

Section 10

NATIONAL DEFENSE

This section presents statistics relating to the armed forces and their dependents, national guard expenditures and strength, civilian employment in national defense, veterans, land controlled by the U.S. Department of Defense (DOD), military housing, and expenditures by the armed forces. Additional information appears in sections 1, 2, 9, 12, and 23.

The Hawaii State Department of Business, Economic Development & Tourism (DBEDT) has compiled periodic reports on military personnel and dependents since 1959. Other published sources include reports of the DOD, U.S. Bureau of the Census (BOC), U.S. Department of Veterans Affairs, the Hawaii State Department of Labor and Industrial Relations and the Hawaii State Department of Defense. Definitions used by these sources differ to some degree, and care is necessary in comparing data issued by two or more agencies. In mid-1996, for example, the number of armed forces in Hawaii was reported as 36,392 by the DOD, 47,986 by the BOC, and 43,019 by the local commanding officers reporting to DBEDT. *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: 1998* presents data on national defense and veterans affairs for other states and the U.S. as a whole.

Table 10.01-- HAWAII RESIDENTS ON ACTIVE DUTY WITH THE U.S. ARMED FORCES WORLDWIDE: 1950 TO 1995

[As of June 30, unless otherwise specified. 1950-1979 based on pre-service residence; 1980-1995, on home of record]

Year	Number	Year	Number	Year	Number
1950	7,699	1966	15,875	1981	11,927
1951	10,958	1967	18,048	1982	11,926
1952	16,594	1968	22,433	1983	11,641
1953	16,217	1969	15,856	1984	11,466
1954	16,189	1970	15,331	1985	10,827
1955	15,175	1971	13,600	1986	10,882
1956	15,243	1972	11,600	1987	10,896
1957	14,687	1973	10,200	1988	10,548
1958	13,310	1974	10,810	1989 2/	10,501
1959	12,596	1975	10,640	1990	10,052
1960 1/	12,662	1976	10,600	1991	10,076
1961	11,340	1977	10,640	1992	8,432
1962	13,464	1978	10,715	1993	7,621
1963	14,944	1979 1/	11,069	1994	5,098
1964	15,000	1980	11,851	1995 3/	4,237
1965	15,109				

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).

3/ For 1995, Defense Manpower Data Center does not include home-of-record for U.S. Air Force.

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; 1970-1995 from U.S. Department of Defense, Defense Manpower Data Center, records.

**Table 10.02-- MILITARY PERSONNEL, DEPENDENTS, AND FAMILIES:
1980 TO 1998**

[Includes Navy, Marine Corps, and Coast Guard personnel afloat on a homeported basis. Data differ from similar series compiled by the Bureau of the Census and Department of Defense]

Date	Personnel and dependents	Military personnel 1/			Dependents in Hawaii	Military families
		Total	Ashore	Aboard ship		
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
1987: July 1	125,127	60,277	56,322	3,955	64,850	32,038
1988: July 1	133,958	64,053	60,621	3,432	69,905	34,535
1989: July 1	116,644	56,370	53,263	3,107	60,274	31,652
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 2/	107,603	45,437	44,152	1,285	62,166	25,952
1994: July 1	98,531	44,193	42,790	1,403	54,338	27,478
1995: July 1 3/	92,490	45,971	43,839	2,132	46,519	21,700
1996: July 1	98,356	43,019	40,457	2,562	55,337	24,667
1997: July 1 4/	97,344	41,769	38,884	2,885	55,575	22,996
1998: July 1 5/	101,311	40,773	37,761	3,012	60,538	24,965

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

2/ Air Force and Marine Corps data for 1993 partly estimated.

3/ Coast Guard and Marine Corps data for 1995 partly estimated.

4/ Coast Guard and Marine Corps data for 1997 estimated.

5/ Air Force and Army data for 1998 partly estimated.

Source: Hawaii State Department of Business, Economic Development & Tourism, annual survey of local commanding officers.

**Table 10.03-- MILITARY PERSONNEL, DEPENDENTS, AND FAMILIES,
BY SERVICE AND ISLAND: JULY 1, 1997 AND 1998**

[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]

Island and service	Personnel and dependents	Military personnel				Dependents in Hawaii	Military families
		Ashore and afloat	Living ashore		Living aboard ship		
			In hsg. units	In barracks			
1997 1/ State total	97,344	41,769	26,888	11,996	2,885	55,575	22,996
By island:							
Oahu	96,830	41,575	26,731	11,959	2,885	55,255	22,881
Hawaii	93	34	34	-	-	59	25
Maui	73	25	25	-	-	48	17
Kauai	348	135	98	37	-	213	73
By service:							
Air Force	11,002	4,614	3,888	726	-	6,388	2,550
Army	39,896	15,330	10,446	4,884	-	24,566	9,405
Coast Guard	3,109	1,376	1,155	76	145	1,733	714
Marine Corps	11,585	5,800	2,274	3,526	-	5,785	2,909
Navy	31,752	14,649	9,125	2,784	2,740	17,103	7,418
1998 2/ State total	101,311	40,773	26,190	11,571	3,012	60,538	24,965
By island:							
Oahu	100,799	40,576	26,049	11,515	3,012	60,223	24,837
Hawaii	110	41	29	12	-	69	23
Maui	71	27	21	6	-	44	15
Kauai	331	129	91	38	-	202	90
By service:							
Air Force	9,785	3,223	2,534	689	-	6,562	2,881
Army	42,796	15,484	10,925	4,559	-	27,312	10,275
Coast Guard	3,045	1,324	1,086	76	162	1,721	680
Marine Corps	12,079	5,724	2,351	3,373	-	6,355	2,969
Navy	33,606	15,018	9,294	2,874	2,850	18,588	8,160

1/ Coast Guard and Marine Corps data for 1997 estimated.

2/ Air Force and Army data for 1998 partly estimated.

Source: Hawaii State Department of Business, Economic Development & Tourism records.

**Table 10.04-- DEPARTMENT OF DEFENSE PERSONNEL
AND DEPENDENTS: 1989 TO 1998**

[As of September 30. Excludes Coast Guard]

Year	Total	Active-duty shore-based military personnel 1/	Dependents of active-duty military personnel 2/	Direct-hire civilian personnel 3/
1989	120,905	45,935	54,724	20,246
1990	113,471	41,887	51,727	19,857
1991	113,076	44,092	50,006	18,978
1992	110,428	44,864	47,671	17,893
1993	105,911	42,958	45,612	17,341
1994	99,188	42,161	39,989	17,038
1995	114,139	38,172	58,788	17,179
1996	111,002	36,392	57,786	16,824
1997	109,762	34,826	57,720	17,216
1998	104,018	34,643	52,643	16,732

1/ Excludes Navy personnel afloat or temporary shore-based, e.g., 5,600 in 1995.

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), and at <<http://web1.whs.osd.mil/diorhome.htm>> and at <<http://web1.whs.osd.mil/mmids/mo1/fy96>>; for 1997 <<http://web1.whs.osd.mil/mmids/m02/97city.htm>>, June 8, 1998. For 1998: *Worldwide Manpower Distribution by Geographical Area, September 30, 1998* (p. 1) and <<http://web1.whs.osd.mil/mmids/m05sep98.pdf>>.

**Table 10.05-- DEPARTMENT OF DEFENSE PERSONNEL AND
MILITARY DEPENDENTS, BY SERVICE: SEPTEMBER 30, 1997 AND 1998**

Category	All services	Army	Navy	Air Force	Marine Corps
1997					
Total	92,546	42,825	28,499	9,927	11,295
Military personnel 1/ Dependents 2/	34,826 57,720	15,249 27,576	9,840 18,659	3,614 6,313	6,123 5,172
Direct-hire civilians 3/	17,216	4,779	9,367	1,951	(NA)
1998					
Total	87,286	39,874	24,894	10,417	12,101
Military personnel 1/ Dependents 2/	34,643 52,643	15,133 24,741	7,882 17,012	4,547 5,870	7,081 5,020
Direct-hire civilians 3/	16,732	4,437	9,237	1,991	(NA)

1997 dependents data are revised and civilian personnel data included.

NA Not available.

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

2/ Dependents of active-duty military personnel.

3/ Source data includes Marine Corps with Navy. Total includes Other Department of Defense direct-hire civilians of 1,125 and 1,067 for 1997 and 1998 respectively.

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, 1997*, and <<http://web1.whs.osd.mil/military/309A997.htm>>.

For 1998: *Worldwide Manpower Distribution by Geographical Area, September 30, 1998* (pp. 1, 27, 31, 34, and 41) and <<http://web1.whs.osd.mil/mmid/m05sep98.pdf>>.

Table 10.06-- DEPARTMENT OF DEFENSE PERSONNEL, MILITARY AND CIVILIAN, BY SELECTED LOCATIONS: SEPTEMBER 30, 1998

Installation or geographic area	Total DOD	Military personnel 1/	Civilian personnel 2/
State total	50,671	34,643	16,028
Aiea	287	21	266
Barbers Point NAS	1,799	1,407	392
Camp H.M. Smith	1,199	1,199	-
Ford Island	401	115	286
Fort Shafter	2,706	1,338	1,368
Hickam AFB	4,715	3,561	1,154
Honolulu	458	240	218
Kaneohe	6,969	6,375	594
Kunia	1,420	1,355	65
Lualualei	335	107	228
Pearl Harbor	12,848	5,077	7,771
Schofield Barracks	11,564	10,400	1,164
Tripler Army Med Ctr	2,777	1,510	1,267
Wahiawa	628	483	145
Wheeler AFB/Army Fld	1,768	1,275	493
Kauai Island	241	94	147
Other	556	86	470

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 at <<http://web1.whs.osd.mil/mmid/m02/98city.htm>>.

**Table 10.07-- FEDERAL DEFENSE EXPENDITURES ON HAWAII GROSS
STATE PRODUCT AND EMPLOYMENT: 1985 TO 1998**

[In millions of dollars unless otherwise indicated]

Year	Gross State Product (GSP)	Federal Defense				
		Expenditures 1/			Employment	
		Total	Percent change from year previous	As percent of GSP	Civilian jobs	Armed forces 2/
1985	17,139.7	3,110.6	(NA)	16.0	20,750	56,383
1986	18,483.0	3,091.7	-0.6	14.8	20,400	58,122
1987	20,027.3	3,073.7	-0.6	13.6	20,100	58,122
1988	22,324.0	3,191.3	3.8	12.6	20,200	56,815
1989	24,574.7	3,294.7	3.2	11.9	20,100	56,360
1990	27,033.6	3,349.6	1.7	11.0	19,350	1 / 55,222
1991	28,614.4	3,652.3	9.0	11.3	18,850	54,738
1992	30,259.6	3,831.7	4.9	11.2	18,100	55,099
1993	31,171.9	3,735.2	-2.5	10.6	17,450	52,674
1994	31,965.3	3,799.5	1.7	10.5	16,850	52,845
1995	32,723.7	3,773.2	-0.7	10.2	16,750	50,729
1996	33,509.1	3,923.1	4.0	10.3	16,800	47,986
1997	34,179.3	4,077.9	3.9	10.5	16,300	44,542
1998	34,914.8	4,072.3	-0.1	10.3	16,050	44,984

1/ Revised.

2/ These figures are the estimates developed by the U.S. Bureau of the Census for use in population estimation. See table 1.03 for historical data.

Source: Hawaii State Department of Business, Economic Development & Tourism, records.

**Table 10.08-- FEDERAL EXPENDITURES FOR ARMY AND AIR
NATIONAL GUARD FOR HAWAII: 1997 AND 1998**

[In dollars. Fiscal year ended September 30]

Category	1997		1998	
	Army	Air	Army	Air
Total Federal support for National Guard in Hawaii	53,006,291	78,454,685	62,114,696	90,481,934
Total Funds allotted by National Guard to Hawaii	35,700,186	59,065,615	44,431,767	70,700,899
National Guard Personnel Appropriation	8,211,257	1,263,630	9,320,398	1,498,488
Military pay, transportation, and subsistence	7,322,995	929,349	8,433,186	1,040,985
Military uniform	619,645	193,708	579,530	355,779
Subsistence	268,617	140,573	307,682	101,724
Oper. and maint., military constr. approp. - Army	25,224,219	57,801,985	32,745,755	69,202,411
Civilian pay	14,399,003	38,450,571	14,956,832	39,611,797
Transportation and travel	1,241,014	720,847	1,275,763	633,352
Personnel	367,709	688,633	336,511	597,410
Equipment and supplies	873,305	32,214	939,252	35,942
Equipment, supplies and service	5,664,430	18,630,567	5,534,372	28,957,262
Organizational equipment	865,781	755,644	701,377	656,630
Petroleum, oils and lubricants	623,306	(NA)	348,341	(NA)
Repair parts and services	1,711,888	(NA)	1,938,084	(NA)
Other operating supplies and services	2,463,455	(NA)	2,546,570	(NA)
Supplies	(NA)	3,691,567	(NA)	4,524,488
Depot level repairables	(NA)	7,818,694	(NA)	12,249,912
Aviation fuel	(NA)	0	(NA)	0
Other operating supplies and services	(NA)	1,060,291	(NA)	1,663,648
Construction repairs	(NA)	5,304,371	(NA)	9,862,584
Major construction	(NA)	2,730,303	(NA)	7,254,127
Major construction/major repairs	(NA)	1,128,168	(NA)	1,177,548
Operations and maintenance agreements	(NA)	1,445,900	(NA)	1,430,909
Construction, repairs, and utilities	3,919,772	(NA)	10,978,788	(NA)
Armory construction	188,698	(NA)	4,305,704	(NA)
Architectural and engineering services	81,562	(NA)	249,397	(NA)
Non-armory construction	425,000	(NA)	2,102,843	(NA)
Maintenance, repairs, and minor construction	3,069,311	(NA)	4,154,779	(NA)
Utilities	155,201	(NA)	166,065	(NA)
Oper. & maint. Def. Approp.-Army Youth Challenge	2,264,710	(NA)	2,365,614	(NA)
Total Funded directly by National Guard Bureau	17,306,105	19,389,070	17,682,929	19,781,035
Army drill pay	7,083,150	(NA)	7,163,508	(NA)
AGR pay	10,222,955	(NA)	10,519,421	(NA)
Annual training pay	(NA)	2,287,224	(NA)	2,287,224
Other active duty pay	(NA)	2,321,827	(NA)	2,321,827
Inactive duty training pay	(NA)	6,720,394	(NA)	6,720,394
Basic training pay	(NA)	803,083	(NA)	803,083
Active Guard Reserve pay	(NA)	7,256,542	(NA)	7,256,542

NA Not available.

Source: Hawaii Department of Defense, *Annual Report Fiscal Year 1997*, p. 47; and *1998*, p. 48.

Table 10.09-- NATIONAL GUARD STRENGTH: 1990 TO 1998

[Actual strength 1/]

Year	Total	Army National Guard	Air National Guard
1990	5,711	3,587	2,124
1991	5,632	3,554	2,078
1992	5,628	3,500	2,128
1993	5,632	3,391	2,241
1994	5,611	3,480	2,131
1995	5,668	3,358	2,310
1996	5,415	3,029	2,386
1997	5,511	3,120	2,391
1998	5,475	3,053	2,422

1/ As of late June for 1990-1995, late November for 1996, September 30 for 1997 and 1998.

Source: Hawaii State Department of Defense, records for 1990-96, *Annual Report Fiscal Year 1997*, p. 47; and *1998*, p. 48.

**Table 10.10-- CIVILIAN EMPLOYMENT IN THE AIR FORCE, ARMY,
AND NAVY: ANNUAL AVERAGES, 1990 TO 1998**

Year	Total	Air Force	Army	Navy
1990	19,350	2,300	5,600	11,450
1991	18,850	2,250	5,400	11,200
1992	18,100	2,200	4,800	11,100
1993	17,450	2,150	4,600	10,700
1994	16,850	2,000	4,600	10,250
1995	16,750	2,100	4,450	10,200
1996	16,800	2,100	4,850	9,850
1997	16,300	2,050	5,000	9,250
1998	16,050	2,050	4,900	9,100

Source: Hawaii State Department of Labor and Industrial Relations, *Labor Force Data Book*, May 1997, p. 11; <<http://www.state.hi.us/dlir/loihi/LFR/cst1998b.txt>>; and calculations by Hawaii State Department of Business, Economic Development & Tourism.

**Table 10.11-- MILITARY ACCESSIONS IN HAWAII, BY BRANCH OF SERVICE:
1978 TO 1997**

[In fiscal year October 1 to September 30. Includes prior service accessions]

Year	Total accessions	Army	Navy	Air Force	Marine Corps
1978	1,751	748	336	520	147
1979	1,648	660	334	482	172
1980	1,518	712	317	364	125
1981	1,451	603	317	427	104
1982	1,183	550	195	363	75
1983	1,098	563	154	313	68
1984	1,296	644	243	308	101
1985	1,268	597	250	349	72
1986	1,341	554	305	387	95
1987	1,125	497	272	268	88
1988	907	397	246	180	84
1989	833	387	201	145	100
1990	578	220	186	108	64
1991	455	158	126	110	61
1992	421	124	121	123	53
1993	394	137	113	114	30
1994	338	124	80	93	41
1995	347	135	112	78	22
1996	516	198	108	154	56
1997	733	293	146	224	70

Source: U.S. Department of Defense, Defense Manpower Data Center (DMDC), DMDC Data Archive Request <<http://www.dmdc.osd.mil/ids/archive/accesion.html>>, accessed August 3, 1999.

**Table 10.12-- MILITARY PRIME CONTRACT AWARDS, BY PROGRAM:
1994 TO 1998**

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

Procurement program 1/	1994	1995	1996	1997	1998
Total	803,297	673,640	928,480	957,353	889,607
Airframes and spares	-	-	39	581	877
Aircraft engines and spares	-	-	89	-	-
Other aircraft equipment	-	34	67	-	831
Missile and space systems	7,975	20,452	6,088	9,694	7,843
Ships	22,049	23,789	18,140	18,394	7,692
Non-combat vehicles	-	-	-	-	41
Ammunition	-	-	-	-	85
Electronics and communication equip.	25,855	26,485	30,838	36,222	38,840
Petroleum	26,056	34,574	33,633	47,883	44,523
Containers and hauling equipment	-	1,039	-	-	-
Textiles, clothing, and equipage	-	75	124	-	-
Building supplies	811	747	584	576	352
Subsistence	13,121	11,544	8,436	9,158	20,623
Production equipment	26	-	-	2/ 64	-
Construction	484,046	318,231	513,290	524,134	469,862
Construction equipment	-	-	-	124	1,990
Transportation equipment	-	-	-	1/ 2/ -	-
Medical and dental supplies and equip.	1,876	1,245	6,255	5,823	7,580
Photographic supplies and equipment	39	45	-	-	29
Materials handling equipment	-	-	2/ 1,629	8,089	411
All other supplies and equipment	23,891	34,841	55,974	40,487	32,747
Services	197,551	200,537	253,294	256,123	255,280

1/ Procurement programs with no expenditures for the 1994-98 period are: Combat vehicles, Weapons, Other fuels and lubricants and Transportation equipment.

2/ Revised.

Source: U.S. Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, *Prime Contract Awards by Region and State, Fiscal Years 1993, 1992, and 1991*, p. 29; and <<http://web1.whs.osd.mil/peidhome/geostats/P06/P6Hawaii.htm>>.

**Table 10.13-- ACREAGE OWNED OR CONTROLLED BY THE U.S.
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: *The Honolulu Advertiser*, November 16, 1992, p. A2.

**Table 10.14-- HOUSING UNITS OWNED BY THE ARMED FORCES, BY
SERVICE AND GEOGRAPHIC AREA: APRIL 1, 1995 TO 1998**

Geographic area	All services	Air Force	Army	Coast Guard	Marine Corps	Navy
1995						
State total	21,060	3,189	8,389	326	2,095	7,061
Oahu	20,971	3,189	8,386	309	2,095	6,992
Other islands	89	-	3	17	-	69
1996						
State total	20,824	2,675	8,641	316	2,095	7,097
Oahu	20,735	2,675	8,638	299	2,095	7,028
Other islands	89	-	3	17	-	69
1997						
State total	20,481	2,659	8,641	316	2,095	6,770
Oahu	20,392	2,659	8,638	299	2,095	6,701
Other islands	89	-	3	17	-	69
1998						
State total	20,616	2,659	8,847	342	2,041	6,727
Oahu	20,527	2,659	8,844	325	2,041	6,658
Other islands	89	-	3	17	-	69

Source: Hawaii State Department of Business, Economic Development & Tourism, *Statistical Report 230, Housing Unit Estimates for Hawaii, 1980-1995* (September 1996) and *Ibid.*, survey of local housing agencies.

**Table 10.15-- VETERAN STATUS OF CIVILIANS 16 YEARS AND OVER:
1970 TO 1997**

Veteran status	Civilian males		All civilians 1/				
	1970	1980	1980	1990	1994	1995	1997
Civilians 16 and over	223,573	316,651	665,036	801,517	(NA)	(NA)	(NA)
Veterans	89,098	98,633	103,774	119,256	116,000	116,000	114,000
War Veteran 2/	75,026	82,230	85,322	87,301	86,000	85,000	84,000
Persian Gulf War	-	-	-	-	5,000	6,000	8,000
Vietnam era	20,548	36,441	38,136	41,860	42,000	42,000	42,000
Korean conflict	20,006	21,860	22,351	22,362	21,000	20,000	19,000
World War II	34,486	31,170	32,156	32,551	28,000	27,000	24,000
World War I	2,501	824	854	132	(Z)	-	-
Peacetime only	14,072	16,403	18,452	31,955	30,000	31,000	30,000
Nonveterans	134,475	218,018	561,262	682,261	(NA)	(NA)	(NA)

Z Less than 500.

NA Not available.

1/ Not available for female civilians before 1980.

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

Source: U.S. Bureau of the Census, *1970 Census of Population, PC(1)-C13*, table 50; *1980 Census of Population, PC80-1-D13*, table 204; *1990 Census of Population, Social and Economic Characteristics, Hawaii, 1990 CP-2-13* (Sept. 1993), table 23; 1990 Census of Population tapes tabulated by Hawaii State Data Center; *Statistical Abstract of the United States: 1996*, p. 362; *Ibid.*, 1997, p. 365; *Ibid.*, 1998, p. 369; and calculations by Hawaii State Department of Business, Economic Development & Tourism.

**Table 10.16-- MILITARY PERSONNEL RECEIVING RETIRED PAY FROM
THE DEPARTMENT OF DEFENSE: SEPTEMBER 30, 1997 AND 1998**

Service	Number of personnel		Monthly payment 2/ (\$1,000)	Payment per person paid 2/ (dollars)
	Retired 1/	Paid by DOD		
1997				
Department of Defense	14,049	12,659	19,624	1,550
Army	5,619	4,972	7,006	1,409
Navy	3,934	3,561	5,818	1,634
Marine Corps	941	843	1,525	1,809
Air Force	3,555	3,283	5,275	1,607
Addendum 3/: Coast Guard	251	240	442	1,842
1998				
Department of Defense	14,237	12,823	20,169	1,573
Army	5,647	4,995	7,169	1,435
Navy	3,975	3,591	5,961	1,660
Marine Corps	978	881	1,610	1,827
Air Force	3,637	3,356	5,428	1,617
Addendum 3/: Coast Guard	245	236	446	1,890

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. Calculated by Hawaii State Department of Business, Economic Development & Tourism as Monthly Payment (in dollars) divided by Number Paid by DOD.

3/ Payments made by the U.S. Department of Transportation, shown for informational purposes only, and not included in the DOD totals.

Source: U.S. Department of Defense, Office of the Actuary, *FY 1997 DOD Statistical Report on the Military Retirement System* (1998), p. 20 and *ibid: FY 1998* (1999), p. 20.