

## 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, land controlled by the Department of Defense, military housing, and expenditures by the armed forces. Further information appears in sections 1, 2, 12, and 23.

There were approximately 53,000 officers and enlisted men (including 2,800 aboard ships homeported in Hawaii) and 57,000 military dependents in the Islands as of July 1, 1992. 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 and Marine Corps account for half of the current total. More than 8,400 Hawaii residents were in the armed forces worldwide in 1992. The importance of national defense in Hawaii can be further measured by total expenditures (\$3.2 billion), military prime contract awards (\$697 million), civilian employment (19,000), veterans in civil life (119,000), military personnel receiving retired pay (11,400, receiving \$16 million monthly), military-connected pupils in public schools (19,800), military housing (19,700 units), and land owned or controlled by the armed forces (239,000 acres). Defense expenditures are second only to tourism as a source of income to Hawaii.

The Department of Business, Economic Development & Tourism has compiled periodic reports on military personnel and dependents since 1959. Other published sources include reports of the U.S. Department of Defense, U.S. Bureau of the Census, Administrator of Veterans Affairs, and the Hawaii State Department of Labor and Industrial Relations, Department of Defense, and Department of Education. 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-1988, for example, the number of armed forces in Hawaii was reported as 45,843 by DOD, 56,815 by the Bureau of the Census, and 64,053 by the local commanding officers reporting to DBED. *Historical Statistics of Hawaii*, Section 26, includes series on the armed forces dating back to 1795. Section 11 of the *Statistical Abstract of the United States: 1993* presents data on national defense and veterans affairs for other states and the entire nation.

**Table 10.1-- HAWAII RESIDENTS ON ACTIVE DUTY WITH THE U.S. ARMED FORCES WORLDWIDE: 1950 TO 1993**

[As of June 30, unless otherwise specified. 1950-1979 based on preservice residence; 1980-1993, on home of record]

Year	Number	Year	Number	Year	Number
1950 .....	7,699	1965 .....	15,109	1980 .....	11,851
1951 .....	10,958	1966 .....	15,875	1981 .....	11,927
1952 .....	16,594	1967 .....	18,048	1982 .....	11,926
1953 .....	16,217	1968 .....	22,433	1983 .....	11,641
1954 .....	16,189	1969 .....	15,856	1984 .....	11,466
1955 .....	15,175			1985 .....	10,827
1956 .....	15,243	1970 .....	15,331	1986 .....	10,882
1957 .....	14,687	1971 .....	13,600	1987 .....	10,896
1958 .....	13,310	1972 .....	11,600	1988 .....	10,548
1959 .....	12,596	1973 .....	10,200	1989 <u>2/</u> .....	10,501
		1974 .....	10,810		
1960 <u>1/</u> .....	12,662	1975 .....	10,640	1990 .....	10,052
1961 .....	11,340	1976 .....	10,600	1991 .....	10,076
1962 .....	13,464	1977 .....	10,640	1992 .....	8,432
1963 .....	14,944	1978 .....	10,715	1993 .....	7,621
1964 .....	15,000	1979 <u>1/</u> .....	11,069		

1/ As of March 31 or April 1.

2/ U.S. military personnel stationed abroad as of December 31, 1989 included 3,782 whose home of record was Hawaii and 5,049 whose last duty station was Hawaii (data from U.S. Bureau of the Census, "Press Clippings," CB90-28, July 23, 1990).

Source: 1950-1969 estimates by U.S. Bureau of the Census in Hawaii State Department of Planning and Economic Development, *Military Personnel and Dependents in Hawaii, July 1977* (Statistical Report 120, September 9, 1977), table 5; 1970-1993 from U.S. Department of Defense, Defense Manpower Data Center, records, in Hawaii State Department of Business, Economic Development & Tourism, *The State of Hawaii Data Book* (annual).

**Table 10.2-- DEPARTMENT OF DEFENSE PERSONNEL AND DEPENDENTS:  
1988 TO 1993**

[As of September 30. Excludes Coast Guard]

Year	Active-duty shore-based military personnel <u>1/</u>	Dependents of active-duty military personnel <u>2/</u>	Direct-hire civilian personnel <u>3/</u>
1988 .....	45,843	54,820	20,133
1989 .....	45,935	54,724	20,246
1990 .....	41,887	51,727	19,857
1991 .....	44,092	50,006	18,978
1992 .....	44,864	47,671	17,893
1993 .....	42,958	45,612	...

1/ Excludes Navy personnel afloat or temporary shore-based.

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

3/ Includes Army personnel performing civil functions.

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

**Table 10.3-- MILITARY PERSONNEL, DEPENDENTS, AND FAMILIES:  
1990 TO 1993**

[Includes Navy, Marine Corps, 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 <u>1/</u>			Dependents in Hawaii	Military families
		Total	Ashore	Aboard ship		
1990: April 1 .....	113,833	53,898	50,681	3,217	59,935	30,934
1991: July 1 .....	117,141	53,813	51,197	2,616	63,328	28,655
1992: July 1 .....	109,959	52,965	50,206	2,759	56,994	23,751
1993: July 1 .....	107,603	45,437	44,152	1,285	62,166	25,952

1/ Ship crews living ashore are included with the ashore total.

Source: Hawaii State Department of Business, Economic Development & Tourism, annual survey of local commanding officers. Air Force and Marine Corps data for 1993 partly estimated.

**Table 10.4-- MILITARY PERSONNEL, DEPENDENTS, AND FAMILIES,  
BY SERVICE AND ISLAND: JULY 1, 1993**

[See headnote to preceding table]

Island and service	Personnel and dependents	Military personnel				Living aboard ship	Dependents in Hawaii	Military families
		Ashore and afloat	Living ashore					
			In hsg. units	In barracks				
State total	107,603	45,437	29,623	14,529	1,285	62,166	25,952	
By island:								
Oahu.....	107,136	45,246	29,472	14,489	1,285	61,890	25,819	
Hawaii.....	185	67	65	2	-	118	54	
Maui.....	32	15	15	-	-	17	8	
Kauai .....	250	109	71	38	-	141	71	
Kure Atoll <sup>1/</sup> .	-	-	-	-	-	-	-	
By service:								
Air Force.....	11,712	4,708	4,302	406	-	7,004	2,931	
Army .....	43,061	18,540	11,407	7,133	-	24,521	9,416	
Coast Guard	2,444	1,172	847	118	207	1,272	568	
Marine Corps	15,217	8,147	3,444	4,703	-	7,070	2,729	
Navy .....	35,169	12,870	9,623	2,169	1,078	22,299	10,308	

<sup>1/</sup> Disestablished effective July 2, 1992.

Source: Hawaii State Department of Business, Economic Development & Tourism, annual survey of local commanding officers. Air Force and Marine Corps data partly estimated.

**Table 10.5-- NATIONAL GUARD STRENGTH: 1988 TO 1993**

[Actual strength as of late June]

Service	1988	1989	1990	1991	1992	1993
Total.....	5,838	5,769	5,711	5,632	5,628	5,632
Air National Guard.....	2,187	2,159	2,124	2,078	2,128	2,241
Army National Guard.....	3,651	3,610	3,587	3,554	3,500	3,391

Source: Hawaii State Department of Defense, records.

**Table 10.6-- DEPARTMENT OF DEFENSE PERSONNEL AND DEPENDENTS, BY SERVICE: SEPTEMBER 30, 1993**

Category	All services	Army	Navy	Air Force	Marine Corps
Total.....	88,570	31,821	29,820	11,712	15,217
Military personnel <u>1/</u> .....	42,958	18,831	11,272	4,708	8,147
Dependents <u>2/</u> .....	45,612	12,990	18,548	7,004	7,070

1/ Active duty. Data exclude personnel afloat or temporary shore-based.

2/ Dependents of active-duty military personnel.

Source: U.S. Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, letter dated June 16, 1994.

**Table 10.7-- DEPARTMENT OF DEFENSE PERSONNEL, MILITARY AND CIVILIAN, BY LOCATION: SEPTEMBER 30, 1992**

Installation or geographic area	Total DoD	Military personnel <u>1/</u>	Civilian personnel <u>2/</u>
State total .....	62,757	44,864	17,893
Aiea .....	886	648	238
Barbers Point NAS .....	1,569	1,302	367
Camp H. M. Smith .....	799	799	-
Ford Island .....	368	332	36
Fort Shafter .....	2,914	1,210	1,704
Hickam AFB .....	5,269	3,809	1,460
Honolulu .....	639	327	312
Kailua .....	151	134	17
Kaneohe .....	8,459	7,841	618
Kapalama .....	109	-	109
Kauai .....	253	131	122
Kunia .....	452	405	47
Lualualei .....	501	209	292
Pearl Harbor .....	18,857	9,464	9,393
Schofield Barracks .....	15,993	14,927	1,066
Tripler Army Medical Center.....	3,120	1,900	1,220
Wahiawa.....	726	580	146
Wheeler AFB .....	1,108	693	415
Other .....	484	153	331

1/ Active duty. Navy figure includes Marine Corps and excludes personnel afloat or temporary shore-based.

2/ Direct hire. Army data include civil function personnel.

Source: U.S. Office of the Secretary 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, 1992*, pp. 6 and 29.

**Table 10.8-- CIVILIAN EMPLOYMENT IN THE AIR FORCE, ARMY, AND NAVY: ANNUAL AVERAGES, 1988 TO 1993**

Service	1988	1989	1990	1991	1992	1993
Total.....	20,200	20,100	19,350	18,850	18,000	17,550
Air Force.....	2,450	2,350	2,300	2,250	2,200	2,200
Army.....	5,500	5,550	5,600	5,400	4,800	4,650
Navy.....	12,250	12,200	11,450	11,200	11,000	10,700

Source: Hawaii State Department of Labor and Industrial Relations, *Labor Force Data Book* (April 1994).

**Table 10.9-- MILITARY PRIME CONTRACT AWARDS, BY PROGRAM:  
1990 TO 1992**

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

Procurement program	1990	1991	1992
Total.....	511,893	697,127	622,729
Ships.....	16,086	6,771	14,621
Electronics and communication equipment.....	37,214	20,751	35,863
Petroleum.....	59,274	57,295	60,981
Construction.....	157,555	312,601	282,607
Services.....	198,244	254,257	177,612
All other procurement programs.....	43,520	45,452	51,045

Source: U.S. Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, *Prime Contract Awards by Region and State, Fiscal Years 1992, 1991, and 1990*, p. 29.

**Table 10.10-- ACREAGE OWNED OR CONTROLLED BY THE U.S. DEPARTMENT OF DEFENSE, BY BRANCH OF SERVICE AND BY ISLANDS: 1992**

Branch of service and island	Total acreage	Owned in fee or ceded	Leased land
All branches.....	238,937	167,248	71,689
Branch of service:			
Air Force.....	5,867	5,286	581
Army.....	151,927	105,633	46,294
Marines.....	27,950	3,643	24,307
Navy.....	53,193	52,686	507
Island:			
Hawaii.....	101,882	84,822	17,060
Maui.....	8	5	3
Kahoolawe.....	28,777	28,777	-
Lanai.....	-	-	-
Molokai.....	6,319	12	6,307
Oahu.....	81,459	51,602	29,857
Kauai.....	20,384	1,922	18,462
Niihau.....	-	-	-
Kaula.....	108	108	-
Northwestern Hawaiian Islands, exc. Midway.....	-	-	-

Source: *Honolulu Advertiser*, November 16, 1992, p. A2.

**Table 10.11-- HOUSING UNITS OWNED BY THE ARMED FORCES, BY COUNTIES: APRIL 1, 1991 AND 1992**

Year	State total	Honolulu	Hawaii	Kauai	Maui
1991.....	19,348	19,272	8	62	6
1992.....	19,688	19,612	8	62	6

Source: Hawaii State Department of Business, Economic Development & Tourism, *Housing Unit Estimates for Hawaii* (annual).



**Table 10.12-- VETERAN STATUS OF CIVILIANS 16 YEARS AND OVER:  
1960 TO 1990**

Veteran status	Civilian males			All civilians <u>1/</u>	
	1960 <u>2/</u>	1970	1980	1980	1990
Civilians 16 and over .	185,069	223,573	316,651	665,036	801,517
Veterans .....	55,938	89,098	98,633	103,774	119,256
War veterans <u>3/</u> .....	46,888	75,026	82,230	85,322	87,301
Vietnam era .....	-	20,548	36,441	38,136	41,860
Korean conflict.....	14,644	20,006	21,860	22,351	22,362
World War II.....	31,053	34,486	31,170	32,156	32,551
World War I.....	3,689	2,501	824	854	132
Peacetime veterans only	9,050	14,072	16,403	18,452	31,955
Nonveterans .....	129,131	134,475	218,018	561,262	682,261

1/ Not available for female civilians before 1980.

2/ 14 years old and over.

3/ Detail adds to more than subtotal because some veterans served in more than one war.

Source: U.S. Bureau of the Census, *U.S. Census of Population: 1960*, Final Report PC(1)-13C, table 48; *1970 Census of Population*, PC(1)-C13, table 50, *1980 Census of Population*, PC80-1-D13, table 204; 1990 Census of Population tapes tabulated by Hawaii State Data Center.

**Table 10.13-- MILITARY PERSONNEL RECEIVING RETIRED PAY FROM THE  
DEPARTMENT OF DEFENSE: SEPTEMBER 30, 1993**

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.....	13,020	11,795	17,203	1,458
Army .....	5,308	4,725	6,248	1,322
Navy .....	3,611	3,289	5,023	1,527
Marine Corps.....	882	792	1,332	1,682
Air Force.....	3,219	2,989	4,599	1,539

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, *FY 1993 DOD Statistical Report on the Military Retirement System* (1994), p. 20.