

## Section 10

# NATIONAL DEFENSE

This section presents statistics relating to the armed forces and their dependents, national guard strength, civilian employment in national defense, veterans, military housing, and expenditures by the armed forces.

There were approximately 59,000 officers and enlisted men (including 5,300 aboard ships homeported in Hawaii) and 66,000 military dependents in the Islands as of July 1, 1983. This number has been relatively stable in recent years, but at the height of World War II more than 400,000 uniformed personnel were present. The Navy alone accounts for one-third of the current total. More than 11,900 Hawaii residents were in the armed forces worldwide in 1982. The importance of national defense in Hawaii can be further measured by total expenditures (\$1.7 billion), military prime contract awards (\$526 million), civilian employment (20,400), veterans in civil life (100,000), military personnel receiving retired or retainer pay (10,700 men, receiving \$10.8 million monthly), military-connected pupils in public schools (19,000), military housing (19,000 units), and land owned by the armed forces (207,000 acres). Defense expenditures are second only to tourism as a source of income to Hawaii.

The Department of Planning and Economic Development has, since 1959, issued periodic reports on Military Personnel and Dependents in Hawaii. Other published sources include reports of the U.S. Bureau of the Census, the Administrator of Veterans Affairs, the U.S. Department of Defense, the Hawaii State Department of Labor and Industrial Relations, Department of Defense, and Department of Education, and the Hawaii State Census Statistical Areas Committee. Definitions used by these sources frequently differ to some degree, and care is accordingly necessary in comparing data issued by two or more agencies. In mid-1982, for example, the number of armed forces in Hawaii was reported as 53,915 by DOD, 54,879 by the Bureau of the Census, and 61,107 by the local commanding officers reporting to DPED. Historical Statistics of Hawaii, Section 26, includes series on the armed forces dating back to 1795. Section 12 of the Statistical Abstract of the United States: 1982-83 presents data on national defense and veterans affairs for other States and the entire nation.

Table 273.-- HAWAII RESIDENTS ON ACTIVE DUTY IN THE ARMED FORCES WORLDWIDE: 1981 TO 1983

[Based on home of record.]

Date	Number
1981: June 30 .....	11,927
1982: June 30 .....	11,926
1983: June 30 .....	11,641

Source: U.S. Department of Defense, Manpower Data Center, records.

Table 274.-- ARMED FORCES AND DEPENDENTS: 1981 TO 1983

[Includes Navy personnel in Hawaiian waters, regardless of home port, and excludes all Coast Guard personnel; for these reasons, data differ somewhat from those in the following table.]

Year	Active-duty military personnel in Hawaii, June 30			Dependents located in Hawaii, March 31 <u>1/</u>
	Total	Shore-based <u>2/</u>	Afloat <u>3/</u>	
1981 .....	52,619	44,315	8,304	52,628
1982 .....	53,915	45,796	8,119	53,967
1983 .....	(NA)	46,319	(NA)	52,160

NA Not available.

1/ Including dependents of Hawaii residents stationed out of the State, if those dependents remained in Hawaii.

2/ Including personnel afloat and mobile but temporarily shorebased.

3/ Navy personnel afloat, identified with nearest port.

Source: Department of Defense, Washington, Headquarters Services, Information Operations and Reports, Department of Defense Worldwide Manpower Distribution by Geographical Area, June 30, 1983, pp. 3 and 29, and records.

Table 275.-- MILITARY PERSONNEL, DEPENDENTS, AND FAMILIES: 1970 TO 1983

[Includes Navy and Coast Guard personnel afloat on a homeported basis. Data differ somewhat from similar series compiled by the Bureau of the Census and Department of Defense, reported elsewhere in this volume.]

Date	Personnel and dependents	Military personnel <sup>1/</sup>			Dependents in Hawaii	Military families
		Total	Ashore	Aboard ship		
1970: April 1 ..	117,943	56,085	41,362	14,723	61,858	20,558
July 1 ...	111,549	53,768	39,822	13,946	57,781	20,568
1971: July 1 ...	112,943	50,762	35,824	14,938	62,181	23,184
1972: July 1 ...	118,760	52,538	37,124	15,414	66,222	23,688
1973: July 1 ...	128,082	57,783	43,064	14,719	70,299	25,264
1974: July 1 ...	126,882	58,558	45,369	13,189	68,324	29,082
1975: July 1 ...	121,911	58,205	45,589	12,616	63,706	26,122
1976: July 1 ...	126,694	59,737	46,453	13,284	66,957	26,395
1977: July 1 ...	123,471	58,466	45,811	12,655	65,005	25,927
1978: July 1 ...	119,200	58,106	46,001	12,105	61,094	25,400
1979: July 1 ...	122,386	57,868	44,915	12,953	64,518	27,835
1980: April 1 ..	125,042	61,019	48,813	12,206	64,023	26,129
1981: July 1 ...	125,865	61,521	46,255	15,266	64,344	25,893
1982: July 1 ...	127,816	61,107	54,184	6,923	66,709	26,009
1983: July 1 ...	125,273	59,021	53,755	5,266	66,252	26,791

<sup>1/</sup> Ship crews living ashore are included with the ashore total. The number of crew members living ashore increased sharply between 1981 and 1982, primarily because of the increased housing allowance offered to Navy personnel after June 1, 1982.

Source follows next table.

Table 276.-- MILITARY PERSONNEL, DEPENDENTS, AND FAMILIES, BY SERVICE AND ISLAND: JULY 1, 1983

[See headnote to preceding table.]

Island and service	Military personnel				Dependents in Hawaii	Military families
	Ashore and afloat	Ashore		Aboard ship		
		In hsg. units	In barracks			
State total ..	59,021	35,910	17,845	5,266	66,252	26,791
By island:						
Oahu .....	58,617	35,652	17,699	5,266	65,874	26,613
Hawaii .....	209	154	55	-	176	71
Maui .....	26	19	7	-	24	11
Kauai .....	147	84	63	-	173	94
Molokai .....	1	1	-	-	5	2
Kure Atoll .....	21	-	21	-	-	-
By service:						
Air Force .....	5,725	4,472	1,253	-	9,386	4,128
Army .....	17,425	10,943	6,482	-	24,443	10,106
Coast Guard .....	1,076	661	132	283	1,015	440
Marine Corps ....	11,937	5,082	5,343	1,512	11,011	3,527
Navy .....	22,858	14,752	4,635	3,471	20,397	8,590

Source: Hawaii State Department of Planning and Economic Development, Military Personnel and Dependents in Hawaii, 1983 (Statistical Report 161, August 11, 1983).

Table 277.-- NATIONAL GUARD STRENGTH: JUNE 30, 1982

Category and island	Total	Air National Guard	Army National Guard
Authorized strength, Statewide .....	6,238	2,037	4,201
Assigned strength, Statewide .....	5,720	2,022	3,698
Hawaii .....	809	179	630
Maui .....	374	126	248
Molokai .....	42	-	42
Oahu .....	4,006	1,449	2,557
Kauai .....	489	268	221

Source: Hawaii State Department of Defense, Annual Report, Fiscal Year 1982, pp. 6 and 10, and records.

Table 278.-- HOUSING UNITS OWNED BY THE ARMED FORCES:  
1980 TO 1983

[As of April 1.]

Year	All services	Air Force	Army	Coast Guard	Navy and Marines
1980 .....	19,354	2,975	7,186	315	8,878
1981 .....	19,347	2,975	7,186	308	8,878
1982 .....	19,326	2,957	7,177	315	8,877
1983 .....	19,238	2,957	7,142	315	8,824

Source: Hawaii State Department of Planning and Economic Development, Housing Unit Estimates for Hawaii, 1970-1981 (Statistical Report 148, July 15, 1981), tables 9 and 10; Housing Unit Estimates for Hawaii, 1970-1982 (Statistical Report 156, July 28, 1982), table 9; and Housing Unit Estimates for Hawaii, 1970-1983 (Statistical Report 162, August 15, 1983), table 9.

Table 279.-- CIVILIAN EMPLOYMENT IN THE AIR FORCE, ARMY, AND NAVY:  
ANNUAL AVERAGES, 1970 TO 1982

Year	Total	Air Force	Army	Navy
1970 .....	22,080	3,680	6,100	12,300
1971 .....	21,520	3,430	6,020	12,070
1972 .....	21,200	3,400	6,000	11,800
1973 .....	20,600	3,300	6,050	11,250
1974 .....	20,200	3,300	5,700	11,200
1975 .....	19,700	3,300	5,300	11,100
1976 .....	19,200	3,200	4,950	11,050
1977 .....	19,000	3,050	4,750	11,200
1978 .....	19,100	2,850	4,500	11,750
1979 .....	18,850	2,750	4,250	11,850
1980 .....	18,700	2,650	4,100	11,950
1981 .....	19,400	2,600	4,300	12,500
1982 .....	20,400	2,650	4,650	13,100

Source: Hawaii State Department of Labor and Industrial Relations, State of Hawaii Labor Force Statistics for 1970 and 1971, and Labor Force Data Book (March 1978), as revised May 1983.

Table 280.-- DEPARTMENT OF DEFENSE PERSONNEL, MILITARY AND CIVILIAN,  
BY SERVICE: SEPTEMBER 30, 1982

Category	All services	Army	Navy	Air Force	Other defense activities
Total .....	63,035	21,797	32,188	8,943	107
Military personnel ....	42,945	17,268	19,376	6,301	-
Civilian personnel ....	20,090	4,529	12,812	2,642	107

Source follows next table.

Table 281.-- DEPARTMENT OF DEFENSE PERSONNEL, MILITARY AND CIVILIAN,  
BY LOCATION: SEPTEMBER 30, 1982

Installation or geographic area	Total DOD	Military personnel	Civilian personnel
State total .....	63,035	42,945	20,090
Aiea .....	952	702	250
Barbers Point .....	2,338	1,905	433
Ford Island .....	357	316	41
Fort Shafter .....	1,653	-	1,653
Helemano .....	133	133	-
Hickam AFB .....	7,422	5,123	2,299
Honolulu .....	3,457	1,537	1,920
Kaneohe .....	9,425	8,828	597
Kapalama Mil. Reserve .....	228	5	223
Kauai .....	195	131	64
Lualualei .....	592	248	344
Pearl Harbor .....	15,842	6,611	9,231
Schofield Barracks .....	14,089	13,091	998
Tripler Army Medical Center .....	2,419	1,417	1,002
Wahiawa .....	991	793	198
Waialua .....	602	566	36
Wheeler AFB .....	1,191	756	435
Other .....	1,149	783	366

Source: U.S. Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, Department of Defense Distribution of Personnel by State and by Selected Locations, September 30, 1982, pp. 43-44.

Table 282.-- DEFENSE EXPENDITURES: 1972 TO 1982

[In thousands of dollars.]

Year	All categories	Military payroll	Civilian payroll	Supplies, equipment, services
1972 1/ .....	744,239	309,015	250,808	184,416
1973 T/ .....	840,851	335,475	257,521	247,855
1974 T/ .....	897,861	381,281	271,007	245,573
1975 .....	982,779	396,413	281,955	304,411
1976 .....	1,034,226	420,051	301,347	312,828
1977 .....	1,086,561	432,754	325,778	328,029
1978 .....	1,155,517	465,449	354,530	335,538
1979 .....	1,221,784	497,840	372,596	351,348
1980 .....	1,317,402	533,691	418,759	364,952
1981 .....	1,449,328	612,761	450,684	385,883
1982 .....	1,693,410	716,841	508,569	468,000
SERVICE: 1982				
Air Force .....	173,745	93,321	31,806	48,618
Army .....	611,586	299,072	104,543	207,971
Coast Guard ....	29,893	23,644	3,587	2,662
Navy and Marines	878,186	300,804	368,633	208,749

1/ Revised from Data Book 1981, table 235.

Source: Quarterly reports submitted by armed forces.



Table 283.-- MILITARY PRIME CONTRACT AWARDS, BY PROGRAM: 1980 TO 1982

[Net value of Department of Defense prime contract awards over \$10,000, for the 25 major procurement programs. In thousands of dollars.]

Procurement program	Fiscal years		
	1980	1981	1982
All major programs .....	315,410	590,746	526,143
Ships .....	6,270	9,348	16,998
Electronics and communications equipment ...	14,349	16,215	16,498
Petroleum .....	146,519	243,135	269,150
Subsistence .....	12,829	14,482	21,059
Construction .....	67,718	203,376	101,634
Services .....	60,304	96,359	86,631
Other major programs .....	7,421	7,831	14,173

1/ For details, see source.

Source: U.S. Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, Department of Defense Prime Contract Awards by Region and State, Fiscal Years 1980, 1981, 1982, p. 29.

Table 284.-- VETERAN STATUS BY COUNTIES: 1980

Status	The State	Counties				
		Hawaii	Honolulu	Kalawao	Kauai	Maui
Civilian persons 16 years and over .....	665,036	66,997	516,877	144	28,420	52,598
Veteran .....	103,774	10,476	81,737	12	4,262	7,287
Percent of civilian persons 16 years and over .	15.6	15.6	15.8	8.3	15.0	13.9
Male veteran .....	98,633	10,117	77,356	12	4,133	7,015
Percent of civilian males 16 years and over ...	31.1	29.9	32.0	...	28.4	26.4

Source: U.S. Bureau of the Census, 1980 Census of Population and Housing, Advance Estimates of Social, Economic, and Housing Characteristics, PHC80-S2-13 (September 1982), table P-3.

Table 285.-- VETERANS IN CIVIL LIFE: 1977 AND 1982

[In thousands.]

Period of service	Sept. 30, 1977	Sept. 30, 1982
Total veterans <u>1/</u> .....	93	100
War veterans <u>1/</u> .....	80	80
Vietnam era .....	33	32
Korean conflict .....	21	21
World War II .....	31	32
World War I .....	1	1
Post-Vietnam era only <u>2/</u> .....	1	5
Between Korea and Vietnam only .....	12	15

1/ Veterans who served in more than one conflict are counted only once in the totals and subtotals.

2/ Service only after May 7, 1975.

Source: Veterans Administration, Veteran Population (semi-annual report).

Table 286.-- MILITARY PERSONNEL RECEIVING RETIRED PAY:  
SEPTEMBER 30, 1982

Service	Number of personnel <u>1/</u>	Monthly amount <u>2/</u>	
		Total (\$1,000)	Per person (dollars)
Dept. of Defense .....	10,658	10,753	1,009
Army .....	4,470	4,128	923
Navy .....	2,938	3,019	1,028
Marine Corps .....	710	748	1,054
Air Force .....	2,540	2,858	1,125

1/ Includes retired personnel not receiving retired pay from the Department of Defense.

2/ Before deductions for withholding taxes and allotments, but after deductions for survivor benefits, dual compensation, etc.

Source: U.S. Department of Defense, Office of Actuary, Defense Manpower Data Center, FY 1982 DOD Statistical Report on the Military Retirement System (1983), p. 17.