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Section 10

NATIONAL DEFENSE

This section presents statistics relating to the armed forces and their family members, 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 U.S. DOD, U.S. Census Bureau, 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. *Historical Statistics of Hawaii*, Section 26, includes series on the armed forces dating back to 1795. Section 10 of the *Statistical Abstract of the United States: 2009* 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 2002**

[As of June 30, unless otherwise specified. 1950-1979 based on pre-service residence;
1980-1995 and 2002, on home of record]

Year	Number	Year	Number	Year	Number
1950	7,699	1968	22,433	1986	10,882
1951	10,958	1969	15,856	1987	10,896
1952	16,594	1970	15,331	1988	10,548
1953	16,217	1971	13,600	1989 1/	10,501
1954	16,189	1972	11,600	1990	10,052
1955	15,175	1973	10,200	1991	10,076
1956	15,243	1974	10,810	1992	8,432
1957	14,687	1975	10,640	1993	7,621
1958	13,310	1976	10,600	1994	5,098
1959	12,596	1977	10,640	1995 2/	4,237
1960 3/	12,662	1978	10,715	1996	(NA)
1961	11,340	1979 3/	11,069	1997	(NA)
1962	13,464	1980	11,851	1998	(NA)
1963	14,944	1981	11,927	1999	(NA)
1964	15,000	1982	11,926	2000	(NA)
1965	15,109	1983	11,641	2001	(NA)
1966	15,875	1984	11,466	2002 4/	3,970
1967	18,048	1985	10,827		

NA Not available.

1/ 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).

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

3/ As of March 31 or April 1.

4/ As of December 31.

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; 1970-2002 from U.S. Department of Defense, Defense Manpower Data Center, records.

**Table 10.02-- ACTIVE DUTY BY LEGAL RESIDENCE
AND SELECTED RESERVES BY HOME OF RECORD: 2002**

[As of December 31, 2002]

Category	Selected reserves by home of record		Active duty by legal residence	
	United States	Hawaii	United States	Hawaii
Total	876,527	9,108	1,399,751	3,970
American Indian/Alaska Native	8,275	52	15,795	13
Asian/Pacific Islander	26,640	5,639	56,667	2,630
Black	143,672	436	275,205	173
White	611,482	2,122	897,514	710
Hispanic	70,333	374	127,900	149
Other/unknown	16,125	485	26,670	295
Other	(NA)	(NA)	13,869	95
Unknown	(NA)	(NA)	12,801	200
Total	876,527	9,108	1,399,751	3,970
Female	151,656	1,656	210,085	592
Male	724,871	7,452	1,189,666	3,378

NA Not available.

Source: U.S. Department of Defense, Directorate of Information, Operations and Reports unpublished compilation, September 10, 2003 based on Defense Manpower Data Center unpublished data.

Table 10.03-- ACTIVE DUTY PERSONNEL, BY SERVICE: 1953 TO 2008

[As of June 30 for 1953 to 1956; as of September 30 for 1957 and thereafter. Excludes Coast Guard]

Year	Total 1/	Army	Navy	Marine Corps	Air Force	Year	Total 1/	Army	Navy	Marine Corps	Air Force
1953	24,785	5,872	7,657	6,040	5,216	1981	44,141	17,962	10,948	9,070	6,161
1954	23,654	7,957	6,443	4,155	5,099	1982	44,470	17,457	11,880	8,926	6,207
1955	40,258	19,821	5,211	9,677	5,549	1983	44,651	17,466	12,671	7,926	6,588
1956	37,470	16,531	5,237	9,490	6,212	1984	47,648	19,222	12,960	8,703	6,763
1957	40,683	17,511	5,466	9,608	8,098	1985	46,875	18,262	12,722	9,192	6,699
1958	35,076	14,672	4,908	8,670	6,826	1986	46,122	18,153	12,938	8,752	6,279
1959	36,310	15,438	5,309	8,470	7,093	1987	47,262	18,905	12,975	9,263	6,119
1960	35,412	15,492	5,687	7,756	6,477	1988	45,843	18,170	12,479	9,365	5,829
1961	39,474	16,945	5,774	9,679	7,076	1989	45,935	18,788	12,403	9,179	5,565
1962	41,657	17,645	6,664	9,903	7,445	1990	41,887	18,590	12,289	5,618	5,390
1963	40,610	16,589	6,545	9,950	7,526	1991	44,092	18,173	12,040	8,571	5,308
1964	45,046	18,566	6,777	10,613	9,090	1992	44,864	18,666	12,321	8,945	4,932
1965	41,984	20,006	6,700	6,154	9,124	1993	42,958	18,831	11,272	8,147	4,708
1966	30,136	8,712	6,251	4,485	10,688	1994	42,161	19,485	11,510	6,484	4,682
1967	34,338	10,923	7,041	5,277	11,097	1995	38,172	16,672	10,738	6,198	4,564
1968	42,332	10,871	14,961	5,509	10,991	1996	36,392	15,225	10,643	5,953	4,571
1969	43,018	12,918	12,652	6,361	11,087	1997	34,826	15,249	9,840	6,123	3,614
1970	38,397	9,639	11,996	7,189	9,573	1998	34,643	15,133	7,882	7,081	4,547
1971	34,515	9,738	10,392	5,319	9,066	1999	32,708	14,692	7,397	6,136	4,483
1972	39,150	13,093	10,752	6,803	8,502	2000	33,930	15,483	7,998	5,960	4,489
1973	43,809	17,336	10,729	7,695	8,049	2001	34,322	15,709	8,349	5,821	4,443
1974	42,204	17,581	10,072	7,192	7,359	2002	34,608	15,985	8,654	5,680	4,289
1975	43,071	17,312	10,852	8,403	6,504	2003	34,203	15,985	8,381	5,161	4,676
1976	43,903	18,037	10,531	9,174	6,161	2004	35,061	17,068	7,694	5,541	4,758
1977	42,835	17,476	9,647	9,783	5,929	2005	32,629	15,458	6,524	5,796	4,851
1978	43,907	18,711	10,458	8,796	5,942	2006	34,935	18,687	6,080	5,050	5,118
1979	45,408	17,446	10,562	11,397	6,003	2007	34,838	19,867	5,595	4,483	4,893
1980	43,313	17,118	10,976	9,277	5,942	2008	37,847	21,554	5,320	6,306	4,667

1/ Exclude personnel afloat or temporary shore-based, but include deployed for Operation Iraqi Freedom and Operation Enduring Freedom.

Source: U.S. Department of Defense, Defense Manpower Data Center, Statistical Information Analysis Division, Historical Military Personnel and Active Duty Military Personnel by Service by Region/Country, Total DOD - September 30 (annual)
 <<http://siadapp.dmdc.osd.mil/personnel/MILITARY/Miltop.htm>> accessed March 2, 2009.

**Table 10.04-- DEPARTMENT OF DEFENSE PERSONNEL
AND DEPENDENTS: 1989 TO 2008**

[As of September 30. Includes personnel performing civil functions, primarily those associated with the Army Corps of Engineers. Excludes Coast Guard]

Year	Total	Active-duty shore-based military personnel 1/	Dependents of active-duty military personnel 2/	Direct-hire civilian personnel
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
1999	100,084	32,708	51,063	16,313
2000	100,826	33,930	50,804	16,092
2001	98,895	34,322	48,617	15,956
2002	98,118	34,608	47,002	16,508
2003	96,925	34,203	46,120	16,602
2004	98,835	35,061	47,198	16,576
2005	102,200	32,629	53,264	16,307
2006	(NA)	34,935	(NA)	17,079
2007	(NA)	34,838	(NA)	16,403
2008	(NA)	37,847	(NA)	17,340

NA Not available.

1/ Excludes Navy personnel afloat or temporary shore-based, e.g., approximately 6,000 as of September 30, 2006. See elsewhere in Section 10 for personnel data which includes afloat Navy and Marine Corps.

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

Source: U.S. Department of Defense, Defense Manpower Data Center, Directorate for Information, Operations and Reports, Statistical Information Analysis Division, *Department of Defense Selected Manpower Statistics* (annual through 1996); *Worldwide Manpower Distribution by Geographical Area, September 30* (annual 1997 to 2005); *Distribution of Personnel by State and by Selected Locations, September 30* (annual) <<http://siadapp.dmdc.osd.mil/personnel/Pubs.htm>> accessed July 16, 2009; and *Active Duty Military Personnel by Service by Region/Country, Total - DOD September 30* (annual) <<http://siadapp.dmdc.osd.mil/personnel/MILITARY/Miltop.htm>> accessed March 2, 2009.

**Table 10.05-- DEPARTMENT OF DEFENSE PERSONNEL, BY SELECTED LOCATION:
SEPTEMBER 30, 2007**

Installation or geographic area	Total personnel	Military personnel 1/					Civilian personnel				
		Total	Army	Navy	Marines	Air Force	Total	Army 2/	Navy/ Marine	Air Force	Other defense agencies
Total	62,357	45,954	19,867	12,246	8,948	4,893	16,403	4,662	8,922	2,042	777
Aiea	284	188	-	184	-	4	96	-	93	-	3
Barbers Point NAS	126	42	3	38	-	1	84	3	33	22	26
Camp H.M. Smith	1,270	1,020	393	-	381	246	250	-	214	28	8
Ford Island	177	82	81	1	-	-	95	1	93	-	1
Fort Shafter	2,924	1,719	1,719	-	-	-	1,205	1,185	-	1	19
Hickam AFB	6,368	4,436	475	6	22	3,933	1,932	2	65	1,752	113
Honolulu	1,140	66	-	66	-	-	1,074	201	761	15	97
Kaneohe	10,487	9,897	-	1,466	8,429	2	590	-	525	-	65
Kauai Island	169	34	-	34	-	-	135	1	132	-	2
Kunia	1,977	1,857	-	1,265	69	523	120	39	79	2	-
Oahu Island	264	27	-	27	-	-	237	237	-	-	-
Pearl City	337	3	1	1	-	1	334	16	318	-	-
Pearl Harbor	11,289	8,964	109	8,799	46	10	2,325	3	2,078	-	244
Schofield Barracks	16,496	15,616	15,616	-	-	-	880	770	-	-	110
Tripler Army Med. Ctr.	3,069	1,427	1,420	4	-	3	1,642	1,637	5	-	-
Wahiawa	437	334	-	334	-	-	103	12	87	-	4
Wheeler AFB/Army Fld	743	163	-	-	-	163	580	398	-	97	85
Other	4,800	79	50	21	1	7	4,721	157	4,439	125	-

1/ Active duty. In some instances, the military departments, Army, Navy, and Air Force, report personnel by parent installation rather than their operating location. Navy/Marine Corps includes military shore-based personnel and temporary shore-based personnel and beginning with FY 2005 state locations also include those personnel in an afloat duty status. There are approximately 6,000 personnel afloat for Hawaii.

2/ Direct hire civilian personnel include employees involved in civil functions in the Army Corps of Engineers and cemeterial employees.

Source: U.S. Department of Defense, Defense Manpower Data Center, Statistical Information Analysis Division, Distribution of Personnel by State and by Selected Locations, September 30, 2007, "DoD Military and Civilian Personnel by State - September 30, 2007"

<<http://siadapp.dmdc.osd.mil/personnel/M02/fy07/07top.htm>> accessed December 29, 2008.

**Table 10.06-- DEPARTMENT OF DEFENSE SUMMARY OF PERSONNEL,
PAYROLLS, AND PRIME CONTRACT AWARDS: 2007**

[In persons and thousands of dollars. For fiscal year ending September 30]

Personnel or expenditure	Total	Army	Navy & Marine Corps	Air Force	Other defense activities
Total personnel 1/	61,136	30,576	19,221	10,562	777
Active duty military	33,737	19,928	8,702	5,107	-
Civilian	16,403	4,662	8,922	2,042	777
Reserve & National Guard	10,996	5,986	1,597	3,413	-
Total expenditures	6,477,347	2,635,366	2,246,539	1,257,793	337,650
Payroll outlays	4,245,375	1,926,300	1,304,261	959,266	55,548
Active duty military	2,582,361	1,412,261	460,527	709,573	-
Civilian	1,230,515	318,245	714,212	142,510	55,548
Reserve & National Guard	114,936	91,727	5,410	17,799	-
Retired military	317,563	104,067	124,112	89,384	-
Contracts 2/	2,158,038	661,531	922,285	297,625	276,597
Supply & equipment	379,521	67,204	73,006	27,424	211,887
RDT & E 3/	104,122	17,494	51,717	31,246	3,665
Service	1,260,315	390,381	573,698	235,191	61,045
Construction	414,080	186,452	223,864	3,764	-
Civil function			-	-	-
Grants	73,934	47,535	19,993	902	5,505

Top Ten Contractors receiving the largest dollar volume of prime contract awards

Contractor name	Amount	Contractor name	Amount
Shaw-Dick Pacific, LLC	175,984	Science Applications International	63,314
Tesoro Petroleum Corporation	136,595	Peter Kiewit Sons, Inc.	57,444
Nan. Inc.	109,040	Electronic Data Systems Corporation	43,456
BAE Systems PLC	94,162	Weeks Marine, Inc.	40,578
ITT Corporation	92,240	Hawaiian Electric Industries, Inc.	38,517

Continued on next page.

**Table 10.06-- DEPARTMENT OF DEFENSE SUMMARY OF PERSONNEL,
PAYROLLS, AND PRIME CONTRACT AWARDS: 2007 -- Con.**

Major locations of expenditures	Total	Payroll outlays	Grants and contracts
Hickam Air Force Base	969,817	687,070	282,747
Pearl Harbor	522,084	434,047	88,037
Honolulu	439,363	145,548	293,815
Schofield Barracks	240,793	55,246	185,547
Tripler Army Medical Center	222,649	99,102	123,547
Kaneohe	204,798	202,746	2,052
Wahiawa Naval Comm	188,644	-	188,644
Aiea	172,763	29,540	143,223
Fort Shafter	169,961	100,284	69,677
Pearl Harbor Naval Shipyard	159,552	-	159,552
Major locations of personnel 1/	Total military & civilian	Active duty military	Civilian
Hickam Air Force Base	5,916	3,984	1,932
Kaneohe	4,860	4,270	590
Pearl Harbor	4,741	2,416	2,325
Tripler Army Medical Center	1,649	7	1,642
Kunia	1,556	1,436	120
Fort Shafter	1,205	-	1,205
Honolulu	1,153	79	1,074
Camp H.M. Smith	1,014	764	250
Schofield Barracks	880	-	880
Wheeler AFB/Army Field	743	163	580

1/ Beginning with FY 2005, afloat Navy and Marine Corps are included in personnel counts.

2/ Prime contracts are generally reported at the location where the work is performed.

Use of prime contract data is not a means of measuring the total volume of defense work performed within a state, as a substantial amount of the work may be subcontracted. Prior to FY 2005, procurement data were only reported for contract awards exceeding \$25,000. As of FY 2005, all awards are included. As of FY 2007, DOD transitioned from the Defense Contract Action Data System (DCADS) used for FY 2006 and prior contract data, to the Federal Procurement Data System - Next Generation (FPDS – NG), which was used to obtain contract data from FY07 onward. Discrete reporting of Civil Functions contracts has been discontinued because these contracts are no longer identified in FPDS – NG as a separate contract type.

3/ RDT&E Research, Development, Test, and Evaluation.

Source: U.S. Department of Defense, Defense Manpower Data Center, Directorate for Information, Operations and Reports, Statistical Information Analysis Division, *Atlas/Data Abstract for the United States and Selected Areas: Fiscal Year 2007*

<<http://siadapp.dmdc.osd.mil/personnel/L03/fy07/07top.htm>> accessed June 5, 2009.

**Table 10.07-- DEPARTMENT OF DEFENSE SUMMARY OF PERSONNEL,
PAYROLLS, AND PRIME CONTRACT AWARDS: 2008**

[In persons and thousands of dollars. For fiscal year ending September 30]

Personnel or expenditure	Total	Army	Navy & Marine Corps	Air Force	Other defense activities
Total personnel 1/	67,916	32,733	23,879	10,311	993
Active duty military	39,770	21,725	13,175	4,870	-
Civilian	17,340	5,053	9,225	2,069	993
Reserve & National Guard	10,806	5,955	1,479	3,372	-
Total expenditures	6,803,856	2,861,429	2,541,050	967,588	433,789
Payroll outlays	4,488,255	2,126,343	1,626,651	664,753	70,508
Active duty military	2,715,315	1,571,587	739,742	403,986	-
Civilian	1,309,241	335,686	753,525	149,522	70,508
Reserve & National Guard	136,373	112,820	4,880	18,673	-
Retired military	327,326	106,250	128,504	92,572	-
Contracts 2/	2,258,591	702,826	900,974	301,655	353,136
Supply & equipment	437,344	76,337	63,662	29,007	268,338
RDT & E 3/	67,840	2,332	37,874	22,908	4,726
Service	1,222,919	421,084	473,462	248,301	80,072
Construction	530,488	203,073	325,976	1,439	-
Grants	57,010	32,260	13,425	1,180	10,145

Top Ten Contractors receiving the largest dollar volume of prime contract awards

Contractor name	Amount	Contractor name	Amount
Tesoro Petroleum Corporation	200,868	Absher Construction Co.	73,268
Shaw-Dick Pacific, LLC	145,253	Nan. Inc.	67,817
Watts Constructors, LLC	117,169	Hawaiian Electric Industries, Inc.	57,670
BAE Systems PLC	111,960	ITT Corporation	56,520
Science Applications International	82,355	J & J Maintenance, Inc.	38,996

Continued on next page.

**Table 10.07-- DEPARTMENT OF DEFENSE SUMMARY OF PERSONNEL,
PAYROLLS, AND PRIME CONTRACT AWARDS: 2008 -- Con.**

Major locations of expenditures	Total	Payroll outlays	Grants and contracts
Hickam Air Force Base	701,149	458,824	242,325
Pearl Harbor	660,562	602,250	58,312
Fort Kamehameha Military	464,750	-	464,750
Honolulu	370,067	143,282	226,785
Schofield Barracks	302,191	59,888	242,303
Kaneohe	294,845	294,510	335
Tripler Army Medical Center	238,122	110,060	128,062
Fort Shafter	197,435	104,144	93,291
Wahiawa Naval Comm	156,739	-	156,739
Pearl Harbor Naval Shipyard	152,266	-	152,266
Major locations of personnel 1/	Total military & civilian	Active duty military	Civilian
Kaneohe	6,868	6,257	611
Pearl Harbor	6,421	3,764	2,657
Hickam Air Force Base	5,732	3,771	1,961
Kunia	2,149	2,030	119
Tripler Army Medical Center	1,848	13	1,835
Fort Shafter	1,197	-	1,197
Camp H.M. Smith	1,188	875	313
Honolulu	1,127	107	1,020
Schofield Barracks	1,047	-	1,047
Wheeler AFB/Army Field	719	152	567

1/ Beginning with FY 2005, afloat Navy and Marine Corps are included in personnel counts.

2/ Prime contracts are generally reported at the location where the work is performed.

Use of prime contract data is not a means of measuring the total volume of defense work performed within a state, as a substantial amount of the work may be subcontracted. Prior to FY 2005, procurement data were only reported for contract awards exceeding \$25,000. As of FY 2005, all awards are included. As of FY 2007, DOD transitioned from the Defense Contract Action Data System (DCADS) used for FY 2006 and prior contract data, to the Federal Procurement Data System - Next Generation (FPDS – NG), which was used to obtain contract data from FY07 onward. Discrete reporting of Civil Functions contracts has been discontinued because these contracts are no longer identified in FPDS – NG as a separate contract type.

3/ RDT&E Research, Development, Test, and Evaluation.

Source: U.S. Department of Defense, Defense Manpower Data Center, Directorate for Information, Operations and Reports, Statistical Information Analysis Division, *Atlas/Data Abstract for the United States and Selected Areas: Fiscal Year 2008*

<<http://siadapp.dmdc.osd.mil/personnel/L03/fy08/08top.htm>> accessed June 29, 2009.

**Table 10.08-- DEFENSE-RELATED APPROPRIATIONS BILL
HAWAII-RELATED INITIATIVES: 2008**

[In millions of dollars. For fiscal year ending September 30. The Bill was signed into law
(Public Law 110-116) by President George W. Bush on November 13, 2007]

Subject	Amount
Total	208.00
Oahu/Statewide	80.10
Hawaii Tech. Dev. Venture - commercialization of defense & homeland security tech. & provides an opp't'y for companies in Hawaii to develop adv. tech. for national defense	10.00
Center of Excellence for Research in Ocean Studies (CEROS)	10.00
Electrical distribution upgrade at Hickam Air Force Base	7.00
Intelligent Decision Exploration (INDEX) - enhance force protection during coalition ops.	5.50
Hawaii Undersea Chemical Weapons Assessment Program	5.50
Defense dependents education support and school repairs	5.50
Low-Earth Orbit Nanosatellite Integrated Defense Autonomous System (LEONIDAS)	4.00
Army conservation and ecosystem management	3.50
Theater Undersea Warfare Initiative (TUSW)	3.20
Warfighter rapid awareness processing technology	3.00
Military applications of medical grade Chitosan	3.00
Hawaii National Guard Counterdrug Program	3.00
Brown Tree Snake control	2.00
Foliage Penetrating Reconnaissance and Surveillance System	2.00
Corrosion Prevention and Control Program - Marine Corps	1.80
Army National Guard	1.80
Army Reserve	1.80
Rescue streamer distress signal kits	1.50
Virtual onboard analyst for multi-sensor mine detection	1.00
Marine Air-Ground Task Force situational awareness	1.00
Info Sharing for Intel., Surveil., Recon., Targeting & Engagement (ISRTE) mobile targets	1.00
Immersive Group Simulation Virtual Training System	1.00
Autonomous unmanned surface vessel	1.00
Advanced detection of explosives	1.00
Maui	68.70
Maui Space Surveillance System (MSSS) - oper. satellite tracking fac. with R&D activ.	23.00
PanSTARRS - continue dev. of large aperture telescopes with different sensors	9.00
Applications of LIDAR to Vehicles with Analysis (ALVA)	8.40
Pacific-Based Joint Information Technology Center	6.50
High Accuracy Network Determination System (HANDS)	5.20
Pacific Disaster Center - supp. emergency mgt. activities in Pacific & Indian Oceans	6.00
Maui High Performance Computing Center (MHPCC)	5.00
Multi-mission Deployable Optical System	4.00
Real-time optical surveillance applications	1.60

Continued on next page.

**Table 10.08-- DEFENSE-RELATED APPROPRIATIONS BILL
HAWAII-RELATED INITIATIVES: 2008 -- Con.**

Subject	Amount
Kauai	34.20
Pacific airborne surveillance and testing	15.00
Strategic materials and silicon carbide optics	5.00
Mobile Modular Command Center (M2C2)	3.20
Flood Control at Pacific Missile Range Facility (PMRF)	3.00
Multi-Target-Tracking Optical Sensor Array Technology (MOST)	3.00
Pacific Region interoperability test and evaluation capability	3.00
PMRF Force Protection Laboratory	2.00
Health: AKAMAI II, Telemed. & Tech. Initiative to improve access & quality of care	25.00
Vascular graft development on elastin biomatrices	4.25
Hyperspectral diagnostic imaging	3.25
Continue development of nanotechnology	1.90
Advance development of materials and technologies for tissue replacement, etc.	2.75
Support dev. of functional infrared brain sensing to aid crew life support, etc.	1.90
Continue dev. of improved clinical info sys. & processing to enhance patient safety	1.90
Estab. congest. heart failure clinic & regenerative med. research w/Tripler Army Med. Center (TAMC), Univ. of Hawaii John A. Burns Sch. of Medicine, & St. Francis Hosp.	2.25
Support dev. of research w/TAMC & Burns Sch. of Med. in trop.med. & infec. diseases	2.00
Pursue the optimization of small molecule anthrax lethal factor inhibitors, etc.	1.90
Continue Triple Helix (academic, government & industry) partnership approach, etc.	0.90
Dev. & integrate adv. health care tech. for military, veteran & civilian communities	0.50
Continue dev. of effective preventive chronic disease mgt care at home, etc.	0.50
Continue studies using imaging & virtual reality in diagnosing & treating post-traumatic stress disorder & other behavioral health problems in active duty and veteran patients	0.50
Dev. proc. for detecting chem., biol., radiological, & nuclear agents using radio freq. etc.	0.50
Provisions included elsewhere in the Bill give U.S. Navy discretion to transfer funds from its approx. \$33.1 billion oper. & maintenance budget to the Dept.of the Interior to help the nationwide effort to rebuild the Pearl Harbor Memorial Museum & Visitors Center	20.00
Competitive opportunities for Hawaii-based org. & companies in defense-related grants	306.00
Test and training range upgrades	136.00
Alternative energy research	52.00
Environmental restoration	35.00
University research	24.00
Readiness and environmental protection initiative	16.00
Regional Centers for Security Studies	16.00
Rpace situational awareness research	15.00
Command and control upgrades for U.S. Army, Pacific	12.00

Source: U.S. Senator Daniel K. Inouye Press Release "\$208 Million for Defense-Related Projects in Hawaii Clear Final Congressional Hurdle, Await Enactment into Law" (November 9, 2007) <<http://inouye.senate.gov/~inouye/07pr/20071109pr01.html>> accessed November 30, 2007.

Table 10.09-- MILITARY CONSTRUCTION APPROPRIATIONS BILL: 2010

[For fiscal year ending September 30. As approved by the U.S. Senate Appropriations Committee on July 7, 2009]

Subject	Amount (1,000's)
Construction projects in Hawaii	329,610
Air Force	15,910
C-17 Kona short auxiliary airfield (planning and design)	910
Wheeler Air Force Base - construct ASOC complex	15,000
Army	191,500
Schofield Barracks:	184,000
Vehicle maintenance shops 1/	99,000
Warrior in Transition barracks 2/	55,000
Warrior in Transition complex 2/	30,000
Wheeler Air Force Base - Regional SATCOM Information Center	7,500
Navy	79,567
Oahu - Range, 1000 – Puuloa	5,380
Pearl Harbor	74,187
Productive services support facility	30,360
APCSS Conference & Technology Learning Center	12,775
Missile magazines (5), West Loch	22,407
PACFLT Sub Drive-In MAG Silencing FAC	8,645
Air National Guard at Hickam Air Force Base	33,000
TFI – F-22 Low-Observable/Composite repair facility	26,000
TFI – F-22 parking apron and taxiways	7,000
Defense Information Systems Agency	9,633
Ford Island - Pacific operations facility upgrade	9,633

1/ One budgeted at \$36 million and a second at \$63 million.

2/ The Warrior in Transition Units help soldiers whose injuries or illnesses require complex medical care, and help them recover and return to duty or make the transition to civilian life. They include Soldier and Family Assistance Centers, and provide services, from assistance with ID cards to education and information on insurance and VA benefits.

Source: U.S. Senator Daniel K. Inouye News Release "Senate Appropriations Panel Approves \$329 Million For Military Construction Projects In Hawaii" (July 9, 2009)
<<http://inouye.senate.gov/Press/upload/070909-FY10-MilCon-Markup-Release.pdf>> accessed July 10, 2009.

Table 10.10-- DEPARTMENT OF DEFENSE MILITARY PERSONNEL AND DEPENDENTS, BY SERVICE: 2004 TO 2008

[As of September 30]

Category	All services	Army	Navy	Marine Corps	Air Force
2004					
Total military and dependents	82,259	39,375	18,845	12,028	12,011
Military personnel 1/	35,061	17,068	7,694	5,541	4,758
Family members 2/	47,198	22,307	11,151	6,487	7,253
Command-sponsored	44,321	22,307	10,357	4,514	7,143
Non-command-sponsored	2,877	-	794	1,973	110
2005					
Total military and dependents	85,893	38,596	16,815	17,231	13,251
Military personnel 1/	32,629	15,458	6,524	5,796	4,851
Family members 2/	53,264	23,138	10,291	11,435	8,400
Command-sponsored	47,888	23,138	10,075	7,480	7,195
Non-command-sponsored	5,376	-	216	3,955	1,205
2006 3/					
Military personnel 1/	34,935	18,687	6,080	5,050	5,118
2007 3/					
Military personnel 1/	34,838	19,867	5,595	4,483	4,893
2008 3/					
Military personnel 1/	37,847	21,554	5,320	6,306	4,667

1/ Active duty. Excludes Coast Guard and personnel afloat or temporary shore-based. See elsewhere in Section 10 for personnel data which includes afloat Navy and Marine Corps.

2/ Dependents of active-duty military personnel. Command-sponsorship depends upon whether the family member resides with the member at the duty station, whether the accompanied tour is authorized and meets criteria for funded travel and station allowance.

3/ The DOD report containing number of dependents has not been released beyond FY 2005. Estimates of military dependents by other sources are available in Section 1.

Source: U.S. Department of Defense, Defense Manpower Data Center, Directorate for Information, Operations and Reports, Statistical Information Analysis Division, *Worldwide Manpower Distribution by Geographical Area, September 30* (annual through 2005) <<http://siadapp.dior.whs.mil/personnel/Pubs.htm>> accessed May 31, 2006; and *Active Duty Military Personnel by Service by Region/Country, Total - DOD September 30* (annual) <<http://siadapp.dmdc.osd.mil/personnel/MILITARY/Miltop.htm>> accessed June 29, 2009.

**Table 10.11-- DEPARTMENT OF DEFENSE CIVILIAN PERSONNEL,
BY SERVICE: 1982 TO 2008**

[As of September 30. Includes personnel performing military functions, those activities associated with the uniformed services. Personnel are U.S. citizens and are direct-hires unless otherwise noted. Excludes civilian personnel of the Coast Guard]

Year	All services	Army	Navy & Marine Corps	Air Force	Other defense activities
1982	20,090	4,529	12,812	2,642	107
1983	20,244	4,575	12,969	2,595	105
1984	20,800	4,861	13,223	2,605	111
1985	21,259	5,300	13,213	2,626	120
1986	20,753	5,426	12,666	2,526	135
1987	20,682	5,458	12,601	2,501	122
1988	20,557	5,296	12,824	2,317	120
1989	20,246	5,342	12,405	2,378	121
1990	19,857	5,548	11,951	2,244	114
1991	18,978	5,148	11,423	2,199	208
1992	17,893	4,933	10,886	1,431	643
1993	17,341	4,839	10,198	1,398	906
1994	17,038	4,647	9,923	1,371	1,097
1995	17,179	4,820	10,014	1,323	1,022
1996	16,824	4,936	9,564	1,275	1,049
1997	17,216	4,779	9,361	1,951	1,125
1998	16,028	4,437	9,237	1,269	1,085
1999	16,318	4,293	8,864	2,026	1,135
2000	16,723	4,471	8,999	2,074	1,179
2001	16,699	4,455	9,068	2,098	1,078
2002	16,508	4,441	8,925	2,075	1,067
2003	16,602	4,304	9,293	1,961	1,044
2004	16,576	4,302	9,230	1,966	1,078
2005	16,307	4,320	9,075	1,980	932
2006	17,079	4,750	9,130	2,109	1,090
2007	16,403	4,662	8,922	2,042	777
2008	17,340	5,053	9,225	2,069	993

Source: U.S. Department of Defense, Defense Manpower Data Center, Statistical Information Analysis Division (formerly the Directorate for Information Operations and Reports), *Atlas/Data Abstract for the US and Selected Areas* (annual) accessed June 29, 2009; *Worldwide Manpower Distribution by Geographical Area* (annual) <<http://siadapp.dior.whs.mil/personnel/MMIDHOME.HTM>> accessed June 22, 2006; and *Distribution of Personnel by State and by Selected Locations, September 30, 2006* <<http://siadapp.dmdc.osd.mil/personnel/Pubs.htm>> accessed June 3, 2008.

**Table 10.12 -- DIRECT AND INDIRECT IMPACT OF A \$1 BILLION
MILITARY EXPENDITURE**

[Based on inter-industry relationships in 2002. Multipliers updated for 2005. Industries sorted
for greatest output impact]

Industry sector	Output (in millions of dollars)	Earnings (in millions of dollars)	Jobs (number)
Total	1,487.0	938.0	13,492
Federal military and civilian gov't	777.6	713.1	7,815
Real estate and rentals	148.5	9.2	364
Health services	89.5	43.6	921
Retail trade	57.9	21.6	754
Mining and construction	55.0	20.3	337
Professional services	50.8	25.8	459
Finance and insurance	46.2	13.5	258
Other manufacturing	39.3	7.0	92
Business services	33.2	18.5	516
Other services	31.6	13.0	542
Transportation	25.0	6.8	137
Eating and drinking	24.6	8.3	389
Wholesale trade	24.0	8.6	171
Information	23.4	7.1	119
Utilities	20.7	3.1	28
Educational services	11.3	6.0	189
Food processing	8.4	1.7	52
State and local Government	6.1	4.8	86
Agriculture	5.0	1.9	101
Arts and entertainment	5.0	2.5	134
Accommodation	3.9	1.5	29

Source: Hawaii State Department of Business, Economic Development & Tourism, *The 2005 State Input-Output Study for Hawaii* (August 2008)
<http://hawaii.gov/dbedt/info/economic/data_reports/2005_state_io/> accessed November 24, 2008
and records.

**Table 10.13-- FEDERAL EXPENDITURES FOR ARMY AND AIR
NATIONAL GUARD: 2006 AND 2007**

[In dollars. For fiscal year ending September 30. The 2005 report is forthcoming]

Category	2006	2007
Total Federal support for Army National Guard	84,376,622	1/ 89,449,196
Total funds provided by National Guard Bureau (Army) (AGR pay)	14,739,967	15,078,986
Total funds allotted to U.S. Property & Fiscal Office for Hawaii	69,636,655	1/ 75,808,034
National Guard personnel appropriations - Army	21,740,478	28,524,382
Military pay, transportation, and travel	21,181,162	27,673,162
Military uniform	363,820	375,820
Subsistence	195,496	475,400
Oper. and maint., military constr. approp. - Army	45,927,177	45,316,652
Civilian pay	17,791,650	21,353,257
Transportation and travel - personnel	230,468	697,543
Equipment, supplies, and services	10,093,666	14,027,400
Ground operations	2,274,972	4,276,400
Air operations	629,866	942,300
Other operating supplies and services	7,188,828	8,808,700
Construction, repairs and utilities	17,811,393	9,238,452
Armory construction	746,129	-
Architectural and engineering services	-	-
Non-armory construction	5,961,497	-
Maintenance, repairs and environmental	10,072,469	8,207,154
Utilities	1,031,298	1,031,298
Funded directly by National Guard Bureau (Army)	1,969,000	1,967,000
Oper. & maint. def. approp.-Army Youth CHalleNGe	1,969,000	1,967,000
Total Federal support for Air National Guard	1/ 169,480,490	178,647,832
Total funds allotted to U.S. Property & Fiscal Office for Hawaii	1/ 134,749,157	131,575,311
National Guard personnel appropriations - Air	2,506,398	2,483,032
Deployments, transportation and travel	2,134,587	1,939,520
Military uniform	251,800	305,958
Subsistence	120,011	237,554
Oper. and maint., military constr. approp. - Air	132,243,259	129,092,279
Civilian pay	58,319,927	61,677,153
Transportation and travel	3,963,991	3,836,701
Personnel/deployments	3,762,707	2,808,349
Equipment and supplies	201,284	1,028,352
Equipment, supplies and services	67,717,286	61,441,623
Equipment	954,087	992,703
Supplies	4,446,723	4,858,751
Depot level repairables	27,981,874	27,581,391
Aviation fuel	27,876,326	24,718,643
Other operating supplies and services	6,458,276	3,290,135

Continued on next page.

**Table 10.13-- FEDERAL EXPENDITURES FOR ARMY AND AIR
NATIONAL GUARD: 2006 AND 2007 -- Con.**

Category	2006	2007
Oper. and maint., military constr. approp. - Air --Con.		
Construction, repair and utilities	2,242,055	2,136,802
Architectural and engineering services	310,228	-
Minor construction/major repairs	13,967	-
Operations and maintenance agreements	1,917,860	2,136,802
Funded directly by National Guard Bureau (Air)	34,731,333	1/ 47,072,521
Annual training pay	3,235,440	5,003,502
Other active duty pay	2,070,682	8,652,389
Inactive duty training pay	7,376,803	10,358,999
Basic training pay	258,835	724,999
Active Guard Reserve pay	21,789,573	1/ 22,332,632

1/ Components do not sum to published total. Resolution underway.

Source: Hawaii Department of Defense, *Annual Report Fiscal Year* (annual) and records. See also
<<http://www.dod.state.hi.us/dod>>.

Table 10.14-- ARMY AND AIR NATIONAL GUARD STRENGTH, 1980 TO 2007

[Strength as of September 30 for 1980 through 2002 and June 30 for 2003 and beyond]

Year	Actual strength			Authorized strength		
	Total	Army National Guard	Air National Guard	Total	Army National Guard	Air National Guard
1980	5,378	3,468	1,910	6,090	4,053	2,037
1981	5,338	3,395	1,943	6,216	4,181	2,035
1982	5,720	3,698	2,022	6,238	4,201	2,037
1983	5,799	3,768	2,031	6,127	4,012	2,115
1984	5,866	3,793	2,073	6,207	3,992	2,215
1985	6,096	3,869	2,227	6,227	4,005	2,222
1986	5,882	3,685	2,197	6,250	4,016	2,234
1987	5,848	3,654	2,194	6,517	4,237	2,280
1988	5,832	3,658	2,174	6,461	4,160	2,301
1989	5,810	3,641	2,169	6,505	4,154	2,351
1990	5,702	3,579	2,123	6,469	4,237	2,232
1991	5,635	3,547	2,088	6,473	4,252	2,221
1992	5,665	3,500	2,165	6,480	4,258	2,222
1993	5,689	3,430	2,259	6,490	4,056	2,434
1994	5,689	3,430	2,259	6,490	4,056	2,434
1995	6,078	3,744	2,334	7,061	4,462	2,599
1996	5,381	2,995	2,386	6,025	3,564	2,461
1997	5,511	3,120	2,391	6,047	3,543	2,504
1998	5,475	3,053	2,422	6,047	3,543	2,504
1999	5,475	3,053	2,422	6,047	3,543	2,504
Year	Total assigned strength		Army National Guard	Air National Guard		
2000	5,415		3,010	2,405		
2001	5,383		2,978	2,405		
2002	5,334		2,914	2,420		
2003	5,233		3,009	2,224		
2004	5,233		3,009	2,224		
2005 1/	2/ 5,243		(NA)	(NA)		
2006 3/	5,300		3,000	2,300		
2007	4/ 4,970		2,680	2,290		

NA Not available.

1/ The 2005 report is forthcoming.

2/ Drill-status Army and Air National Guard members.

3/ Counts approximate.

4/ For FY 2007, the drill-status estimate is 3,540+.

Source: Hawaii State Department of Defense, *Annual Report Fiscal Year* (annual), *Annual Report for Fiscal Year* (beginning 2004) <<http://www.dod.state.hi.us/annual.html>> accessed July 10, 2007; and records.

**Table 10.15-- CIVILIAN EMPLOYMENT IN THE FEDERAL GOVERNMENT,
DEPARTMENT OF DEFENSE, AND PEARL HARBOR NAVAL SHIPYARD:
ANNUAL AVERAGE, 1990 TO 2008**

[According to the North American Industrial Classification System (NAICS) adopted in 1997]

Year	Federal Government	Department of Defense	Naval Shipyard
1990	34,200	19,400	(1/)
1991	33,900	18,800	(1/)
1992	33,300	18,100	(1/)
1993	31,800	17,400	(1/)
1994	31,300	16,900	(1/)
1995	31,100	16,800	(1/)
1996	31,100	16,800	(1/)
1997	30,700	17,300	(1/)
1998	30,400	16,900	(1/)
1999	30,300	16,600	(1/)
2000	31,000	16,400	(1/)
2001	30,100	16,500	4,700
2002	30,650	16,700	4,950
2003	31,650	16,650	4,750
2004	31,450	16,600	4,250
2005	31,300	16,350	4,150
2006	31,850	16,650	4,200
2007	31,650	16,350	4,000
2008	32,100	16,500	4,100

1/ New series in 2001. NAICS series data are not available previously.

Source: Hawaii State Department of Labor and Industrial Relations, "State of Hawaii Not Seasonally Adjusted Jobcount By Detailed Industry"

<https://www.hiwi.org/admin/uploadedPublications/524_CESST90S.PDF> and

<http://www.hiwi.org/admin/uploadedPublications/525_CESST00S.PDF> accessed January 27, 2009.

Table 10.16-- SELECTIVE SERVICE REGISTRATION FOR THE UNITED STATES AND HAWAII: 2002 TO 2008

[As of September 30]

Subject	Registrants 1/	
	United States 2/	Hawaii
2002		
Draft eligible registrants, born 1977-1982	11,052,970	43,837
Born 1983-1984	2,716,171	10,589
Born 1977-1984	13,769,141	54,426
2003		
Draft eligible registrants, born 1977-1982	11,454,033	46,994
Born 1983-1984	2,824,003	10,281
Born 1977-1984	14,278,036	57,275
2004		
Draft eligible registrants, born 1979-1984	11,889,604	49,271
Born 1985-1986	2,931,681	10,052
Born 1979-1986	14,821,285	59,323
2005		
Draft eligible registrants, born 1980-1985	12,162,580	50,381
Born 1986-1987	2,942,042	9,734
Born 1980-1987	15,104,622	60,115
2006		
Draft eligible registrants, born 1981-1986	10,326,013	43,579
Born 1987-1988	4,960,184	17,188
Born 1981-1988	15,286,197	60,767
2007		
Entire registrant group, 18 - 25 years old, born 1982-1989	15,247,514	59,742
Draft eligible men, 20 - 25 years old, born 1982 - 1987	12,380,004	50,229
2008		
Entire registrant group, 18 - 25 years old, born 1982-1989	15,247,514	59,742
Draft eligible men, 20 - 25 years old, born 1982 - 1987	12,380,004	50,229

1/ Almost all male U.S. citizens regardless of where they live, and male immigrant aliens residing in the U.S., are required to be registered with Selective Service if they are at least 18 years old but are not yet 26 years old. They are required to register within 30 days of turning 18.

2/ Including the District of Columbia, Northern Mariana Islands, Virgin Islands, Puerto Rico, Guam, and foreign.

Source: Selective Service System, *Annual Report to Congress for the Fiscal Year* (annual)
 <<http://www.sss.gov/PUBLIC.HTM>> accessed June 17, 2009.

**Table 10.17-- MILITARY PRIME CONTRACT AWARDS,
BY PROGRAM: 2004 TO 2008**

[In thousands of dollars. Fiscal years ending September 30]

Procurement program	2004	2005	2006	2007 1/	2008 1/
Total	1,713,892	1,990,796	1,963,465	2,158,038	2,258,591
Aircraft engines & spares	-	502	5	(NA)	(NA)
Airframes & spares	6,314	50,638	3,316	(NA)	(NA)
All other supplies & equipment	90,707	118,208	162,089	(NA)	(NA)
Ammunition	2	-	10	(NA)	(NA)
Building supplies	58	38	48	(NA)	(NA)
Combat vehicles	650	86	-	(NA)	(NA)
Construction	531,044	524,526	537,211	(NA)	(NA)
Construction equipment	-12	194	18	(NA)	(NA)
Containers and handling equip.	-	1	20	(NA)	(NA)
Electronics & communication equip.	52,447	40,540	53,140	(NA)	(NA)
Materials handling equipment	1,911	17	170	(NA)	(NA)
Medical & dental supplies & equip.	221,161	289,584	68,485	(NA)	(NA)
Missile & space systems	38,425	57,273	5,498	(NA)	(NA)
Non-combat vehicles	414	168	191	(NA)	(NA)
Other aircraft equipment	5,311	1,495	1,191	(NA)	(NA)
Other fuels and lubricants	101	49	1,056	(NA)	(NA)
Petroleum	97,944	136,343	300,615	(NA)	(NA)
Photographic supplies & equip.	191	190	239	(NA)	(NA)
Production equipment	599	94	467	(NA)	(NA)
Services	553,779	627,146	708,590	(NA)	(NA)
Ships	96,229	85,705	71,235	(NA)	(NA)
Subsistence	16,370	48,904	40,678	(NA)	(NA)
Textiles, clothing, & equipage	162	-	32	(NA)	(NA)
Transportation equipment	83	7	-	(NA)	(NA)
Weapons	-	9,086	9,162	(NA)	(NA)

NA Not available.

1/ 2007 has been revised from previous *Data Book* reflecting a change in DOD data availability. The 2 procurement web sites below are no longer the home for the collection, correction, and reporting of DoD procurement information. The data on those sites are static data and reflect how the data were originally collected through FY2006. All the data contained on those sites were migrated to the Federal Procurement Data System Next Generation (FPDS-NG) which is now the official web site <<https://www.fpds.gov>> for all federal procurement data and reports. USASpending.gov at <http://www.usaspending.gov> also contains current DoD procurement data. Future *Data Book* updates are expected to be based on those data/sites.

Source: U.S. Department of Defense, Defense Management Data Center, Statistical Information Analysis Division, Geographic Statistics, Prime Contract Awards by State, Awards - State & Major Procurement Program <http://siadapp.dmdc.osd.mil/procurement/historical_reports/geographic/geostat.html> accessed February 22, 2007; Procurement Statistics, Special Tabulation 25 - summary of prime contract awards (ST25) <http://siadapp.dmdc.osd.mil/procurement/historical_reports/statistics/procstat.html> accessed February 26, 2008; and *Atlas/Data Abstract for the United States and Selected Areas: Fiscal Year* (annual) <<http://siadapp.dmdc.osd.mil/personnel/Pubs.htm>> accessed June 29, 2009.

**Table 10.18-- DEPARTMENT OF DEFENSE PRIME CONTRACTS, BY
BRANCH: 1981 TO 2008**

[In thousands of dollars. For fiscal year ending September 30. Use of prime contract data is not a means of measuring the total volume of defense work performed within a state, as a substantial amount of the work may be subcontracted. Prior to FY 2001, \$25,000 was the reporting minimum, between FY 2001 and FY 2004 reporting contracts less than \$25,000 was optional, and beginning with FY 2005, all contact actions were included]

Year	Total	Army 1/	Navy & Marine Corps	Air Force	Other defense activities 2/
1981	575,776	150,902	137,565	28,328	258,981
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
1986	562,843	147,587	160,701	46,484	208,071
1987	461,449	147,561	230,473	61,466	21,949
1988	540,991	156,631	190,418	99,405	94,537
1989	578,733	193,210	258,693	75,489	51,341
1990	511,893	119,568	195,380	83,827	113,118
1991	697,127	218,607	250,164	158,866	69,490
1992	622,728	173,655	282,644	76,366	90,063
1993	631,021	244,275	237,579	59,948	89,219
1994	803,297	263,183	425,998	68,291	45,825
1995	673,640	227,674	308,584	84,201	53,181
1996	928,480	223,284	519,813	106,939	78,444
1997	957,353	248,629	533,037	93,845	81,841
1998	889,607	234,446	456,876	99,963	98,322
1999	984,848	231,622	569,599	92,311	91,316
2000 3/	1,159,581	243,813	618,071	168,588	129,109
2001 3/	1,307,383	384,619	675,946	93,020	153,798
2002 3/	1,433,119	347,103	771,035	156,326	158,655
2003 3/	1,807,956	395,469	713,600	253,196	445,691
2004 3/	1,713,912	529,637	584,645	223,409	376,221
2005 3/	1,990,800	521,088	556,983	380,826	531,903
2006 3/	1,963,468	602,984	537,101	344,092	479,291
2007 3/	2,158,038	661,531	922,285	297,625	276,597
2008	2,258,591	702,826	900,974	301,655	353,136

1/ Includes U.S. Army Corps of Engineers.

2/ Includes Defense Logistics Agency (DLA) and other defense agencies (ODA).

3/ Revised from previous *Data Book*.

Source: U.S. Department of Defense, Defense Management Data Center, Statistical Information Analysis Division, *Atlas/Data Abstract for the United States and Selected Areas* (annual)

<<http://siadapp.dmdc.osd.mil/personnel/Pubs.htm>> accessed June 29, 2009.

**Table 10.19-- DEPARTMENT OF DEFENSE PRIME CONTRACT AWARDS,
BY COUNTY, BY DEFENSE COMPONENT: 2006 TO 2008**

[In thousands of dollars. For fiscal year ending September 30. Use of prime contract data is not a means of measuring the total volume of defense work performed within a state, as a substantial amount of the work may be subcontracted]

Procurement program	State	Hawaii	Honolulu	Kauai	Maui
2006	1,963,465	7,981	1,839,103	77,553	38,829
Army	600,420	4,283	572,872	1,773	21,492
Navy	537,112	2,819	459,674	68,554	6,066
Air Force	344,093	183	334,235	17	9,657
Defense Logistics Agency	404,695	71	399,278	5,274	73
Civil functions: Corps of Eng.	2,552	-	2,552	-	-
Other defense agencies	74,594	625	70,493	1,935	1,541
2007 1/	2,134,466	40,933	1,924,256	154,713	14,564
Army	638,504	18,294	590,210	27,206	2,795
Navy	915,265	22,184	785,137	107,648	295
Air Force	296,924	10	287,565	176	9,174
Defense Logistics Agency	159,383	130	159,248	-	6
Civil functions: Corps of Eng.	22,686	283	2,383	18,772	1,248
Other defense agencies	101,705	32	99,714	912	1,047
2008 1/	2,258,591	(NA)	(NA)	(NA)	(NA)
Army	702,826	(NA)	(NA)	(NA)	(NA)
Navy	900,974	(NA)	(NA)	(NA)	(NA)
Air Force	301,655	(NA)	(NA)	(NA)	(NA)
Civil functions: Corps of Eng. 2/	(NA)	(NA)	(NA)	(NA)	(NA)
Other defense activities 3/	353,136	(NA)	(NA)	(NA)	(NA)

NA Not available.

1/ The 2008 estimate is preliminary in that the source does not show procurement by county. The 2 procurement web sites below are no longer the home for the collection, correction, and reporting of DoD procurement information. The data on those sites are static data and reflect how the data were originally collected through FY2006. All the data contained on those sites were migrated to the Federal Procurement Data System Next Generation (FPDS-NG) which is now the official web site <<https://www.fpds.gov>> for all federal procurement data and reports. USASpending.gov at <http://www.usaspending.gov> also contains current DoD procurement data. Future *Data Book* updates and revision of 2007 and 2008 are expected to be based on those data/sites. See Table 10.18 for revised 2007 procurement by branch of service estimates.

2/ Civil functions not available in the FPDS-NG system.

3/ Includes 'Other defense agencies' and Defense Logistics Agency.

Source: U.S. Department of Defense, Defense Manpower Data Center, Statistical Information Analysis Division, Geographic Statistics, Prime Contract Awards by State, "DoD Prime Contract Awards by State/County, FY2006" <http://siadapp.dior.whs.mil/procurement/historical_reports/geographic/geostat.html> accessed February 22, 2007; Procurement Statistics, Special Tabulation 25 - summary of prime contract awards (ST25) <http://siadapp.dmdc.osd.mil/procurement/historical_reports/statistics/procstat.html> accessed February 26, 2008; and *Atlas/Data Abstract for the United States and Selected Areas, Fiscal Year 2008* <<http://siadapp.dmdc.osd.mil/personnel/L03/fy08/08top.htm>> accessed June 29, 2009.

Table 10.20-- MILITARY SUBCONTRACTING PROGRAM: 2003 TO 2006

[In thousands of dollars and percent. Fiscal year ending September 30. Public Law 95-507, as amended, requires large business firms that have received at least one contract over \$500,000, or \$1,000,000 for construction, to establish a subcontracting program]

Procurement program	2003	2004	2005	2006 1/
Hawaii number of contractors	49	48	41	41
Hawaii total contracts	284,976	196,793	204,533	319,430
Large business	100,474	73,876	87,310	119,085
Small business	184,502	122,917	117,223	200,345
Small disadvantaged business	75,168	21,583	34,370	25,850
Women-owned business	30,245	15,931	11,633	42,454
HBCU/MI 2/	162	133	31	208
HUBZone 3/	8,402	6,109	2,747	16,399
Veteran-owned	8,137	13,269	19,536	17,459
Service-disabled veteran-owned	264	219	282	467
Hawaii contracts as percent of total	100.0	100.0	100.0	100.0
Large business	35.3	37.5	42.7	37.3
Small business	64.7	62.5	57.3	62.7
Small disadvantaged business	26.4	11.0	16.8	8.1
Women-owned business	10.6	8.1	5.7	13.3
HBCU/MI 2/	0.1	0.1	(4/)	0.1
HUBZone 3/	2.9	3.1	1.3	5.1
Veteran-owned	2.9	6.7	9.6	5.5
Service-disabled veteran-owned	0.1	0.1	0.1	0.1
United States number of contractors	1,983	1,639	1,625	1,493
United States total contracts	86,383,380	101,677,468	120,947,969	106,472,454
Large business	54,450,581	66,571,644	77,332,006	66,906,557
Small business	31,932,800	35,105,824	43,615,963	39,565,897
Small disadvantaged business	4,068,207	4,135,337	5,363,344	5,091,551
Women-owned business	4,165,248	4,946,268	5,956,704	5,817,559
HBCU/MI 2/	30,209	233,540	145,624	60,818
HUBZone 3/	879,640	1,083,164	1,434,765	1,786,961
Veteran-owned	2,078,571	2,744,357	3,447,490	3,705,866
Service-disabled veteran-owned	296,602	449,021	519,237	718,462

Continued on next page.

Table 10.20-- MILITARY SUBCONTRACTING PROGRAM: 2003 TO 2006 -- Con.

Procurement program	2003	2004	2005	2006 1/
U.S. contracts as percent of total	100.0	100.0	100.0	100.0
Large business	63.0	65.5	63.9	62.8
Small business	37.0	34.5	36.1	37.2
Small disadvantaged business	4.7	4.1	4.4	4.8
Women-owned business	4.8	4.9	4.9	5.5
HBCU/MI 2/	(4/)	0.2	0.1	0.1
HUBZone 3/	1.0	1.1	1.2	1.7
Veteran-owned	2.4	2.7	2.9	3.5
Service-disabled veteran-owned	0.3	0.4	0.4	0.7

1/ The DOD webpage leading to the URL below notes that procurement web sites are no longer the home for the collection, correction, and reporting of DoD procurement information. The data on those sites are static data and reflect how the data were originally collected through FY2006. All the data contained on those sites were migrated to the Federal Procurement Data System Next Generation (FPDS-NG) which is now the official web site <<https://www.fpds.gov>> for all federal procurement data and reports. USASpending.gov at <http://www.usaspending.gov> also contains current DoD procurement data. Future *Data Book* updates of military subcontracting are expected to be based on those data/sites.

2/ HBCU/MI Historically Black Colleges and Universities/Minority Institutions.

3/ HUBZone Historically underutilized business zone.

4/ Less than 0.1.

Source: U.S. Department of Defense, Statistical Information Analysis Division, "Companies Participating in the Department of Defense Subcontracting Program"

<http://siadapp.dmdc.osd.mil/procurement/historical_reports/statistics/procstat.html> accessed October 22, 2007 and calculations by Hawaii State Department of Business, Economic Development & Tourism.

Table 10.21-- SELECTED CHARACTERISTICS OF MILITARY INSTALLATIONS, BY SITE: SEPTEMBER 30, 2007

Site	Name of nearest city	Buildings Owned 1/		Acreage		PRV 2/ (\$mil.)	Personnel			
		Number	Square feet	Total	Owned		Total	Military	Civilian	Other 3/
Hawaii total		7,751	46,273,379	234,043	177,026	29,943.7	74,238	51,140	14,799	8,299
Army total		1,521	14,554,800	193,011	141,243	9,851.2	36,272	23,565	4,458	8,249
Army Active		1,451	13,759,668	169,400	140,979	9,512.3	34,194	21,772	4,368	8,054
Aliamanu Military Reservation	Honolulu	103	280,061	603	597	839.3	137	7	36	94
Dillingham Military Res	Waialua	5	4,176	664	664	44.2	40	-	-	40
Fort De Russy	Honolulu	9	783,763	73	73	220.5	1,000	-	4	996
Fort Shafter	Honolulu	133	1,643,272	590	590	814.6	7,765	4,899	1,337	1,529
Helemano Military Reservation	Wahiawa	23	243,047	290	-	462.8	85	2	19	64
Kahuku Training Area	Kahuku	16	22,460	9,480	8,330	28.4	1	-	-	1
Kilauea Military Reserve	Hawaii Nat'l Park	86	152,014	72	17	46.5	78	-	2	76
Kipapa Ammo Storage Site	Pukalani	70	179,462	401	401	73.3	-	-	-	-
Makua Military Reserve	Waianae	4	4,873	4,195	3,406	18.6	-	-	-	-
Pohakuloa Training Area	Hilo	172	293,849	131,886	108,851	263.8	225	13	105	107
Pupukea Paalaa Uka Mil Road	Haleiwa	-	-	109	109	11.4	-	-	-	-
Schofield Bks Mil Reservation	Wahiawa	477	6,529,158	18,676	15,600	4,252.7	16,127	12,386	1,063	2,678
Signal Cable Trunking System	Wahiawa	43	9,071	201	201	87.3	-	-	-	-
Tripler Army Medical Center	Honolulu	40	1,876,842	367	367	1,134.5	4,437	1,413	1,426	1,598
USA Field Station Kunia	Kunia	9	272,040	95	89	132.8	154	13	-	141
Waianae-Kai Military Reservation	Waianae	46	47,458	14	-	19.4	36	1	-	35
Waikakalaua Ammo Storage Tunnels	Schofield Barracks	49	104,236	314	314	41.2	-	-	-	-
Wheeler Army Airfield	Wahiawa	166	1,313,886	1,370	1,370	1,021.0	4,109	3,038	376	695
Army Guard		51	690,074	214	214	292.1	1,803	1,525	86	192
Kalaeloa	Kapolei	30	489,696	147	147	204.5	1,323	1,072	65	186
Regional Training Institute	Waimanalo	7	75,951	48	48	64.0	103	97	3	3
Tracking Station Waiawa Gulch	Pearl City	14	124,427	19	19	23.6	377	356	18	3
7 other Army sites 4/		19	105,058	23,397	49	46.8	275	268	4	3
Air Force total		503	5,454,950	3,972	3,020	3,931.1	7,951	6,593	1,329	29
Air Force Active		476	5,268,309	3,325	3,014	3,743.2	7,196	5,845	1,322	29
Bellows Air Force Station	Waimanalo	97	142,139	487	409	84.2	38	26	12	-
Hickam Air Force Base 5/	Hickam AFB	323	5,022,743	2,523	2,513	3,491.2	7,120	5,799	1,292	29
Hickam Petroleum Products Storage Annex	Wahiawa	19	10,657	151	92	89.1	-	-	-	-
Kaena Point Satellite Tracking Station	Haleiwa	25	69,531	153	-	62.5	20	2	18	-
Kokee Air Force Station	Kekaha	12	23,239	11	-	16.2	18	18	-	-
Air National Guard		4	31,016	11	-	18.0	175	175	-	-
Barking Sands Communication Station	Kekaha	4	31,016	11	-	18.0	175	175	-	-
15 other Air Force sites 4/		23	155,625	636	6	169.8	580	573	7	-

Continued on next page.

Table 10.21-- SELECTED CHARACTERISTICS OF MILITARY INSTALLATIONS, BY SITE: SEPTEMBER 30, 2007 -- Con.

Site	Name of nearest city	Buildings Owned 1/		Acreage		PRV 2/ (\$mil.)	Personnel			
		Number	Square feet	Total	Owned		Total	Military	Civilian	Other 3/
Marine Corps total		1,920	8,805,849	4,670	4,661	3,677.6	7,226	6,540	668	18
Marine Active		1,906	8,782,880	3,343	3,337	3,662.2	7,226	6,540	668	18
Marine Corps Base Camp Smith	Aiea	60	679,972	221	219	380.0	1,289	1,135	136	18
Marine Corps Base Hawaii Kaneohe	Kaneohe	1,819	7,838,409	2,955	2,951	3,209.8	5,937	5,405	532	-
Marine Corps Base Hawaii Pearl City Annex	Pearl City	6	207,120	27	27	44.0	-	-	-	-
Puuloa-Oahu	Ewa Beach	21	57,379	140	140	28.4	-	-	-	-
4 other Marine sites 4/		14	22,969	1,327	1,325	15.3	-	-	-	-
Navy total		3,807	17,457,780	32,391	28,102	12,483.9	22,789	14,442	8,344	3
Navy Active		3,792	17,402,608	30,983	27,885	12,440.8	22,789	14,442	8,344	3
Aiea	Aiea	20	33,843	99	96	205.5	-	-	-	-
CSO Barbers Point HI	Barbers Point	-	-	1,246	1,116	85.8	-	-	-	-
Ewa	Ewa Beach	1,896	3,367,047	3,144	3,130	964.6	-	-	-	-
Honolulu 5/	Pearl Harbor	135	1,132,440	620	616	1,443.9	-	-	-	-
Kalaeloa	Barbers Point	165	983,210	940	932	429.9	-	-	-	-
Kamokala Ridge	Kekaha	13	23,582	89	-	14.6	-	-	-	-
Kunia	Kunia	-	-	96	-	134.0	-	-	-	-
Makaha Ridge	Kokee	14	23,844	245	-	27.3	-	-	-	-
Naval Station Pearl Harbor 5/	Pearl Harbor	636	9,139,044	7,336	7,284	6,330.2	22,789	14,442	8,344	3
PACMISRANFAC Hawaiian Area	Kekaha	209	458,299	4,354	1,933	417.2	-	-	-	-
Pearl City	Pearl City	13	223,707	655	647	379.2	-	-	-	-
Red Hill	Honolulu	7	11,981	243	242	747.0	-	-	-	-
Wahiawa	Wahiawa	95	423,569	743	720	372.6	-	-	-	-
Waianae	Lualualei	431	1,099,201	9,229	9,228	611.1	-	-	-	-
Waikale	Waipahu	134	439,967	488	487	215.9	-	-	-	-
Waipahu	Waipahu	24	42,874	1,456	1,454	62.0	-	-	-	-
17 other Navy sites 4/		15	55,172	1,410	218	42.9	-	-	-	-

1/ This report also inventories leased buildings (16) and square footage (131,649) and other than owned or leased buildings (6,259) and square footage (22,384,253).

2/ PRV or plant replacement value represents the reported cost of replacing the facility and its supporting infrastructure using today's construction cost (labor and material) and standards (methodologies and codes).

3/ Other personnel include all known other civilian personnel identified for the site or installation, including personnel paid from Non-appropriated Funds, Foreign Nationals (direct hire) at foreign locations, and, if available, any full-time contractor personnel, regardless of Service affiliation.

4/ United States locations that do not meet criteria of at least 10 acres and at least \$10 million PRV (plant replacement value).

5/ Indicated realignment in the 2005 Defense Base Closure and Realignment Commission Final and Approved Recommendations Appendix Q Text.

Source: U.S. Department of Defense, Office of the Deputy Under Secretary of Defense (Installations & Environment), *Base Structure Report Fiscal Year 2008 Baseline*, (A Summary of DoD's Real Property Inventory) <http://www.acq.osd.mil/ie/irm/irm_library/BSR2008Baseline.pdf> accessed July 28, 2008 and calculations by Hawaii State Department of Business, Economic Development & Tourism.

Table 10.22-- MILITARY INSTALLATIONS BY COMPONENT AND SIZE FOR HAWAII AND THE UNITED STATES: SEPTEMBER 30, 2007

Location and component	Total	Large 1/	Medium 2/	Small 3/	Other 4/
Hawaii	90	4	4	73	9
Army	28	1	2	24	1
Navy	33	1	2	23	7
Air Force	21	1	-	19	1
Marine Corps	8	1	-	7	-
United States	4,564	96	100	3,417	951
Army	1,884	37	29	1,315	503
Navy	955	18	26	632	279
Air Force	1,581	34	38	1,383	126
Marine Corps	130	7	5	75	43
Washington Headquarters Service	14	-	2	12	-
Hawaii as percent of the U.S.	2.0	4.2	4.0	2.1	0.9
Army	1.5	2.7	6.9	1.8	0.2
Navy	3.5	5.6	7.7	3.6	2.5
Air Force	1.3	2.9	0.0	1.4	0.8
Marine Corps	6.2	14.3	0.0	9.3	0.0

1/ A large installation has a total plant replacement value (PRV) greater than or equal to \$1.665 billion.

2/ A medium installation has a total plant replacement value (PRV) less than \$1.665 billion and greater than or equal to \$888 million.

3/ A small installation has a total plant replacement value (PRV) less than \$888 million and greater than 0.

4/ Other installation has a total plant replacement value (PRV) equal to zero - primarily land records.

Source: U.S. Department of Defense, Office of the Deputy Under Secretary of Defense (Installations & Environment), *Base Structure Report (A Summary of DoD's Real Property Inventory), Fiscal Year 2008 Baseline*, pp. DOD-22 and 25 <http://www.acq.osd.mil/ie/irm/irm_library/BSR2008Baseline.pdf> accessed July 28, 2008 and calculations by Hawaii State Department of Business, Economic Development & Tourism.

**Table 10.23-- HOUSING UNITS IN SELECTED MILITARY AREA
CENSUS-DESIGNATED PLACES: 2000**

Geographic area	Housing units (count)
Total housing units	460,542
Ahuimanu CDP	2,681
Barbers Point Housing CDP	127
Hickam Housing CDP	1,718
Iroquois Point CDP	1,035
Kaneohe Station CDP	2,388
Schofield Barracks CDP	3,733
Wheeler AFB CDP	855

Source: U.S. Census Bureau, Census 2000 U.S. Housing Unit Count - Hawaii
<<http://quickfacts.census.gov/hunits/states/15000.html>> accessed August 13, 2002.

**Table 10.24-- MILITARY HOUSING PRIVATIZATION INITIATIVE PROJECTS:
AUGUST 2008**

[The MHPI is a 50-year public-private partnership as authorized under the National Defense Authorization Act for Fiscal Year 1996 to facilitate upgrade and maintenance of the inventory of military housing units]

Component and location	Total	New homes	Renovated homes
Total dwelling units	14,958	9,562	5,396
Army	7,945	5,388	2,557
Schofield Barracks	4,066	2,916	1,150
Aliamanu/Red Hill	1,717	1,691	26
Wheeler Army/Air Field	669	262	407
Fort Shafter	362	276	86
Helemano	946	58	888
Tripler Army Medical Center	185	185	-
Air Force	2,474	1,142	1,332
Hickam Air Force Base	2,474	1,142	1,332
Navy/Marine	4,539	3,032	1,507
Pearl Harbor, Camp Smith, Manana	2,654	1,740	914
Wahiawa	229	174	55
Marine Corps Base Hawaii	1,656	1,118	538

Source: *Honolulu Advertiser* "Military housing boom offsets slow civilian sector", August 31, 2008
<<http://the.honoluluadvertiser.com/article/2008/Aug/31/bz/hawaii808310344.html>> accessed September 2, 2008.

**Table 10.25-- MILITARY MONTHLY BASIC ALLOWANCES FOR HOUSING
RATES, BY COUNTY: 2009**

[In dollars. For fiscal year ending September 30. The Basic Allowance for Housing (BAH) is based on geographic duty location, pay grade, and dependency status. The intent of BAH is to provide uniformed service members with permanent duty within the 50 United States accurate and equitable housing compensation based on housing costs in local civilian housing markets, and is payable when government quarters are not provided. Total housing costs are calculated for six housing profiles based on dwelling type and number of bedrooms, in each military housing area. Basic Allowances for Housing rates are then calculated for each pay grade, with and without dependents]

Code 1/	With dependents				Without dependents			
	Maui County	Honolulu County	Hawaii County	Kauai County	Maui County	Honolulu County	Hawaii County	Kauai County
E01	1,911	1,949	1,549	1,734	1,463	1,555	1,162	1,333
E02	1,911	1,949	1,549	1,734	1,463	1,555	1,162	1,333
E03	1,911	1,949	1,549	1,734	1,463	1,555	1,162	1,333
E04	1,911	1,949	1,549	1,734	1,463	1,555	1,162	1,333
E05	1,974	2,043	1,598	1,856	1,722	1,757	1,355	1,521
E06	2,166	2,274	1,901	2,187	1,857	1,868	1,508	1,640
E07	2,235	2,403	1,950	2,208	1,916	1,955	1,553	1,743
E08	2,310	2,545	2,003	2,231	2,012	2,088	1,657	1,921
E09	2,408	2,745	2,091	2,341	2,072	2,160	1,752	2,024
W01	2,167	2,276	1,902	2,188	1,887	1,913	1,531	1,688
W02	2,265	2,461	1,971	2,218	2,011	2,087	1,656	1,920
W03	2,357	2,633	2,036	2,246	2,077	2,167	1,761	2,034
W04	2,428	2,788	2,113	2,378	2,183	2,306	1,913	2,192
W05	2,510	2,967	2,201	2,531	2,251	2,434	1,961	2,213
O01E	2,249	2,431	1,960	2,213	1,974	2,043	1,598	1,856
O02E	2,343	2,607	2,026	2,241	2,058	2,144	1,730	2,001
O03E	2,440	2,816	2,126	2,402	2,166	2,274	1,901	2,187
O01	1,996	2,069	1,632	1,894	1,848	1,855	1,501	1,612
O02	2,162	2,269	1,894	2,180	1,953	2,011	1,581	1,814
O03	2,354	2,627	2,034	2,244	2,097	2,191	1,792	2,068
O04	2,544	3,043	2,239	2,596	2,242	2,416	1,954	2,210
O05	2,677	3,334	2,383	2,845	2,287	2,502	1,987	2,224
O06	2,699	3,361	2,403	2,868	2,357	2,633	2,036	2,246
O07	2,731	3,401	2,431	2,902	2,404	2,686	2,077	2,290

1/ E indicates enlisted; W, warrant officer; OE, commissioned officer with more than 4 years active duty service as an enlisted member or Warrant Officer; and O, officer. The number indicates the grade. The higher number the higher the rank.

Source: U.S. Department of Defense, Per Diem, Travel and Transportation Allowance Committee, "Basic Allowance for Housing (BAH) UPDATED: 15-DEC-2008" <<http://perdiem.hqda.pentagon.mil/perdiem/bah.html>>, <<http://www.perdiem.osd.mil/bah/acrobat/2009/FINAL%202009%20With%20BAH%20Rates.pdf>> and <<http://www.perdiem.osd.mil/bah/acrobat/2009/FINAL%202009%20Without%20BAH%20Rates.pdf>> accessed December 15, 2008.

**Table 10.26-- VETERAN STATUS OF CIVILIANS 17 YEARS AND OVER:
1980, 1990, 2000 TO 2008**

[As of April 1 for 1980, 1990, and 2000 unless otherwise noted for civilian and veteran population. July 1 for civilian population and September 30 for veteran population thereafter unless otherwise noted. Civilian population 17 and over unless otherwise noted. Estimates for 2001 to 2006 revised]

Veteran status	1980 1/	1990 1/	2000 1/	2000 2/	2000 3/	2001	2002	2003	2004	2005	2006	2007	2008
Civilian population	665,036	801,517	878,220	889,003	889,240	900,206	910,003	920,431	942,039	951,248	962,038	972,493	982,065
Male	(NA)	(NA)	422,566	427,314	427,505	434,434	439,451	443,200	456,869	461,820	467,855	473,286	478,346
Female	(NA)	(NA)	455,654	461,689	461,735	465,772	470,552	477,231	485,170	489,428	494,183	499,207	503,719
Veterans	103,774	119,256	120,587	121,000	121,000	120,000	120,000	120,000	120,000	119,000	119,000	119,000	118,000
Male veterans	98,633	112,011	111,431	111,000	111,000	111,000	110,000	110,000	109,000	109,000	108,000	108,000	107,000
Female veterans	5,141	7,245	9,156	9,000	9,000	9,000	10,000	10,000	10,000	11,000	11,000	11,000	11,000
War veterans 4/	85,322	87,301	(NA)	92,000	92,000	91,000	90,000	90,000	89,000	89,000	89,000	89,000	88,000
Persian Gulf War 5/	(X)	(X)	(NA)	18,000	19,000	20,000	21,000	23,000	25,000	27,000	29,000	31,000	33,000
Vietnam era	38,136	41,860	41,630	42,000	41,000	41,000	40,000	40,000	39,000	38,000	38,000	37,000	37,000
Korean conflict	22,351	22,362	18,000	18,000	18,000	17,000	17,000	16,000	16,000	15,000	15,000	14,000	13,000
World War II	32,156	30,187	22,561	23,000	22,000	21,000	19,000	18,000	17,000	15,000	14,000	13,000	11,000
World War I	854	132	(6/)	(6/)	(6/)	(6/)	(6/)	(6/)	(6/)	(6/)	-	-	-
Peacetime only	18,452	31,955	(NA)	29,000	29,000	29,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000
Nonveterans	561,262	682,261	757,633	768,000	769,000	780,000	790,000	801,000	823,000	832,000	843,000	854,000	864,000

NA Not available.

X Not applicable.

1/ Civilian population 16 years and over for 1980 and 1990, and 18 years and over for 2000.

2/ Civilian population 17 years.

3/ Civilian population 17 years and over as of July 1 and veteran population as of September 30.

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

5/ Service from August 2, 1990 to the present.

6/ Fewer than 100.

Source: Hawaii State Department of Defense, Office of Veterans Affairs, records; U.S. Census Bureau, *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; U.S. Census Bureau, Population Division, "State Single Year of Age and Sex Population Estimates: April 1, 2000 to July 1, 2008 - Civilian" (released May 14, 2009) <<http://www.census.gov/popest/states/asrh/>> accessed May 18, 2009; U.S. Department of Veterans Affairs, Census 2000 Veteran Data, "Sex by Age by Armed Forces Status by Veteran Status for the Population 18 Years and Over" <<http://www1.va.gov/vetdata/docs/agesexdata.xls>> accessed March 13, 2009; *Ibid.* "Period of Service, by State" <<http://www1.va.gov/vetdata/page.cfm?pg=1>> accessed March 13, 2009; U.S. Department of Veterans Affairs, Demographics, Veteran Population 2007, VetPop2007 State Tables, Table 2L: Veterans by State, Period, Age Group, Gender, 2000-2036" accessed February 20, 2009; and calculations by Hawaii State Department of Business, Economic Development & Tourism.

Table 10.27-- ARMED FORCES STATUS, BY VETERAN STATUS, BY SEX AND AGE FOR THE POPULATION 18 YEARS AND OVER: 2000

[As of April 1]

Characteristic	Hawaii	United States	Hawaii as percent of U.S.
Total	917,212	209,279,149	0.44
18 to 64 years	756,071	174,300,177	0.43
In Armed Forces	38,992	1,148,797	3.39
Civilian:	717,079	173,151,380	0.41
Veteran	79,828	16,740,194	0.48
Nonveteran	637,251	156,411,186	0.41
65 years and over	161,141	34,978,972	0.46
In Armed Forces	-	-	-
Civilian:	161,141	34,978,972	0.46
Veteran	40,759	9,663,509	0.42
Nonveteran	120,382	25,315,463	0.48
Male	456,895	100,909,272	0.45
18 to 64 years	385,282	86,526,902	0.45
In Armed Forces	34,329	985,393	3.48
Civilian:	350,953	85,541,509	0.41
Veteran	72,148	15,494,594	0.47
Nonveteran	278,805	70,046,915	0.40
65 years and over	71,613	14,382,370	0.50
In Armed Forces	-	-	-
Civilian:	71,613	14,382,370	0.50
Veteran	39,283	9,315,855	0.42
Nonveteran	32,330	5,066,515	0.64
Female	460,317	108,369,877	0.42
18 to 64 years	370,789	87,773,275	0.42
In Armed Forces	4,663	163,404	2.85
Civilian:	366,126	87,609,871	0.42
Veteran	7,680	1,245,600	0.62
Nonveteran	358,446	86,364,271	0.42
65 years and over	89,528	20,596,602	0.43
In Armed Forces	-	-	-
Civilian:	89,528	20,596,602	0.43
Veteran	1,476	347,654	0.42
Nonveteran	88,052	20,248,948	0.43

Source: U.S. Department of Veterans' Affairs, "Sex by Age by Armed Forces Status by Veteran Status for the Population 18 Years and Over"

<<http://www.va.gov/vetdata/Census2000/CenData/agesexdata.xls>> accessed June 23, 2004 and calculations by Hawaii State Department of Business, Economic Development & Tourism.

**Table 10.28-- DISTRIBUTION OF VETERANS AFFAIRS POPULATION
AND EXPENDITURES, BY COUNTY: 2006 TO 2008**

[In number of persons and thousands of dollars. Fiscal year ending September 30.
2006 and 2007 revised by source]

Subject	State	Hawaii	City & County of Honolulu	Kalawao	Kauai	Maui
2006						
Veteran population 1/	102,396	13,966	72,584	6	5,405	10,435
Total expenditure	316,611	50,231	216,504	2	13,346	27,178
Compensation & pension 2/	166,623	27,890	116,514	-	6,658	15,561
Education & vocational rehab	20,158	921	18,632	-	215	391
Medical expenditures 3/	104,513	19,275	69,899	1	5,667	9,671
Insurance & indemnities	15,559	2,145	11,051	1	807	1,555
Construction & related costs	407	-	407	-	-	-
General operating expenses	9,350	-	9,350	-	-	-
2007						
Veteran population 1/	118,633	16,156	84,752	7	6,153	11,566
Total expenditure	336,292	51,819	242,620	-	13,604	28,249
Compensation & pension 2/	174,876	28,688	122,438	-	6,944	16,807
Education & vocational rehab	20,931	1,102	19,204	-	146	479
Medical care 3/	117,122	20,517	80,703	-	5,861	10,041
Insurance & indemnities	13,195	1,512	10,108	-	653	923
Construction	414	-	414	-	-	-
General operating expenses	9,753	-	9,753	-	-	-
2008						
Veteran population 1/	118,017	16,135	84,025	7	6,218	11,633
Total expenditure	368,899	54,950	267,191	-	14,805	31,953
Compensation & pension 2/	197,498	31,530	139,084	-	7,807	19,078
Education & vocational rehab	19,602	1,115	17,795	-	218	475
Medical care 3/	126,747	20,836	87,864	-	6,512	11,534
Insurance & indemnities	11,577	1,468	8,975	-	268	866
Construction	1,150	-	1,150	-	-	-
General operating expenses	12,324	-	12,324	-	-	-

1/ Veteran population estimated as of September 30. Source obtained data from Office of the Actuary, Department of Veterans Affairs (VetPop04 for 2006 and VetPop07 for 2007 and 2008).

2/ Includes expenditures for veterans' compensation for service-connected disability; dependency and indemnity compensation for service-connected deaths; veterans' pension for nonservice-connected disabilities; and, in 2006 and 2007, for pension to veterans' surviving spouse and children; but in 2008, for burial and other benefits to veterans and their survivors.

3/ Includes medical services, medical administration, facility maintenance, educational support, research support, and other overhead items. Medical Care does not include construction or other non-medical support expenditures. In 2008, the new medical care figures were based on where patients live instead of where care was delivered.

Source: U.S. Department of Veteran Affairs, Veteran Data & Information, Expenditure Data by Locality, Geographic Distribution of VA Expenditures (GDX) (annual)
<<http://www1.va.gov/vetdata/page.cfm?pg=3>> accessed June 30, 2009.

Table 10.29-- MILITARY RETIREMENT SYSTEM: 2008

[As of September 30]

Category	Number of personnel		Monthly payment 2/ (\$1,000)	Average payment per person paid (dollars)
	Retired 1/	Paid by DOD		
Department of Defense	15,832	14,944	30,421	2,036
By branch of service 3/				
Army	5,767	5,373	10,353	1,927
Navy	4,581	4,366	9,299	2,130
Marine Corps	1,011	927	2,248	2,425
Air Force	4,473	4,278	8,522	1,992
Exhibit: Coast Guard 3/	332	321	(NA)	(NA)
By rank				
Officers	4,493	4,455	14,312	3,213
Nondisabled and reserve	4,348	4,329	13,998	3,234
Disabled	145	126	314	2,492
Enlisted	11,339	10,489	16,109	1,536
Nondisabled and reserve	10,464	10,078	15,713	1,559
Disabled	875	411	396	964
Department of Defense, over 65	6,928	6,411	13,198	2,059
By branch of service 3/				
Army	2,942	2,731	5,109	1,871
Navy	1,557	1,418	3,324	2,344
Marine Corps	366	340	903	2,656
Air Force	2,063	1,922	3,862	2,009
Exhibit: Coast Guard 3/	139	133	(NA)	(NA)
By rank				
Officers	2,288	2,264	7,077	3,126
Nondisabled and reserve	2,218	2,199	6,880	3,129
Disabled	70	65	197	3,031
Enlisted	4,640	4,147	6,122	1,476
Nondisabled and reserve	4,399	4,021	5,960	1,482
Disabled	241	126	162	1,286

Continued on next page.

Table 10.29-- MILITARY RETIREMENT SYSTEM: 2008 -- Con.

Category	Number retired	Monthly payment 2/ (\$1,000)	Average payment per person paid (dollars)
Department of Defense, concurrent receipt	2,045	2,173	1,063
Concurrent Retirement & Disability Pay	1,541	1,648	1,069
Nondisabled	1,388	1,457	1,050
Disabled	96	139	1,448
Reserve	57	52	912
Combat Related Special Compensation	504	525	1,042
Nondisabled	417	456	1,094
Disabled	30	40	1,333
Reserve	57	29	509
Military survivors, by branch of servicemember 3/			
Receiving pay 4/	2,039	2,122	1,041
Army	1,067	1,031	966
Navy	442	506	1,145
Marine Corps	99	127	1,283
Air Force	431	457	1,060
Exhibit: Coast Guard 3/	28	(NA)	(NA)
Over 65 receiving pay 4/	1,716	1,846	1,076
Army	906	905	999
Navy	381	454	1,192
Marine Corps	71	93	1,310
Air Force	358	393	1,098
Exhibit: Coast Guard 3/	23	(NA)	(NA)

NA Not available.

1/ Number retired includes, in addition to "number paid by DOD", retirees whose net pay is zero or less after any survivor benefit premium deductions and/or various other offsets such as Veterans Administration payments.

2/ The monthly amount of payment (net pay) is before deductions for withholding taxes and allotments, but after deductions for survivor benefits, waivers to obtain benefits from the Veterans Administration.

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

4/ Under the Retired Servicemen's Family Protection Plan or the Survivor Benefit Plan. Families of deceased members enrolled in both plans are counted only once. Children of the same deceased member receiving separate benefits are counted individually. Some survivors whose pay has been suspended are included.

Source: U.S. Department of Defense, Office of the Actuary, *Fiscal Year 2008 DOD Statistical Report on the Military Retirement System* (May 2009) pp. 25-29 and 198-199 <<http://www.defenselink.mil/actuary/>> accessed June 26, 2009 and calculations by Hawaii State Department of Business, Economic Development & Tourism.