

Section 12

LABOR FORCE, EMPLOYMENT, AND EARNINGS

This section presents statistics on the size and composition of the labor force, employment by occupation, industry, class of worker, and place of work, wage rates, payrolls, hours, industrial safety, work disability, unionization, and strikes. Related series appear in Sections 3, 9, 10, and 19 through 23.

The civilian labor force averaged 489,000 in 1986; of this total, 465,000 persons were employed and 24,000 were unemployed and seeking work. The civilian jobcount rose from 387,000 in 1976 to 485,000 a decade later. (The jobcount differs from employment because the latter counts multiple jobholders -- "moonlighters" -- only once.) Areas with large concentrations of workers in 1980 included downtown Honolulu (46,000), Waikiki (30,000), and Pearl Harbor-Hickam (15,000). The unemployment rate averaged 4.9 percent in 1986, with individual island levels ranging from 4.4 to 13.5 percent. By occupation, one out of four civilian workers is classified as professional or managerial. Activities with especially large numbers of employees include services (119,000 in 1986), retail trade (97,000), and government (94,000). The average annual earnings of wage and salary workers under the Hawaii Employment Security Law reached \$18,100 in 1986, or 5.6 percent less than the 1976 average after adjustment for inflation. Average weekly hours in 1986 ranged from 31.0 (for retail trade) to 42.4 (for communication and utilities). Labor union membership was estimated at 157,000 in 1985. Work stoppages in 1986 involved 1,300 workers.

Principal sources for the data on labor force, employment, place of work, hours, earnings, unions and strikes are the decennial reports of the U.S. Bureau of the Census, the same agency's Current Population Survey, reports by the U.S. Bureau of Labor Statistics, monthly and annual tabulations by the Hawaii State Department of Labor and Industrial Relations, and annual surveys of pay rates by the Hawaii Employers Council. Historical Statistics of Hawaii, Section 4, includes figures for earlier years. Statistics for the nation as a whole are published in Section 13 of the Statistical Abstract of the United States: 1987.

Table 363.-- LABOR FORCE STATUS, BY SEX: 1950 TO 1980

Sex and labor force status	1950 ^{1/}	1960	1970	1980
BOTH SEXES				
Persons 16 years and over	351,375	402,937	522,018	723,479
Labor force	207,952	263,450	344,269	494,223
Armed forces	22,856	47,255	49,785	58,443
Civilian labor force	185,096	216,195	294,484	435,780
Employed	167,571	207,456	285,556	415,181
Unemployed	17,525	8,739	8,928	20,599
Percent of civ. labor force	9.5	4.0	3.0	4.7
Not in labor force	143,423	139,487	177,749	229,256
MALE				
Persons 16 years and over	197,864	219,822	272,726	370,683
Labor force	157,088	186,507	222,221	290,420
Armed forces	22,572	46,626	48,860	54,032
Civilian labor force	134,516	139,881	173,361	236,388
Employed	120,972	135,481	168,940	225,331
Unemployed	13,544	4,400	4,421	11,057
Percent of civ. labor force	10.1	3.1	2.6	4.7
Not in labor force	40,776	33,315	50,505	80,263
FEMALE				
Persons 16 years and over	153,511	183,115	249,292	352,796
Labor force	50,864	76,943	122,048	203,803
Armed forces	284	629	925	4,411
Civilian labor force	50,580	76,314	121,123	199,392
Employed	46,599	71,975	116,616	189,850
Unemployed	3,981	4,339	4,507	9,542
Percent of civ. labor force	7.9	5.7	3.7	4.8
Not in labor force	102,647	106,172	127,244	148,993

^{1/} Data refer to persons 14 years and over.

Source: U.S. Bureau of the Census, U.S. Census of Population: 1960, General Social and Economic Characteristics, Hawaii, PC(1)-13C (1962), tables 53 and 54, and Detailed Characteristics, Hawaii, PC(1)-13D (1962), table 115; 1970 Census of Population, General Social and Economic Characteristics, Hawaii, PC(1)-C13 (December 1971), table 53; 1980 Census of Population, General Social and Economic Characteristics, Hawaii, PC80-1-C13 (June 1983), table 61.

Table 364.-- LABOR FORCE STATUS, BY COUNTIES: 1980

Subject	The State	Counties				
		Hawaii	Honolulu	Kala-wao	Kauai	Maui
Persons 16 years and over ..	723,479	67,205	574,903	144	28,629	52,598
Labor force	494,223	41,214	397,889	82	18,998	36,040
Percent of persons 16 years and over	68.3	61.3	69.2	56.9	66.4	68.5
Civilian labor force	435,780	41,006	339,863	82	18,789	36,040
Employed	415,181	38,150	324,113	82	18,223	34,613
Unemployed	20,599	2,856	15,750	-	566	1,427
Percent of civilian labor force	4.7	7.0	4.6	-	3.0	4.0
Not in labor force	229,256	25,991	177,014	62	9,631	16,558
Female, 16 years and over ..	352,796	33,160	279,711	56	13,871	25,998
Labor force	203,803	17,013	162,998	35	8,077	15,680
Percent of female, 16 years and over	57.8	51.3	58.3	62.5	58.2	60.3
Civilian labor force	199,392	17,007	158,618	35	8,052	15,680
Employed	189,850	15,875	151,089	35	7,756	15,095
Unemployed	9,542	1,132	7,529	-	296	585
Percent of civilian labor force	4.8	6.7	4.7	-	3.7	3.7
Not in labor force	148,993	16,147	116,713	21	5,794	10,318
Female, 16 years and over ..	352,796	33,160	279,711	56	13,871	25,998
With own children under 6 years .	62,606	6,679	48,648	-	2,632	4,647
In labor force	32,215	3,244	24,828	-	1,467	2,676
With own children 6 to 17 years only	65,359	5,661	52,415	-	2,681	4,602
In labor force	45,523	3,864	36,248	-	1,992	3,419

Source: U.S. Bureau of the Census, 1980 Census of Population, General Social and Economic Characteristics, Hawaii, PC 80-1-C13 (June 1983), tables 67 and 176.

Table 365.-- LABOR FORCE STATUS, BY AGE AND SEX: 1980

Sex and age	Total	Armed forces	Civilian labor force			Not in labor force
			Total	Em- ployed	Unem- ployed	
Persons 16 years and over	723,479	58,443	435,780	415,181	20,599	229,256
Male	370,683	54,032	236,388	225,331	11,057	80,263
16 to 19 years	37,481	5,598	14,441	12,658	1,783	17,442
20 to 24 years	59,293	21,970	30,569	28,079	2,490	6,754
25 to 54 years	192,705	26,207	153,456	147,844	5,612	13,042
55 to 64 years	43,030	248	30,282	29,346	936	12,500
65 years and over	38,174	9	7,640	7,404	236	30,525
Female	352,796	4,411	199,392	189,850	9,542	148,993
16 to 19 years	32,403	411	13,288	11,734	1,554	18,704
20 to 24 years	46,694	1,937	29,581	27,514	2,067	15,176
25 to 54 years	192,675	2,033	132,002	126,889	5,113	58,640
55 to 64 years	43,233	30	21,109	20,483	626	22,094
65 years and over	37,791	-	3,412	3,230	182	34,379
	Percent of total population in labor force		Percent of civilian population in civilian labor force		Percent of civilian labor force unemployed	
Age	Male	Female	Male	Female	Male	Female
Persons 16 years and over .	78.3	57.8	74.7	57.2	4.7	4.8
16 to 19 years	53.5	42.3	45.3	41.5	12.3	11.7
20 to 24 years	88.6	67.5	81.9	66.1	8.1	7.0
25 to 54 years	93.2	69.6	92.2	69.2	3.7	3.9
55 to 64 years	71.0	48.9	70.8	48.9	3.1	3.0
65 years and over	20.0	9.0	20.0	9.0	3.1	5.3

Source: U.S. Bureau of the Census, 1980 Census of Population, General Social and Economic Characteristics, Hawaii, PC80-1-C-13 (June 1983), table 67.

Table 366.-- EMPLOYMENT STATUS OF THE CIVILIAN LABOR FORCE:
ANNUAL AVERAGES, 1970 TO 1986

Year	Civilian labor force	Civilian employment	Unemployed	
			Number	Percent
1970	321,550	305,650	15,900	4.9
1971	336,800	313,450	23,350	6.9
1972	351,000	324,050	26,950	7.7
1973	364,600	338,350	26,250	7.2
1974	375,000	345,350	29,650	7.9
1975	382,950	351,100	31,850	8.3
1976	410,000	370,000	40,000	9.8
1977	418,000	388,000	31,000	7.3
1978	420,000	388,000	32,000	7.7
1979	422,000	395,000	26,000	6.3
1980	440,000	418,000	21,000	4.9
1981	451,000	427,000	24,000	5.4
1982	461,000	430,000	31,000	6.7
1983 1/ .	472,000	442,000	30,000	6.4
1984 I/ .	472,000	445,000	27,000	5.7
1985 I/ .	478,000	451,000	27,000	5.6
1986	489,000	465,000	24,000	4.9

1/ Revised from Data Book 1986, table 353.

Source: Hawaii State Department of Labor and Industrial Relations, Labor Force Data Book (March 1978), as revised annually through April 1987.

Table 367.-- EMPLOYMENT STATUS OF THE CIVILIAN LABOR FORCE,
FOR COUNTIES AND ISLANDS: ANNUAL AVERAGES, 1976 TO 1986

[Data for 1980 and later years are not directly comparable to estimates for earlier years. Island data may not add exactly to State totals in preceding table]

Year	Oahu	Hawaii County	Kauai County	Maui County			
				County total	Lanai	Maui	Molokai
CIVILIAN LABOR FORCE							
1976	324,800	37,050	17,750	30,400	1,700	25,600	3,100
1977	330,550	37,800	18,500	32,100	1,700	27,150	3,200
1978	330,650	37,600	18,450	33,300	1,800	27,850	3,600
1979	331,100	37,250	18,500	34,150	1,750	28,650	3,700
1980	338,350	43,550	19,550	37,550	1,300	33,900	2,350
1981	345,700	45,450	20,100	39,800	1,300	36,000	2,500
1982	350,100	47,200	20,850	42,900	1,350	38,950	2,600
1983	357,150	48,350	21,650	44,850	1,150	40,950	2,750
1984	357,100	48,650	21,300	44,950	1,150	41,250	2,550
1985 <u>1/</u> ...	358,850	50,300	22,000	46,850	1,050	43,450	2,300
1986	366,750	50,850	23,100	48,300	1,100	44,800	2,450
CIVILIAN EMPLOYMENT							
1976	293,750	32,900	16,100	27,250	1,450	23,100	2,650
1977	306,500	34,350	17,350	29,800	1,600	25,300	2,900
1978	305,950	33,950	17,200	30,900	1,650	26,000	3,250
1979	311,050	34,350	17,500	32,100	1,650	27,100	3,300
1980	322,800	40,850	18,700	35,650	1,200	32,450	2,050
1981	328,500	42,150	18,900	37,450	1,150	34,150	2,150
1982	328,600	42,700	19,150	39,550	1,100	36,250	2,200
1983	336,550	44,050	20,000	41,450	1,050	38,150	2,200
1984	338,050	44,900	19,800	42,250	1,000	39,000	2,200
1985 <u>1/</u> ...	343,400	46,050	20,500	44,050	850	41,200	2,000
1986	350,550	47,000	21,700	45,750	950	42,700	2,100

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Table 367.-- EMPLOYMENT STATUS OF THE CIVILIAN LABOR FORCE,
FOR COUNTIES AND ISLANDS: ANNUAL AVERAGES, 1976 TO 1986 -- Con.

Year	Oahu	Hawaii County	Kauai County	Maui County			
				County total	Lanai	Maui	Molokai
UNEMPLOYED							
1976	31,000	4,150	1,650	3,150	200	2,500	450
1977	24,050	3,450	1,200	2,350	150	1,900	300
1978	24,700	3,650	1,200	2,400	200	1,850	400
1979	20,050	2,900	1,000	2,050	100	1,550	400
1980	15,550	2,700	850	1,900	100	1,500	350
1981	17,150	3,350	1,150	2,350	150	1,900	300
1982	21,500	4,500	1,700	3,300	250	2,700	400
1983	20,600	4,300	1,650	3,400	100	2,800	550
1984	19,100	3,750	1,500	2,700	150	2,200	350
1985 ^{1/} ..	18,450	4,250	1,500	2,800	200	2,250	300
1986	16,200	3,850	1,400	2,550	100	2,100	350
PERCENT UNEMPLOYED							
1976	9.6	11.2	9.3	10.4	13.0	9.8	14.4
1977	7.3	9.1	6.4	7.3	8.0	6.9	10.0
1978	7.5	9.8	6.5	7.3	10.4	6.6	10.5
1979	6.1	7.8	5.3	6.0	5.4	5.5	10.7
1980	4.6	6.2	4.3	5.1	8.1	4.4	14.2
1981	5.0	7.3	5.8	5.9	10.6	5.2	12.9
1982	6.1	9.5	8.2	7.7	18.0	6.9	15.2
1983	5.8	8.9	7.7	7.6	9.0	6.8	19.4
1984	5.3	7.7	7.0	6.0	11.3	5.4	13.8
1985 ^{1/} ..	5.1	8.5	6.8	5.9	20.2	5.2	12.9
1986	4.4	7.6	6.0	5.3	11.4	4.7	13.5

^{1/} Revised from Data Book 1986, table 354.

Source: Hawaii State Department of Labor and Industrial Relations, Labor Force Data Book (March 1978), tables 2-8, as revised annually through April 1987.

Table 368.-- CHARACTERISTICS OF THE INSURED UNEMPLOYED: 1986

[Includes all eligible claimants who filed new claims for unemployment insurance benefits during the calendar year. Includes both intrastate and interstate claimants, with Hawaii as the liable state]

Subject	Number	Subject	Number
Total	36,951	Industry:	
Age:		Agriculture	1,997
Under 20 years	722	Construction, mining	5,817
20 to 29 years	12,466	Manufacturing	3,704
30 to 39 years	11,214	Transportation	3,145
40 to 49 years	6,305	Communication, utilities	332
50 to 59 years	4,132	Wholesale trade	1,333
60 years and over	1,869	Eating, drinking places .	2,825
Unknown	243	Other retail trade	3,230
Sex:		Finance and related	1,602
Male	21,203	Hotel and related	2,464
Female	15,748	Other services	5,906
Education:		Government	3,909
8 years or less	2,881	Unknown	687
9 to 12 years	19,990	Occupation:	
13 to 16 years	9,059	Prof., tech., mgr.	4,388
17 years or more	1,336	Clerical	5,175
Unknown	3,685	Sales	1,447
Race:		Service	4,294
Black	815	Farming	989
Chinese	1,390	Processing	306
Filipino	7,508	Machine trades	675
Hawaiian	3,718	Benchwork	310
Japanese	4,866	Struct. work	2,153
Spanish	224	Miscellaneous	2,326
White	10,700	Unknown	14,888
Other	7,267	Weeks compensated:	
Unknown	463	0	9,878
		1 to 5	10,853
		6 to 10	5,200
		11 to 25	7,762
		26 or more	3,258

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Table 368.-- CHARACTERISTICS OF THE INSURED UNEMPLOYED: 1986 - Con.

Subject	Number	Subject	Number
Amount of benefits:		Annual wages:	
Less than \$500	18,032	Less than \$5,000	6,263
\$500 to \$999	4,755	\$5,000 to \$9,999	10,305
\$1,000 to \$1,999	5,818	\$10,000 to \$14,999	8,310
\$2,000 to \$2,999	3,579	\$15,000 to \$19,999	5,564
\$3,000 or more	4,767	\$20,000 and more	6,489
		Unknown	20

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

Table 369.--LABOR FORCE STATUS OF THE CIVILIAN NONINSTITUTIONAL POPULATION 16 YEARS AND OVER: ANNUAL AVERAGES, 1986

[Numbers in thousands]

Labor force status	Persons 16 years and over			16 to 19 years (both sexes)
	Both sexes	Men	Women	
Civilian noninstitutional population .	739	352	387	60
Civilian labor force	488	260	228	29
Percent of population	66.1	73.8	59.0	47.9
Employment	465	247	217	24
Percent of population	62.9	70.2	56.1	39.5
Unemployment	24	13	11	5
Rate ^{1/}	4.8	4.9	4.8	17.5
Not in civilian labor force	251	92	159	31

^{1/} Percent of civilian labor force. The error ranges for these rates, at the 90-percent confidence interval, are: both sexes, 4.2-5.5; men, 4.0-5.7; women, 3.9-5.7; 16-19, 13.3-21.7.

Source: U.S. Bureau of Labor Statistics, Geographic Profile of Employment and Unemployment, 1986 (Bull. 2279, May 1987), p. 38.

Table 370.-- JOBCOUNT, BY COUNTIES: ANNUAL AVERAGES, 1970 TO 1986

[Persons holding more than one job are counted in each position. As a result, these data differ from corresponding estimates of employment, reported elsewhere in this section. Active-duty armed forces are excluded, unless also employed in civilian jobs]

Year	State total	City and County of Honolulu	Hawaii County	Kauai County	Maui County
1970	331,580	270,310	28,410	12,540	20,320
1971	339,070	276,260	29,000	12,960	20,840
1972	349,950	285,900	29,450	13,050	21,550
1973	365,050	298,900	30,150	13,600	22,250
1974	374,650	306,350	31,000	13,600	23,650
1975	380,900	308,550	32,350	14,550	25,400
1976	387,000	312,100	33,000	15,250	26,600
1977	398,600	319,900	34,100	15,900	28,450
1978	417,500	334,400	35,400	16,650	30,950
1979	434,450	348,150	36,300	17,200	32,650
1980	448,150	357,900	38,200	18,400	33,850
1981	449,900	357,350	39,050	18,300	35,150
1982	446,050	352,150	39,050	18,300	36,600
1983	453,750	357,100	39,850	18,900	37,850
1984	461,000	362,200	41,000	18,950	38,950
1985 ^{1/} .	473,150	369,800	42,400	19,900	41,100
1986	485,350	378,950	43,100	20,900	42,400

^{1/} Revised from Data Book 1986, table 357.

Source: Hawaii State Department of Labor and Industrial Relations, Labor Force Data Book (March 1978), as revised annually through April 1987; Labor Force Statistics, Bull. No. 70-F and 72-F.

Table 371.-- JOBCOUNT, BY INDUSTRY: ANNUAL AVERAGES, 1977 TO 1986

Industry	1977	1978	1979	1980	1981
Nonagriculture, wage and salary	359,400	377,300	394,000	404,100	404,800
Contract construction	19,750	20,650	23,400	23,950	21,900
Manufacturing	23,200	23,700	23,900	23,350	23,000
Durable goods	4,600	4,700	4,800	4,700	4,250
Nondurable goods	18,600	19,000	19,100	18,650	18,750
Food processing	11,250	11,700	11,600	11,150	11,150
Pineapple	3,050	3,200	3,200	2,900	2,800
Sugar	3,950	4,150	3,950	3,900	3,950
Other	4,250	4,300	4,400	4,350	4,350
Textile, apparel	3,250	3,250	3,300	3,050	2,950
Printing, publishing	2,750	2,850	2,950	3,100	3,150
Other nondurables	1,350	1,200	1,250	1,350	1,500
Transp., commun., utilities ..	28,200	28,800	30,500	31,200	31,900
Transportation	19,200	19,950	21,200	21,500	21,900
Communication	6,500	6,350	6,750	7,150	7,400
Utilities	2,500	2,500	2,500	2,550	2,600
Trade	92,200	97,900	102,900	105,250	105,450
Wholesale	16,600	17,200	18,300	18,600	18,700
Retail	75,550	80,700	84,650	86,700	86,750
Finance, insur., real estate .	25,650	28,850	31,500	32,850	31,700
Services and miscellaneous ...	84,750	90,300	95,350	98,450	101,900
Hotels	22,100	22,850	24,100	24,900	24,800
Other services, misc.	62,650	67,450	71,250	73,550	77,100
Government	85,700	87,050	86,500	89,050	89,000
Federal	29,300	29,350	29,700	30,000	30,350
Air Force	3,050	2,850	2,750	2,650	2,600
Army	4,750	4,500	4,250	4,100	4,300
Navy	11,200	11,750	11,850	11,950	12,500
Other	10,250	10,250	10,800	11,250	10,900
State	42,650	43,350	43,300	45,150	45,250
Local	13,800	14,350	13,500	13,900	13,350
Agriculture, wage and salary ...	11,300	11,550	10,850	10,650	11,550
Sugar	5,000	4,900	5,000	4,950	5,200
Pineapple	2,400	2,550	2,550	2,500	2,450
Other	3,900	4,100	3,300	3,200	3,950
Nonagric., self-employed ^{2/}	23,000	23,800	24,350	28,300	29,150
Agric., self-employed ^{3/}	4,400	4,700	4,550	4,600	4,350
Labor disputes	500	150	700	500	50

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Table 371.-- JOBCOUNT, BY INDUSTRY: ANNUAL AVERAGES, 1977 TO 1986 -- Con.

Industry	1982	1983	1984	1985 <u>1/</u>	1986
Nonagriculture, wage and salary	399,400	406,200	412,650	425,750	437,200
Contract construction	17,850	17,800	15,800	17,150	18,950
Manufacturing	22,400	22,350	21,900	21,900	22,050
Durable goods	3,900	3,600	3,350	3,700	3,850
Nondurable goods	18,550	18,750	18,550	18,250	18,250
Food processing	11,150	11,250	10,750	10,050	10,150
Pineapple	2,750	2,550	2,150	1,900	2,000
Sugar	3,850	3,750	3,700	3,450	3,300
Other	4,550	4,900	4,900	4,700	4,850
Textile, apparel	2,850	2,900	2,950	3,300	3,300
Printing, publishing	3,150	3,150	3,350	3,450	3,400
Other nondurables	1,400	1,450	1,450	1,400	1,350
Transp., commun., utilities ..	31,200	31,100	31,950	33,200	33,950
Transportation	21,150	21,100	22,100	23,400	24,300
Communication	7,500	7,550	7,500	7,350	7,100
Utilities	2,550	2,450	2,400	2,450	2,550
Trade	104,850	106,850	111,400	115,650	116,700
Wholesale	18,500	18,400	18,900	19,550	19,300
Retail	86,300	88,450	92,450	96,100	97,350
Finance, insur., real estate .	31,500	31,900	31,850	31,950	32,900
Services and miscellaneous ...	101,200	104,950	107,950	112,650	118,750
Hotels	26,500	27,000	28,250	29,000	29,250
Other services, misc.	74,700	77,900	79,700	83,650	89,500
Government	90,300	91,300	91,850	93,300	93,850
Federal	31,500	32,100	32,100	32,400	32,100
Air Force	2,650	2,650	2,650	2,650	2,650
Army	4,650	4,850	5,000	5,400	5,600
Navy	13,100	13,350	12,950	12,700	12,150
Other	11,100	11,250	11,550	11,600	11,750
State	45,650	45,900	46,550	47,400	48,600
Local	13,150	13,300	13,200	13,500	13,150
Agriculture, wage and salary ...	11,300	11,200	10,800	10,400	10,150
Sugar	4,700	4,500	4,300	4,100	4,000
Pineapple	2,450	2,300	2,100	1,950	2,050
Other	4,150	4,400	4,400	4,350	4,100
Nonagric., self-employed <u>2/</u> ...	31,300	32,300	33,450	33,400	34,600
Agric., self-employed <u>3/</u>	3,950	3,900	3,650	3,500	3,200
Labor disputes	100	150	450	100	200

Footnotes and source follow next table.

Table 372.-- JOBCOUNT BY INDUSTRY, BY COUNTIES: ANNUAL AVERAGE, 1986

Industry	State total	City and County of Honolulu	Hawaii County	Kauai County	Maui County
Nonagriculture, wage and salary	437,200	350,650	32,950	17,650	35,950
Contract construction	18,950	15,550	1,250	650	1,500
Manufacturing	22,050	16,250	2,650	1,200	1,950
Durable goods	3,850	3,450	100	(Z)	200
Nondurable goods	18,250	12,750	2,550	1,150	1,750
Food processing	10,150	5,450	2,150	1,050	1,500
Textile, apparel	3,300	3,150	(NS)	(NS)	(NS)
Printing, publishing	3,400	3,000	(NS)	(NS)	(NS)
Other nondurables	1,350	1,200	(NS)	(NS)	(NS)
Transp., commun., utilities ..	33,950	27,750	2,000	1,950	2,250
Transportation	24,300	20,400	(NS)	(NS)	(NS)
Communication	7,100	5,500	(NS)	(NS)	(NS)
Utilities	2,550	1,800	(NS)	(NS)	(NS)
Trade	116,700	91,750	9,250	5,050	10,650
Wholesale	19,300	16,500	1,500	400	950
Retail	97,350	75,250	7,750	4,650	9,700
Finance, insur., real estate .	32,900	27,850	1,550	1,000	2,500
Services and miscellaneous ...	118,750	92,350	9,100	5,000	12,300
Hotels	29,250	16,350	3,950	2,500	6,450
Other services, misc.	89,500	76,000	5,150	2,550	5,850
Government	93,850	79,200	7,100	2,800	4,750
Federal	32,100	30,900	650	250	300
Air Force	2,650	2,550	(NS)	(NS)	(NS)
Army	5,600	5,500	(NS)	(NS)	(NS)
Navy	12,150	12,100	(NS)	(NS)	(NS)
Other	11,750	10,800	(NS)	(NS)	(NS)
State	48,600	39,100	4,650	1,750	3,150
Local	13,150	9,200	1,800	850	1,300
Agriculture, wage and salary ...	10,150	2,600	3,400	1,250	2,900
Sugar	4,000	550	1,250	1,050	1,100
Pineapple	2,050	850	-	-	1,200
Other	4,100	1,200	2,100	200	600
Nonagric., self-employed <u>2</u> /	34,600	24,900	4,650	1,800	3,250
Agric., self-employed <u>3</u> /	3,200	600	2,100	200	300
Labor disputes	200	200	-	-	(Z)

Z Fewer than 50.

NS Not shown separately.

1/ Revised from Data Book 1986, tables 358-359.

2/ Includes unpaid family workers and domestics.

3/ Includes unpaid family workers.

Source: Hawaii State Department of Labor and Industrial Relations, Labor Force Data Book (March 1978), as revised annually through April 1987.

Table 373.-- LABOR FORCE AND JOB ESTIMATES AND PROJECTIONS: 1985 TO 2005

[Thousands. Annual averages. Series M-F projections, recommended by DBED
for State planning purposes]

Subject	Estimates		Projections			
	1985	1986	1990	1995	2000	2005
Civilian labor force 1/ (1,000)	478.0	489.0	533.4	575.6	607.9	627.7
Persons employed 1/.....	451.0	465.0	503.9	544.2	574.7	593.7
Total jobs (1,000)	531.1	543.8	572.3	613.4	644.5	663.9
Armed forces	58.0	58.6	58.4	58.4	58.4	58.4
Civilian jobs 1/	473.1	485.2	513.8	554.9	586.1	605.4
Self-employed	36.9	37.8	34.9	37.7	39.8	41.1
Wage and salary jobs by sector .	436.2	447.4	478.9	517.3	546.3	564.3
Agriculture	10.4	10.2	11.1	10.6	10.2	9.8
Food processing	10.0	10.2	11.0	10.8	10.5	10.3
Miscellaneous manufacturing ..	11.8	11.9	12.1	12.6	12.9	13.1
Construction	17.2	19.0	23.4	25.8	27.7	28.9
Transportation, communication, and utilities	33.2	34.0	35.5	38.3	40.2	40.6
Trade (exc. eating & drinking)	75.5	75.2	85.6	94.9	102.1	108.2
Eating and drinking places ...	40.2	41.5	43.6	47.8	50.6	51.9
Finance, insurance, and real estate	31.9	32.9	36.8	39.7	41.9	43.5
Hotels	29.0	29.2	31.8	35.0	36.9	37.1
Other services	83.6	89.5	88.4	96.8	103.5	108.0
State and local government ...	60.9	61.8	66.6	71.1	74.6	77.4
Federal government 1/	32.4	32.1	33.1	33.9	34.7	35.4

1/ Includes civilian employees of the armed forces.

Source: Hawaii State Department of Labor and Industrial Relations, Labor Force Data Book (March 1978), as revised annually through April 1987, and Employment Series 202 quarterly reports; Hawaii State Department of Planning and Economic Development, Population and Economic Projections for the State of Hawaii, 1980-2005 (July 1984), p. 14, and Military Personnel and Dependents in Hawaii, 1986 (Statistical Report 192, September 29, 1986).

Table 374.-- EMPLOYMENT BY INDUSTRY: 1980 AND 1970

Industry	1980	1970
Employed persons 16 years and over	415,181	285,556
Agriculture, forestry, and fisheries	14,560	13,161
Mining	233	322
Construction	29,888	26,637
Manufacturing	32,914	31,188
Nondurable goods	21,234	21,173
Durable goods	11,680	10,015
Transportation, communications, and other public utilities .	36,478	26,403
Wholesale and retail trade	98,542	61,044
Finance, insurance, and real estate	31,648	14,356
Business and repair services	17,832	8,978
Personal services	31,288	20,301
Entertainment and recreation services	6,862	3,756
Professional and related services	73,363	48,310
Public administration	41,573	31,100

Source: U.S. Bureau of the Census, 1980 Census of Population, General Social and Economic Characteristics, Hawaii, PC80-1-C13 (June 1983), table 61.

Table 375.-- EMPLOYMENT BY CLASS OF WORKER: 1940 TO 1980

[Persons 14 years and over through 1960; 16 years and over, 1970 and 1980]

Class of worker	1940	1950	1960	1970	1980
All employed civilians ...	153,796	167,571	209,370	285,556	415,181
Private wage and salary workers	113,551	111,036	144,602	200,912	300,315
Government workers	18,553	34,400	46,078	70,547	90,401
Self-employed workers	15,967	19,192	17,009	12,832	22,965
Unpaid family workers	5,725	2,943	1,681	1,265	1,500

Source: U.S. Bureau of the Census, U.S. Census of Population: 1960, General Social and Economic Characteristics, Hawaii, Final Report PC(1)-13C (February 1962), table 56; 1970 Census of Population, General Social and Economic Characteristics, Hawaii, PC(1)-C13 (December 1971), table 56; 1980 Census of Population, General Social and Economic Characteristics, Hawaii, PC80-1-C13 (June 1983), table 67.

Table 376.-- OCCUPATION, BY SEX: 1980 AND 1970

Occupation	Both sexes		Females only	
	1980	1970	1980	1970
Employed persons 16 years and over ...	415,181	285,556	189,850	116,616
Managerial and professional specialty occupations	97,606	58,242	42,212	22,565
Executive, administrative, and managerial occupations	48,671	25,048	16,900	6,129
Professional specialty occupations	48,935	33,194	25,312	16,436
Technical, sales, and administrative support occupations	132,651	83,698	89,078	53,113
Technicians and related support occupation	11,982	7,442	4,501	2,027
Sales occupations	47,475	28,227	27,465	15,571
Administrative support occupations, including clerical	73,194	48,029	57,112	35,515
Service occupations	74,149	44,024	41,691	26,766
Private household occupations	1,547	2,131	1,376	2,024
Protective service occupations	7,578	4,304	855	143
Service occupations, except protective and household	65,024	37,589	39,460	24,599
Farming, forestry, and fishing occupations	14,154	12,572	2,785	2,118
Precision production, craft, and repair occupations	48,198	43,484	3,941	2,731
Operators, fabricators, and laborers	48,423	43,536	10,143	9,323
Machine operators, assemblers, and inspectors	14,000	13,589	5,730	5,743
Transportation and material moving occupations	16,430	13,767	1,132	472
Handlers, equipment cleaners, helpers, and laborers	17,993	16,180	3,281	3,108

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

Table 377.-- CLASS OF WORKER AND INDUSTRY, BY COUNTIES: 1980

Subject	The State	Counties				
		Hawaii	Honolulu	Kala-wao	Kauai	Maui
CLASS OF WORKER						
Employed persons 16 years and over	415,181	38,150	324,113	82	18,223	34,613
Private wage and salary workers .	300,315	27,226	231,719	24	13,885	27,461
Federal Government workers	32,244	909	30,207	3	508	617
State Government workers	43,814	4,945	34,268	48	1,715	2,838
Local Government workers	14,343	1,481	10,583	-	1,002	1,277
Self-employed workers	22,965	3,310	16,312	7	1,035	2,301
Unpaid family workers	1,500	279	1,024	-	78	119
INDUSTRY						
Employed persons 16 years and over	415,181	38,150	324,113	82	18,223	34,613
Agriculture, forestry, fisheries, and mining	14,793	4,272	5,662	1	1,762	3,096
Construction	29,888	3,477	21,423	-	1,621	3,367
Manufacturing	32,914	3,177	24,982	8	1,548	3,199
Nondurable goods	21,234	2,539	14,713	3	1,354	2,625
Durable goods	11,680	638	10,269	5	194	574
Transportation	25,392	1,524	21,174	2	1,015	1,677
Communications and other public utilities	11,086	812	8,771	-	668	835
Wholesale trade	16,089	1,477	13,286	7	462	857
Retail trade	82,453	6,683	66,358	4	3,089	6,319
Finance, insurance, and real estate	31,648	2,174	26,145	-	1,074	2,255
Business and repair services	17,832	1,251	14,726	-	527	1,328
Personal, entertainment, and recreation services	38,150	4,154	26,252	7	2,317	5,420
Professional and related services	73,363	6,378	59,927	6	2,713	4,339
Health services	22,390	1,700	18,429	4	873	1,384
Educational services	31,989	3,090	26,113	-	1,099	1,687
Other professional and related services	18,984	1,588	15,385	2	741	1,268
Public administration	41,573	2,771	35,407	47	1,427	1,921

Source: U.S. Bureau of the Census, 1980 Census of Population, General Social and Economic Characteristics, Hawaii, PC80-1-C13 (June 1983), tables 67, 69, 176, and 178.

Table 378.-- OCCUPATION, BY COUNTIES: 1980

Occupation	The State	Counties				
		Hawaii	Honolulu	Kala-wao	Kauai	Maui
Employed persons 16 years and over	415,181	38,150	324,113	82	18,223	34,613
Managerial and professional specialty occupations	97,606	7,648	79,934	15	3,499	6,510
Executive, administrative, and managerial occupations	48,671	3,518	39,971	7	1,545	3,630
Professional specialty occupations	48,935	4,130	39,963	8	1,954	2,880
Technical, sales, and administrative support occupations	132,651	9,956	109,521	15	4,554	8,605
Technicians and related support occupations	11,982	864	9,915	-	614	589
Sales occupations	47,475	3,996	38,367	1	1,683	3,428
Administrative support occupations, including clerical ...	73,194	5,096	61,239	14	2,257	4,588
Service occupations	74,149	6,283	56,939	17	3,742	7,168
Private household occupations .	1,547	134	1,116	-	135	162
Protective service occupations	7,578	609	6,010	2	388	569
Service occupations, except protective and household	65,024	5,540	49,813	15	3,219	6,437
Farming, forestry, and fishing occupations	14,154	3,927	5,838	8	1,509	2,872
Precision production, craft, and repair occupations	48,198	4,848	36,546	20	2,345	4,439
Operators, fabricators, and laborers	48,423	5,488	35,335	7	2,574	5,019
Machine operators, assemblers, and inspectors	14,000	1,308	10,887	5	518	1,282
Transportation and material moving occupations	16,430	2,123	11,274	-	1,054	1,979
Handlers, equipment cleaners, helpers, and laborers	17,993	2,057	13,174	2	1,002	1,758

Source: U.S. Bureau of the Census, 1980 Census of Population, General Social and Economic Characteristics, Hawaii, PC80-1-C13 (June 1983), tables 68 and 177.

Table 379.-- OCCUPATION OF EMPLOYED CIVILIANS, BY SEX:
ANNUAL AVERAGES, 1986

Occupation	Both sexes	Men	Women
All occupations (number in thousands)	465	247	217
Percent	100.0	100.0	100.0
Managerial and professional specialty:			
Executive, administrative, and managerial	12.1	13.5	10.5
Professional specialty	12.9	11.3	14.6
Technical, sales, and administrative support:			
Technicians and related support	3.2	3.4	3.0
Sales	12.7	11.3	14.4
Administrative support, including clerical	17.1	6.7	28.9
Service occupations	17.9	15.2	21.1
Precision production, craft, and repair	9.8	17.1	1.5
Operators, fabricators, and laborers:			
Machine operators, assemblers, and inspectors ..	2.8	3.3	2.3
Transportation and material moving	3.5	6.1	.6
Handlers, equipment cleaners, helpers, and laborers	4.0	6.2	1.5
Farming, forestry, and fishing	3.9	5.7	1.8

Source: U.S. Bureau of Labor Statistics, Geographic Profile of Employment and Unemployment, 1986 (Bull. 2279, May 1987), pp. 58-59.

Table 380.-- PLACE OF RESIDENCE AND PLACE OF WORK OF EMPLOYED PERSON 16 YEARS AND OVER FOR THE CITY AND COUNTY OF HONOLULU, BY CENSUS TRACTS: 1980

[Residence and labor force status as of April 1; place of work as of preceding week. Includes armed forces. For census tract maps, see pp. 24-25]

Census tract	Workers by place of --		Census tract	Workers by place of --	
	Residence	Work <u>1</u> /		Residence	Work <u>1</u> /
County total	369,523	356,692	Honolulu, con.:		
Honolulu CDP	183,677	246,969	26	2,663	3,635
1.02	962	250	27.01	2,707	6,633
1.03	5,482	532	27.02	3,110	1,507
1.04	3,515	110	28	2,127	95
1.05	2,860	1,117	29	904	667
2	2,579	455	30	2,468	294
3	2,841	561	31.01	2,205	145
4.01	1,391	174	31.02	1,905	225
4.02	2,077	201	32	655	100
5	2,320	3,594	33	541	235
6	945	750	34.03	3,170	189
7	1,829	439	34.04	2,819	413
8	2,175	911	34.05	1,964	235
9.01	1,423	418	34.06	3,255	261
9.02	2,087	218	34.07	453	192
9.03	1,469	557	35	2,583	7,698
10	1,792	128	36.01	2,334	7,227
11	1,552	256	36.02	1,578	2,858
12.01	1,575	1,152	37	1,326	18,578
12.02	1,828	59	38	263	13,499
13	2,300	1,735	38.99	-	279
14	1,428	146	39	54	12,918
15	1,986	422	39.99	90	-
16	2,298	577	40	548	28,465
17	1,263	1,644	41	2,559	8,411
18.01	571	4,570	42	1,709	1,391
18.02	1,725	1,009	43	2,616	883
19.01	571	11,832	44	2,492	153
19.02	3,014	2,596	45	2,800	583
20.01	1,318	8,457	46	2,032	777
20.02	1,895	1,547	47	2,525	1,271
21	2,057	2,220	48	2,705	1,134
22	4,004	586	49	1,459	595
23	3,123	638	50	1,855	2,402
24.01	1,517	64	51	578	845
24.02	1,737	730	52	358	2,777
25	2,145	1,416	53	1,877	890
			54	389	55

Continued on next page.

Table 380.-- PLACE OF RESIDENCE AND PLACE OF WORK OF EMPLOYED PERSON 16 YEARS AND OVER FOR THE CITY AND COUNTY OF HONOLULU, BY CENSUS TRACTS: 1980 -- Con.

Census tract	Workers by place of --		Census tract	Workers by place of --	
	Residence	Work <u>1/</u>		Residence	Work <u>1/</u>
Honolulu, con.:			Rest of Oahu, con.:		
55	821	509	80.01	648	424
56	2,527	1,399	80.02	1,507	1,000
57	748	9,295	80.03	1,321	251
57.99	540	12	80.05	3,433	146
58	1,349	2,354	80.06	3,002	226
59	1,414	6,348	80.07	3,168	251
59.99 .....	...	28	81	1,179	2,603
60	2,391	3,534	81.99	-	-
61	1,408	203	82	-	-
62.01	1,990	336	83	4,400	619
62.02	494	221	84	3,020	1,686
63.01	1,502	290	85	1,608	3,865
63.02	711	141	86.01	4,008	260
64.01	910	-	86.02	1,749	3,185
64.02	2,282	177	86.99 .....	...	-
65	1,665	78	87.01	3,120	383
66	1,177	3,032	87.02	1,573	1,324
67.01	3,933	4,104	87.03	1,207	1,880
67.02	1,075	135	88	2,103	932
68.01	10,152	302	89.01	3,314	1,361
68.02	2,154	72	89.02	12,709	2,472
68.03	-	6,990	89.03	3,226	947
69	1,280	100	90	1,174	9
70	1,771	163	91	1,476	223
71	939	11,805	92	3,412	1,682
72	1,071	14,656	93	1,702	11,323
114 .....	...	-	94	2,320	(NA)
			95.01	1,044	229
Rest of Oahu	185,846	109,723	95.02	1,828	349
73	2,632	1,707	95.03	6,120	7,125
73.99	-	-	95.04	330	(NA)
74	2,098	9,538	95.05	1,069	(NA)
74.99	7,614	30	96.01	1,550	
75.01	3,164	110	96.03	1,578	1,222
75.02	323	66	96.04	1,179	
75.03	2,695	191	97	3,415	3,105
76	493	193	98	1,889	
77.01	2,142	1,018	99.01	2,396	864
77.02	2,470	159	99.02	942	
78.01	6,730	(NA)	100	1,067	1,167
78.02	6,567	5,217	101	1,912	(NA)

Continued on next page.

Table 380.-- PLACE OF RESIDENCE AND PLACE OF WORK OF EMPLOYED PERSON 16 YEARS AND OVER FOR THE CITY AND COUNTY OF HONOLULU, BY CENSUS TRACTS: 1980 -- Con.

Census tract	Workers by place of --		Census tract	Workers by place of --	
	Residence	Work <u>1/</u>		Residence	Work <u>1/</u>
Rest of Oahu, con.:			Rest of Oahu, con.:		
102.01	1,526	(NA)	108.99	34	-
102.02	2,273	2,214	109.01	1,571	424
103.02	1,637	43	109.03	1,763	660
103.03	1,402	(NA)	109.04	1,636	390
103.04	4,678	(NA)	109.05	1,111	1,321
105.01	4,122	1,151	110	1,952	513
105.03	874	451	111.01	3,874	2,112
105.04	1,997	417	111.03	1,774	108
106.01	1,330	204	111.04	2,550	479
106.02	2,405	726	112.01	2,262	597
107.01	1,761	302	112.02	802	388
107.02	1,758	216	113	3,545	1,121
108	7,571	7,714	Unknown <u>2/</u>	-	19,769

NA Not available.

1/ Tract data exclude residents who worked away from the City and County of Honolulu and nonresidents who worked within the area. Totals and subtotals (but not tract data) include imputed values for persons not reporting exact tract locations.

2/ Included in subtotals (see preceding footnote).

Source: U.S. Bureau of the Census, 1980 Census of Population and Housing, Census Tracts, Honolulu SMSA, PHC80-2-183 (1983), table P-9, and Urban Transportation Planning Package, printouts (March 1985).

Table 381.-- EMPLOYMENT AND PAYROLLS COVERED BY THE HAWAII EMPLOYMENT SECURITY LAW AND UNEMPLOYMENT COMPENSATION FOR FEDERAL EMPLOYEES: 1976 TO 1986

Year	Number of employers, December <u>1</u> / ^{1/}	Average employment	Wages and salaries	
			Total (\$1,000)	Per worker (dollars)
INCLUDING GOVERNMENT				
1976	17,130	356,217	3,685,818	10,347
1977	17,831	366,555	3,996,746	10,903
1978	18,847	383,451	4,459,594	11,630
1979	19,639	400,963	4,983,844	12,429
1980	19,988	412,281	5,585,489	13,548
1981	20,190	414,830	6,002,943	14,471
1982	20,259	408,791	6,281,953	15,367
1983	20,937	413,767	6,668,001	16,115
1984	21,288	421,821	7,050,512	16,714
1985	21,945	434,400	7,530,505	17,335
1986	24,510	446,756	8,072,318	18,069
EXCLUDING GOVERNMENT				
1981	20,184	325,897	4,423,850	13,574
1982	20,253	320,885	4,563,866	14,223
1983	20,931	325,650	4,848,497	14,889
1984	21,282	332,227	5,150,338	15,502
1985	21,939	343,400	5,518,268	16,070
1986	24,498	355,192	5,997,767	16,886
PRIVATE NON-AGRICULTURAL				
1981	19,799	314,016	4,261,467	13,571
1982	19,876	309,531	4,412,058	14,254
1983	20,515	314,142	4,679,895	14,897
1984	20,856	320,902	4,973,005	15,497
1985	21,510	332,092	5,344,772	16,094
1986	23,992	343,555	5,817,270	16,933

^{1/} Beginning in 1986, includes employers reporting 1 or more employees at any time during the year, even if they reported no employees for December.

Source: Hawaii State Department of Labor and Industrial Relations, Employment and Payrolls in Hawaii (annual) and records.

Table 382.-- EMPLOYMENT AND PAYROLLS COVERED BY THE HAWAII EMPLOYMENT SECURITY LAW AND UNEMPLOYMENT COMPENSATION FOR FEDERAL EMPLOYEES, BY COUNTIES: 1986

County or island	Number of employers, Dec.	Average employment	Total wages (\$1,000)	Average annual wage (dollars)
INCLUDING GOVERNMENT				
State total	24,510	446,756	8,072,318	18,069
City and Co. of Honolulu .	18,387	351,481	6,553,767	18,646
Hawaii County	2,574	36,081	566,272	15,694
Kauai County	1,157	19,909	322,720	16,210
Maui County	2,392	39,285	629,559	16,025
EXCLUDING GOVERNMENT				
State total	24,498	355,192	5,997,767	16,886
City and Co. of Honolulu .	18,384	274,753	4,794,295	17,449
Hawaii County	2,571	28,910	415,289	14,365
Kauai County	1,154	17,063	261,187	15,307
Maui County	2,389	34,465	526,997	15,291

Source: Hawaii State Department of Labor and Industrial Relations, 1986 Employment and Payrolls in Hawaii (September 1987).

Table 383.-- EMPLOYMENT AND PAYROLLS COVERED BY THE HAWAII EMPLOYMENT SECURITY LAW AND UNEMPLOYMENT COMPENSATION FOR FEDERAL EMPLOYEES, BY INDUSTRY: 1986

Industry	Number of employers, Dec.	Average employment	Total wages (\$1,000)	Average annual wage (dollars)
All industries	24,510	446,756	8,072,318	18,069
Government	6	91,564	2,074,551	22,657
Federal	1	33,790	893,991	26,457
State	1	44,587	893,149	20,032
County	4	13,187	287,411	21,795
Private	24,498	355,192	5,997,767	16,886
Agriculture, forestry, fisheries ...	506	11,637	180,497	15,511
Sugar	14	4,052	72,460	17,882
Pineapple	5	2,163	37,225	17,210
Other	487	5,422	70,812	13,060
Mining and contract construction ...	2,083	18,792	533,647	28,398
Manufacturing	978	21,894	414,195	18,918
Sugar mills	12	2,898	60,070	20,728
Pineapple canning	2	2,129	34,412	16,164
Other food processing	216	4,852	83,218	17,151
Other manufacturing	748	12,015	236,495	19,683
Transportation	1,050	24,540	499,577	20,358
Communications	102	7,094	210,836	29,720
Utilities	46	2,595	94,202	36,301
Wholesale trade	2,121	19,572	405,949	20,741
Retail trade	5,357	98,346	1,067,620	10,856
Eating and drinking places	1,800	41,587	323,550	7,780
Other retail trade	3,557	56,759	744,069	13,109
Finance, insurance, real estate	3,224	33,672	662,358	19,671
Services	8,849	116,732	1,923,843	16,481
Hotels, rooming houses, etc.	192	29,300	424,684	14,494
Medical and other health services	1,910	22,510	514,727	22,867
Other services	6,747	64,922	984,432	15,163
Nonclassifiable establishments	182	318	5,043	15,859

Source: Hawaii State Department of Labor and Industrial Relations, 1986 Employment and Payrolls in Hawaii (September 1987), pp. 2-3.

Table 384.-- AVERAGE ANNUAL WAGE FOR EMPLOYEES COVERED BY THE HAWAII EMPLOYMENT SECURITY LAW AND UNEMPLOYMENT COMPENSATION FOR FEDERAL EMPLOYEES, IN CURRENT AND CONSTANT DOLLARS, BY CLASS OF WORKER: 1976 AND 1986

Class of worker	1976: current dollars	1986		Percent change, 1976-1986	
		Current dollars	1976 dollars <u>1/</u>	Current dollars	1976 dollars <u>1/</u>
All classes ..	10,347	18,069	9,767	74.6	-5.6
Federal	15,405	26,457	14,301	71.7	-7.2
State <u>2/</u>	11,351	20,032	10,828	76.5	-4.6
County	11,380	21,795	11,781	91.5	+3.5
Private	9,586	16,886	9,128	76.2	-4.8

1/ Deflated by the all-items consumer price index (CPI-U) for Honolulu. The all-items index increased 85.0 percent during this period.

2/ Average for 1976 is understated because of erroneous inclusion of uncovered student workers, omitted in 1986 data.

Source: Hawaii State Department of Labor and Industrial Relations, Employment and Payrolls in Hawaii (annual).

Table 385.-- NONGOVERNMENTAL REPORTING UNITS AND EMPLOYMENT, BY SIZE OF FIRM: DECEMBER 1986

Subject	All units	Employment-size class					
		1 to 4	5 to 9	10 to 19	20 to 49	50 to 99	100 or more
Reporting units ..	24,498	14,004	4,487	2,884	1,857	683	583
Employment	367,009	23,090	29,556	38,958	55,888	46,587	172,930

Source: Hawaii State Department of Labor and Industrial Relations, 1986 Employment and Payrolls in Hawaii (September 1987), p. 16.

Table 386.-- ANNUAL WAGES PER EMPLOYEE, TOTAL AND PRIVATE:
1975 TO 1985

Year	Annual wages per employee (dollars)		Hawaii as percent of U.S.		Rank <u>1/</u>	
	Total	Private only	Total	Private only	Total	Private only
1975	9,751	9,110	97.5	92.7	20	27
1976	10,309	9,586	96.2	91.0	24	29
1977	10,873	10,029	95.1	89.1	26	33
1978	11,607	10,809	95.8	89.7	29	33
1979	12,335	11,700	94.1	89.4	27	34
1980	13,491	12,695	94.2	88.6	27	37
1981	14,411	13,567	92.2	86.9	32	41
1982	15,353	14,202	92.0	85.5	31	42
1983	16,108	14,898	92.1	85.8	30	40
1984	16,701	15,456	91.0	85.0	31	41
1985	17,329	16,064	90.3	84.7	31	40

1/ Among 50 States and D.C.

Source: U.S. Bureau of Labor Statistics, Employment and Wages, Annual Averages (annual report). Percentages and rankings by the Hawaii State Department of Business and Economic Development.

Table 387.--MINIMUM WAGE CHRONOLOGY: 1942 TO 1988

[Dollars per hour. As of July 1, unless otherwise specified]

Effective date	Oahu	Other islands	Effective date	State	Effective date	State
1942 <u>1/</u> ..	0.25	0.20	1958	1.00	1975	2.40
1943	0.30	0.25	1962	1.15	1978	2.65
1945	0.40	0.40	1964 <u>2/</u> ..	1.25	1979	2.90
1953	0.65	0.55	1969	1.40	1980	3.10
1955	0.75	0.65	1970	1.60	1981	3.35
1957	0.90	0.85	1974	2.00	1988 <u>2/</u> ..	3.85

1/ At inception of minimum wage law, April 1, 1942.

2/ January 1.

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

Table 388.-- HOURS AND EARNINGS IN SPECIFIED INDUSTRIES: ANNUAL AVERAGES,
1981 TO 1986

Subject	1981	1982	1983	1984	1985	1986
Average weekly earnings (dollars)						
Contract construction	475.31	519.10	587.76	607.37	627.32	642.80
Manufacturing	289.90	301.68	317.68	318.14	323.51	344.65
Food and kindred products ..	274.31	281.86	291.65	292.98	303.32	321.40
Communication and utilities ..	433.70	486.41	486.22	512.09	542.15	582.15
Trade 1/	198.99	214.14	225.12	225.72	228.72	231.62
Wholesale trade	275.88	290.67	302.13	309.75	311.04	326.10
Retail trade 1/	174.27	189.95	199.69	198.13	200.95	200.26
Banking & credit agencies	212.64	222.49	237.73	237.78	267.80	291.78
Hotels	193.64	208.98	222.95	234.57	243.42	259.38
Average weekly hours						
Contract construction	36.2	35.8	37.2	36.9	36.6	36.9
Manufacturing	38.5	37.9	38.6	38.1	37.4	38.9
Food and kindred products ..	39.3	38.4	39.2	38.0	36.9	39.1
Communication and utilities ..	43.5	43.9	41.7	41.0	41.8	42.4
Trade 1/	33.0	33.2	33.4	33.0	33.1	32.9
Wholesale trade	38.0	37.7	38.1	38.1	38.4	38.5
Retail trade 1/	31.4	31.8	31.9	31.3	31.3	31.0
Banking & credit agencies ....	...	...	...	38.6	38.7	38.8
Hotels	32.6	32.5	32.5	33.8	33.3	34.4
Average hourly earnings (dollars)						
Contract construction	13.13	14.50	15.80	16.46	17.14	17.42
Manufacturing	7.53	7.96	8.23	8.35	8.65	8.86
Food and kindred products ..	6.98	7.34	7.44	7.71	8.22	8.22
Communication and utilities ..	9.97	11.08	11.66	12.49	12.97	13.73
Trade 1/	6.03	6.45	6.74	6.84	6.91	7.04
Wholesale trade	7.26	7.71	7.93	8.13	8.10	8.47
Retail trade 1/	5.55	5.97	6.26	6.33	6.42	6.46
Banking & credit agencies ....	...	...	...	6.16	6.92	7.52
Hotels	5.94	6.43	6.86	6.94	7.31	7.54

1/ Excludes eating and drinking establishments.

Source: Hawaii State Department of Labor and Industrial Relations,
Labor Force Data Book (March 1978), as revised April 1987.

Table 389.-- AVERAGE PAY RATES FOR SELECTED JOB CLASSIFICATIONS
IN PRIVATE INDUSTRY: 1982 TO 1987

Job classification	1982	1983	1984	1985	1986	1987
MONTHLY RATES						
Junior typist	903	975	1,013	1,036	1,084	1,103
Clerk-stenographer	1,194	1,250	1,296	1,384	1,485	1,583
Secretary	1,199	1,256	1,341	1,407	1,461	1,516
Data entry operator	1,004	1,072	1,134	1,139	1,194	1,218
Bookkeeper, full-charge	1,453	1,580	1,647	1,707	1,794	1,865
Engineering drafting technician	1,648	1,804	1,898	1,952	1,891	2,049
Hospital attendant	939	1,018	1,057	1,101	1,135	1,171
Staff nurse	1,669	1,875	1,978	2,081	2,159	2,287
HOURLY RATES						
Housekeeper	5.193	5.580	5.806	6.078	6.412	6.714
Cook, general	7.505	8.048	8.308	8.626	8.950	8.747
Waiter/waitress	3.377	3.483	3.586	3.676	3.846	3.866
Laborer (light)	6.360	6.506	6.688	6.959	7.187	7.399
Carpenter (maintenance)	9.075	9.362	9.769	10.139	10.405	10.768
Electrician (maintenance) ...	10.327	10.745	11.243	11.529	12.191	12.486
Automotive mechanic	9.543	9.697	10.152	10.191	10.753	11.154
Truck driver (1.5-5 tons) ...	7.708	8.288	8.576	8.853	8.734	9.783

Source: Hawaii Employers Council, Pay Rates in Hawaii (annual).

Table 390.-- AVERAGE PAY RATES FOR SELECTED JOB CLASSIFICATIONS IN PRIVATE INDUSTRY, BY COUNTIES OR ISLANDS: 1987

[In dollars]

Job classification and year	State average	Kauai	Oahu	Maui County	Hawaii County
MONTHLY RATES					
Junior typist	1,103	...	1,106	...	...
Clerk-stenographer	1,583	...	1,561	...	...
Secretary	1,516	1,488	1,512	1,651	1,448
Data entry operator	1,218	1,321	1,213	...	1,272
Bookkeeper, full-charge	1,865	...	1,830	...	...
Engineering drafting technician	2,049	...	2,080	...	2,044
Hospital attendant	1,171	1,161	1,174	1,152	...
Staff nurse	2,287	2,263	2,289	2,201	...
HOURLY RATES					
Housekeeper	6.714	6.722	6.723	6.643	6.710
Cook, general	8.747	9.289	8.559	8.974	9.953
Waiter/waitress	3.866	4.161	3.808	3.991	4.237
Laborer (light)	7.399	7.373	7.496	7.434	6.182
Carpenter (maintenance)	10.768	10.379	11.202	10.532	9.805
Electrician (maintenance) ..	12.486	11.030	13.311	11.085	13.021
Automotive mechanic	11.154	10.149	12.204	10.580	10.415
Truck driver (1.5-5 tons) ..	9.783	...	10.477	8.609	7.705

Source: Hawaii Employers Council, Pay Rates in Hawaii (Special Publication No. 175, September 1987).

Table 391.-- ANNUAL BASE SALARIES FOR SELECTED EXECUTIVE POSITIONS
IN HOTELS AND RESORT CONDOMINIUMS: 1986

[\$1,000]

Position	Hotels			Resort condominiums		
	Low	Median	High	Low	Median	High
General manager	20	54	100	18	34	76
Food and beverage manager .	18	34	62	...	...	...
Executive chef	20	34	54	...	...	...
Front office manager	16	22	36	12	19	30
Reservations manager	16	22	48	16	19	24
Executive housekeeper	14	22	56	16	21	45
Controller	20	33	68	...	...	...
Chief engineer	16	36	54	16	22	40

Source: Pannell Kerr Forster, 1986 Hawaii Hotel and Resort Condominium Executive Compensation Survey Report (January 1987).

Table 392.-- MEDIAN AND MEAN ANNUAL EARNINGS IN 1979, BY SEX AND
LABOR FORCE STATUS: 1980

[Dollars]

Labor force status	Median earnings		Mean earnings	
	Males	Females	Males	Females
Persons 15 years and over	11,905	7,234	14,650	8,117
Worked in 1979	11,963	7,264	14,672	8,141
50 to 52 weeks	14,510	9,693	17,187	10,640
Usually worked 35 or more hours per week	15,208	10,535	17,843	11,594

Source: U.S. Bureau of the Census, 1980 Census of Population, Detailed Population Characteristics, Hawaii, PC80-1-D13 (October 1983), table 236.

Table 393.-- INTERSTATE MOVEMENT OF JOB-SEEKERS: 1976 TO 1986

Calendar year	Island workers on the Mainland <u>1/</u>		Mainland workers in Hawaii <u>2/</u>		Ratio <u>3/</u>
	Total <u>4/</u>	Regular only	Total <u>4/</u>	Regular only	
1976	9,934	7,458	8,994	8,334	112
1977	7,090	5,846	8,846	8,154	139
1978	4,495	4,313	6,533	6,261	145
1979 <u>5/</u>	4,272	4,272	5,285	5,250	123
1980	5,633	5,211	5,196	4,956	95
1981	5,619	5,485	4,552	4,396	80
1982	5,372	5,372	5,259	4,848	90
1983	4,414	4,414	4,891	4,659	106
1984 <u>6/</u>	4,123	4,123	4,237	4,219	102
1985	4,039	4,039	4,034	3,993	99
1986	3,664	3,664	4,000	3,932	107

1/ Interstate liable initial claims (UI and Supp.), excluding UCFE and Supp. and UCX. Covers Hawaii workers seeking work and filing for benefits on the Mainland. Since July 1980, data have included Federal civilian employees and ex-servicemen.

2/ Interstate agent initial claims (UI and Supp.), excluding UCFE and Supp. and UCX. Covers Mainland workers filing claims for unemployment insurance and registered for work with the Hawaii State Employment Service.

3/ Interstate agent initial claims (regular only) as a percent of inter-state liable initial claims (regular only). Ratios under 100 suggest a net out-migration of workers.

4/ Regular and extended claims.

5/ The method of counting liable and agent initial claims was revised effective October 1979. Data for 1979 and later years are accordingly not directly comparable with figures for earlier years.

6/ Revised from Data Book 1986, table 378.

Source: Hawaii State Department of Labor and Industrial Relations, Unemployment Insurance Fact Book (annual), and records.

Table 394.-- WORK DISABILITY STATUS OF CIVILIANS 18 TO 64 YEARS OLD, BY
SELECTED CHARACTERISTICS AND SEX: 1980

[Noninstitutional population only]

Characteristic	With no work disability		With a work disability			
	Male	Female	Not prevented from working		Prevented from working	
			Male	Female	Male	Female
Total	240,362	276,721	11,422	8,167	7,796	8,460
Age:						
18 to 34 years old .	119,684	141,698	4,316	3,058	1,739	1,677
35 to 54 years old .	84,246	97,609	4,554	3,165	2,523	3,165
55 to 64 years old .	36,432	37,414	2,552	1,944	3,534	3,618
High school graduates	196,201	224,021	8,404	5,770	3,967	4,099
Labor force status:						
Civilian labor force	213,904	186,044	9,764	5,091	-	-
Employed	205,090	177,834	8,588	4,635	-	-
Unemployed	8,814	8,210	1,176	456	-	-
Not in labor force .	26,458	90,677	1,658	3,076	7,796	8,460
Income in 1979:						
With income	230,470	221,878	10,915	6,637	7,036	5,711
Median income	\$14,541	\$7,571	\$10,927	\$5,394	\$5,813	\$3,391
Below poverty level ..	14,617	24,682	1,407	1,233	1,700	2,119

Source: U.S. Bureau of the Census, 1980 Census of Population, Selected Characteristics of Persons With a Work Disability by State: 1980, PC80-S1-20 (November 1985), pp. 58-59.

Table 395.-- RECORDABLE OCCUPATIONAL INJURIES AND ILLNESSES OF
 NONGOVERNMENTAL WORKERS: 1984 AND 1985

[Data exclude agricultural employers with fewer than 11 employees]

Subject	1984: total	1985		
		Total	Injuries	Illnesses
Recordable cases	25,999	26,026	25,546	480
Lost workday cases	14,058	13,801	13,570	231
Lost workdays	220,294	202,260	197,210	5,050
Per lost workday case	16	15	15	22
Nonfatal cases without lost workdays.	11,930	12,205	11,960	245
Number of recordable cases:				
Agriculture	1,588	1,740	1,701	39
Mining	11	15	15	-
Construction	2,703	3,177	3,161	16
Manufacturing	2,711	2,550	2,525	25
Transportation, public utilities ..	2,907	2,923	2,868	55
Wholesale and retail trade	7,391	7,689	7,586	103
Finance, insurance, real estate ...	1,197	921	908	13
Services	7,491	7,011	6,782	229
Incidence per 100 full-time workers .				
Agriculture	10.0	9.6	9.5	0.2
Mining	18.3	21.0	20.5	0.5
Construction	3.6	4.1	4.1	-
Manufacturing	21.5	22.7	22.6	0.1
Transportation, public utilities ..	13.5	13.0	12.9	0.1
Wholesale and retail trade	11.1	10.6	10.4	0.2
Finance, insurance, real estate ...	9.0	8.9	8.8	0.1
Services	4.3	3.4	3.4	(Z)
	9.1	8.0	7.8	0.3

Z Less than 0.05.

Source: Hawaii State Department of Labor and Industrial Relations, 1985 Occupational Injuries and Illnesses Survey, State of Hawaii, p. 5.

Table 396.-- WORK INJURIES, DEATHS, TIME LOST, AND
COMPENSATION COSTS: 1981 TO 1986

Year	Accidents	Deaths	Time lost (compensated days)	Compensation costs (\$1,000)
1981 ...	44,320	36	894,058	66,950
1982 ...	40,521	47	1,057,504	90,778
1983 ...	39,013	48	1,141,746	103,338
1984 ...	38,755	35	1,307,011	122,454
1985 ...	37,940	49	1,262,513	136,837
1986 ...	39,390	47	1,067,462	127,367

Source: Hawaii State Department of Labor and
Industrial Relations, Work Injury Statistics (annual).

Table 397.-- LABOR UNIONS AND EMPLOYEE ASSOCIATIONS: 1985

Subject	Total	AFL-CIO affiliated	Independent
Unions and associations ...	82	56	26
Membership <u>1/</u>	157,000	104,000	53,000

1/ Data exclude 12 unions and associations not reporting
membership.

Source: Hawaii State Department of Labor and Industrial
Relations, Labor Organizations & Affiliates, 1986 (December
1985).

Table 398.-- UNION MEMBERSHIP: 1975 TO 1982

[Data represent annual average, dues-paying full-time equivalent membership derived from financial records. Excludes unemployed members]

Subject	1975	1980	1982
Union membership (in thousands)	117	129	126
Percent of nonagricultural employment ...	34.3	31.8	31.5

Source: Industrial Relations Data and Information Services, cited in Statistical Abstract of the United States: 1987, p. 408.

Table 399.-- COLLECTIVE BARGAINING AGREEMENTS: 1982 TO 1987

[Covers collective bargaining agreements subject to wage negotiations]

Year	Number of agreements	Workers covered		Duration over 2 years (percent)	
		Total	Per agreement	Agreements	Workers
1982	379	27,400	72	84.4	65.9
1983	1,019	68,000	67	90.3	20.4
1984	901	26,200	29	93.7	76.7
1985	350	58,450	167	74.3	11.7
1986	138	13,550	98	60.2	44.1
1987 <u>1/</u> ..	1,375	80,400	58	96.4	42.9

1/ Scheduled.

Source: Helene S. Tanimoto, Duration of Collective Bargaining Agreements in Hawaii, 1987 (University of Hawaii at Manoa, Industrial Relations Center, Occasional Publication No. 157, January 1987).

Table 400.-- STATE AND COUNTY EMPLOYEES IN COLLECTIVE BARGAINING UNITS:
1984 TO 1986

[As of December 31]

Jurisdiction or unit	1984	1985	1986
Total	42,171	42,525	42,907
Employing jurisdiction:			
State of Hawaii	18,597	18,820	18,952
City and County of Honolulu	7,471	7,366	7,418
County of Hawaii	1,319	1,338	1,346
County of Maui	994	988	1,028
County of Kauai	682	674	674
Dept. of Education	9,582	9,738	9,787
University of Hawaii	3,526	3,601	3,702
Bargaining unit:			
1 Nonsupervisory blue collar	7,683	7,681	7,703
2 Supervisory blue collar	764	745	745
3 Nonsupervisory white collar	9,500	9,395	9,529
4 Supervisory white collar	521	506	505
5 Teachers, Dept. of Education	9,044	9,185	9,221
6 Educational officers, DOE	538	553	566
7 University faculty	2,719	2,768	2,818
8 University personnel, exc. faculty .	807	833	884
9 Registered nurses	777	739	732
10 Nonprofessional hospital workers ...	1,956	1,997	1,965
11 Firefighters	1,509	1,505	1,521
12 Police officers	2,143	2,123	2,153
13 Professional and scientific	4,210	4,495	4,565

Source: Hawaii Labor Relations Board (formerly Hawaii Public Employment Relations Board), HLRB Information Bulletin, No. 24, April 30, 1987, and earlier issues.

Table 401.-- WORK STOPPAGES: 1982 TO 1986

[Data exclude stoppages lasting less than one full shift (8 hours) and stoppages affecting fewer than 6 workers, and moreover are limited to stoppages begun or in progress during the week containing the 12th of each month during the year]

Year	Number of stoppages <u>1/</u>	Workers involved <u>1/</u>	Man-days lost <u>2/</u>
1982	7	911	14,480
1983	7	2,838	44,411
1984	6	2,063	123,486
1985 <u>3/</u>	9	1,990	32,257
1986	6	1,266	49,533

1/ Stoppages carrying over from previous year are counted in both years.

2/ Partly estimated.

3/ Revised from Data Book 1986, table 385.

Source: Hawaii State Department of Labor and Industrial Relations, Research and Statistics Office, records.

Table 402.-- WORK STOPPAGES INVOLVING 1,000 OR MORE WORKERS:
1982 TO 1986

Year	Number of stoppages begun in year	Workers involved <u>1/</u>	Man-days idle during year	Percent of estimated nonagricultural working time
1982	-	-	-	0
1983	1	2,800	5,600	0.01
1984	1	1,000	70,000	0.01
1985	1	1,000	11,000	0.01
1986	-	-	-	0

1/ Workers counted more than once if involved in more than one stoppage during year.

Source: U.S. Department of Labor, Bureau of Labor Statistics, records.