,458	23,877	12,422	17,843
1954....	185,617	132,147	23,951	12,307	17,212
1955....	189,352	136,413	23,773	12,352	16,814
1956....	195,075	144,105	23,646	11,272	16,052
1957....	199,831	150,414	22,558	11,111	15,748
1958....	201,370	156,180	20,040	10,280	14,870
1959....	216,140	167,540	21,590	11,180	15,830
1960....	228,050	179,350	21,520	10,990	16,190
1961....	232,910	184,320	21,300	10,980	16,310
1962....	234,420	185,980	21,330	11,020	16,090
1963....	238,630	189,640	21,310	11,250	16,440
1964....	247,560	197,360	21,820	11,260	17,120
1965....	259,680	207,450	23,100	11,260	17,870
1966....	272,730	218,910	23,930	11,580	18,310
1967....	280,820	226,150	24,190	11,810	18,670

1. Data from 1958 revised April 1, 1966. Data for prior years may not be strictly comparable.

Source: Department of Labor and Industrial Relations.

Table 14. -- RATE OF UNEMPLOYMENT IN HAWAII, BY COUNTY: 1950 TO 1967

Monthly average	State of Hawaii	City-County of Honolulu	Hawaii County	Kauai County	Maui County
1950....	9.4	9.5	10.2	5.9	10.2
1951....	4.3	3.9	5.6	3.8	6.0
1952....	4.3	4.3	4.8	2.8	4.9
1953....	4.9	5.2	4.3	3.7	4.1
1954....	6.0	6.3	5.3	3.8	5.8
1955....	5.0	4.8	5.4	4.2	6.2
1956....	4.4	3.9	6.1	4.7	6.3
1957....	3.7	3.1	5.1	4.9	6.4
1958....	3.4	3.2	3.9	4.4	3.9
1959....	3.1	3.0	2.7	3.4	3.6
1960....	3.0	2.9	3.4	3.8	3.5
1961....	4.1	4.0	4.0	4.4	4.8
1962....	4.7	4.7	4.1	4.9	5.8
1963....	4.8	4.7	4.6	5.3	5.9
1964....	3.9	3.8	4.5	4.3	4.6
1965....	3.4	3.3	4.0	4.1	3.8
1966....	3.2	3.1	3.9	3.9	3.8
1967....	3.5	3.4	4.0	3.7	4.4

Source: Department of Labor and Industrial Relations. Unemployment rates are computed on the basis of civilian labor force only.

Table 15. -- CIVILIAN EMPLOYMENT IN HAWAII, FOR SELECTED INDUSTRIES: 1950 TO 1967

Monthly average	Total Employment	Agriculture <sup>1</sup>	Mfg. <sup>2</sup>	Service	Trade	Govt.	Finance	Construction	Transportation <sup>3</sup>	Sugar <sup>4</sup>	Pine-apple <sup>4</sup>
1950....	170,075	27,235	24,708	15,271	27,092	33,140	3,429	8,798	11,206	22,893	12,167
1951....	183,400	29,064	24,756	16,299	29,059	40,024	3,555	10,491	10,867	22,410	13,980
1952....	185,645	28,600	24,751	17,537	29,658	40,616	3,761	10,724	10,899	22,346	13,091
1953....	186,600	28,965	24,723	18,235	30,633	39,257	4,021	10,798	10,869	22,352	12,829
1954....	185,617	28,607	24,143	18,592	31,193	39,082	4,351	9,812	10,556	21,854	11,955
1955....	189,352	28,054	24,602	19,631	32,842	39,731	4,568	9,768	10,709	20,955	12,361
1956....	195,075	25,018	24,786	20,130	34,277	42,804	4,886	10,583	11,551	17,937	12,528
1957....	199,831	23,866	24,895	22,442	35,268	43,361	5,305	11,321	12,198	16,815	12,047
1958....	201,370	18,010	22,590	25,640	36,640	46,970	7,360	12,660	12,960	12,770	10,780
1959....	216,140	19,880	24,900	27,100	39,810	48,320	8,090	15,080	13,830	15,400	10,830
1960....	228,050	19,190	25,770	29,310	42,720	49,510	9,240	17,600	14,780	14,630	11,150
1961....	232,910	18,550	25,730	31,470	44,000	50,390	10,160	17,170	14,850	14,160	10,890
1962....	234,420	17,760	25,020	32,700	45,320	51,170	10,840	15,110	15,120	13,400	10,200
1963....	238,630	17,010	25,030	34,210	46,040	52,890	11,040	15,050	15,370	13,090	10,210
1964....	247,560	17,080	25,240	36,370	47,810	54,440	12,090	16,270	15,630	12,930	10,520
1965....	259,680	16,840	24,520	38,850	50,650	57,840	13,280	17,920	16,380	12,620	9,790
1966....	272,730	16,830	24,240	41,050	54,010	62,630	13,730	18,970	17,450	12,370	9,190
1967....	280,820	16,760	24,510	43,730	55,520	66,210	14,390	17,240	18,350	12,020	9,470

1. Includes sugar and pineapple agricultural workers and self-employed workers in agriculture.
2. Includes sugar and pineapple mill and cannery workers.
3. Includes transportation, utilities and communications.
4. Includes agricultural, mill and cannery workers in these industries.

Source: Department of Labor and Industrial Relations, Labor Force Estimates and records.

Table 16. -- AVERAGE RATES OF PAY FOR SELECTED JOB CLASSIFICATIONS IN PRIVATE INDUSTRY, HAWAII: 1953 TO 1967

Year	Monthly rates				Hourly rates		
	Junior Typist	Steno- grapher	Secre- tary	Civil Engineer (entry)	Laborer	Hi-lift Operator	Auto Mechanic
1953....	\$193	\$247	\$317	\$405	\$1.15	\$1.36	\$1.72
1954....	191	270	326	434	1.16	1.41	1.72
1955....	191	234	328	466	1.15	1.51	1.74
1956....	205	279	340	434	1.16	1.47	1.80
1957....	208	278	331	540	1.22	1.51	1.87
1958....	226	291	343	475	1.35	1.90	2.00
1959....	232	301	355	556	1.38	2.00	2.11
1960....	234	313	368	488	1.46	1.73	2.27
1961 <sup>1</sup> ...	244	318	373	481	1.53	1.89	2.37
1962 <sup>2</sup> ...	257	321	380	524	1.61	1.96	2.42
1963....	255	335	391	560	1.71	2.19	2.49
1964....	266	347	408	582	1.82	2.26	2.64
1965....	NA	358	429	592	1.91	2.32	2.77
1966....	294	377	449	601	2.00	2.38	2.98
1967 <sup>3</sup> ...	304	386	470	708	2.16	2.48	3.18

1. Rates were published in January 1962.
2. Rates were published in December 1962.
3. For 1967, "Heavy Laborer."

Source: Hawaii Employers Council and state and local governments, Pay Rates in Hawaii for years shown. Rates are mean (weighted arithmetic average) for private industry. Data for 1962 and later years are for the year in which the pay rates were surveyed; for 1961 and prior years, survey results were printed the following year. Data are available for rates of pay by county, by industry, by government jurisdiction, by private industry and for government and industry combined.

Table 17. -- AVERAGE WEEKLY EARNINGS IN SELECTED INDUSTRIES IN HAWAII: 1962 TO 1967

Industry	1962	1963	1964	1965	1966	1967
Contract construction.....	122.25	125.51	137.25	137.11	159.33	164.21
Manufacturing.....	72.57	77.52	82.18	89.60	98.58	100.35
Food processing.....	69.93	72.95	76.33	84.02	93.61	
Textile and apparel.....	55.58	58.78	62.05	64.06	64.68	
Printing & publishing....	96.82	97.09	115.06	123.07	130.47	
Communications & utilities..	114.26	119.48	127.10	141.53	145.77	145.51
Trade <sup>1</sup> .....	67.58	73.44	72.42	73.64	75.46	78.54
Wholesale.....	88.65	89.27	93.22	93.27	96.77	
Retail.....	56.93	61.90	61.79	64.02	65.73	
Finance.....	84.16	87.12	90.79	95.30	90.27 <sup>2</sup>	91.32 <sup>2</sup>
Hotels.....	58.42	58.22	64.13	67.37	72.87	73.58
Laundries.....	46.60	49.41	53.80	52.98	51.45	61.22 <sup>2</sup>

1. Excludes eating and drinking establishments.
  2. Not strictly comparable with previous data.
- Source: Department of Labor and Industrial Relations.



## MILITARY PERSONNEL

Although world conditions produce changes in the number of military personnel stationed in Hawaii, the total number of military personnel and their dependents has been over 105,000 for many years. The number of uniformed personnel stationed ashore or on ships homeported in Hawaii was more than 52,000 during the early 1960's but dropped to 49,700 in 1967 and 47,300 in January 1968.

All branches of the armed services are represented in Hawaii. The unified military command for the entire Pacific, CINCPAC, is located at Camp Smith, Oahu. The Navy, with 21,300 officers and men in Hawaii, has largest representation, followed by the Air Force with 10,600 the Army with 8,000 the Marine Corps with 6,000 and the Coast Guard with 1,500.

A central source of information on the number of military personnel and dependents in Hawaii is the Department of Planning and Economic Development which publishes a semi-annual report, Military Personnel and Dependents in Hawaii, based on information supplied by local commanding officers of the armed forces.

Department of Planning and Economic Development estimates differ somewhat from those published by the Bureau of the Census, Office of Business Economics and the Department of Defense primarily because of differences in definition. The Bureau of the Census and Department of Defense include personnel stationed on board ships only if they are actually in port on the date of the estimate. The Office of Business Economics omits all personnel on board ship. The Department of Planning and Economic Development includes personnel stationed on ships homeported in Hawaii.

Table 18. -- MILITARY PERSONNEL IN HAWAII, BY BRANCH OF SERVICE:  
1959 TO 1968

Date	Total	Air Force	Army	Coast Guard	Marine Corps <sup>1</sup>	Navy <sup>1</sup>
1959 Spring...	56,303	6,314	16,259	1,242	--	32,488
1960 April 1..	52,881	6,089	15,500	1,393	--	29,934
1961 Jan. 1...	54,653	6,699	16,159	1,486	--	30,309
July 1...	56,348	6,919	16,353	1,616	--	31,460
1962 Jan. 1...	59,487	7,149	18,556	1,547	--	32,235
July 1...	59,702	7,416	18,439	1,510	--	32,337
1963 Jan. 1...	59,429	7,384	17,440	1,365	10,086	23,086
July 1...	57,093	7,646	17,000	1,519	10,327	20,601
1964 Jan. 1...	59,626	7,718	18,000	1,546	10,113	22,249
July 1...	59,840	7,808	19,000	1,555	10,450	21,027
1965 Jan. 1...	62,836	9,436	17,000	2,114	10,653	23,633
April 1..	56,336	9,243	18,500	1,543	3,597	23,453
July 1...	56,113	9,217	20,000	1,513	3,346	22,037
1966 Jan. 1...	57,066	9,897	17,000	1,676	1,116	27,377
July 1...	49,737	10,613	6,700	1,748	3,978	26,698
1967 Jan. 1...	47,297	10,473	8,500	1,650	5,483	21,191
July 1...	51,002	10,841	11,000	1,698	5,936	21,527
1968 Jan. 1...	47,339	10,558	8,000	1,458	6,026	21,297
July 1...	--	--	--	--	--	--

1. Navy and Marine Corps personnel combined through 1962.

Source: Department of Planning and Economic Development, Military Personnel in Hawaii, July 1, 1968 and reports for previous years.

Table 19. -- MILITARY PERSONNEL IN HAWAII, BY ISLAND: 1959 TO 1968

Date	Total	Oahu	Hawaii	Kauai	Maui	Molokai	Other <sup>1</sup>
1959 Spring...	56,303	56,050	NA	NA	NA	NA	NA
1960 April 1..	52,881	52,555	132	140	20	19	15
July 1...	53,450	53,138	143	152	20	19	22
1961 Jan. 1...	54,653	54,237	164	177	20	18	37
July 1...	56,348	55,974	153	138	20	17	46
1962 Jan. 1...	59,487	59,126	NA	NA	NA	NA	NA
July 1...	59,702	59,372	117	135	18	14	46
1963 Jan. 1...	59,429	59,143	113	97	18	15	43
July 1...	57,093	56,752	149	103	21	21	47
1964 Jan. 1...	59,626	59,297	156	90	19	18	46
July 1...	59,840	59,431	171	131	41	18	48
1965 Jan. 1...	62,836	62,431	166	134	42	18	45
April 1..	56,336	55,872	155	133	42	17	117
July 1...	56,113	55,720	164	132	39	17	41
1966 Jan. 1...	57,066	56,703	149	20	136	17	41
July 1...	49,737	49,467	141	32	53	1	43
1967 Jan. 1...	47,297	47,007	142	26	74	1	47
July 1...	51,002	50,656	196	24	80	1	45
1968 Jan. 1...	47,339	47,003	194	24	77	1	40

1. Includes: French Frigate Shoals, Kure, Kahoolawe.

Source: Departments of Planning and Economic Development, Military Personnel and Dependents in Hawaii, for dates given.

Table 20. -- MILITARY PERSONNEL, THEIR DEPENDENTS AND FAMILIES IN HAWAII: 1959 TO 1968

Date	Personnel and dependents	Military personnel			Dependents in Hawaii	No. of military families
		Total	Ashore	Aboard Ship		
1959 Spring....	112,525	56,303	--	--	56,222	--
1960 April 1...	112,938	52,881	41,927	10,954	60,057	19,631
1961 Jan. 1....	115,324	54,653	43,723	10,930	60,671	19,567
July 1....	118,381	56,348	44,155	12,193	62,033	21,007
1962 Jan. 1....	121,464	59,487	47,402	12,085	61,977	21,281
July 1....	122,933	59,702	48,020	11,682	63,231	21,973
1963 Jan. 1....	122,968	59,429	47,413	12,016	63,539	21,967
July 1....	118,588	57,093	45,364	11,739	61,495	21,651
1964 Jan. 1....	125,602	59,626	48,242	11,384	65,976	23,025
July 1....	128,930	59,840	47,969	11,881	69,090	21,631
1965 Jan. 1....	135,648	62,836	48,227	14,609	72,812	24,011
April 1...	126,792	56,336	44,063	12,273	70,456	22,339
July 1....	121,929	56,113	42,960	13,153	65,816	23,156
1966 Jan. 1....	116,328	57,066	39,719	17,147	59,262	20,515
July 1....	112,359	49,737	31,476	18,261	62,622	21,154
1967 Jan. 1....	110,820	47,297	34,452	12,845	63,523	21,394
July 1....	112,303	51,002	38,904	12,098	61,301	20,854
1968 Jan. 1....	105,700	47,339	35,593	11,746	58,361	19,851

Source: Department of Planning and Economic Development, Military Personnel and Dependents in Hawaii, reports for dates given.

## INCOME

Personal income in Hawaii exceeded 2.4 billion dollars in 1967--an alltime high for the state. Recently revised figures by the U. S. Department of Congress show that the annual percentage increases in Hawaiian income from 1958 to 1966 were more than those for the United States. Per capita income for Hawaii is above the national average.

Primary sources of information on income are the U. S. Department of Commerce series on personal income, per capita income and per capita disposable income which appear in the Survey of Current Business.

The Department of Planning and Economic Development analyzes and projects state income by source and area and distribution in reports and studies, and includes income statistics in informational brochures.

The First National Bank of Hawaii, Department of Economic Research, prepares annual estimates of personal and per capita income for the four counties. The Bank of Hawaii, Department of Business Research, publishes an annual mid-year economic report which summarizes income to the state from sales of goods and services in various industries. The Department of Health includes income in the data surveyed in the Health Surveillance Program. Studies on Hawaii's income are prepared from time to time by the Economic Research Center and other agencies of the University of Hawaii.

Extensive summaries of income data for Hawaii by geographic area and other classifications are published in the U. S. Census, Social and Economic Characteristics, Hawaii, 1960.

Table 21. -- SELECTED SOURCES OF INCOME IN HAWAII: 1950 TO 1967  
(in millions of dollars)

Year	Defense expenditures	Visitor expenditures	Value of sugar production	Value of pineapple production	Total pineapple and sugar
1950....	147.0	24.2	123.9	102.4	226.3
1951....	213.5	29.0	135.1	95.6	230.7
1952....	245.1	32.8	138.0	96.9	234.9
1953....	251.1	42.6	147.8	113.5	261.3
1954....	237.2	48.9	141.4	108.8	250.2
1955....	272.5	55.0	145.7	115.7	261.4
1956....	284.5	66.0	148.9	122.5	271.4
1957....	307.9	77.6	147.5	115.9	263.4
1958....	327.4	82.7	106.4	130.1	236.5
1959....	338.0	109.0	131.0	127.5	258.5
1960....	373.1	131.0	127.4	119.3	246.7
1961....	401.9	137.0	144.9	119.4	264.3
1962....	375.8	154.0	159.7	114.9	274.6
1963....	368.6	186.0	191.3	123.5	314.8
1964....	415.9	225.0	166.6	127.5	294.1
1965....	460.0	265.0	175.0	126.6	301.6
1966....	517.0	302.0	191.0	127.6	318.6
1967....	600.0	400.0	191.0	--	--

Sources: Department of Planning and Economic Development; Hawaii Visitors Bureau; Bank of Hawaii, Department of Business Research.

Table 22. -- PER CAPITA PERSONAL INCOME IN THE UNITED STATES AND HAWAII:  
1950 TO 1967

Year	United States	State of Hawaii	City-County of Honolulu	Hawaii County	Kauai County	Maui County
1950...	1,496	1,387	\$1,534	\$1,031	\$1,142	\$1,131
1951...	1,652	1,580	NA	NA	NA	NA
1952...	1,733	1,747	NA	NA	NA	NA
1953...	1,804	1,796	NA	NA	NA	NA
1954...	1,785	1,802	NA	NA	NA	NA
1955...	1,876	1,837	1,970	1,266	1,342	1,258
1956...	1,975	1,900	2,044	1,309	1,453	1,272
1957...	2,045	1,944	2,077	1,309	1,448	1,471
1958...	2,068	1,987	2,112	1,292	1,459	1,390
1959...	2,161	2,156	2,290	NA	1,631	1,503
1960...	2,215	2,369	2,542	1,678	1,779	1,724
1961...	2,264	2,488	2,643	1,849	1,957	1,829
1962...	2,368	2,530	2,684	2,000	2,085	1,871
1963...	2,455	2,639	2,755	2,148	2,481	2,130
1964...	2,586	2,771	2,869	2,398	2,623	2,214
1965...	2,760	2,882	2,962	2,529	2,791	2,347
1966...	2,963	3,124	NA	NA	NA	NA
1967...	3,159	3,331	NA	NA	NA	NA

Sources: U. S. Department of Commerce, Survey of Current Business, August 1968 for national and state data; First National Bank of Hawaii, Department of Economic Research for county data. County data prior to 1965 are based on unrevised data and may not be strictly comparable.

Table 23. -- INCOME OF FAMILIES, FOR OAHU: 1960 AND 1964-1967

Family Income (before taxes)	Number of families		Percent distribution		Percent change
	1960	1964-67 <sup>1</sup>	1960	1964-67 <sup>1</sup>	
All families...	102,967	129,843	100.0	100.0	26.2
Under \$2,000.....	6,663	4,127	6.5	3.2	-38.1
\$2,000 to \$2,999.....	5,029	5,742	4.9	4.4	14.2
\$3,000 to \$3,999.....	9,099	8,319	8.8	6.4	-8.6
\$4,000 to \$4,999.....	10,890	12,336	10.6	9.5	13.3
\$5,000 to \$6,999.....	22,017	23,689	21.4	18.2	7.6
\$7,000 to \$9,999.....	23,391	30,719	22.7	23.7	31.3
\$10,000 to \$14,999...	17,654	30,086	17.2	23.2	70.4
\$15,000 and over.....	8,184	14,825	8.0	11.4	81.1
Median income.....	\$6,792	\$8,046	--	--	18.5

1. Summary of data collected during the three-year period April, 1964-March, 1967.

Source: Department of Planning and Economic Development, Income of Oahu Families by Census Tract, 1964-1967.

Table 24. -- TOTAL PERSONAL INCOME IN THE UNITED STATES AND IN HAWAII, BY COUNTY:  
1950 TO 1967 (in millions of current dollars)

Year	Personal Income					
	United States	State of Hawaii	City-County of Honolulu	Hawaii County	Kauai County	Maui County
1950...	\$226,214	\$ 692	\$ --	\$ --	\$ --	\$ --
1951...	253,233	793	--	--	--	--
1952...	269,767	865	--	--	--	--
1953...	285,458	896	--	--	--	--
1954...	287,613	908	--	--	--	--
1955...	308,265	972	--	--	--	--
1956...	330,481	1,041	--	--	--	--
1957...	348,462	1,114	--	--	--	--
1958...	358,474	1,178	--	--	--	--
1959...	380,963	1,315	--	--	--	--
1960...	398,725	1,478	1,253	100	50	75
1961...	414,411	1,598	1,354	110	55	79
1962...	440,192	1,680	1,418	119	59	84
1963...	463,053	1,776	1,487	128	67	95
1964...	494,913	1,912	1,601	142	69	101
1965...	534,816	2,030	1,698	150	74	108
1966...	580,483	2,232	NA	NA	NA	NA
1967...	625,068	2,415	NA	NA	NA	NA

Sources: U. S. Department of Commerce, Survey of Current Business, April 1968 for national and state data; First National Bank of Hawaii, Department of Economic Research for county data. County data not revised to equal revised state totals.

Table 25. -- PERCENTAGE DISTRIBUTION OF FAMILY INCOME, BY COUNTY: 1967

Yearly income	Percent of Families			
	City-County of Honolulu <sup>1</sup>	Hawaii County	Kauai County	Maui County
Total.....	100.0	100.0	100.0	100.0
Under \$2,000.....	3.2	9.7	6.5	9.7
\$2,000 to \$2,999.....	4.4	5.7	5.0	4.0
\$3,000 to \$3,999.....	6.4	8.1	10.2	6.1
\$4,000 to \$4,999.....	9.5	11.9	11.4	10.6
\$5,000 to \$6,999.....	18.2	16.9	19.9	19.7
\$7,000 to \$9,999.....	23.7	18.4	21.9	22.9
\$10,000 to \$14,999...	23.2	14.3	16.4	16.9
\$15,000 and over.....	11.4	10.0	6.4	8.3
Not reported.....	--	5.1	2.4	1.8
Median.....	\$8,046	\$6,446	\$6,579	\$6,904

1. Represents summary of data collected during the three-year period April 1964-March 1967.

Source: Department of Planning and Economic Development, Income of Oahu Families by Census Tract, 1964-1967 and Population Characteristics of the Neighbor Islands, 1967.

## COST OF LIVING

The Honolulu Consumer Price Index measures the change in cost for a "market basket" of goods and services customarily purchased by families of wage earners and clerical workers in Honolulu. Components of the "market basket" are determined by the Bureau of Labor Statistics, U. S. Department of Labor, in conformance with standard practices used for urban areas throughout the country.

Since December 1963, Honolulu has been included in the cities surveyed by the Bureau of Labor Statistics in the determination of the national average cost of living index. The December 1963=100 base has been used since that time. In prior years, the Department of Labor and Industrial Relations published a quarterly consumer price index and food index for Honolulu with a December 1943=100 base.

It should be emphasized that consumer price indexes for each city show only how prices have changed in that city since a certain data. They are not intended to be used to measure differences in living costs between cities.

The City Workers Family Budget, 1967, published by the Bureau of Labor Statistics gives the cost of a "standard package" of goods and services for a city worker's four-person family in 39 cities throughout the United States.

The Western Regional Office of the Bureau of Labor Statistics publishes a monthly comparison of prices for selected food items in Honolulu, San Francisco, Los Angeles and Portland.

The Federal Civil Service Commission surveys Federal workers periodically in areas where cost of living allowances traditionally have been paid. They evaluate typical expenses in these locations with those in Washington, D. C.

Table 26. -- COMPARISON OF COST OF LIVING FOR HONOLULU  
AND OTHER CITIES WITH WASHINGTON, D. C.:  
1962, 1964, 1965, AND 1966

Location	1962	1964	1965	1966
Washington, D. C.....	100.0	100.0	100.0	100.0
Honolulu, Hawaii.....	114.9	115.8	114.1	115.6
San Juan, Puerto Rico...	112.3	104.5	105.8	105.0
St. Croix, Virgin Is....	--	104.5	101.9	102.9
St. Thomas, Virgin Is...	115.3	106.3	104.4	104.5
Anchorage, Alaska.....	143.2	137.8	NS <sup>1</sup>	NS
Fairbanks, Alaska.....	146.5	142.4	NS	NS
Juneau, Alaska.....	132.8	129.3	NS	NS

1. Not surveyed in 1965, 1966.

Source: U. S. Civil Service Commission, various studies on living costs for Federal employees in "white collar" classifications.

Table 27. -- CONSUMER PRICE INDEXES FOR HONOLULU AND U. S. CITIES  
 AVERAGE: 1958 TO 1967  
 (Dec. 1963 = 100)

Year	All items		Food at home	
	Honolulu	All cities	Honolulu	All cities
1958...	88.0	93.6	88.8	98.7
1959...	89.7	94.3	90.6	96.2
1960...	91.8	95.8	93.2	96.9
1961...	94.1	96.8	95.1	97.9
1962...	96.7	98.0	97.3	98.5
1963...	99.8	99.2	100.2	99.8
1964...	100.3	100.5	100.8	101.0
1965...	102.1	102.1	103.7	103.4
1966...	104.9	--	106.3	--
1967...	107.8	--	108.1	--

Source: United States data from Bureau of Labor Statistics, Monthly Labor Review (base shifted to Dec. 1963 = 100 by Department of Planning and Economic Development); Honolulu 1950 to 1963 from Hawaii State Department of Labor and Industrial Relations, monthly releases (average and base shifted by DPED); Honolulu 1964-1967 from Bureau of Labor Statistics, CPI Monthly Report.

Table 28. -- COMPARATIVE COST OF LIVING FOR A CITY WORKER'S FOUR-PERSON FAMILY BUDGET, HONOLULU AND SELECTED CITIES: 1966

Item	Urban U.S. Aug.	Honolulu	San Francisco	Los Angeles	Dallas	Chicago	New York	Boston
Total Cost of Budget....	\$9,191	\$11,190	\$9,886	\$9,445	\$8,472	\$9,506	\$10,195	\$10,141
Food.....	2,143	2,551	2,188	2,100	2,021	2,153	2,380	2,317
Housing.....	2,214	2,845	2,408	2,164	1,891	2,549	2,655	2,732
Shelter.....	1,773	2,256	1,919	1,698	1,421	2,075	2,181	2,245
Housefurnishings.....	265	314	286	280	254	258	266	260
Hsld. Operations.....	216	278	203	186	217	215	207	227
Transportation.....	815	993	896	873	821	770	731	812
Clothing.....	756	737	819	794	702	770	789	756
Personal Care.....	214	222	253	231	214	229	217	210
Medical Care.....	468	469	550	626	478	484	497	471
Other family consumption	719	806	745	725	734	729	763	746
Reading.....	65	70	72	72	66	71	73	73
Recreation.....	306	354	333	324	304	307	308	297
Education.....	55	60	60	60	60	60	60	60
Tobacco.....	134	137	114	107	150	153	154	143
Alcohol.....	72	83	73	73	73	67	73	78
Miscellaneous.....	87	102	93	89	81	91	95	95
Gifts and Insurance.....	413	458	432	420	397	426	438	438
Occupational Expenses...	80	80	80	80	80	80	80	80
Social Security & Dis...	289	277	351	351	277	277	295	277
Personal Taxes.....	1,080	1,748	1,164	1,080	856	1,038	1,351	1,300

Source: U. S. Department of Labor, Bureau of Labor Statistics, City Workers Family Budget, Autumn 1966.

TAXES AND GOVERNMENT EXPENDITURES

Hawaii's tax structure has many features which provide a favorable tax climate for industry and investment. All major taxes are State administered and collected. There are no multiple local taxes, no personal property taxes, no special levies for school districts, etc. Real property tax rates, set by the county governments, are levied on a uniform state-wide assessment ratio and administered under a statewide property reappraisal program.

Hawaii's per capita tax payment for state and local governments of \$412 in 1967 ranked second among the states. Hawaii also ranked second among the states for per capita tax measured as a percent of per capita income.

Information on taxes and tax collections in Hawaii can be obtained from the Department of Taxation. Publications of the Department of Taxation include the monthly and annual reports of Tax Base for Certain Taxes, Hawaii Income Patterns, and Outline of Hawaii's Tax System. The Department of Planning and Economic Development publishes a brief resume of the tax laws in Hawaii's Tax Climate.

Government expenditures and Federal grants are reported annually by the Department of Accounting and General Services, the Department of Budget and Finance, County auditors, and the U. S. Department of Commerce.

A convenient compilation of information on these subjects is the publication, Government in Hawaii, A Handbook of Financial Statistics, published annually by the Tax Foundation of Hawaii, a privately-supported, non-profit organization. This handbook compares Hawaii's expenditures, tax collections, certain government salaries and public indebtedness with those of the other states.

Table 29. -- PER CAPITA STATE AND LOCAL GOVERNMENT TAXES  
IN HAWAII: 1958 TO 1967

Year ending June 30	Per capita tax collections		Per capita tax as a percent of per capita income	
	Amount	State Rank <sup>1</sup>	Percent	State Rank <sup>1</sup>
1958...	\$213.34	5	11.7%	3
1959...	235.43	5	12.7	1
1960...	238.62	7	11.3	7
1961...	259.81	4	11.3	11
1962...	265.66	5	11.3	10
1963...	255.99	14	10.7	18
1964...	272.01	11	11.0	17
1965...	297.91	8	10.7	22
1966...	365.32	3	12.7	2
1967p..	411.99	2	13.2	2

p. Preliminary

1. Hawaii's rank among the 50 states and the District of Columbia.

Sources: U. S. Department of Commerce: State Tax Collections, and Government Finances; Survey of Current Business.



Table 30. -- TAX COLLECTIONS IN HAWAII BY THE FEDERAL, STATE AND COUNTY GOVERNMENTS: 1951 TO 1967  
(in millions of dollars)

Year ending June 30	Total	Federal	State of Hawaii	Counties
1951...	173.9	98.0	71.5	4.3
1952...	216.5	135.0	76.8	4.6
1953...	218.1	136.3	76.7	5.0
1954...	219.7	136.2	78.3	5.3
1955...	210.8	126.3	79.1	5.4
1956...	231.6	140.7	85.4	5.5
1957...	253.9	154.3	93.8	5.8
1958...	287.2	166.3	114.6	6.3
1959...	314.3	175.2	132.7	6.4
1960...	372.0	216.9	148.2	6.8
1961...	414.0	242.3	164.3	7.3
1962...	453.0	272.2	172.8	8.0
1963...	454.6	271.2	175.3	8.2
1964...	493.3	293.4	191.3	8.6
1965...	507.7	290.2	212.7	9.2
1966...	596.8	323.6	263.2	10.0
1967...	619.8	339.6	267.8	12.4

Sources: Department of Accounting and General Services, Department of Taxation; Finance Department, City and County of Honolulu; and County Auditors.

Table 31. -- PER CAPITA DIRECT EXPENDITURE BY STATE AND LOCAL GOVERNMENTS IN HAWAII: 1960 TO 1966

Year (ending June 30)	All expenditures <sup>1</sup>	Hawaii's ranking among states <sup>2</sup> (all expend.)	Public school	Higher education	Highways	Health and welfare	Police and fire
1960...	\$372.06	6	\$108.01 <sup>3</sup>	--	\$40.82	59.81	21.51
1961...	414.80	5	127.57 <sup>3</sup>	--	40.50	60.74	21.16
1962...	426.93	5	132.42 <sup>3</sup>	--	37.73	60.14	19.97
1963...	460.30	5	105.79	40.45	39.84	71.43	22.04
1964...	491.55	5	108.78	38.59	46.26	74.16	23.37
1965...	494.40	5	117.57	40.79	50.99	78.92	24.99
1966...	564.11	6	130.99	56.61	56.36	91.46	28.06

1. Total includes expenditures for general control, interest on debt and other expenditures.

2. Hawaii's rank in total per-capita expenditures in ranking of all states and the District of Columbia.

3. Includes amount spent for higher education.

Source: U. S. Department of Commerce, Governmental Finances, for years shown.

Table 32. -- FEDERAL GRANTS TO HAWAII FOR SELECTED PURPOSES: 1955 TO 1967  
(in thousands of dollars)

Year ending June 30	Total	Airports	Education	Health <sup>1</sup>	Highways	Public Welfare <sup>2</sup>	School Construction
1955...	18,615	83	2,057	1,823	3,045	3,684	1,388
1956...	19,766	166	1,993	1,546	2,583	3,667	2,031
1957...	20,136	246	2,462	1,704	3,104	3,723	1,134
1958...	28,930	29	2,804	2,287	3,513	3,818	1,686
1959...	31,371	254	3,982	2,187	4,380	4,132	2,044
1960...	42,776	2,146	6,604	2,431	4,379	3,946	2,331
1961...	46,510	532	7,631	2,986	4,207	3,443	2,719
1962...	53,511	1,169	8,111	2,132	4,352	5,123	1,078
1963...	59,556	1,231	11,902	3,864	6,625	6,174	1,335
1964...	58,366	309	12,134	3,161	8,610	6,584	396
1965...	58,563	2,075	13,844	2,916	11,051	6,032	202
1966...	76,874	389	19,539	3,221	18,014	8,353	268
1967...	103,198p	147	31,203	4,103	23,367	11,511	1,678

1. Includes grants for hospital construction, public health and Hansen's Disease.

2. Includes grants for dependent children, old-age assistance and other welfare. Does not include assistance to veterans.

Source: Department of Accounting and General Services, State of Hawaii, reports of the State Comptroller.

Table 33. -- TAX BASE DATA FOR SELECTED CATEGORIES, STATE OF HAWAII: 1958-1967  
(in millions of dollars)

Year ending Dec. 31	Wages	Retailing	Wholesaling	Rentals	Services	Diversified Mfg.	Diversified Agriculture (producing)
1958...	586	665	283	111	136	104	52
1959...	775	756	320	134	165	129	50
1960...	867	847	355	153	189	146	51
1961...	934	860	360	171	203	169	53
1962...	992	921	386	195	228	158	54
1963...	1,034	928	396	208	232	171	58
1964...	1,114	999	436	236	241	179	56
1965...	1,208	1,098	483	276	261	189	63
1966...	1,317	1,185	547	304	277	205	63
1967...	1,439	1,272	571	362	306	218	67

Source: Department of Taxation, General Excise and Use Tax Base (1966 and 1967) and General Excise, Consumption and Compensating Tax Base for other years.

## FINANCE AND BANKING

A tremendous increase in investments in Hawaii by mainland United States and foreign capital has taken place during the past few years. Insurance company investments, in Hawaiian mortgages for example, tripled between the years 1960 and 1966.

Stocks and bonds are traded actively in Hawaii. Six members of the New York Stock Exchange have offices in Honolulu. Representatives of Japanese and other foreign investments companies operate in Honolulu. The value of stocks traded on the Honolulu Stock Exchange in 1967 was \$17 million. Trading in mainland stocks is many times this amount.

Hawaiian banking laws allow branch banking. The seven banks in Hawaii have more than 120 branch facilities throughout the state and in the Pacific area. Permissive legislation recently enacted by the State legislature allows banks to perform trust functions. One trust company and bank have merged, and others may follow suit.

All banks and other financial institutions operating in Hawaii come under the regulations of the Department of Regulatory Agencies, Bank Examination Division. Insurance companies--including domestic (Hawaiian-based), foreign (mainland U. S.) and alien (non-United States)--come under the jurisdiction of the Department of Regulatory Agencies, Insurance Division.

These two divisions are the primary sources of information for statistics on banking, insurance and other financial operations in Hawaii.

Table 34. -- MORTGAGES ON HAWAIIAN REAL ESTATE HELD BY SELECTED TYPES OF INSTITUTIONS: 1950 AND 1960 TO 1966

Year ending Dec. 31	Total	Com- mercial banks	Savings and loan associ- ation	Insur- ance compa- nies	State retire- ment fund	Industrial loan companies	Trust compa- nies
1950...	129.7	84.7	39.9	0.7	0.2	0.4	3.8
1960...	535.1	203.1	185.0	110.0	27.0	5.5	4.4
1961...	616.7	203.6	209.0	159.9	34.7	6.4	3.1
1962...	680.7	220.9	229.2	181.3	39.3	7.4	2.6
1963...	812.2	226.3	312.8	218.5	42.2	9.7	2.7
1964...	949.8	249.3	377.2	261.3	43.8	15.7	2.4
1965...	1,073.6	259.4	423.6	321.4	50.9	16.4	2.0
1966...	1,206.6	298.5	438.0	379.4	68.0	20.9	1.8

Source: Department of Regulatory Agencies, Bank Examination Division and Department of Budget and Finance, Employee Retirement System.

Table 35. -- COMMERCIAL BANKS IN HAWAII, DEPOSITS AND ASSETS: 1950 TO 1967

Year ending Dec. 31	Number of banks	Number of branches	Total deposits	Time deposits	Demand deposits	Other deposits	Total assets
			(in millions of dollars)				
1950...	4	40	385	188	120	76	409
1958...	5	68	563	196	220	146	609
1959...	6	73	668	214	267	187	726
1960...	7	87	743	233	275	235	813
1961...	7	95	805	266	287	252	887
1962...	7	111	844	305	296	243	936
1963...	7	114	853	331	312	210	948
1964...	7	118	908	350	335	222	1,036
1965...	7	123	1,005	394	373	238	1,155
1966...	7	126	1,043	428	384	231	1,196
1967...	7	126	1,181	495	434	252	1,130

Source: Department of Regulatory Agencies, Bank Examination Division.

Table 36. -- SAVINGS AND LOAN ASSOCIATIONS, TRUST COMPANIES AND INDUSTRIAL LOAN COMPANIES IN HAWAII: 1940, 1950, 1958-1967

Year ending Dec. 31	Savings & Loan Associations		Trust companies		Industrial Loan companies	
	Number of companies	Total assets (in millions)	Number of companies	Total assets (in millions)	Number of companies	Total assets (in millions)
1940...	10	\$ 8	5	\$13	31	\$ --
1950...	10	47	5	20	40	--
1958...	11	156	5	23	96	--
1959...	10	183	5	24	114	--
1960...	10	210	5	23	124	89.1
1961...	13	243	5	27	143	102.2
1962...	16	288	5	25	166	108.8
1963...	16	302	5	27	162	118.3
1964...	18	430	5	26	171	143.8
1965...	17	482	5	32	173	174.2
1966...	14	508	4	25	175	184.4
1967...	14	540	4	27	187	195.2

Source: Department of Regulatory Agencies, Bank Examination Division.

PUBLIC UTILITIES

The use of telephones, gas and electricity have continued to increase with the rapid expansion of population and economic development in Hawaii.

Electric power throughout the state is supplied by six commercial power companies--Hawaiian Electric Co.; Hilo Electric Co.; Kauai Electric Co.; Lahaina Light and Power Co.; Maui Electric Co.; and Molokai Electric Co. In addition, some plantations and military installations generate and distribute their own power.

Hawaii has no natural gas supply, but manufactured gas is used extensively in the state. Metered gas is available in many urban areas and bulk or cylinder propane gas is used elsewhere. Gas is supplied by the Honolulu Gas Company and its Isle Gas Division.

Telephone service throughout the state is furnished by the Hawaiian Telephone Company. Dial service is available on each of the islands. Radio telephone service is used between the islands; undersea cables provide transpacific service to the mainland U. S., Pacific areas and the Far East. Satellite communications systems are available, through the military SATCOM system and the commercial COMSAT system, both of which have ground stations in Hawaii. Hawaiian Telephone is one of the participating companies in COMSAT.

All public utilities in Hawaii operate under the regulations of the Public Utilities Commission, Department of Regulatory Agencies. The Commission and the utility companies are the major sources of information on rates and usage.

Bus and tour service also are under the jurisdiction of the Public Utilities Commission. Information on services, rates and regulations are available through the Commission. Metered taxi services are under the jurisdiction of the county governments.

Table 37. -- ELECTRICITY GENERATED OR PURCHASED FOR SALE  
IN HAWAII, BY COMPANY: 1960-1967  
(in million KWH)

Year ending Dec. 31	State Total <sup>1</sup>	Hawaiian Electric	Maui Electric <sup>2</sup>	Lahaina Light and Power	Molokai Electric	Hilo Electric	Kauai Electric
1960	1,820.0	1,552.4	100.6	6.9	12.2	101.7	46.1
1961	2,006.6	1,719.7	107.1	7.2	12.1	110.1	50.4
1962	2,208.3	1,895.7	112.1	7.9	12.6	125.2	50.8
1963	2,531.2	2,213.8	107.4	10.3	12.9	128.9	57.8
1964	2,587.6	2,226.9	133.8	11.6	14.8	137.1	63.4
1965	2,761.3	2,370.0	138.9	15.1	14.2	156.1	66.9
1966	2,987.2	2,569.7	142.1	17.4	13.9	170.2	73.8
1967	3,212.9	2,798.2	118.9 <sup>3</sup>	17.8	14.4	184.7	76.2

1. All companies in Hawaii, except Molokai Electric Co., purchase some of their power from private firms for resale.

2. Includes Hana Electric Co. which merged with Maui Electric, Co. in 1965.

3. Includes Lahaina Light and Power after October 13, 1967 when merger with Maui Electric became effective.

Source: Department of Regulatory Agencies, Public Utilities Commission.

Table 38. -- GAS SALES IN HAWAII, BY COUNTY: 1955 TO 1967  
(in thousand therms)

Year ending Dec. 31	State	City-County of Honolulu		Hawaii County	Kauai County	Maui County
		Meter	Other			
1955 . . .	13,517	13,101	--	416	--	--
1956 . . .	15,952	13,468	787	1,125	258	314
1957 . . .	16,432	13,698	1,026	1,032	330	346
1958 . . .	16,815	14,094	995	1,080	283	363
1959 . . .	17,451	14,399	1,125	1,213	318	396
1960 . . .	18,978	15,354	1,184	1,331	361	447
1961 . . .	20,832	16,210	2,111	1,574	431	505
1962 . . .	22,594	17,548	2,355	1,600	514	576
1963 . . .	23,663	18,249	2,463	1,709	563	679
1964 . . .	24,912	19,111	2,655	1,866	650	731
1965 . . .	26,123	19,711	2,830	1,969	743	870
1966 . . .	27,084	20,297	2,874	2,107	838	968
1967 . . .	29,336	21,708	3,228	2,330	950	1,120

Source: Department of Regulatory Agencies, Public Utilities Commission

Table 39. -- NUMBER OF TELEPHONES IN SERVICE IN HAWAII, BY ISLAND:  
1955 TO 1967

Year ending Dec. 31	State Total	Island					
		Oahu	Hawaii	Maui	Kauai	Molokai	Lanai
1955 . . .	143,063	114,678	13,118	8,161	5,701	895	510
1956 . . .	154,212	123,888	13,830	8,615	6,422	937	520
1957 . . .	166,385	133,766	14,686	9,393	7,068	951	521
1958 . . .	176,750	143,189	15,181	9,683	7,186	1,011	500
1959 . . .	191,373	156,291	16,047	9,994	7,473	1,064	504
1960 . . .	208,411	171,793	16,603	10,502	7,949	1,052	512
1961 . . .	221,599	183,401	17,491	10,793	8,324	1,072	518
1962 . . .	233,680	193,570	18,338	11,348	8,760	1,125	539
1963 . . .	247,629	205,342	19,309	12,161	9,063	1,195	559
1964 . . .	265,793	220,939	20,326	12,927	9,761	1,267	573
1965 . . .	283,689	236,006	21,719	13,822	10,244	1,313	585
1966 . . .	302,506	251,505	23,157	14,824	11,060	1,364	596
1967 . . .	323,849	268,190	25,455	16,213	11,884	1,493	614

Source: Hawaiian Telephone Company. Does not include military telephone systems.

Table 40. -- COMPARATIVE MONTHLY BILLINGS FOR ELECTRIC COMPANIES IN HAWAII BY COUNTY  
(effective rates for selected rate schedules, June 1968)

County Served	HONOLULU	HAWAII	KAUAI	MAUI				
Utility Company	Hawaiian Electric	Hilo Elec. & Light	Kauai Electric	Maui Electric	Lanai Division	Hana Division	Lahaina L & P	Molokai Electric
<u>Residential Service</u>								
Minimum Bill	\$ 1.40	\$ 2.50	\$ 1.50	\$ 2.50	\$ 1.22	\$ 2.00	\$ 2.50	\$ 2.50
50 KWH ...	3.02	4.59	3.48	4.21	3.50	4.87	4.21	5.08
100 KWH ...	4.78	6.84	5.96	6.66	5.59	7.99	6.66	8.11
300 KWH ...	9.41	14.32	12.89	13.26	11.37	15.67	13.26	14.46
500 KWH ...	13.24	19.36	18.82	17.66	16.55	21.43	17.66	20.20
750 KWH ...	18.03	24.84	26.23	23.16	23.02	28.63	23.16	27.38
1,000 KWH ...	22.82	30.32	33.65	28.66	29.49	35.84	28.66	34.56
<u>General Lighting</u>								
Minimum Bill	\$ 1.41	\$ 2.50	\$ 3.00	\$ 2.50	\$ 1.22	\$ 2.50	\$ 3.80	\$ 2.50
100 KWH ...	6.38	8.62	7.09	9.98	8.86	10.00	10.20	12.78
500 KWH ...	26.48	35.46	27.05	41.58	37.61	39.96	33.20	49.14
750 KWH ...	38.36	50.98	37.65	58.08	52.08	55.81	45.45	69.37
1,000 KWH ...	50.23	66.50	48.25	74.58	66.56	71.66	56.70	89.60
3,000 KWH ...	117.24	145.68	118.06	176.58	170.32	176.86	133.20	221.42
5,000 KWH ...	176.25	209.85	182.87	248.58	270.09	274.86	199.20	323.25
7,500 KWH ...	245.51	277.57	246.38	338.58	394.80	383.61	276.70	450.53
10,000 KWH ...	311.77	345.29	309.90	428.58	519.51	492.36	354.20	577.81
<u>Comm'l. Cooking, Heating &amp; Refrigeration</u>								
Minimum Bill	\$ 3.00	\$ 2.50	\$ 3.00	\$ 3.75	\$ 3.00			\$ 3.00
100 KWH ...	4.05	6.70	7.09	7.29	5.93			5.09
200 KWH ...	7.60	11.41	12.83	13.19	10.82			10.18
500 KWH ...	14.11	22.54	27.05	26.09	22.48			25.46
750 KWH ...	18.44	30.56	37.65	36.84	32.20			34.43
1,000 KWH ...	22.76	37.18	48.25	47.59	41.92			43.41

Source: Department of Regulatory Agencies, Public Utilities Commission

## TRANSPORTATION

Because of its mid-Pacific location, Hawaii's transportation is particularly important to the economy of the state.

Far-reaching technological changes have occurred in both air and sea transportation over the past decade. Jet aircraft have reduced flight time across the Pacific almost in half; reduced fares and increased visitor travel have greatly increased the number of flights. In 1967, Honolulu International Airport ranked as the 28th among 313 airports in the nation with an average of 837 aircraft operations a day.

Containerization and use of ships especially designed for specific cargo have made important changes in the ocean shipping industry in Hawaii. American and foreign shipping lines bring passengers and cargo to Hawaii from ports throughout the world. There were more than 1,600 ocean-going ship arrivals in Honolulu Harbor in 1967.

Within the state, travel between the islands is almost entirely by air. Two intra-state scheduled airlines provide jet service between major points in each county. Air taxi and charter services are also available and plans for an inter-island passenger and car ferry service are being pursued.

Modern highways link major destination areas on all the islands. Scheduled bus service is available on Oahu; chartered bus service is available on the other islands.

Primary sources of information concerning transportation are the three divisions of the Department of Transportation: Airports Division, Harbors Division, Highways Division and the Department of Regulatory Agencies, Public Utilities Commission. The major air and ocean carriers have extensive statistical data on traffic between different points; some of this information is made available for specific purposes at their discretion.

Information on bus services and rates can be obtained from the Department of Regulatory Agencies, Public Utilities Commission.

Table 41. -- ARRIVALS AND DEPARTURES OF OVERSEAS VESSELS,  
PORT OF HONOLULU: 1960 TO 1967

Year ending June 30	Number of vessels			INWARD		OUTWARD	
	Total	United States	Foreign	Cargo Tons	Passen- gers	Cargo Tons	Passen- gers
1960 ...	1,411	1,066	345	3,120,416	43,862	911,154	37,041
1961 ...	1,518	1,110	408	4,168,411	35,700	1,289,723	38,402
1962 ...	1,818	1,082	736	4,348,028	36,781	1,349,714	30,144
1963 ...	1,799	1,126	873	3,925,209	35,136	1,350,289	27,624
1964 ...	2,064	1,053	1,011	4,585,585	30,738	1,457,873	25,439
1965 ...	1,948	1,166	782	5,295,505	29,868	1,633,726	24,122
1966 ...	1,941	1,171	770	5,585,775	29,612	1,737,082	24,899
1967 ...	1,684	1,089	595	6,303,457	28,830	1,842,147	24,046

Source: Department of Transportation, Harbors Division, Annual Reports, for years 1960 through 1962 and Shipping Information for years 1963 through 1967.



Table 42. -- AIRCRAFT OPERATIONS AT HONOLULU INTERNATIONAL AIRPORT:  
1950 AND 1958 TO 1967

Year ending June 30	Total operations	Air carrier	General aviation	Military
1950 ...	161,234	45,190	109,337	6,707
1958 ...	279,515	95,860	32,416	151,239
1959 ...	262,596	87,719	36,816	138,061
1960 ...	266,254	87,985	42,264	136,005
1961 ...	254,435	79,337	50,100	124,998
1962 ...	267,188	78,014	68,383	120,791
1963 ...	255,855	83,701	61,462	110,692
1964 ...	265,179	87,854	63,872	113,453
1965 ...	277,377	94,139	77,992	105,256
1966 ...	293,208	92,434	92,817	107,957
1967 ...	305,577	107,199	119,267	79,111

Source: Department of Transportation, Airports Division. Honolulu International Airport Aircraft Operations Summary for years shown.

Table 43. -- HAWAII STATE AIRPORTS, PASSENGERS, CARGO AND MAIL: 1962 TO 1967

Year ending June 30	Number of passengers	Cargo (in pounds)	Mail (in pounds)
1962 ...	969,957	28,101,558	1,355,184
1963 ...	1,020,051	29,380,070	1,524,699
1964 ...	1,237,704	38,089,217	1,904,302
1965 ...	1,434,897	41,075,669	2,139,863
1966 ...	1,644,202	38,649,540	9,115,060 <sup>1</sup>
1967 ...	1,905,888	40,790,953	12,066,713

1. All third and fourth class mail airmailed after October 9, 1965.

Source: Department of Transportation, Airports Division, Inter-Island Revenue Passenger Cargo, Air Mail Summary for fiscal years shown.

Table 44. -- HONOLULU INTERNATIONAL AIRPORT, PASSENGERS AND CARGO: 1963 TO 1967

Year ending June 30	Number of passengers			Cargo (in millions of pounds)		
	Total	Inter-island	Overseas	Total	Inter-island	Overseas
1963 ...	2,150,122	854,093	1,296,029	71.7	25.9	45.8
1964 ...	2,470,296	996,949	1,473,347	77.9	30.2	47.7
1965 ...	2,920,042	1,151,704	1,768,338	108.5	31.8	76.7
1966 ...	3,403,184	1,317,025	2,086,159	144.6	29.3	115.3
1967 ...	4,075,325	1,511,493	2,563,832	175.9	34.5	141.4

Source: Department of Transportation, Airports Division, Honolulu International Airport, Revenue Passenger, Cargo, Air Mail Summary for fiscal years shown.

Table 45. -- TOTAL PASSENGER CAR REGISTRATIONS IN HAWAII, BY ISLAND:  
1955 TO 1967

Year ending Dec. 31	State of Hawaii	Hawaii	Kauai	Lanai	Maui	Molokai	Oahu
1955 ...	153,451	15,648	8,522		12,378 <sup>1</sup>		116,873
1956 ...	159,926	16,112	8,607		12,624 <sup>1</sup>		122,583
1957 ...	168,783	16,728	9,025		12,932 <sup>1</sup>		130,098
1958 ...	173,744	16,753	8,993	516	11,525	981	134,902
1959 ...	184,076	17,014	9,069	490	11,774	1,099	144,546
1960 ...	199,829	18,100	9,423	506 <sup>2</sup>	12,125 <sup>2</sup>	1,162 <sup>2</sup>	158,513
1961 ...	212,650	18,398	9,831	521	12,989	1,173	169,738
1962 ...	225,086	19,357	10,343	562	13,534	1,213	180,077
1963 ...	237,422	20,324	10,774	636	14,072	1,288	190,328
1964 ...	254,249	21,495	11,237	668	14,725	1,343	204,781
1965 ...	273,559	22,797	11,767	698	16,183	1,394	220,720
1966 ...	286,847	24,289	12,364	747	17,456	1,441	230,550
1967 ...	297,855	25,675	12,817	773	18,581	1,547	238,462

1. County of Maui total includes Lanai and Molokai.

2. Estimated from county totals.

Source: Department of Transportation, Highway Planning Section. Data for Lanai and Molokai from Honolulu Automobile Club. Includes taxable and non-taxable vehicles.

Table 46. -- NUMBER OF MILES OF HIGHWAYS IN HAWAII, BY ISLAND:  
1958 TO 1967

Year ending Dec. 31	State of Hawaii	Hawaii	Kauai	Lanai	Maui	Molokai	Oahu
1958 ...	3,056	1,226	288	49	462	81	950
1959 ...	3,067	1,226	288	49	463	81	960
1960 ...	3,092	1,232	288	49	463	81	979
1961 ...	3,120	1,239	288	49	465	81	998
1962 ...	3,160	1,242	292	50	471	81	1,024
1963 ...	3,184	1,256	294	50	474	81	1,029
1964 ...	3,247	1,295	296	50	475	81	1,050
1965 ...	3,309	1,311	296	50	492	82	1,078
1966 ...	3,373	1,327	297	50	500	82	1,117
1967 ...	3,401	1,338	297	50	502	82	1,132

Source: Department of Transportation, Highway Planning Section. Includes Federal, state and county roads, city streets and National Park Service roads.

## VISITOR INDUSTRY

Tourism continues to be one of Hawaii's most rapidly growing industries and a major source of income to the state. In 1967, a record 1,001,810 visitors stayed overnight or longer in Hawaii. More than 60 percent of these visitors traveled to one or more of the neighbor islands. Over 1.5 million visitors are expected by 1970 and over 2.6 million by 1975.

Information on the development of new visitor facilities, destination areas, projections and economic studies relating to tourism are prepared and published by the Department of Planning and Economic Development. A collection of reports and studies of the visitor industry, is maintained in the Department's library.

Statistics on visitors, their origin, mode of travel, length of stay, destination areas, expenditures and other characteristics are collected and reported by the Research Department of the Hawaii Visitors Bureau. Statistics on hotel units, occupancy rates and a Visitor Plant Inventory of current and planned hotel units are published also by the Bureau.

The Visitor Satisfaction Program of the Department of Transportation distributes maps of Hawaii and maintains information booths at the major airports in the state.

Table 47. -- VISITORS TO HAWAII, TOTAL PASSENGERS AND AVERAGE VISITOR CENSUS:  
1950 TO 1967

Year ending Dec. 31	State of Hawaii and Honolulu <sup>1</sup>	Hawaii County <sup>2</sup>	Kauai County <sup>2</sup>	Maui County <sup>2</sup>	Total passengers to Hawaii	Average visitor census <sup>3</sup>
1950 ...	46,593	NA	NA	NA	NA	3,027
1951 ...	51,565	23,000	12,900	14,300	130,437	3,350
1952 ...	60,539	27,000	15,000	16,700	141,192	3,796
1953 ...	80,346	31,000	19,000	21,000	163,305	4,746
1954 ...	91,289	36,000	23,000	24,000	186,008	5,369
1955 ...	109,798	44,000	30,000	26,000	232,060	6,042
1956 ...	133,815	50,000	35,000	29,000	272,619	6,947
1957 ...	168,829	59,000	41,200	32,000	353,590	8,205
1958 ...	171,588	NA	NA	NA	363,848	8,397
1959 ...	243,216	77,000	51,800	43,400	452,417	10,390
1960 ...	296,517	91,000	73,500	61,800	532,547	11,797
1961 ...	319,807	97,000	77,400	67,500	615,209	11,960
1962 ...	362,145	96,200	85,150	78,000	690,378	13,125
1963 ...	429,140	102,000	104,000	98,000	790,378	15,316
1964 ...	508,870	126,000	134,000	131,000	909,436	16,739
1965 ...	606,010	162,000	164,000	168,000	1,064,657	13,757
1966 ...	710,580	177,700	175,000	183,400	1,272,181	15,928
1967 ...	1,001,810	247,585	238,000	263,000	1,562,414	NA

1. Includes all visitors staying overnight or longer. It is assumed that for these years all overnight or longer visitors to Hawaii stopped in Honolulu.

2. Visitors to Neighbor Islands stayed overnight or longer in the state, but may not have stayed overnight in the Neighbor Island counties.

3. Based on all overnight or longer visitors.

Source: Department of Planning and Economic Development, General Plan Revision Program, Part 4 and Hawaii Visitors Bureau, Annual Report for years given.

Table 48. -- HOTEL UNITS IN HAWAII, BY ISLAND: 1946 TO 1968

Year ending Dec. 31	Total	Oahu		Hawaii Island	Kauai Island	Maui Island	Molokai and Lanai
		Waikiki	Other				
1946 ...	1,572	652	354				
1947 ...	1,958	1,038	354				
1948 ...	1,958	1,038	354				
1949 ...	1,980	1,038	354				
1950 ...	2,003	1,061	354				
1951 ...	2,197	1,243	354				
1952 ...	2,412	1,434	354				
1953 ...	2,925	1,858	354				
1954 ...	3,101	2,018	354				
1955 ...	4,115	2,870	430				
1956 ...	4,327	3,070	430				
1957 ...	4,754	3,447	430				
1958 ...	5,494	4,024	430				
1959 ...	6,802	5,152	505				
1960 ...	9,522	7,151	967				
1961 ...	10,193	7,753	967				
1962 ...	10,915	8,131	967	692	596	488	41
1963 ...	11,403	8,383	820	742	596	821	41
1964 ...	12,903	9,013	1,018	865	776	1,190	41
1965 ...	14,827	9,531	1,552	1,387	860	1,456	41
1966 ...	17,217	10,728	1,870	1,790	1,115	1,625	89
1967 ...	18,657	11,390	1,776	2,188	1,260	1,910	133
1968 <sup>1</sup> ...	20,604	12,731	1,852	2,222	1,558	2,108	133

1. Estimated hotel units for July, 1968.

Source: Hawaii Visitors Bureau, Annual Research Reports and Visitor Plant Inventory. Comparable data are not available for the neighbor islands prior to 1962.

Table 49. -- PERCENTAGE OF OCCUPANCY OF HOTEL ROOMS IN HAWAII, BY ISLAND: 1959 TO 1967

Year ending Dec. 31	Waikiki		Hawaii Island	Kauai Island	Maui Island
	Large <sup>1</sup>	Small <sup>2</sup>			
1959 ...	88.5	87.8	NA	NA	NA
1960 ...	82.4	68.2	NA	NA	NA
1961 ...	69.7	70.4	NA	NA	NA
1962 ...	75.8	72.6	68.0	64.4	67.3
1963 ...	79.2	75.6	69.6	65.4	62.7
1964 ...	72.8	76.2	70.1	72.3	65.9
1965 ...	82.6	81.6	71.9	71.0	63.9
1966 ...	86.0	81.2	68.7	71.1	63.5
1967 ...	90.8	89.8	71.3	79.4	71.1

1. One hundred rooms or more.

2. Less than 100 rooms.

Source: Hawaii Visitors Bureau, annual reports. Breakdown of occupancy rates are available by major visitor destination area on a monthly basis in Hawaii Visitor Bureau monthly reports.

Table 50. -- ESTIMATED VISITOR EXPENDITURES IN HAWAII, BY COUNTY:  
1950 TO 1967 (in millions of dollars)

Year ending Dec. 31	State of Hawaii	C & C of Honolulu	Hawaii County	Kauai County	Maui County
1950 ...	24.2	NA	NA	NA	NA
1951 ...	29.0	27.0	1.3	0.3	0.4
1952 ...	32.8	30.5	1.5	0.4	0.4
1953 ...	42.6	39.7	1.7	0.7	0.5
1954 ...	48.9	45.2	2.2	0.9	0.6
1955 ...	55.0	50.5	2.6	1.3	0.6
1956 ...	65.0	59.4	3.2	1.6	0.8
1957 ...	77.6	70.9	3.8	2.0	0.9
1958 ...	82.7	76.8	3.5	1.7	0.7
1959 ...	109.0	98.2	5.6	3.7	1.5
1960 ...	131.0	113.2	9.2	6.3	2.3
1961 ...	137.0	118.7	8.5	6.4	3.4
1962 ...	154.0	135.6	6.8	6.7	4.9
1963 ...	186.0	158.3	9.3	9.1	9.3
1964 ...	225.0	186.6	13.6	12.1	12.7
1965 ...	265.0	216.4	17.5	14.8	16.3
1966 ...	302.0	241.6	20.3	19.8	20.6
1967 ...	400.0	320.0	26.2	25.7	28.1

Source: Hawaii Visitors Bureau, records.

Table 51. -- PROJECTED VISITORS TO HAWAII,  
BY COUNTY: 1968 TO 1975

Year	State (including R & R visitors) <sup>1</sup>	State (excluding R & R visitors)	Hawaii County	Kauai County	Maui County
1968 ...	1,206,000	1,042,000	314,000	298,000	330,000
1969 ...	1,383,000	1,219,000	393,000	369,000	410,000
1970 ...	1,579,000	1,415,000	487,000	451,000	502,000
1971 ...	1,710,000	1,628,000	594,000	545,000	609,000
1972 ...	--	1,858,000	717,000	654,000	730,000
1973 ...	--	2,104,000	858,000	774,000	867,000
1974 ...	--	2,366,000	1,015,000	909,000	1,020,000
1975 ...	--	2,641,000	1,188,000	1,056,000	1,188,000

1. Includes allowance for 164,000 R & R military personnel and dependents for 1968; 1969 and 1970, with reduction to 82,000 in 1971. Projections for R & R visitors beyond this date not available.

Source: Department of Planning and Economic Development.

Table 52. -- INVENTORY OF EXISTING AND PLANNED HOTEL UNITS, BY DISTRICTS: 1968

Location	Existing Units	Planned additional units	Announced completion date			
			1968	1969	1970	No date
State ...	20,604	26,858	2,941	5,636	7,523	10,758
Oahu .....	14,583	13,760	1,292	3,392	5,405	3,671
Waikiki....	12,731	10,707	985	3,232	3,742	2,748
Other.....	1,852	3,053	307	160	1,663	923
Hawaii .....	2,222	5,830	254	755	835	3,986
Hilo.....	896	2,129	24	400	--	1,705
Kawaihae...	217	1,850	102	40	418	1,290
Kona.....	1,048	1,851	128	315	417	991
Other.....	61	--	--	--	--	--
Kauai .....	1,558	4,796	1,226	1,151	1,014	1,405
Lihue.....	556	1,090	361	52	50	627
Poipu.....	567	112	--	36	--	76
Wailua.....	333	3,322	764	1,044	812	702
Other.....	102	272	101	19	152	--
Maui .....	2,108	2,405	138	338	269	1,660
Lahaina....	1,333	2,303	138	338	269	1,558
Wailuku....	579	81	--	--	--	81
Other.....	196	21	--	--	--	21
Molokai .....	123	67	31	--	--	36
Lanai .....	10	--	--	--	--	--

Source: Hawaii Visitors Bureau, Research Department, Visitor Plant Inventory, July 1968.

Table 53. -- VISITOR EXPENDITURES PER DAY PER PERSON: 1965-66

	Weighted average	Independent travelers	Prepaid tour travelers	Non-hotel travelers
Lodging .....	\$10.84	\$12.57	\$11.55	\$1.24
Food .....	9.28	10.64	9.23	2.94
Clothing .....	4.30	4.73	4.48	1.79
Night club expense .....	3.08	3.27	3.53	1.19
Gifts and souvenirs .....	2.20	2.26	2.48	1.37
Liquor .....	2.52	2.97	2.25	1.03
Ground transportation .....	2.00	2.22	1.81	1.38
Other entertainment .....	1.00	2.26	2.48	1.37
Photo supplies .....	.45	.46	.42	.46
Beauty and barber services ...	.34	.42	.34	.13
All other .....	1.23	1.38	1.00	.99

Source: Hawaii Visitors Bureau, Long-Range Planning Committee. Data were compiled from a survey of visitors on Oahu.

## AGRICULTURE

For many decades, Hawaii's agriculture has been primarily concerned with the raising of two major crops: sugar and pineapple. Other agriculture in Hawaii is classed as "diversified" agriculture. This includes production of fruit, vegetables, melons, beef and poultry, eggs, milk, honey and certain "exotic" crops such as taro, tropical flowers, macadamia nuts and coffee.

A variety of climate, ranging from hot, arid areas in some coastal sections, to humid, tropical areas and temperate mountain regions make possible a wide range of agricultural activities.

It has been estimated that Hawaii raises slightly more than half the food it needs to feed its own population plus the million or more annual visitors and members of the armed forces stationed here. Predicted increases in both population and the number of visitors indicate an expanded market for Hawaii's agriculture.

One of the primary sources of information on Hawaii's diversified agriculture is the Crop and Livestock Reporting Service, Department of Agriculture, which publishes the annual Statistics of Hawaiian Agriculture. The Hawaii Agricultural Experiment Station and the Cooperative Extension Service at the University of Hawaii have available information on agricultural research, production techniques and agricultural economics.

The Department of Planning and Economic Development administers product promotion programs for a number of promotional cooperatives. At present these include programs for Kona coffee, fresh fruits, jellies and jams, anthuriums and other tropical flowers, taro and macadamia nuts.

Table 54. -- VALUE OF MARKETINGS OF AGRICULTURAL PRODUCTS:  
1955 TO 1967 (in thousands of dollars)

Year ending Dec. 31	All agricultural products	Sugar products <sup>1</sup>	Processed pineapple products <sup>2</sup>	Diversified crops and livestock		
				Total	Diversified crops	Livestock products
1955...	297,944	145,500	115,700	36,744	11,341	25,403
1956...	309,583	148,000	122,500	39,083	12,219	26,864
1957...	303,386	146,000	115,900	41,486	13,180	28,306
1958...	276,442	105,000	130,100	41,342	10,009	31,333
1959...	301,365	131,000	128,300	42,065	10,327	31,738
1960...	290,127	127,000	119,300	43,827	10,379	33,448
1961...	307,530	146,000	117,400	44,130	9,862	34,268
1962...	317,239	157,000	114,900	45,339	11,171	34,168
1963...	355,825	188,000	123,500	44,325	10,112	34,213
1964...	338,892	163,000	128,500	47,392	11,870	35,522
1965...	349,475	175,000	127,000	47,475	11,877	35,598
1966...	368,169	190,000	128,000	50,169	12,998	37,171
1967...	374,417	191,000	133,000	50,417	13,157	37,260

1. Value of raw sugar, molasses produced, and Sugar Act compliance payments; (Hawaiian Sugar Planters' Association).

2. Value of fresh and canned fruit, juice and industry by-products shipped out and local sales of canned fruit and juice, (Bank of Hawaii).

Source: Department of Agriculture, Crop and Livestock Reporting Service.

Table 55. -- VALUE OF MARKETINGS FOR DIVERSIFIED CROPS IN HAWAII:  
1955 TO 1967 (in thousands of dollars)

Year ending Dec. 31	Total diversified crops	Vegetables and melons	Fruits <sup>1</sup>	Coffee parchment	Macadamia nuts, in shell	Rice milled	Taro
1955...	11,341	4,191	1,409	5,001	162	98	480
1956...	12,219	4,384	1,429	5,613	189	77	527
1957...	13,180	4,377	1,441	6,548	248	66	500
1958...	10,009	4,643	1,524	2,961	339	53	489
1959...	10,327	4,355	1,470	3,448	382	40	592
1960...	10,379	4,611	1,459	3,202	472	40	595
1961...	9,862	4,842	1,825	1,886	693	36	580
1962...	11,171	4,948	1,677	2,985	954	33	574
1963...	10,112	4,838	1,895	1,744	1,061	--	574
1964...	11,870	4,901	2,190	3,025	1,190	--	564
1965...	11,877	5,105	2,186	2,362	1,651	--	573
1966...	12,998	5,944	2,605	2,058	1,830	--	561
1967...	13,157	6,165	2,909	1,625	1,881	--	577

1. Includes guavas and passion fruit for processing.

Source: Department of Agriculture, Crop and Livestock Reporting Service.

Table 56. -- CASH RECEIPTS FROM MARKETINGS OF LIVESTOCK PRODUCTS IN HAWAII:  
1955 TO 1967  
(in thousands of dollars)

Year ending Dec. 31	Total	Cattle and calves	Hogs	Milk	Chickens and eggs	Honey and beeswax
1955...	25,403	7,465	3,833	7,832	6,236	37
1956...	26,864	7,402	3,628	8,658	7,141	35
1957...	28,306	8,155	3,654	8,969	7,476	52
1958...	31,333	9,463	3,872	9,803	8,150	45
1959...	31,738	10,165	3,731	9,884	7,919	39
1960 <sup>1</sup> ...	33,448	9,837	3,684	10,635	9,258	34
1961...	34,268	9,827	3,777	10,560	10,058	46
1962...	34,168	9,357	3,719	10,774	10,280	38
1963...	34,213	9,575	3,825	10,684	10,088	41
1964...	35,522	9,703	3,485	11,599	10,683	52
1965...	35,598	9,365	3,801	12,802	9,573	57
1966...	37,171	10,861	3,859	12,297	10,099	55
1967...	37,260	11,731	3,525	12,939	9,028	37

1. Prior to 1960, data are for "commercial farms" only; 1960 to 1967 data are revised estimates for all farms.

Source: Department of Agriculture, Crop and Livestock Reporting Service.



Table 57. -- OUTSHIPMENTS OF COFFEE, FRUITS AND NUTS FROM HAWAII:  
1955 TO 1967  
(in thousands of pounds)

Year ending Dec. 31	Coffee (green)	Fresh Fruit		Processed Fruit			Macadamia nuts
		Papaya	Pineapple	Guava	Papaya	Passion fruit	
1955...	6,869	955	9,296	352	1,027	147	47
1956...	9,497	1,568	11,972	390	1,067	699	82
1957...	9,452	2,457	13,118	468	1,354	925	92
1958...	12,273	2,430	14,800	361	1,021	407	114
1959...	7,795	2,125	15,600	392	1,060	315	163
1960...	9,573	1,067	17,477	468	1,157	78	250
1961...	8,747	2,738	16,666	455	1,266	273	357
1962...	6,222	3,320	16,577	561	1,122	156	422
1963...	7,583	3,196	24,763	549	1,019	241	740
1964...	6,435	4,436	44,337	553	1,235	269	739
1965...	5,990	4,939	49,084	847	1,162	497	1,031
1966...	5,128	5,308	51,130	883	1,318	1,058	977
1967...	5,250	7,224	44,647	773	1,289	924	837

Source: Department of Agriculture, Statistics of Hawaiian Agriculture, Market News Service Branch. Overseas shipments to mainland United States and Canada only.

Table 58. -- INSHIPMENTS OF AGRICULTURAL COMMODITIES TO HAWAII: 1955 TO 1967  
(in thousands of pounds)

Year ending Dec. 31	Fresh veg. & fruit	Frozen veg. & fruit	Rice	Feed (tons)	Dairy products	Meats	Poultry
1955...	66,010	2,005	63,131	97,919	8,024	22,856	5,532
1956...	76,745	2,382	61,087	100,434	7,716	26,295	7,112
1957...	75,007	2,509	57,896	100,667	8,333	25,705	7,533
1958...	75,291	2,361	56,666	98,338	8,342	24,452	7,948
1959...	73,529	2,637	48,010	95,632	8,601	28,315	8,602
1960...	69,234	2,613	60,387	116,172	9,238	29,156	8,878
1961...	70,239	2,799	59,628	102,463	10,239	32,888	10,003
1962...	65,145	3,472	54,636	127,129	10,129	31,506	9,346
1963...	80,294	4,067	55,864	124,303	10,753	41,888	10,886
1964...	81,345	4,237	54,613	136,687	11,272	45,942	11,773
1965...	80,956	4,577	54,991	126,756	10,501	48,017	12,866
1966...	79,357	4,693	53,003	139,129	10,930	43,856	13,338
1967...	91,564	5,269	56,049	136,403	12,687	45,906	15,319

Source: Department of Agriculture, Crop and Livestock Reporting Service, Statistics of Hawaiian Agriculture. Data on inshipments are prepared by the Market News Service Branch and include shipments by sea and air. Direct shipments to the armed services are excluded.

SUGAR AND PINEAPPLE

The sugar and pineapple industries have long been the dominant factors in the Hawaiian economy. Although today the visitor industry and federal expenditures exceed pineapple and sugar as the top sources of income for the state, they are still major industries. In the rural areas in particular, these two industries and their related services provide the major sources of employment.

Primary sources of information on all phases of both industries are the Hawaiian Sugar Planters Association and the Pineapple Growers Association. Each publishes an annual factbook giving acreage, production, payroll, sales and other data about the industry.

The Business Research Department of the Bank of Hawaii prepares industry figures on income to the state from sales of pineapple and sugar products. The Hawaii Employers Council maintains wage and hour series for both industries.

Table 59. -- SUGAR ACREAGE, PRODUCTION, PAYROLL AND VALUE IN HAWAII: 1950 TO 1967

Year	Acres planted in cane	Tons of cane produced <sup>1</sup>	Tons of raw sugar produced <sup>2</sup>	Plantation payrolls (millions)	Value <sup>3</sup> (millions)	New York spot price of raw sugar
1950...	220,383	8,174,821	960,961	\$56	\$124	\$118.64
1951...	221,212	8,477,201	995,759	60	136	121.21
1952...	221,990	8,693,920	1,020,450	61	139	125.27
1953...	221,542	9,003,967	1,099,316	62	150	125.76
1954...	220,138	9,431,781	1,077,347	62	141	121.81
1955...	218,819	9,867,978	1,140,112	59	145	119.00
1956...	220,606	9,909,990	1,099,543	56	148	121.74
1957...	221,336	9,447,647	1,084,646	56	146	124.98
1958...	221,683	7,552,750	764,953	47	105	125.47
1959...	222,588	9,416,225	974,632	58	131	124.75
1960...	224,617	8,613,317	935,744	57	127	125.81
1961...	227,027	9,595,342	1,092,481	58	146	125.93
1962...	228,926	9,812,580	1,120,011	58	157	129.05
1963...	231,321	10,033,959	1,100,768	62	188	163.79
1964...	233,145	10,495,175	1,178,770	65	163	138.10
1965...	235,576	10,737,507	1,217,667	66	175	134.91
1966...	237,499	10,969,920	1,234,121	NA	191	139.76
1967...	NA	NA	NA	NA	191	145.56

1. Short tons of cane used for sugar.
2. Short tons of sugar converted to 96° raw value.
3. Includes compliance payments and value of molasses.

Source: Hawaiian Sugar Planters' Association, Sugar, Hawaii's Largest Industry, 1966 and records.

Table 60. -- PINEAPPLE ACREAGE, PRODUCTION, PAYROLL AND VALUE,  
IN HAWAII: 1949-50 TO 1965-66

Year	Acres planted in pineapple	Pineapple production (in thousand cases)		Concentrate <sup>1</sup>	Annual payroll <sup>2</sup> (millions)	Value of sales (millions)
		Fruit	Juice			
1949-50...	70,700	14,073	11,110	--	\$30.8	\$102.4
1950-51...	73,600	15,098	12,354	--	34.4	95.6
1951-52...	73,500	14,690	10,197	--	34.8	96.9
1952-53...	73,200	16,915	12,561	--	35.2	113.5
1953-54...	73,200	16,581	12,830	--	33.0	108.8
1954-55...	76,700	16,399	13,014	--	35.6	115.7
1955-56...	76,700	18,612	12,224	--	36.9	122.5
1956-57...	76,700	17,992	12,795	--	35.4	115.9
1957-58...	74,800	16,798	10,472	--	36.8	130.1
1958-59...	74,800	17,677	12,454	1,170	38.5	127.5
1959-60...	75,000	17,287	10,850	840	40.7	119.3
1960-61...	73,800	18,462	11,574	724	40.9	119.4
1961-62...	71,600	18,122	11,759	450	40.3 <sup>2</sup>	114.9
1962-63...	72,300	18,457	11,938	728	40.8 <sup>2</sup>	123.5
1963-64...	68,200	17,645	11,150	1,185	40.8 <sup>2</sup>	127.5
1964-65...	69,500	16,301	10,428	1,041	42.7	126.6
1965-66...	67,600	17,833	11,881	1,129	43.9	127.6

1. Equivalent 6/10 cases.

2. Does not include bonuses, separation payments, etc.

Source: Pineapple Growers of Hawaii, Pineapple Fact Book, 1966, and records; Bank of Hawaii, Department of Business Research.

## OTHER INDUSTRIES

Other industries closely related to Hawaii's natural resources include forestry, fishing and mineral products.

Development of Hawaii's forestry resources has been the subject of extensive study by the U. S. Forest Research Center; the Department of Land and Natural Resources, Forestry Division; and the Department of Planning and Economic Development. Locally grown woods are now being used quite extensively for construction and for the manufacture of furniture, pallets, handcrafts and other goods.

Hawaii's fishing industry is quite extensive with the annual catch in 1967 valued at \$3.1 million. Research in fishery resources and methods is being carried on by the Bureau of Commercial Fisheries, Honolulu Laboratory; the Oceanic Foundation; the University of Hawaii; the State Department of Land and Natural Resources, Fish and Game Division; and the Bureau of Sport Fisheries.

Hawaii's mineral production is primarily the manufacturing of cement, the processing of sand, stone, gravel and pumice for construction purposes, and the production of lime. Black coral and olivine are found in Hawaii and fashioned into jewelry. Pink coral of gem quality is being taken from deep waters off the coast of Molokai. Fairly extensive bauxite and titanium deposits exist in Hawaii but as yet are undeveloped.

Table 61. -- VOLUME OF SAWTIMBER ON COMMERCIAL FOREST LAND, BY SPECIES  
AND ISLAND FOR HAWAII: 1968

Species group	All islands <sup>1</sup> (in millions of board feet)	Kauai	Oahu	Molokai	Maui <sup>2</sup>	Hawaii	Lanai
Total.....	781.7	42.5	39.4	12.6	50.6	633.7	2.9
Ohia <sup>2</sup> .....	377.5	6.2	2.1	--	7.8	361.4	--
Koa <sup>2</sup> .....	120.9	4.3	1.7	--	3.5	111.4	--
Eucalyptus <sup>3</sup> .....	231.3	26.8	35.6	12.6	36.5	116.9	2.9
Silk oak and other <sup>4</sup> .....	52.0	5.2	--	--	2.8	44.0	--

1. No sawtimber tallied on Niihau or Kahoolawe.

2. 1961 figures.

3. Planted, mainly Eucalyptus but includes other hardwoods and conifers. Planted silk oak volume included in these totals.

4. Includes monkeypod.

Source: Department of Land and Natural Resources, Forestry Division.

Table 62. -- VOLUME OF MINERAL PRODUCTION IN HAWAII: 1958 TO 1966  
(in short tons unless otherwise specified)

Year	Cement <sup>1</sup>	Gem stones <sup>2</sup>	Lime	Pumice (Volcanic cinder)	Sand and gravel	Stone
1958...	--	--	8,106	257,782	438,495	2,377,073
1959...	--	--	-- <sup>3</sup>	276,065	463,124	3,033,647
1960...	113,000	--	-- <sup>3</sup>	361,000	490,000	3,535,000
1961...	1,076,800	--	14,306	323,978	415,729	4,429,484
1962...	1,128,304	--	15,243	231,922	700,196	4,071,186
1963...	1,482,845	--	12,056	273,851	304,367	3,844,000
1964...	1,717,040	--	8,737	365,475	407,000	5,281,714
1965...	1,564,385	--	8,820	379,729	751,000	5,171,769
1966...	1,749,000	--	10,000	374,000	511,000	5,079,000

1. In 376-pound barrels. Production began in 1960.
2. Weight not recorded.
3. Figures withheld to avoid disclosure of individual company data.

Source: U. S. Department of the Interior, Bureau of Mines, The Mineral Industry of Hawaii, for the years shown above.

Table 63. -- VALUE OF MINERAL PRODUCTION IN HAWAII: 1958 TO 1966  
(in thousands of dollars)

Year	Total <sup>1</sup>	Cement	Gem stones	Lime	Pumice (Volcanic cinder)	Sand and gravel	Stone
1958...	6,298	--	--	260	481	1,112	4,446
1959...	7,630	--	-- <sup>2</sup>	-- <sup>2</sup>	548	1,253	5,480
1960...	9,254	571	-- <sup>2</sup>	-- <sup>2</sup>	676	1,324	6,443
1961...	14,588	5,574	18	354	626	758	7,656
1962...	14,844	6,055	-- <sup>2</sup>	386	380	1,122	6,883
1963...	15,307	7,125	36	428	469	764	6,480
1964...	19,605	8,877	-- <sup>2</sup>	321	603	979	8,765
1965...	20,835	8,297	-- <sup>2</sup>	305	624	2,237	9,353
1966...	20,839	9,046	-- <sup>2</sup>	320	716	1,591	9,482

1. Includes value of clays, gem stones, salt and lime which could not be reported individually.

2. Figures withheld to avoid disclosure of individual company data.

Source: U. S. Department of the Interior, Bureau of Mines, The Mineral Industry of Hawaii for the years shown.

Table 64. -- COMMERCIAL FISH LANDINGS IN HAWAII: 1950 TO 1958

Year ending Dec. 31	Weight (in thousands)	Value	Year ending Dec. 31	Weight (in thousands)	Value
1950...	16,218 lbs.	\$3,556	1959...	16,580	\$3,179
1951...	19,420	3,998	1960...	11,136	2,705
1952...	13,916	3,449	1961...	14,450	2,903
1953...	18,862	3,798	1962...	13,170	2,819
1954...	20,609	3,708	1963...	11,757	2,682
1955...	15,457	3,165	1964...	12,702	2,849
1956...	16,560	3,175	1965...	19,602	3,603
1957...	10,728	2,604	1966...	13,037	3,128
1958...	11,360	2,632	1967...	11,859	3,076

Source: Department of Land and Natural Resources, Division of Fish and Game, Commercial Fish Landings for calendar years shown.

## CONSTRUCTION

Contract construction is a major industry in Hawaii and during 1965, Honolulu ranked fifth nationally in the value of building permits issued. Only New York, Los Angeles, Houston and Chicago exceeded Honolulu in this respect according to a Dun and Bradstreet report.

In a study of all housing units authorized by each of the jurisdictions included within metropolitan areas, only 20 other metropolitan areas exceeded Honolulu--even though Honolulu ranks 54th in population.

The value of construction put in place during 1967 totaled \$346.8 million, somewhat lower than 1966. However, reports of the first quarter of 1968 indicate that construction is moving ahead.

During 1967, an average of 17,200 persons were employed in contract construction compared with 18,900 the previous year.

Sources of information on construction include the F. W. Dodge reports of building permits issued for private construction by the building departments of the four counties. The Department of Planning and Economic Development serves as a processing center for these reports and receives monthly and annual summaries. The value of construction put in place for the state and counties is reported monthly and annually for both fiscal and calendar years by the Department of Taxation. The value of construction contracts awarded in Hawaii by government and private agencies is reported monthly and annually by the General Contractors Association of Hawaii in their Comparative Box Score.

A summary of job bid schedules and construction news is published weekly by the magazine, Builders Report Pacific. A monthly construction cost index and an annual review of construction plans are published by the same company. The monthly Economic Indicators, published by the First National Bank of Hawaii and the monthly Review of Business and Economic Conditions published by the Bank of Hawaii cover construction news.

Table 65. -- TOTAL VALUE OF CONSTRUCTION PUT IN PLACE IN HAWAII BY COUNTY:  
1958 TO 1967  
(in millions of dollars)

Year ending Dec. 31	State of Hawaii	City-County of Honolulu	Hawaii County	Kauai County	Maui County
1958...	174.4	162.8	7.0	1.9	2.7
1959...	206.8	196.8	5.5	2.4	2.1
1960...	268.5	255.5	5.6	2.7	4.7
1961...	267.3	248.2	9.1	3.7	6.3
1962...	257.0	232.9	12.2	4.2	7.7
1963...	265.2	242.5	11.2	4.6	6.9
1964...	302.9	277.3	12.4	4.8	8.4
1965...	338.6	306.8	17.0	5.4	9.4
1966...	392.4	357.4	15.5	6.3	13.2
1967...	346.8	316.9	14.2	5.0	10.7

Source: Department of Taxation, Tax Base for Certain Taxes, Year Ending December 31 for years shown.

Table 66. -- VALUE OF CONSTRUCTION CONTRACTS AWARDED  
IN HAWAII AND OTHER CONSTRUCTION TRENDS: 1958 TO 1967

Year ending Dec. 31	Total contracts awarded <sup>1</sup> (in millions)	Construction cost index <sup>2</sup>	Average value of building permit for		Value of Federal construction (in millions)
			Single-family residences	Apartment units	
1958...	\$ --	132.3	\$10,360	\$ 6,812	\$66.9
1959...	--	138.0	10,600	8,381	25.5
1960...	281.1	142.0	11,607	9,167	42.5
1961...	203.3	147.2	12,222	7,499	12.2
1962...	251.4	154.2	12,942	11,186	15.0
1963...	241.4	161.5	12,889	9,056	35.4
1964...	258.2	168.0	13,549	9,274	53.9
1965...	397.7	175.0	13,870	10,525	37.1
1966...	357.4	185.9	15,700	14,450	23.1
1967p..	381.4	193.7	16,671	13,518	36.3

1. Includes federal and local government contracts and private construction.

2. Base: 1950-1954 = 100.

Sources: Total contracts awarded and value of Federal construction are from the General Contractors Association, Comparative Box Score; other data from Bank of Hawaii, Construction in Hawaii 1967 and records.

Table 67. -- VALUE OF PRIVATE OWNERSHIP CONSTRUCTION AUTHORIZED  
BY BUILDING PERMITS IN HAWAII, BY COUNTY:  
1960 TO 1967  
(in millions of dollars)

Year ending Dec. 31	State of Hawaii	City-County of Honolulu	Hawaii County	Kauai County	Maui County
1960...	134.4	124.6	4.0	1.8	4.1
1961...	111.7	94.2	8.6	3.6	5.2
1962...	157.8	141.4	7.5	2.6	6.3
1963...	110.4	91.5	8.4	4.3	6.1
1964...	138.7	109.9	14.1	6.5	8.2
1965...	211.4	179.4	13.1	7.2	11.7
1966...	203.1	173.9	13.9	4.0	11.3
1967...	204.2	168.6	13.8	9.0	12.8

Source: Department of Planning and Economic Development, from summaries of building permits of private ownership projects.



Table 68. -- CONSTRUCTION OF ONE AND TWO-FAMILY DWELLINGS AND APARTMENT UNITS IN HAWAII, BY COUNTY: 1960 TO 1967

Category and year authorized	The State	Hawaii County	Honolulu County	Kauai County	Maui County <sup>1</sup>
<b>New one-family dwellings:</b>					
1960 . . . . .	4,867	196	4,189	118	364
1961 . . . . .	4,113	300	3,412	120	281
1962 . . . . .	4,448	363	3,654	112	319
1963 . . . . .	4,321	441	3,352	184	344
1964 . . . . .	4,551	431	3,671	181	268
1965 . . . . .	5,480	431	4,512	202	335
1966 . . . . .	3,954	453	2,944	212	345
1967 . . . . .	3,930	393	3,005	160	372
<b>New two-family dwellings:</b>					
1960 . . . . .	88	10	76	2	-
1961 . . . . .	222	4	216	-	2
1962 . . . . .	176	2	170	-	4
1963 . . . . .	192	-	182	8	2
1964 . . . . .	100	-	90	-	10
1965 . . . . .	178	4	132	14	28
1966 . . . . .	80	12	52	12	4
1967 . . . . .	54	4	46	-	4
<b>New apartments:</b>					
1959 <sup>2</sup> . . . . .	4,373	-	4,373	-	-
1960 . . . . .	3,203	-	3,193	-	10
1961 . . . . .	2,241	24	2,146	54	17
1962 <sup>3</sup> . . . . .	3,273	10	3,182	9	72
1963 . . . . .	2,540	90	2,299	10	141
1964 . . . . .	2,917	17	2,868	4	28
1965 . . . . .	5,799	90	5,555	6	148
1966 . . . . .	6,495	61	6,320	12	102
1967 . . . . .	3,341	18	3,159	4	160
<b>Other activity:<sup>4</sup></b>					
1960 . . . . .	-1,283	-202	- 939	-104	- 38
1961 . . . . .	-1,014	- 70	- 875	- 70	+ 1
1962 . . . . .	-1,828	- 79	-1,647	- 74	- 28
1963 . . . . .	- 880	-126	- 667	- 55	- 32
1964 . . . . .	-1,026	-144	- 685	-145	- 52
1965 . . . . .	-1,016	- 64	- 794	-136	- 22
1966 . . . . .	- 982	- 57	- 788	- 96	- 41
1967 . . . . .	-1,123	- 82	- 722	-276	- 43

1. Includes Kalawao County. The 1961 data are revised.

2. Excludes 498 Oahu units authorized but not built.

3. Excludes 244 Oahu units authorized but not built and 650 non-residential units in an apartment-hotel complex.

4. Net change from demolition, conversion, or disaster.

Source: Honolulu Redevelopment Agency, Redevelopment and Housing Research April 1968 from reports of City and County of Honolulu Building Department and the Departments of Public Works, Counties of Hawaii, Kauai, and Maui, of building permits issued.

## HOUSING

Housing in Hawaii has continued to expand to meet the needs of the rapidly increasing population. Since 1960, more than 33,000 housing units have been completed in the state.

Honolulu, although ranking 54th among metropolitan areas in population, ranked 21st in number of permits issued for housing units in 1965.

Most single-family homes are of one-story design, well adapted to the "indoor-outdoor" type of living encouraged by the year-round warm climate. Land is expensive in Hawaii, and houses are often sold on a "leasehold" basis in which the purchaser owns the home but leases the property for a set time, usually 55 to 99 years.

High-rise apartments and apartment hotels, once found only in Waikiki, are now being built throughout the state. Hawaii was the first state to permit condominium ownership and this type of housing is becoming increasingly popular for both resort and residential units.

Sources of information on housing are numerous. County Building Departments report the building permits issued for private construction and the Department of Planning and Economic Development processes these reports for the F. W. Dodge Company studies. The Honolulu Redevelopment Agency publishes an annual report, Redevelopment and Housing Research, with monthly supplements. The Bank of Hawaii issues an annual report called Construction in Hawaii.

The Hawaii Housing Authority (public housing), the City-County of Honolulu's Office of the Urban Renewal Coordinator, Hawaii Council for Housing Action, the Home Builders Association and the Honolulu Board of Realtors are among government and private agencies providing information on various aspects of housing

Table 69. -- HOUSING UNITS IN HAWAII, BY COUNTY: 1950 TO 1968

Year (April 1)	State Total	City-County of Honolulu	Hawaii County	Kauai County	Maui County
1950...	120,606	83,175	17,176	8,378	11,877
1951...	123,941	85,991	17,440	8,432	12,078
1952...	126,499	88,004	17,670	8,487	12,338
1953...	129,769	91,078	17,737	8,541	12,413
1954...	132,732	93,978	17,638	8,597	12,519
1955...	137,675	98,817	17,681	8,652	12,525
1956...	141,266	102,194	17,742	8,761	12,569
1957...	145,184	105,975	17,800	8,830	12,579
1958...	149,156	109,868	17,838	8,892	12,558
1959...	154,950	115,680	17,825	8,904	12,541
1960...	165,506	125,795	18,118	8,996	12,597
1961...	174,438	134,362	18,128	9,012	12,936
1962...	180,710	139,970	18,421	9,089	12,230
1963...	186,044	144,529	18,786	9,158	13,571
1964...	192,580	150,171	19,105	9,306	13,998
1965...	198,994	155,892	19,428	9,349	14,325
1966...	208,980	164,867	19,845	9,434	14,834
1967...	218,248	172,917	20,371	9,676	15,284
1968...	226,671	180,603	20,696	9,628	15,744

Source: Honolulu Redevelopment Agency, Honolulu Redevelopment and Housing Research, July of years given. Estimates are for total units, (not occupied units) and include public and private housing.

Table 70. -- BUILDING PERMITS ISSUED FOR PRIVATE ONE-FAMILY DWELLINGS  
IN HAWAII, BY COUNTY: 1960 TO 1967

Year	State Total	City-County of Honolulu	Hawaii County	Kauai County	Maui County
1960...	4,863	4,189	197	113	364
1961...	4,090	3,412	291	116	271
1962...	4,456	3,654	363	119	320
1963...	4,287	3,352	422	180	333
1964...	4,554	3,671	420	187	276
1965...	5,486	4,512	431	205	338
1966...	3,954	2,944	453	212	345
1967...	3,675	2,754	393	156	372

Source: Department of Planning and Economic Development, developed from reports submitted by county building departments.

Table 71. -- SELECTED CHARACTERISTICS FOR F.H.A. HOMES IN HAWAII AND CALIFORNIA  
1966

Subject	New homes		Existing homes	
	Hawaii	California	Hawaii	California
Median property value. . . . .	\$27,224	\$21,673	\$26,786	\$17,694
Avg. market price of equiv. site . .	11,259	5,890	12,437	5,627
Est. construction cost per sq. ft. .	16.13	11.44	--	--
Average price of site per sq. ft.. .	1.68	1.01	1.92	.85
Avg. area of house per sq. ft.. . .	1,058	1,401	1,000	1,166
Avg. number of rooms . . . . .	5.2	6.7	5.3	5.5
Built-in garage (percent) . . . . .	9.1	9.3	7.1	4.0
Full basement (percent) . . . . .	0.5	1.4	--	0.6
Avg. cost of heating and utilities .	\$ 22.19	\$ 22.64	\$ 22.41	\$ 18.67
Avg. monthly property tax . . . . .	\$ 22.80	\$ 38.76	\$ 18.70	\$ 30.73

Source: Federal Housing Administration, FHA Homes 1966, Data for States and Selected Areas on Characteristics of FHA Operations under Section 203.

## MANUFACTURING

Manufacturing in Hawaii has traditionally been dominated by sugar processing and pineapple canning. This has given rise to the Hawaiian practice of reporting sugar processing and pineapple canning as separate industries and grouping all other manufacturing together as "diversified" manufacturing.

Although pineapple and sugar processing are still extremely important, representing the major portion of Hawaiian manufacturing, there have been many additions to general manufacturing in the past decade. A petroleum refinery, two cement plants, a rolling mill, a concrete plant, flour mill and plastics plant are among the newcomers.

In light manufacturing there are nearly 90 garment manufacturers, several textile printing plants, plastics processors, furniture manufacturers and printing plants. There are many processors of food products, including Hawaiian and Oriental food specialties, guava and passion fruit juice and macadamia nuts.

Primary sources of information on manufacturing in Hawaii include the Department of Planning and Economic Development, Hawaii Manufacturers Association, and the Chamber of Commerce of Hawaii. Publications include the Census of Manufacturers, published every five years with annual sample-based reports, by the U. S. Department of Commerce; and ES 202 quarterly reports of employment and employer contributions to employment security computed by the Department of Labor and Industrial Relations. The Chamber of Commerce and the Hawaii Manufacturer's Association publish directories of manufacturers in Hawaii.

Employment data for manufacturing are given in the Labor and Wages section of the Data Book.

Table 72. -- VALUE OF MANUFACTURING IN HAWAII, FROM TAX BASE DATA: 1958 TO 1967  
(in millions of dollars)

Year ending Dec. 31	Receipts from sales of manufacture <sup>1</sup>			Adjusted diversified manufacturing <sup>2</sup>
	Sugar processing	Pineapple canning	"Diversified" manufacturing	
1958...	67.4	107.3	103.9	119.5
1959...	113.9	99.0	129.1	133.5
1960...	99.1	96.9	145.7	148.7
1961...	118.4	93.8	168.5	203.0
1962...	135.3	99.1	158.2	240.0
1963...	146.8	99.4	170.5	255.0
1964...	148.1	109.8	178.8	260.0
1965...	152.7	123.8	188.7	281.0
1966...	178.9	105.7	205.5	294.0
1967...	171.2	131.7	218.3	315.0

1. Data for sugar processing, pineapple canning and "diversified" manufacturing are "tax base" data reported by the Department of Taxation. "Diversified" manufacturing represents manufacturing other than sugar and pineapple.

2. Adjusted diversified manufacturing is the figure for "diversified" manufacturing plus the value of sales of petroleum and certain other manufactured goods which are reported under different tax classifications.

Source: Department of Taxation, Tax Base for Certain Taxes, Year Ending December 31 for years shown and Bank of Hawaii, Department of Business Research.

Table 73. -- MANUFACTURING IN HAWAII, BY INDUSTRY CLASSIFICATION: 1967

Product	SIC Code	Number of employing units <sup>1</sup>	Est. number of employees <sup>2</sup>	Est. annual wages <sup>2</sup> (in millions)
Manufacturing		608	25,724	\$141.6
Food products. . . . .	20	199	16,002	85.5
Textiles . . . . .	22	6	31	.1
Apparel. . . . .	23	89	2,516	9.6
Lumber . . . . .	24	38	605	3.2
Furniture . . . . .	25	45	520	2.6
Paper . . . . .	26	8	203	1.1
Printing . . . . .	27	77	2,300	14.4
Chemicals . . . . .	28	17	490	3.4
Petroleum . . . . .	29	1	209	1.9
Rubber & plastics . . . . .	30	3	22	.1
Leather products. . . . .	31	11	135	.5
Stone, clay & glass. . . . .	32	30	1,398	10.6
Metals, primary . . . . .	33	3	176	1.4
Metal products . . . . .	34	19	630	4.0
Machinery . . . . .	35	11	97	.7
Electrical equip. . . . .	36	3	10	.1
Transportation equip. . . . .	37	8	137	1.0
Instruments . . . . .	38	7	38	.2
Miscellaneous. . . . .	39	33	260	1.1

1. Based on 3rd quarter data.

2. Estimated on basis of first three quarters.

Source: Department of Labor and Industrial Relations, ES 202 Report of Employment, Wages and Contributions, quarterly reports for 1967.

Table 74. -- MANUFACTURING IN HAWAII, SELECTED YEARS: 1958 TO 1963

Year	Number of establishments	Number of employees <sup>1</sup>	Annual payroll	Value added by manufacture		Capital expenditures new
				(in millions of dollars)		
1958...	609	23,896	82.2	164.9	17.2	
1959...	NA	25,962	93.1	197.1	D	
1960...	NA	23,456	89.4	183.2	60.6	
1961...	NA	23,238	93.4	204.5	31.5	
1962...	NA	22,645	94.0	199.0	14.2	
1963...	657	24,960	106.8	254.4	16.1	

D. Data withheld to avoid disclosure.

1. Total employment.

Source: U. S. Department of Commerce, Bureau of the Census, Census of Manufacturers, 1963 MC63 (P) S12.

Table 75. -- MANUFACTURING IN HAWAII, BY COUNTY: 1963

Area	Number of establishments	Number of employees <sup>1</sup>	Payroll (\$1,000)	Value added by manufacture (\$1,000)	Capital expenditures new (\$1,000)
State. . . . .	657	24,960	106,808	254,454	16,132
City-County of Honolulu . . . . .	512	17,690	77,662	168,563	9,409
County of Hawaii. . . . .	78	2,368	10,530	35,330	1,460
County of Kauai . . . . .	23	1,770	6,611	18,644	1,313
County of Maui . . . . .	44	3,132	12,005	31,917	3,950

1. Total employees and total payroll.

Source: U. S. Department of Commerce, Bureau of the Census, Census of Manufacturers, 1963. MC 63 (P) S12.

## TRADE AND SERVICES

Hawaii with its 825,000 resident population, plus more than a million visitors each year, is a prime market for retail and wholesale trade and services. Members of the armed forces and their families stationed in Hawaii provide a constantly rotating group of "first-time" customers for Hawaiian goods and services.

In 1964, Hawaii ranked second among the 50 states in estimated per capita retail sales. Hawaiian merchants rang up a record-breaking \$1.3 billion in retail sales in 1967. Honolulu's newly enlarged multi-level Ala Moana Shopping Center is one of the largest in the world. Smaller shopping centers are found throughout the state.

The major sources of information on retailing, wholesaling and services in Hawaii are the U. S. Census of Business: Retail Trade, Wholesale Trade and Services, published every five years, and the annual and monthly reports of "Tax base data" published by the State Tax Department. There is considerable difference in the two series and care must be taken not to use them interchangeably.

The Census is based on a mailed survey of all establishments engaged in retailing, wholesaling or services as defined in the Standard Industrial Classification system. Tax base data cover gross receipts from retailing, wholesaling and services as reported for State general excise and other taxes. In the case of multi-unit establishments, county tax base information may be reported in the district where the tax is submitted rather than the one in which the establishment is located.

Table 76. -- RETAIL TRADE, WHOLESALE TRADE AND SELECTED SERVICES  
IN HAWAII FOR SELECTED YEARS: 1939 TO 1963

Year	Retail Trade		Wholesale Trade		Selected Services	
	Establish-ments	Sales (\$1,000)	Establish-ments	Sales (\$1,000)	Establish-ments	Receipts (\$1,000)
1939...	4,256	120,681	704	97,045	2,186	15,340
1948...	4,881	382,680	702	480,734	2,337	44,617
1954...	4,807	426,115	594	581,940	2,595	64,726
1958...	4,760	521,877	793	618,155	3,070	101,142
1963...	4,778	751,411	974	735,205	3,431	163,094

Source: U. S. Department of Commerce, Bureau of the Census, 1963 Census of Business, Retail Trade, Report BC63-RA13; Wholesale Trade, Report BC63-WA13; and Selected Services, Report BC63-SA13.

Table 77. -- RETAIL ESTABLISHMENTS IN HAWAII BY KIND OF BUSINESS, BY COUNTY: 1963

Kind of Business	Number of Establishments				
	State of Hawaii <sup>1</sup>	City-County of Honolulu	Hawaii County	Kauai County	Maui County
All retail business. . .	4,578	3,373	564	234	405
Lumber, hardware, etc.. . .	65	52	7	2	4
General merchandise. . .	274	117	88	27	42
Food stores . . . . .	858	584	114	58	102
Automotive dealers . . . . .	151	105	22	8	16
Service stations. . . . .	442	297	58	28	59
Apparel stores . . . . .	398	308	43	11	36
Furniture stores. . . . .	235	171	34	11	19
Eating, drinking places . . . . .	1,082	863	101	54	64
Drugstores. . . . .	110	96	8	2	4
Other retail stores. . . . .	688	544	67	30	45
Non-store retailers <sup>2</sup> . . . . .	275	236	22	3	14

1. Includes two establishments in the County of Kalawao (Kalaupapa Settlement), on Molokai.

2. This category is included under "general merchandise" in the summary table.

Source: U. S. Department of Commerce, Bureau of the Census, 1963 Census of Business: Retail Trade, Hawaii Report BC 63-RA13.

Table 78. -- RECEIPTS FROM RETAILING, AS SHOWN IN "TAX BASE" REPORTS FOR HAWAII, BY COUNTY: 1958 TO 1967 (in millions of dollars)

Year ending Dec. 31	State	City-County of Honolulu	Hawaii County <sup>1</sup>	Kauai County	Maui County
1958...	665.0	565.8	46.4	20.9	31.7
1959...	756.0	641.2	54.1	24.5	36.2
1960...	846.7	725.6	55.8	25.3	40.0
1961...	859.6	744.8	49.5	25.0	40.2
1962...	921.0	784.0	63.2	30.7	43.0
1963...	928.9	791.8	63.6	30.0	43.5
1964...	998.5	867.0	53.3	31.4	46.7
1965...	1,097.8	923.0	89.4	34.3	51.2
1966...	1,184.7	1,011.4	86.8	32.5	54.0
1967...	1,271.9	1,102.0	76.3	34.6	59.0

1. Hawaii County data affected by tsunami losses after 1960.

Source: Department of Taxation, General Excise, Consumption and Compensating Tax Base, Year Ending December 31, for years shown.



Table 79. -- NUMBER, SALES AND PAYROLL OF RETAIL ESTABLISHMENTS IN HAWAII,  
BY COUNTY AND PLACE: 1963

Area	Number of Establishments	Total sales (\$1,000)	Annual payroll (\$1,000)	Number of Employees
State . . . . .	4,578	751,411	99,204	33,845
City-County of Honolulu . . . . .	3,373	619,672	84,661	28,606
Aiea . . . . .	53	7,217	836	380
Ewa . . . . .	28	3,348	393	165
Haleiwa . . . . .	28	2,981	304	137
Honolulu . . . . .	2,643	507,522	73,330	23,760
Kailua, Lanikai . . . . .	113	24,643	2,726	1,032
Kaneohe . . . . .	95	13,864	1,444	577
Lualualei . . . . .	5	355	35	18
Nanakuli . . . . .	4	258	19	13
Wahiawa . . . . .	128	21,217	2,433	908
Waialua Mill . . . . .	21	1,474	160	55
Waianae-Makaha . . . . .	37	7,122	618	269
Waimanalo . . . . .	23	1,896	142	66
Other . . . . .	195	27,775	3,221	1,226
Hawaii County . . . . .	564	61,094	6,760	2,500
Hilo . . . . .	310	44,225	5,370	1,908
Other . . . . .	254	16,869	1,390	592
Kauai County . . . . .	234	D	D	D
Kapaa . . . . .	41	3,318	260	98
Lihue . . . . .	77	13,350	1,812	573
Other <sup>1</sup> . . . . .	119	D		
Maui County . . . . .				
Lanai Island . . . . .	10	1,605	113	40
Maui Island . . . . .	360	37,590	4,144	1,500
Kahulu . . . . .	58	11,768	1,349	502
Lahaina . . . . .	57	3,049	371	137
Puunane . . . . .	6	532	D	D
Wailuku . . . . .	139	15,481	1,895	612
Other . . . . .	100	6,760	D	D
Molokai Island . . . . .	35	3,414	274	105
Kalawao County . . . . .	2	D	D	D

D. Data withheld to avoid disclosure.

1. For Kauai Island only; no establishments on Niihau Island.

Source: U. S. Department of Commerce, Bureau of the Census, 1963 Census of Business; Retail Trade, Hawaii Report BC 63-RA13.

Table 80. -- RECEIPTS FROM WHOLESALING, AS SHOWN IN "TAX BASE" REPORTS FOR HAWAII, BY COUNTY: 1958 TO 1967  
(in millions of dollars)

Year	State	City-County of Honolulu	Hawaii County <sup>1</sup>	Kauai County	Maui County
1958...	282.7	252.8	19.2	4.6	6.0
1959...	320.2	287.8	20.4	5.0	7.0
1960...	354.6	321.7	22.0	4.4	6.5
1961...	359.7	330.4	19.3	4.2	5.8
1962...	386.1	348.1	27.3	4.3	6.4
1963...	396.5	370.8	13.8	4.6	7.2
1964...	435.7	414.6	9.0	4.7	7.4
1965...	482.6	447.0	21.2	5.5	8.9
1966...	547.0	511.6	18.5	6.2	10.7
1967...	570.7	536.2	18.6	5.2	10.7

1. Hawaii County data affected by tsunami losses after 1960.

Source: Department of Taxation, General Excise, Consumption and Compensating Tax Base, Year Ending December 31 for years shown.

Table 81. -- RECEIPTS FROM SERVICES, AS SHOWN IN "TAX BASE" REPORTS FOR HAWAII, BY COUNTY: 1958 TO 1967  
(in millions of dollars)

Year ending Dec. 31	State	City-County of Honolulu	Hawaii County <sup>1</sup>	Kauai County	Maui County
1958...	135.7	116.5	11.0	3.6	4.7
1959...	165.4	142.6	12.7	4.5	5.6
1960...	188.8	163.5	13.8	4.9	6.5
1961...	203.4	178.6	13.1	5.0	6.7
1962...	228.4	199.1	15.9	5.8	7.6
1963...	231.8	202.5	15.2	6.1	7.9
1964...	240.9	215.8	12.2	5.1	7.8
1965...	260.7	232.2	14.9	5.1	8.4
1966...	276.8	247.6	14.3	5.3	9.6
1967...	305.7	272.4	16.1	5.9	11.2

1. Hawaii County data affected somewhat by tsunami losses after 1960.

Source: Department of Taxation, General Excise, Consumption and Compensating Tax Base, Year Ending December 31 for years shown. These are for primary services only and do not include intermediary services.

Table 82. -- SELECTED SERVICES IN HAWAII, BY COUNTY AND PLACE: 1963

Area	Number of Establishments							
	Total	Hotels	Pers. Serv.	Bus. Serv.	Auto Rep. & Serv.	Misc. Repair Serv.	Motion Pict.	Other Rec.
State . . . . .	3,431	178	1,435	506	477	350	78	407
Hawaii County . . . . .	317	25	134	31	51	39	14	23
Hilo . . . . .	177	9	82	20	28	21	3	14
Other . . . . .	140	16	52	11	23	18	11	9
Honolulu County . . . . .	2,748	125	1,156	448	367	284	40	328
Aiea . . . . .	26	--	15	1	4	3	1	2
Ewa . . . . .	25	--	13	5	2	1	--	4
Haleiwa . . . . .	8	--	7	--	--	--	1	--
Honolulu . . . . .	2,181	114	877	398	305	205	25	257
Kailua-Lanikai . . . . .	113	3	38	18	17	19	2	16
Kaneohe . . . . .	65	--	34	8	5	6	1	11
Lualualei-Maile . . . . .	2	--	--	1	--	--	1	--
Nanakuli . . . . .	7	--	1	1	--	2	2	1
Wahiawa . . . . .	98	6	53	4	15	7	2	11
Waialua Mill . . . . .	15	--	8	1	--	4	2	--
Waianae-Makaha . . . . .	29	--	14	1	3	8	1	2
Waimanalo . . . . .	10	--	3	2	--	2	--	3
Other . . . . .	169	2	93	8	16	27	2	21
Kalawao County . . . . .	2	--	--	--	--	--	--	2
Kauai County . . . . .	150	12	59	12	19	13	11	24
Kauai Island . . . . .	150	12	59	12	19	13	11	24
Kapaa . . . . .	19	1	8	2	2	2	3	1
Lihue . . . . .	52	6	16	5	10	2	3	10
Other . . . . .	79	5	35	5	7	9	5	13
Niihau Island . . . . .	--	--	--	--	--	--	--	--
Maui County . . . . .	214	16	86	15	40	14	13	30
Lanai Island . . . . .	7	--	3	--	--	2	1	1
Maui Island . . . . .	188	15	--	15	38	8	11	27
Kahului . . . . .	28	2	--	6	7	--	--	4
Lahaina . . . . .	24	3	9	--	3	--	1	8
Puunene . . . . .	5	--	2	--	--	--	1	2
Wailuku . . . . .	75	4	42	7	13	3	2	4
Other . . . . .	56	6	12	2	15	5	7	9
Molokai Island <sup>1</sup> . . . . .	19	1	9	--	2	4	1	2

1. Not including Kalawao.

Source: U. S. Department of Commerce, Bureau of the Census, 1963 Census of Business; Retail Trade, Wholesale Trade and Selected Services for Hawaii.

FOREIGN TRADE

Hawaii's foreign trade increased 145 percent between 1960 and 1967. Government and private agencies especially interested in the encouragement of foreign trade include the Foreign Trade Zone, No. 9 in Honolulu; the U. S. Department of Commerce Field Office in Honolulu; the Department of Planning and Economic Development and the Chamber of Commerce of Hawaii.

Major sources of statistical and other information on imports and exports include the organizations listed above, the Economic Research Departments of the First National Bank of Hawaii, the Business Research Department, Bank of Hawaii, and consulates of foreign countries.

Reference publications include the U. S. Department of Commerce, Import Trade by Customs Districts and Export Trade by Customs Districts; U. S. Imports of Merchandise for Consumption and U. S. Exports of Merchandise for Consumption; and the U. S. Army, Corps of Engineers, Waterborne Commerce of the United States. The total figures for these three sources will differ somewhat due to differences in methodology and definition; they should not be used interchangeably.

Table 83. -- HAWAII'S FOREIGN TRADE: 1960 TO 1967  
(in millions of dollars)

Year ending Dec. 31	Total	Imports		Exports	
		Surface	Air	Surface	Air
1960...	70.4	20.4	NA	50.0	NA
1961...	82.1	59.3	NA	22.8	NA
1962...	98.1	67.6	1.7	28.0	.8
1963...	101.7	72.0	2.6	25.5	1.6
1964...	124.6	83.5	2.6	36.4	2.1
1965...	131.9	93.7	3.0	30.8	4.4
1966...	147.7	102.7	2.5	32.6	7.9
1967...	172.5	NA	NA	NA	NA

Source: U. S. Department of Commerce: Import Trade by Customs Districts and Export Trade by Customs Districts and Bank of Hawaii, Department of Business Research, records.

Table 84. -- VALUE OF IMPORTS TO HAWAII, TOTAL AND SELECTED  
WESTERN COUNTRIES: 1958 TO 1966  
(in millions of dollars)

Year	Total	Canada	Bahrain	Great Britain	Iran	Saudi Arabia	West Germany
1958....	33.6	2.8	4.5	1.8	--	4.0	2.9
1959....	34.1	3.9	--	2.1	--	--	3.0
1960....	47.0	5.9	--	2.2	--	2.8	2.8
1961....	58.0	4.8	0.9	0.7	--	11.2	2.5
1962....	68.3	4.8	0.6	1.1	--	13.4	1.6
1963....	74.0	4.7	3.0	2.3	--	15.7	1.7
1964....	85.8	4.2	2.5	1.7	--	18.4	2.6
1965....	95.9	4.9	0.7	2.6	0.8	20.7	3.4
1966 Sea	105.2	5.5	2.0	2.6	2.4	17.0	4.1
Air	2.5	0.1	--	0.1	--	--	-- <sup>1</sup>

1. Less than \$50,000.

Source: U. S. Department of Commerce, Bureau of the Census, Foreign Trade Report IA 254, U. S. Imports of Merchandise for Consumption and General Imports of Merchandise: Customs District of Entry by Country of Origin by TSUSA (Commodity) Number and AA 352, U. S. General Imports of Merchandise by Air: Customs District of Unloading by Country of Origin by Commodity.

Table 85. -- VALUE OF IMPORTS TO HAWAII, TOTAL AND SELECTED  
PACIFIC BASIN COUNTRIES: 1958 TO 1966  
(in millions of dollars)

Year	Total value	Australia	Hong Kong	Japan	New Zealand	Philippines	Taiwan
1958....	33.6	2.1	1.5	9.8	1.2	1.0	0.1
1959....	34.1	2.6	1.5	14.6	2.9	0.9	0.1
1960....	47.0	3.3	1.9	16.7	2.5	1.2	0.2
1961....	58.0	2.2	1.6	14.4	3.6	1.1	0.3
1962....	68.3	2.2	1.8	14.4	3.9	1.0	0.3
1963....	74.0	2.5	1.6	20.5	4.5	1.3	0.5
1964....	85.8	2.7	1.6	23.4	4.4	1.4	NA
1965....	95.9	3.7	2.4	25.7	4.9	1.6	0.9
1966 Sea	105.2	3.9	2.2	28.4	4.1	1.3	1.1
Air	2.5	0.2	0.3	0.9	-- <sup>1</sup>	-- <sup>1</sup>	-- <sup>1</sup>

1. Less than \$50,000.

Source: U. S. Department of Commerce, Bureau of the Census, Foreign Trade Report IA 254, U. S. Imports of Merchandise for Consumption and General Imports of Merchandise: Customs District of Entry by Country of Origin by TSUSA (Commodity) Number and AA 352, U. S. General Imports of Merchandise by Air: Customs District of Unloading by Country of Origin by Commodity.

Table 86. -- VALUE OF EXPORTS FROM HAWAII, TOTAL AND TO SELECTED WESTERN COUNTRIES: 1958 TO 1966 (in millions of dollars)

Year	Total	Canada	Belgium <sup>1</sup>	Great Britain	Netherlands	West Germany	Switzerland
1958....	17.0	1.5	1.6	0.8	1.1	5.2	0.8
1959....	18.0	1.3	2.0	0.8	1.3	4.7	0.7
1960....	20.3	2.7	1.6	0.4	1.8	3.2	1.0
1961....	22.5	2.5	1.2	0.7	1.0	3.0	0.8
1962....	28.1	3.4	1.8	1.7	1.4	5.5	1.2
1963....	26.6	3.9	1.3	1.3	1.4	4.1	0.8
1964....	38.2	2.7	2.1	1.7	1.6	5.2	0.9
1965....	34.7	1.3	1.4	1.0	1.5	5.5	1.0
1966 Sea	39.0	0.4	2.3	3.0	1.8	2.7	1.0
Air	7.9	0.3	--	0.2	-- <sup>2</sup>	-- <sup>2</sup>	-- <sup>2</sup>

1. Includes Luxemburg.

2. Less than \$5,000.

Source: For 1966, U. S. Department of Commerce, Bureau of the Census, Foreign Trade Report EA 663, U. S. Exports of Domestic and Foreign Merchandise - District of Exportation by Country of Destination by Schedule B Commodity Number and AA 752, U. S. Exports of Domestic and Foreign Merchandise by Air - District of Lading by Country of Destination by Commodity.

Table 87. -- VALUE OF EXPORTS FROM HAWAII, TOTAL AND TO SELECTED PACIFIC BASIN COUNTRIES: 1958 TO 1966 (in millions of dollars)

Year	Total	Australia	Hong Kong	Japan	New Zealand	Philippines	Taiwan
1958....	17.0	0.3	0.1	1.4	0.1	0.3	0.5
1959....	18.0	0.3	0.1	3.3	0.1	0.2	0.2
1960....	20.4	0.5	0.1	4.6	0.3	0.2	0.1
1961....	22.5	0.3	0.1	6.0	0.2	0.7	0.3
1962....	28.1	0.4	0.1	4.0	0.1	0.9	0.2
1963....	26.6	0.9	0.2	3.8	0.2	1.5	0.4
1964....	38.2	7.9	0.1	5.5	0.2	2.1	0.4
1965....	34.7	3.6	0.1	6.3	0.3	2.2	0.6
1966 Sea	39.0	5.4	0.1	7.5	1.0	1.8	0.5
Air	7.9	1.2	-- <sup>1</sup>	3.3	0.8	0.7	-- <sup>1</sup>

1. Less than \$50,000.

Source: For 1966, U. S. Department of Commerce, Bureau of the Census, Foreign Trade Report EA 663, U. S. Exports of Domestic and Foreign Merchandise - District of Exportation by Country of Destination by Schedule B Commodity Number and AA 752, U. S. Exports of Domestic and Foreign Merchandise by Air - District of Lading by Country of Destination by Commodity.

## HEALTH

Hawaii is a healthy place to live and work. It is one of the few places in the world free of rabies, malaria, dengue fever, yellow fever, filariasis and cholera. The last case of smallpox was reported in 1913.

The State Health Department is the oldest in the United States and was founded in 1850 by King Kamehameha III. Vital statistics have been kept continuously since that time.

The Department of Health, Research, Statistics and Planning Office, publishes a semi-annual estimate of civilian population for the state, each of the islands, and the cities of Honolulu and Hilo. Estimates of civilian population and dwelling units by census tract are prepared semi-annually for the City-County of Honolulu and Hawaii County. The annual statistical report of the department gives statistical series for all major divisions within the department.

Hospitals and nursing homes in the state are licensed by the Hospitals and Medical Facilities Branch of the Department of Health. This branch also issues reports of present and planned medical facilities in accordance with provisions of the Hill-Harris Act. More than half the 33 hospitals in the state are accredited by the American Hospital Association. Several hospitals on Oahu have approved training programs for residents and interns.

Licensing of physicians, dentists and other medical personnel is under the jurisdiction of the Department of Regulatory Agencies, Vocational Licensing Division.

Table 88. -- BIRTHS, DEATHS, MARRIAGES, DIVORCES AND NET MIGRATION FOR HAWAII:  
1951-1967

Year	Live Births	Civilian Deaths	Marriages	Divorces	Net Migration
1951...	14,463	--	5,860	NA	-17,302
1952...	15,612	--	5,743	NA	-16,734
1953...	16,132	--	5,633	NA	- 4,480
1954...	16,191	2,955	5,362	1,270	- 3,212
1955...	16,305	3,105	5,431	1,343	+ 9,829
1956...	17,122	3,084	5,158	1,305	+ 6,257
1957...	17,040	3,335	4,897	1,182	+14,396
1958...	16,710	3,128	4,727	1,228	- 203
1959...	17,050	3,314	4,958	1,378	+ 8,313
1960...	17,193	3,540	5,237	1,270	+ 904
1961...	17,558	3,367	5,298	1,556	+12,366
1962...	17,982	3,512	5,484	1,471	+ 3,279
1963...	17,744	3,643	5,750	1,515	+ 7,272
1964...	17,284	3,638	5,790	1,690	+10,883
1965...	16,259	3,705	6,071	1,111 <sup>1</sup>	+ 6,624
1966...	14,943	3,770	5,792	897 <sup>1</sup>	+15,498
1967p..	14,767	3,910	7,345	1,451 <sup>1</sup>	+40,316

1. Final decrees only. Interlocutory decrees of one year duration are not included.

Source: Department of Health, Research, Planning and Statistics Office.

Table 89. -- HOSPITALS IN HAWAII, BY NUMBER OF BEDS AND TYPES: DECEMBER 1967

Name and location	Type of hospital	Number of beds <sup>1</sup>	Intern or resident training
City-County of Honolulu			
Castle Memorial Hospital . . . . .	General	81	
Hale Mohalu. . . . .	Hansen's	260	
*Hawaii State Hospital . . . . .	Psych.	599	Yes
*Kahuku Hospital . . . . .	General	28	
*Kaiser Foundation Hospital. . . . .	General	152	
*Kapiolani Maternity & Gyn. Hospital. . . . .	OB & GYN	97	Yes
*Kauikeolani Children's Hospital . . . . .	Pediatric	73	Yes
*Kuakini Hospital . . . . .	General	203	Yes
*Leahi Hospital. . . . .	TB	174	
. . . . .	General	184	
. . . . .	Mental	74	
Leeward Hospital . . . . .	General	32	
Maluhia Hospital . . . . .	Chronic	146	
*The Queen's Medical Center. . . . .	General	499	Yes
. . . . .	Mental	38	
*Rehabilitation Center . . . . .	Rehabil.	73	
*Shriners Hospital for Crippled Children . . . . .	Orthopedic	58	Yes
*St. Francis Hospital. . . . .	General	288	Yes
*U. S. Army Tripler General Hospital. . . . .	General	1000	Yes
*Wahiawa General Hospital . . . . .	General	89	
Waialua General Hospital . . . . .	General	37	
Waimano Training School and Hospital . . . . .	Mental	816	
Hawaii County			
*Hilo Hospital . . . . .	General	359	
Honokaa Hospital . . . . .	General	42	
Kohala Hospital . . . . .	General	26	
Kona Hospital . . . . .	General	50	
Pahala Hospital . . . . .	General	30	
Kauai County			
*Kauai Veterans Hospital. . . . .	General	41	
*Samuel Mahelona Hospital . . . . .	TB	70	
. . . . .	Mental	36	
*Wilcox Memorial Hospital . . . . .	General	103	
Maui County			
Kula General Hospital (Maui) . . . . .	General	20	
Kalaupapa Settlement (Molokai) . . . . .	Hansen's	39	
Kula Sanatorium (Maui) . . . . .	TB	38	
. . . . .	Long Term	62	
. . . . .	Mental	43	
Lanai Community Hospital (Lanai). . . . .	General	14	
*Maui Memorial Hospital (Maui). . . . .	General	145	
*Molokai Community Hospital (Molokai) . . . . .	General	28	

\*. Accredited by American Hospital Association.

1. Number of beds as of December 1967.

Source: Department of Health, Hospital and Medical Facilities Branch.



## EDUCATION

Hawaii has excellent schools and colleges which provide modern educational facilities from nursery school through the doctorate program at the University of Hawaii and post-doctoral programs at the East-West Center.

All public schools throughout the state are under the administration of the Department of Education. The Department of Education is responsible for the employment and assignment of teaching and administrative personnel, maintenance of standards and curriculum of all public schools, and the licensing of private schools.

Hawaii has the ninth largest public school system in the United States under one school board.

Primary sources of information on education in Hawaii are the Research, Statistics and Data Processing Office and the Information Office of the Department of Education. The Department of Planning and Economic Development maintains information on the number of graduates in certain fields of work and publishes a brochure, Hawaii's Educational Resources, which describes public and private schools and colleges throughout the state.

Comparisons of Hawaii's educational costs, expenditures and other statistics with those of all the states are published annually by the National Education Association in their research report, Rankings of the States.

Table 90. -- ENROLLMENT IN PUBLIC AND PRIVATE SCHOOLS IN HAWAII:  
1953-54 TO 1967-68

School year	Total enrollment	Public schools	Private schools
1953-54...	132,361	106,464	25,897
1954-55...	139,162	113,544	23,618
1955-56...	145,794	119,054	26,740
1956-57...	152,444	124,857	27,587
1957-58...	157,571	130,158	27,413
1958-59...	163,787	135,088	28,699
1959-60...	169,925	140,666	29,259
1960-61...	175,172	145,134	30,038
1961-62...	180,006	149,554	30,452
1962-63...	184,231	153,298	30,933
1963-64...	187,825	156,651	31,174
1964-65...	193,047	160,681	32,366
1965-66...	194,620	162,189	32,431
1966-67...	200,242	166,375	33,867
1967-68...	202,839	169,004	33,835

Source: Department of Education, Office of Research, Statistics and Data Processing, A Compilation of Selected Statistics, Public and Non-Public Schools of Hawaii, 1967-68, Research Report No. 54, February 1, 1968, Tables 14 and 56.

Table 91. -- PUPILS ENROLLED IN PUBLIC AND PRIVATE SCHOOLS IN HAWAII:  
BY ISLAND: 1953-54 TO 1967-68

School Year	Oahu	Hawaii	Kauai <sup>1</sup>	Lanai	Maui	Molokai
1953-54...	92,640	18,109	8,082	691	11,548	1,291
1954-55...	98,797	18,441	8,279	694	11,675	1,276
1955-56...	105,255	18,609	8,247	689	11,673	1,321
1956-57...	112,027	18,701	8,169	683	11,532	1,332
1957-58...	117,604	18,463	8,199	663	11,327	1,315
1958-59...	123,907	18,458	8,236	662	11,268	1,256
1959-60...	130,373	18,418	8,075	623	11,137	1,299
1960-61...	135,562	18,542	8,059	636	11,066	1,307
1961-62...	140,512	18,514	8,054	639	10,922	1,365
1962-63...	144,633	18,668	8,105	642	10,790	1,393
1963-64...	148,336	18,575	8,186	647	10,689	1,392
1964-65...	153,579	18,659	8,187	634	10,592	1,396
1965-66...	155,621	18,508	8,026	643	10,458	1,364
1966-67...	160,366	18,429	8,119	611	10,580	1,370
1967-68...	163,480	18,522	8,190	598	10,664	1,385

1. Includes Island of Niihau.

Source: Computed by the Department of Planning and Economic Development from statistics on public and private school pupil membership reported by the Department of Education. Data are for pupils in kindergarten through grade 12 only.

Table 92. -- ENROLLMENT IN COLLEGES  
AND BUSINESS SCHOOLS: 1967-68

University and colleges	
University of Hawaii . . . . .	19,928
Chaminade College . . . . .	592
Church College of Hawaii . . . . .	1,030
East-West Center. . . . .	635
Hawaii Loa College . . . . .	52
Hawaii Pacific College. . . . .	142
Mauna Olu College . . . . .	125
Community Colleges	
Honolulu . . . . .	860
Kapiolani . . . . .	1,224
Kauai . . . . .	191
Maui. . . . .	522
Businesss and Technical Schools	
Cannon's School of Business . . . . .	350
College of Commerce. . . . .	436
Computer College of Hawaii . . . . .	30
Electronics Institute of Hawaii. . . . .	180
Hawaii Technical School . . . . .	480
Honolulu Business College. . . . .	955
New York Technical Institute. . . . .	213

Source: Department of Planning and Economic Development, Directory of Hawaii's Scientific Resources, Revised 1968. Full time enrollment.

Table 93. -- HIGH SCHOOL GRADUATES IN  
HAWAII: 1950 TO 1968

Year	Total	Public Schools	Private Schools
1950...	6,657	5,585	1,072
1951...	6,103	5,008	1,095
1952...	6,082	4,903	1,179
1953...	6,052	4,849	1,203
1954...	5,872	4,617	1,255
1955...	6,238	4,911	1,327
1956...	6,578	5,233	1,345
1957...	6,782	5,392	1,390
1958...	6,848	5,376	1,472
1959...	7,171	5,659	1,512
1960...	7,899	6,288	1,611
1961...	8,998	7,267	1,731
1962...	9,582	7,797	1,785
1963...	9,511	7,763	1,748
1964...	10,193	8,327	1,866
1965...	11,215	9,239	1,976
1966...	11,057	9,009	2,048
1967...	11,715	9,540	2,175
1968p..	11,800	9,660	2,140

Source: Department of Education, A Compilation of Selected Statistics, Public and Non-Public Schools of Hawaii, 1967-68, Research Report No. 54, February 1, 1968.

Table 94. -- NUMBER OF DEGREES AND DIPLOMAS AWARDED BY THE UNIVERSITY OF HAWAII: 1945 TO 1967

Year ending June 30	Total <sup>1</sup>	Bachelor	Master	Fifth-year diploma	Doctor <sup>2</sup>	Social work certif. <sup>3</sup>	Public health certif. <sup>4</sup>
1945...	257	185	7	52	--	9	4
1946...	222	164	9	37	--	12	7
1947...	318	220	12	63	--	14	9
1948...	418	329	12	50	--	20	7
1949...	536	425	18	57	1	23	12
1950...	724	569	34	82	--	24	15
1951...	854	647	50	119	1	23	14
1952...	897	721	41	108	--	19	8
1953...	753	692	7	25	2	18	9
1954...	794	643	41	96	1		13
1955...	860	648	42	156	2		12
1956...	832	644	39	140	--		9
1957...	917	723	32	152	2		8
1958...	957	735	54	154	3		11
1959...	1,052	812	71	152	4		13
1960...	1,149	881	81	175	3		9
1961...	1,190	832	109	242	7		
1962...	1,201	869	112	218	2		
1963...	1,359	894	252	198	15		
1964...	1,485	983	304	184	14		
1965...	1,719	1,183	362	154	20		
1966...	2,109	1,145	427	208	29		
1967...	2,309	1,517	555	--	28		

1. Total includes fifth-year diploma in education, social work certificates for the years 1945-1953 and public health nursing certificates for the years 1945-1960.

2. The first doctoral degree was granted by the University of Hawaii in 1933; the second in 1938 and the third in 1949.

3. Social work certificates were discontinued after 1953. The advanced degree is now given in this field.

4. Public health certificates were discontinued after 1960. The advanced degree is now given in this field.

Source: University of Hawaii, records.

Table 95. -- NUMBER OF PUBLIC AND PRIVATE SCHOOLS IN HAWAII, BY ISLAND: 1967-68

	State	Oahu	Hawaii	Kauai	Lanai	Maui	Molokai	Niihau
Total <sup>1</sup> .....	324	226	39	19	1	34	4	1
Public....	210	134	32	14	1	24	4	1
Private...	114	92	7	5	-	10	-	-

1. Total is for kindergarten through grade 12; includes special schools.

Source: Department of Education; Research, Statistics and Data Processing Office, Public and Private School Membership in Hawaii, 1966.

AREA, GEOGRAPHY AND CLIMATE

Hawaii, the 50th state, has an area of 6,450 square miles of land and water according to revised figures issued recently by the U. S. Bureau of the Census. It ranks 47th in size, being larger than Rhode Island, Delaware and Connecticut. It consists of eight major islands and the string of small islands and reefs of the Hawaiian archipelago stretching 1,367 miles northwest of Honolulu to Kure Island.

Hawaii's climate is almost ideal throughout the year with an average temperature ranging from 72 degrees in February to 79 degrees in August. Temperature and rainfall vary within the state depending more upon elevation and location rather than season.

The Department of Planning and Economic Development serves as a general source of information on geographic and climatological statistics. Primary data on land area and geology are obtained from the U. S. Geological Survey, the U. S. Coast and Geodetic Survey, the University of Hawaii Geology Department and the Hawaii Geophysical Institute. Information on land use is available from the State Land Use Commission and the Land Study Bureau at the University of Hawaii. Climatological data are supplied by the Environmental Science Services Administration, U. S. Weather Bureau. Distances between airports are obtained from the Federal Aviation Agency.

Table 96. -- DISTANCE FROM HONOLULU TO SELECTED CITIES AND PLACES

Place	Distance <sup>1</sup>	Place	Distance
Honolulu to:			
Hilo, Hawaii . . . .	214 miles	Auckland, New Zealand. . . .	4,393 miles
Kailua-Kona, Hawaii.	168	Hong Kong, Br. Crown Colony.	5,541
Kahului, Maui. . . .	98	Manila, Philippine Is. . . .	5,293
Kamuela, Hawaii . . .	170	Montreal, Canada . . . . .	5,043
Lanai Airport. . . . .	72	Saigon, Vietnam. . . . .	6,373
Lihue, Kauai . . . . .	103	Sydney, Australia . . . . .	5,070
Molokai Airport . . . .	54	Tokyo, Japan. . . . .	3,847
French Frigate Shoals.	556	Toronto, Canada. . . . .	4,766
Kure Island . . . . .	1,367	Vancouver, Canada . . . . .	2,709
Apra Harbor, Guam . . .	3,806	Anchorage, Alaska . . . . .	2,782
Johnston Island. . . .	820	Chicago, Illinois . . . . .	4,179
Midway Islands . . . .	1,309	Los Angeles, California . . .	2,557
Pago Pago, Tutuila. . .	2,606	Miami, Florida . . . . .	4,856
Palmyra Islands. . . . .	1,101	New York, New York. . . . .	4,959
Suva, Fiji . . . . .	3,159	Portland, Oregon . . . . .	2,595
Wake Island . . . . .	2,294	San Francisco, California . .	2,397
		Seattle, Washington . . . . .	2,679
		Washington, D. C. . . . .	4,829

1. Distance is great circle distance measured in statute miles from Honolulu International Airport which is located at 21° 19' N. latitude and 157° 55' W. longitude.

Source: U. S. Department of the Interior, U. S. Geological Survey, records, and Federal Aviation Agency.

Table 97. -- AVERAGE TEMPERATURE AND PRECIPITATION, SELECTED AREAS OF HAWAII

Location	Elevation	Temperature (°F)			Pre- cipitation Annual average (inches)
		Annual average	Average high	Average low	
City-County of Honolulu					
Honolulu Airport . . . . .	7	76	82	70	22
Honolulu Downtown. . . . .	12	75	80	70	24
Kaneohe (MCAS). . . . .	10	76	80	72	42
Waianae . . . . .	20	76	85	68	20
Waikiki <sup>1</sup> . . . . .	10	77	85	68	25Est.
Hawaii County					
Hilo Airport . . . . .	31	73	81	66	137
Kamuela . . . . .	2,670	65	75	54	38
Kawaihae. . . . .	11	77	86	69	9
Kona Airport . . . . .	15	75	83	67	25
Mauna Loa Observ.. . . .	11,146	44	55	34	23
Volcanoes Nat. Park . . .	3,971	61	68	53	98
Kauai County					
Lihue Airport . . . . .	103	74	81	68	43
Mana . . . . .	11	75	84	65	22
Mt. Waialeale . . . . .	5,075	--	--	--	486
Poipu Bay . . . . .	52	76	83	69	33
Wainiha . . . . .	690	--	--	--	160
Maui County					
Haleakala Summit . . . .	9,960	46	55	38	48
Hana . . . . .	120	74	80	68	72
Kula Sanatorium . . . . .	3,004	64	73	54	32
Lahaina . . . . .	45	75	84	65	14
Wailuku . . . . .	200	75	82	67	26
Lanai City, Lanai. . . . .	1,620	69	75	62	35
Molokai Airport . . . . .	420	--	--	--	22

1. Only 1965-1967 records available.

Source: Environmental Science Services Administration, U. S. Weather Bureau, Honolulu, Hawaii. Weather Bureau Normals (1931-60) used where available.

Table 98. -- AREA AND SHORELINE OF HAWAIIAN ISLANDS

County & Island	Area (sq. miles)			Tidal shoreline
	Land and water	Land	Inland water	
State of Hawaii .	6,450	6,425	25.1	1,052
Hawaii County. . .	4,038	4,037	1.0	313
Maui County <sup>1</sup> . . .	1,161	1,160	0.8	343
Kahoolawe Island .	45	45	--	36
Lanai Island . . .	140	140	--	52
Maui Island. . . .	729	728	0.6	149
Molokai Island <sup>2</sup> .	261	261	0.2	106
Kauai County . . .	627	619	8.0	162
Kauai Island . . .	553	549	4.6	110
Niihau Island . . .	73	70	3.4	50
Kaula & Lehua Is..	0.8	0.8	--	2
Honolulu County . .	611	596	15.2	234
Oahu Island . . .	608	593	15.0	209
Outlying islands .	3	3	--	25
Kalawao County . .	13	13	--	NA

1. County area does not include 13 square miles for Kalawao County which is part of Molokai Island. County shoreline does include Kalawao.

2. Island total includes 13 square miles for Kalawao County.

Source: Department of Planning and Economic Development, Statistical Reports Nos. 17 and 49.

Table 99. -- ELEVATION OF MAJOR MOUNTAINS IN HAWAII, BY ISLAND

Name and Location	Elevation (feet)	Name and Location	Elevation (feet)
Hawaii Island		Maui Island	
Mauna Kea . . . . .	13,796	Haleakala . . . . .	10,023
Mauna Loa . . . . .	13,677	Puu Kukui . . . . .	5,788
Hualalai. . . . .	8,271	Iao Needle . . . . .	2,250
Kohala . . . . .	5,480		
Kahoolawe Island		Molokai Island	
Lua Makika . . . . .	1,477	Kamakou . . . . .	4,970
Kauai Island		Oahu Island	
Kawaikini . . . . .	5,243	Kaala. . . . .	4,040
Waialeale . . . . .	5,148	Puu Konahuanui. . . . .	3,150
		Tantalus. . . . .	2,013
Lanai Island		Niihau Island	
Lanaihale . . . . .	3,370	Paniau . . . . .	1,281

Source: U. S. Department of the Interior, U. S. Geological Survey, Map Information Service, Washington, D. C. 20242.

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