

## 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. Further information appears in sections 1, 2, 6, 12, 13, 14, and 23.

There were approximately 58,600 officers and enlisted men (including 5,000 aboard ships homeported in Hawaii) and 66,200 military dependents in the Islands as of July 1, 1986. 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. Almost 11,000 Hawaii residents were in the armed forces worldwide in 1986. The importance of national defense in Hawaii can be further measured by total expenditures (\$2.0 billion), military prime contract awards (\$626 million), civilian employment (20,750), veterans in civil life (102,000), military personnel receiving retired pay (10,000, receiving \$12.1 million monthly), military-connected pupils in public schools (20,300), military housing (19,200 units), and land used by the armed forces (over 96,000 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. Department of Defense, U.S. Bureau of the Census, Administrator of Veterans Affairs, the Hawaii State Department of Labor and Industrial Relations, Department of Defense, and Department of Education, and 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: 1986 presents data on national defense and veterans affairs for other states and the entire nation.

Table 316.-- HAWAII RESIDENTS ON ACTIVE DUTY IN THE  
ARMED FORCES WORLDWIDE: 1970 TO 1986

[As of June 30, unless otherwise specified.  
Based on home of record]

Year	Number	Year	Number	Year	Number
1970 .....	15,331	1981 ....	11,927	1984 ....	11,466
1975 .....	10,640	1982 ....	11,926	1985 ....	10,827
1980 .....	11,851	1983 ....	11,641	1986 ....	10,882

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

Table 317.-- DEPARTMENT OF DEFENSE PERSONNEL AND  
DEPENDENTS: 1980 TO 1985

[As of September 30]

Year	Active-duty shorebased military personnel <u>1/</u>	Dependents of active-duty military personnel <u>2/</u>	Direct-hire civilian personnel <u>3/</u>
1980 ...	43,313	53,533	18,186
1981 ...	44,141	50,324	18,814
1982 ...	44,470	56,497	19,497
1983 ...	44,651	51,119	20,005
1984 ...	47,648	54,190	20,539
1985 ...	46,875	55,552	20,762

1/ Excludes those performing civilian  
functions, Navy personnel afloat unless temporarily  
shorebased, and all Coast Guard personnel.

2/ Includes dependents of Hawaii residents  
stationed out of the State, if those dependents  
remained in Hawaii.

3/ Military functions only.

Source: U.S. Department of Defense, Washington  
Headquarters Services, Directorate for Information,  
Operations and Reports, Department of Defense  
Selected Manpower Statistics (annual).

Table 318.-- MILITARY PERSONNEL, DEPENDENTS, AND FAMILIES: 1970 TO 1986

[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
1984: July 1 ...	127,887	60,804	56,321	4,483	67,083	31,415
1985: July 1 ...	122,286	58,005	53,848	4,157	64,281	29,997
1986: July 1 ...	124,794	58,584	53,616	4,968	66,210	29,481

<sup>1/</sup> Beginning in 1982, ship crews living ashore are included with the ashore total.

Source: Hawaii State Department of Planning and Economic Development, Military Personnel and Dependents in Hawaii, 1986 (Statistical Report 192, September 29, 1986), table 1.

Table 319.-- MILITARY PERSONNEL, DEPENDENTS, AND FAMILIES, BY SERVICE AND ISLAND: JULY 1, 1986

[See headnote to preceding table]

Island and service	Military personnel				Dependents in Hawaii	Military families
	Ashore and afloat	Living ashore		Living aboard ship		
		In hsg. units	In barracks			
State total ..	58,584	37,168	16,448	4,968	66,210	29,481
By island:						
Oahu .....	58,314	36,989	16,361	4,964	65,864	29,371
Hawaii .....	84	55	27	2	161	23
Maui .....	25	23	-	2	37	14
Kauai .....	137	101	36	-	148	73
Kure Atoll .....	24	-	24	-	-	-
By service:						
Air Force .....	6,746	5,321	1,425	-	10,583	4,726
Army .....	17,047	11,071	5,976	-	23,007	9,742
Coast Guard .....	1,160	747	114	299	1,024	463
Marine Corps .....	10,778	5,323	4,254	1,201	9,047	4,115
Navy .....	22,853	14,706	4,679	3,468	22,549	10,435

Source: Hawaii State Department of Planning and Economic Development, Military Personnel and Dependents in Hawaii, 1986 (Statistical Report 192, September 29, 1986), table 2.

Table 320.-- NATIONAL GUARD STRENGTH: 1981 TO 1986

[Actual strength as of June 30]

Year	Total	Air National Guard	Army National Guard
1981 .....	5,338	1,943	3,395
1982 .....	5,720	2,022	3,698
1983 .....	5,799	2,031	3,768
1984 .....	5,866	2,073	3,793
1985 .....	6,096	2,227	3,869
1986 .....	5,882	2,197	3,685

Source: Hawaii State Department of Defense, Annual Report for years specified, and records.

Table 321 .-- DEPARTMENT OF DEFENSE PERSONNEL, MILITARY AND CIVILIAN, BY SERVICE: SEPTEMBER 30, 1985

Category	All services	Army	Navy	Air Force	Other DoD
Total .....	68,232	23,816	34,973	9,323	120
Military personnel <u>1/</u> .	46,973	18,516	21,760	6,697	-
Civilian personnel <u>2/</u> .	21,259	5,300	13,213	2,626	120

Footnotes and source follow next table.

Table 322.-- DEPARTMENT OF DEFENSE PERSONNEL, MILITARY AND CIVILIAN,  
BY LOCATION: SEPTEMBER 30, 1985

[Do not add to totals. Hickam AFB data include Wheeler AFB personnel]

Installation or geographic area	Total DoD	Military personnel <u>1/</u>	Civilian personnel <u>2/</u>
State total .....	68,232	46,973	21,259
Aiea .....	967	734	233
Barbers Point NAS .....	2,430	1,974	456
Ford Island .....	439	397	42
Fort Shafter .....	1,988	-	1,988
Halawa Heights .....	350	310	40
Hickam AFB .....	8,874	6,559	2,315
Honolulu .....	2,353	1,727	626
Kaneohe .....	10,397	9,691	706
Kapalama .....	226	12	214
Kauai .....	213	130	83
Kunia .....	1,302	1,274	28
Lualualei .....	514	224	290
Pearl Harbor .....	18,349	7,354	10,995
Schofield Barracks .....	15,027	13,881	1,146
Tripler Army Medical Center .....	1,050	3	1,047
Wahiawa .....	1,056	863	193
Waialua .....	604	567	37
Wheeler AFB .....	1,593	1,096	497
Other .....	2,093	1,273	820

1/ Active duty.

2/ Direct hire.

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, 1985, pp. 28-29; Pacific Air Forces Community Relations Office.

Table 323.-- CIVILIAN EMPLOYMENT IN THE AIR FORCE, ARMY, AND NAVY:  
ANNUAL AVERAGES, 1980 TO 1985

Year	Total	Air Force	Army	Navy
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
1983 .....	20,850	2,650	4,850	13,350
1984 .....	20,600	2,650	5,000	12,950
1985 .....	20,750	2,650	5,400	12,700

Source: Hawaii State Department of Labor and Industrial Relations, Labor Force Data Book (March 1978), as revised annually through April 1986.

Table 324.-- MILITARY PRIME CONTRACT AWARDS, BY SERVICE: 1982 TO 1985

[In thousands of dollars. Fiscal years ended September 30. Net value of Department of Defense prime contracts over \$25,000]

Fiscal year	Total	Army	Navy & Marine Corps	Air Force	Other defense activities
1982 .....	500,609	80,661	103,827	35,279	280,842
1983 .....	638,975	117,573	187,355	36,806	297,241
1984 .....	536,735	185,074	158,068	52,719	140,874
1985 .....	626,153	255,236	152,782	59,939	158,196

Source: U.S. Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, Department of Defense Atlas/State Data Abstract for the United States, Fiscal Year 1985, p. 33.

Table 325.-- DEFENSE EXPENDITURES: 1975 TO 1985

[In thousands of dollars. Does not include military retired pay, Hawaii National Guard expenditures, or U.S. Army Corps of Engineers contracts]

Year	All categories	Military payroll	Civilian payroll	Supplies, equipment, services
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
1983 .....	1,848,175	793,782	558,220	496,175
1984 .....	1,867,189	828,787	582,531	455,872
1985 <u>1/</u> .....	1,965,430	839,851	611,437	514,138
SERVICE: 1985				
Air Force .....	201,026	109,391	36,927	54,707
Army .....	780,389	389,132	142,664	248,591
Coast Guard .....	28,743	21,804	4,009	2,929
Navy and Marine Corps <u>1/</u> .....	955,272	319,524	427,837	207,911

1/ Military payroll partly estimated due to change in reporting method.

Source: Quarterly reports submitted to DPED by armed forces.



Table 326.-- HOUSING UNITS OWNED BY THE ARMED FORCES:  
1985 AND 1986

[As of April 1]

Year	All services	Air Force	Army	Coast Guard	Navy and Marines
1985 .....	19,214	2,957	7,122	315	8,820
1986 .....	19,210	2,953	7,122	315	8,820

Source: Hawaii State Census Statistical Areas Committee, The Geographic Distribution of Government Housing in Hawaii, 1986 (Report CTC-66, July 14, 1986).

Table 327.-- VETERANS IN CIVIL LIFE: 1976 AND 1986

Period of service	September 30, 1976	September 30, 1986
Total veterans <u>1/</u> .....	93,000	102,000
Wartime veterans <u>1/</u> .....	81,000	81,000
Vietnam era .....	32,000	37,000
Korean conflict .....	21,000	21,000
World War II .....	32,000	33,000
World War I .....	1,000	(Z)
Peacetime veterans .....	12,000	21,000
Post-Vietnam era only <u>2/</u> .....	(Z)	9,000
Between Korea and Vietnam only .....	12,000	11,000
Other peacetime veterans <u>3/</u> .....	...	1,000

Z Under 500.

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.

3/ Includes those who served only between World War I and World War II, and those who served only between World War II and the Korean conflict.

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

Table 328.-- VETERAN STATUS BY COUNTIES: 1980

Subject	State total <u>1/</u>	Counties			
		Hawaii	Honolulu	Kauai	Maui
Male veterans .....	98,633	10,117	77,356	4,133	7,015
Percent of civilian males, 16 years and over .....	31.1	29.9	32.0	28.4	26.4
Female veterans .....	5,141	359	4,381	129	272
Percent of civilian females, 16 years and over .....	1.5	1.1	1.6	0.9	1.0

1/ Includes Kalawao County, not shown separately.

Source: U.S. Bureau of the Census, 1980 Census of Population, General Social and Economic Characteristics, Hawaii, PC80-1-C13 (June 1983), table 70 and 179.

Table 329.-- MILITARY PERSONNEL RECEIVING RETIRED PAY FROM THE DEPARTMENT OF DEFENSE: SEPTEMBER 30, 1985

Service	Number of personnel		Monthly payment <u>2/</u> (\$1,000)	Payment per person paid <u>2/</u> (dollars)
	Retired <u>1/</u>	Paid by DOD		
Dept. of Defense .....	11,221	10,342	12,071	1,167
Army .....	4,637	4,180	4,566	1,092
Navy .....	3,101	2,883	3,380	1,172
Marine Corps .....	784	703	909	1,293
Air Force .....	2,699	2,576	3,216	1,248

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 the Actuary, Defense Manpower Data Center, FY 1985 DOD Statistical Report on the Military Retirement System (1986), p. 17.

Table 330.-- WAR CASUALTIES OF HAWAII RESIDENTS IN THE ARMED FORCES:  
1914 TO 1976

[Data refer to U.S. military personnel whose home state or  
pre-service residence of record was Hawaii]

War	Personnel serving	Battle deaths	Nonbattle deaths	Wounded
World War I 1/ .....	9,800		102	(NA)
World War II .....	28,008	658	138	(NA)
Korean conflict .....	(NA)	403	(NA)	923
Vietnam conflict .....	12,970	221	51	(NA)

NA Not available.

1/ Data include nearly 200 Hawaii residents serving (and 22 dying) with the British armed forces, many prior to the U.S. entry into World War I. Of the 102 war casualties, only 14 occurred overseas prior to the armistice; 61 took place in Hawaii or North America or after the armistice, and the time or place of 27 is unknown.

Source: Hawaii State Department of Planning and Economic Development, Military Personnel and Dependents in Hawaii, July 1977 (Statistical Report 120, September 9, 1977), tables 6 and 7.