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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: 2012* 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	
	Hawaii	United States	Hawaii	United States
Total	9,108	876,527	3,970	1,399,751
American Indian/Alaska Native	52	8,275	13	15,795
Asian/Pacific Islander	5,639	26,640	2,630	56,667
Black	436	143,672	173	275,205
White	2,122	611,482	710	897,514
Hispanic	374	70,333	149	127,900
Other/unknown	485	16,125	295	26,670
Other	(NA)	(NA)	95	13,869
Unknown	(NA)	(NA)	200	12,801
Total	9,108	876,527	3,970	1,399,751
Female	1,656	151,656	592	210,085
Male	7,452	724,871	3,378	1,189,666

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 2015

[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	1985	46,875	18,262	12,722	9,192	6,699
1954	23,654	7,957	6,443	4,155	5,099	1986	46,122	18,153	12,938	8,752	6,279
1955	40,258	19,821	5,211	9,677	5,549	1987	47,262	18,905	12,975	9,263	6,119
1956	37,470	16,531	5,237	9,490	6,212	1988	45,843	18,170	12,479	9,365	5,829
1957	40,683	17,511	5,466	9,608	8,098	1989	45,935	18,788	12,403	9,179	5,565
1958	35,076	14,672	4,908	8,670	6,826	1990	41,887	18,590	12,289	5,618	5,390
1959	36,310	15,438	5,309	8,470	7,093	1991	44,092	18,173	12,040	8,571	5,308
1960	35,412	15,492	5,687	7,756	6,477	1992	44,864	18,666	12,321	8,945	4,932
1961	39,474	16,945	5,774	9,679	7,076	1993	42,958	18,831	11,272	8,147	4,708
1962	41,657	17,645	6,664	9,903	7,445	1994	42,161	19,485	11,510	6,484	4,682
1963	40,610	16,589	6,545	9,950	7,526	1995	38,172	16,672	10,738	6,198	4,564
1964	45,046	18,566	6,777	10,613	9,090	1996	36,392	15,225	10,643	5,953	4,571
1965	41,984	20,006	6,700	6,154	9,124	1997	34,826	15,249	9,840	6,123	3,614
1966	30,136	8,712	6,251	4,485	10,688	1998	34,643	15,133	7,882	7,081	4,547
1967	34,338	10,923	7,041	5,277	11,097	1999	32,708	14,692	7,397	6,136	4,483
1968	42,332	10,871	14,961	5,509	10,991	2000	33,930	15,483	7,998	5,960	4,489
1969	43,018	12,918	12,652	6,361	11,087	2001	34,322	15,709	8,349	5,821	4,443
1970	38,397	9,639	11,996	7,189	9,573	2002	34,608	15,985	8,654	5,680	4,289
1971	34,515	9,738	10,392	5,319	9,066	2003	34,203	15,985	8,381	5,161	4,676
1972	39,150	13,093	10,752	6,803	8,502	2004 2/	35,061	17,068	7,694	5,541	4,758
1973	43,809	17,336	10,729	7,695	8,049	2005 2/	32,629	15,458	6,524	5,796	4,851
1974	42,204	17,581	10,072	7,192	7,359	2006 2/	34,935	18,687	6,080	5,050	5,118
1975	43,071	17,312	10,852	8,403	6,504	2007 2/	34,838	19,867	5,595	4,483	4,893
1976	43,903	18,037	10,531	9,174	6,161	2008 2/	37,847	21,554	5,320	6,306	4,667
1977	42,835	17,476	9,647	9,783	5,929	2009 2/	36,890	21,267	5,472	5,574	4,577
1978	43,907	18,711	10,458	8,796	5,942	2010 2/	38,755	22,186	5,402	6,532	4,635
1979	45,408	17,446	10,562	11,397	6,003	2011 2/	42,371	22,895	8,630	5,905	4,941
1980	43,313	17,118	10,976	9,277	5,942	2012 2/	49,110	22,546	15,066	6,385	5,113
1981	44,141	17,962	10,948	9,070	6,161	2013 2/	49,023	21,718	14,647	7,371	5,287
1982	44,470	17,457	11,880	8,926	6,207	2014 2/	51,045	22,194	15,730	7,817	5,304
1983	44,651	17,466	12,671	7,926	6,588	2015 2/	46,764	17,832	16,024	7,777	5,131
1984	47,648	19,222	12,960	8,703	6,763						

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

2/ Confirmation of personnel count requested of Defense Manpower Data Center. See following table for personnel count by location.

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)
 <https://www.dmdc.osd.mil/appj/dwp/dwp_reports.jsp> accessed November 24, 2015.

**Table 10.04-- ACTIVE DUTY AND RESERVE PERSONNEL, BY SERVICE:
2008 TO 2018**

[As of September 30. Personnel located in Hawaii, as personnel deployed are counted in the location country]

Year and component	All services	Department of Defense					Coast Guard
		Total	Army	Navy	Marine Corps	Air Force	
Active duty							
2008	37,584	36,300	15,349	12,459	4,088	4,404	1,284
2009	37,473	36,110	14,158	13,411	4,202	4,339	1,363
2010	42,167	40,831	17,277	13,668	5,519	4,367	1,336
2011	42,991	41,644	18,483	13,563	4,928	4,670	1,347
2012	46,736	45,394	19,799	14,345	6,364	4,886	1,342
2013	48,304	47,002	21,238	14,486	6,113	5,165	1,302
2014	49,836	48,565	21,857	15,273	6,264	5,171	1,271
2015	46,123	44,872	17,631	15,877	6,355	5,009	1,251
2016	38,284	37,057	16,937	8,359	6,784	4,977	1,227
2017	36,620	35,412	16,313	7,792	6,370	4,937	1,208
2018	42,981	41,803	16,251	13,716	6,788	5,048	1,178
National Guard and reserve 1/							
2008	8,919	8,790	5,130	726	35	2,899	129
2009	9,002	8,880	5,191	793	78	2,818	122
2010	9,255	9,116	5,216	743	83	3,074	139
2011	9,402	9,266	5,475	736	96	2,959	136
2012	9,216	9,070	5,247	777	89	2,957	146
2013	9,145	8,992	5,229	726	75	2,962	153
2014	9,319	9,167	5,433	666	62	3,006	152
2015	9,124	9,124	5,556	631	68	2,869	(2/)
2016	9,142	9,005	5,369	615	56	2,965	137
2017	9,402	9,283	5,525	611	281	2,866	119
2018	9,390	9,260	5,325	644	291	3,000	130

1/ All services have reserve units and the Army and the Air Force also have National Guard units.

2/ Indicated as '0' in Source for all states and areas. Clarification from DMDC awaited.

Source: U.S. Department of Defense, Defense Manpower Data Center, "Counts of Active Duty and Reserve Service Members and APF Civilians By Location Country, Personnel Category, Service and Component" (annually September 30) <https://www.dmdc.osd.mil/appj/dwp/dwp_reports.jsp> accessed January 22, 2019 and calculations by Hawaii State Department of Business, Economic Development & Tourism.

Table 10.05-- FEDERAL GOVERNMENT MILITARY AND CIVILIAN PERSONNEL: 1969 TO 2017

[Estimates of employment for 1969 to 1974 are based on the 1967 Standard Industrial Classification (SIC), the 1975 to 1987 on the 1972 SIC, the 1988 to 1997 on the 1987 SIC; and estimates of employment for 1998 to 2006 are based on the 2002 North American Industry Classification System (NAICS), for 2007 to 2010 on the 2007 NAICS, for 2011 to 2016 on the 2012 NAICS, and 2017 forward on the 2017 NAICS]

Year	Federal government			Year	Federal government		
	Total	Military 1/	Civilian		Total	Military 1/	Civilian
1969	104,362	69,603	34,759	1994	92,326	61,218	31,108
1970	102,400	68,949	33,451	1995	89,174	58,638	30,536
1971	98,613	65,586	33,027	1996	87,289	56,441	30,848
1972	99,074	66,350	32,724	1997	85,743	55,452	30,291
1973	102,197	70,540	31,657	1998	84,942	54,859	30,083
1974	102,021	70,896	31,125	1999	82,854	53,079	29,775
1975	103,159	72,142	31,017	2000	82,668	52,496	30,172
1976	100,327	69,170	31,157	2001	82,943	53,652	29,291
1977	96,689	66,396	30,293	2002 2/	83,670	52,919	30,751
1978	96,891	66,416	30,475	2003 2/	84,515	52,791	31,724
1979	95,902	65,104	30,798	2004 2/	85,343	53,758	31,585
1980	97,046	66,457	30,589	2005 2/	84,350	53,019	31,331
1981	93,829	62,944	30,885	2006 2/	86,185	54,363	31,822
1982	94,451	62,628	31,823	2007 2/	86,288	54,515	31,773
1983	98,270	65,863	32,407	2008 2/	88,301	56,047	32,254
1984	101,126	68,406	32,720	2009 2/	89,038	55,663	33,375
1985	102,322	68,904	33,418	2010 2/	91,112	56,237	34,875
1986	100,922	67,691	33,231	2011 2/	92,010	57,087	34,923
1987	102,338	69,062	33,276	2012 2/	92,406	57,456	34,950
1988	102,001	68,813	33,188	2013 2/	91,279	57,357	33,922
1989	101,759	68,470	33,289	2014 2/	90,369	57,251	33,118
1990	100,945	67,225	33,720	2015 2/	91,347	58,273	33,074
1991	100,557	67,484	33,073	2016 2/	89,671	56,447	33,224
1992	98,516	65,717	32,799	2017	88,841	55,415	33,426
1993	94,628	63,070	31,558				

1/ Includes active duty military personnel that are stationed in the state plus the number of military reserve unit members, including the National Guard, whose reserve units meet regularly for training. The state estimates are based on fiscal year-ending September 30-tabulations of military reserve strength provided by the Department of Defense. Navy personnel assigned to ships and other mobile units and Marines assigned to Fleet Marine Force units are measured according to the units' home ports rather than their actual locations as of the reporting date. See also *State Personal Income and Employment: Concepts, Data Sources, and Statistical Methods* (September 2018) <<https://www.bea.gov/system/files/2019-03/SPI2017.pdf>>.

2/ 2002 to 2016 'Total' and 'Civilian', and 2013 to 2016 'Military' revised from previous *Data Book*.

Source: U.S. Bureau of Economic Analysis, State Annual Personal Income, "SAEMP25S Total Full-Time and Part-Time Employment by SIC Industry" (March 6, 2019) and "SSAEMP25N Total Full-Time and Part-Time Employment by NAICS Industry" (September 25, 2018) <<http://www.bea.gov/iTable/iTable.cfm?reqid=70&step=1>> accessed January 23, 2019 and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 10.06-- DEPARTMENT OF DEFENSE PERSONNEL AND DEPENDENTS:
1989 TO 2015**

[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 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
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	(4/)	34,935	(4/)	17,079
2007	(4/)	34,838	(4/)	16,403
2008	(4/)	37,847	(4/)	17,340
2009	(4/)	36,890	(4/)	18,400
2010	(4/)	38,755	(4/)	(4/)
2011	(4/)	42,371	(4/)	(4/)
2012 4/	133,037	49,110	64,207	19,720
2013 4/	131,295	49,023	63,617	18,655
2014 4/ 5/	133,703	51,045	64,315	18,343
2015 4/	129,680	46,764	64,119	18,797

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. Confirmation of personnel count for 2004 to 2015 requested of Defense Manpower Data Center. See Table 10.04 for personnel count by location.

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

3/ Confirmation of personnel count for 2004 to 2015 requested of Defense Manpower Data Center. Not strictly comparable to civilian personnel counts elsewhere in the section.

4/ The DOD report containing number of dependents had not been released beyond FY 2005. Estimates of military dependents by other sources are available in Section 1. The DOD report containing the number of civilians had not been issued since FY2009. As of June 30, 2012 DMDC data are available for similar reporting.

5/ Civilian personnel as of June 30, 2014.

Source: U.S. Department of Defense, Defense Manpower Data Center, 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); "Active Duty Military Personnel by Service by Region/Country, Total - DOD September 30" (annual); *Distribution of Personnel by State and by Selected Locations, September 30* (annual) <<http://siadapp.dmdc.osd.mil/personnel/Pubs.htm>> accessed July 13, 2010; "Total Military Personnel and Dependent End Strength By Service, Regional Area, and Country" and "Total Civilian Personnel and Dependent End Strength By Service, Regional Area, and Country" (annual, as of September 30) <<https://www.dmdc.osd.mil/>> accessed November 24, 2015.

**Table 10.07-- DEPARTMENT OF DEFENSE PERSONNEL, BY SELECTED LOCATION:
SEPTEMBER 30, 2009**

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
State total	59,274	40,874	22,435	7,616	6,026	4,797	18,400	5,532	9,605	2,188	1,075
Aiea	428	329	3	323	-	3	99	-	89	-	10
Barbers Point NAS	187	66	1	64	-	1	121	3	28	26	64
Camp H.M. Smith	1,457	1,080	-	-	853	227	377	-	343	27	7
Ford Island	486	314	19	295	-	-	172	1	101	-	70
Fort Shafter	1,302	36	32	-	-	4	1,266	1,248	-	1	17
Hickam AFB	6,369	4,262	1	9	35	4,217	2,107	2	99	1,880	126
Honolulu	22,768	21,738	21,627	70	-	41	1,030	194	720	14	102
Kaneohe	6,423	5,729	6	796	4,926	1	694	-	622	-	72
Kauai Island	217	73	-	73	-	-	144	1	141	-	2
Kunia	1,851	1,734	1	1,597	135	1	117	43	72	2	-
Oahu Island	237	37	-	37	-	-	200	194	6	-	-
Pearl City	366	9	6	2	-	1	357	38	319	-	-
Pearl Harbor	6,700	3,854	1	3,696	75	82	2,846	3	2,406	-	437
Schofield Barracks	1,838	591	591	-	-	-	1,247	1,109	-	-	138
Tripler Army Med. Ctr.	2,043	18	-	15	-	3	2,025	2,015	10	-	-
Wahiawa	796	663	28	635	-	-	133	11	108	-	14
Wheeler AFB/Army Fld	722	173	1	-	-	172	549	421	-	112	16
Other	5,084	168	118	4	2	44	4,916	249	4,541	126	-

1/ Active duty. In some instances, the military departments, Army, Navy, and Air Force, report personnel by parent installation rather than their operating location and personnel on temporary duty (TDY) may be reported at their assigned 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 Army cemetery employees.

Source: U.S. Department of Defense, Defense Manpower Data Center, Statistical Information Analysis Division, Distribution of Personnel by State and by Selected Locations (M2), September 30, 2009, "DoD Military and Civilian Personnel by State - September 30, 2009"

<<http://siadapp.dmdc.osd.mil/personnel/M02/fy09/09top.htm>> accessed October 5, 2010.

Table 10.08-- FEDERAL DEFENSE EXPENDITURES PER CAPITA FOR HAWAII, THE UNITED STATES AVERAGE, EACH OF THE 50 STATES AND THE DISTRICT OF COLUMBIA, 2017

[In dollars. For fiscal year ending September 30]

Area	Total 1/	Contracts	Salaries and wages	Retirement benefits	Nonretirement benefits	Grants
U. S. average	1,484	834	414	174	44	18
Hawaii	5,092	1,261	3,292	367	83	89
Hawaii as % of U.S. average	343.1	151.2	795.2	210.9	188.6	494.4
Alabama	2,684	1,600	656	334	80	14
Alaska	4,622	1,757	2,298	376	150	41
Arizona	1,729	1,154	285	222	56	12
Arkansas	635	133	233	200	52	17
California	1,395	890	349	110	28	18
Colorado	1,898	892	606	290	85	25
Connecticut	4,302	4,013	167	68	23	31
Delaware	958	208	416	231	62	41
Dist. of Columbia	9,033	5,332	3,458	112	13	118
Florida	1,269	596	319	276	70	8
Georgia	1,610	681	594	244	81	10
Hawaii	5,092	1,261	3,292	367	83	89
Idaho	649	116	233	211	53	36
Illinois	703	422	180	70	19	12
Indiana	797	495	180	83	25	14
Iowa	697	477	95	90	21	14
Kansas	1,346	378	687	200	67	14
Kentucky	2,054	1,212	629	155	50	8
Louisiana	913	363	342	140	52	16
Maine	2,203	1,422	524	211	25	21
Maryland	3,885	2,280	1,206	272	46	81
Massachusetts	1,626	1,356	146	62	12	50
Michigan	488	271	120	63	16	18
Minnesota	938	735	90	71	17	25
Mississippi	1,875	1,072	503	217	54	29
Missouri	1,674	1,210	262	147	45	10
Montana	787	190	286	221	57	33
Nebraska	1,113	365	469	206	60	13
Nevada	1,093	434	334	264	53	8
New Hampshire	1,518	1,117	149	193	21	38
New Jersey	798	533	189	48	14	14
New Mexico	1,613	623	623	282	67	18
New York	510	327	116	40	10	17
North Carolina	1,365	321	691	258	81	14
North Dakota	1,309	265	794	157	64	29

Continued on next page.

Table 10.08-- FEDERAL DEFENSE EXPENDITURES PER CAPITA FOR HAWAII, THE UNITED STATES AVERAGE, EACH OF THE 50 STATES AND THE DISTRICT OF COLUMBIA, 2017 -- Con.

Area	Total 1/	Contracts	Salaries and wages	Retirement benefits	Nonretirement benefits	Grants
Ohio	731	335	266	96	22	12
Oklahoma	1,864	789	763	225	74	13
Oregon	504	217	121	124	21	21
Pennsylvania	1,069	734	203	95	20	17
Rhode Island	1,517	566	755	136	26	34
South Carolina	1,446	498	537	315	87	9
South Dakota	1,027	230	460	237	72	28
Tennessee	665	253	134	209	57	12
Texas	1,599	940	389	207	54	9
Utah	1,203	451	516	143	45	48
Vermont	838	481	160	138	22	37
Virginia	6,275	3,601	1,854	661	134	25
Washington	2,413	1,310	756	277	56	14
West Virginia	519	165	165	134	31	24
Wisconsin	600	397	86	80	18	19
Wyoming	1,129	173	518	236	76	126

1/ Contracts for purchases of goods and services includes military equipment, information technology, and operations and maintenance programs. Salaries and wages are for active-duty military, civilian, reserve, and National Guard personnel. Retirement benefits are payments to individuals for military pensions. Nonretirement benefits are payments for health care provided through the military's Tricare Management Program. Grants includes funding to state and local governments for programs such as National Guard activities, medical research and development, and basic and applied scientific research.

Source: Pew Trusts, "Levels and Types of Federal Defense Spending Differ Across States" (May 7, 2019) <<https://www.pewtrusts.org/en/research-and-analysis/articles/2019/05/07/levels-and-types-of-federal-defense-spending-differ-across-states>> accessed August 4, 2019; and calculations by Hawaii State Department of Business, Economic Development & Tourism.

Table 10.09-- DEPARTMENT OF DEFENSE SUMMARY OF SPENDING, PERSONNEL, AND PRIME CONTRACT AWARDS: 2016

[In persons and dollars as indicated. For fiscal year ending September 30]

Spending or personnel	Total	Honolulu	Hawaii	Maui 1/	Kauai
Total defense contracts spending 2/	1.7 B.	1.6 B.	12.8 M.	19.8 M.	87.3 M.
Total defense personnel spending 2/	4.7 B.	4.6 B.	16.9 M.	7.1 M.	23.5 M.
Total defense personnel 3/	84,673	79,999	602	232	448
Active duty	(NA)	53,190	33	18	108
Civilian	(NA)	20,616	186	70	184
Value of contract awards performed (\$ billion)	Total	Army	Navy & Marines	Air Force	Other defense
2009	2.3	(NA)	(NA)	(NA)	(NA)
2010	2.3	(NA)	(NA)	(NA)	(NA)
2011	2.4	(NA)	(NA)	(NA)	(NA)
2012	2.4	(NA)	(NA)	(NA)	(NA)
2013	2.3	(NA)	(NA)	(NA)	(NA)
2014	2.3	(NA)	(NA)	(NA)	(NA)
2015	1.9	(NA)	(NA)	(NA)	(NA)
2016	1.7	(NA)	(NA)	(NA)	(NA)
Percent of 2016 total	100	36	44	5	15
Personnel or spending	Total	Active duty	Civilian	National Guard & Reserve	
Total personnel	84,673	(NA)	(NA)	(NA)	
Percent	100	68	24	8	
Contracts (in percent)	100	(NA)	(NA)	(NA)	
Supply & equipment (in percent)	14	(NA)	(NA)	(NA)	
Research & dev. (in percent)	4	(NA)	(NA)	(NA)	
Service (in percent)	63	(NA)	(NA)	(NA)	
Construction (in percent)	19	(NA)	(NA)	(NA)	
Contractors receiving largest value of prime contract awards (\$ million)					
Contractor name	Amount	Contractor name		Amount	
Hawaii Independent Energy	103.6	BAE Systems		37.6	
Raytheon	75.2	Insight Pacific		28.6	
Hansel Phelps Construction	65.8	Y. Hata		27.2	
Manu Kai	61.1	NAN-Samsung		26.2	
J & J Worldwide Services	39.5	Brag Investments		25.2	

NA Not available.

1/ Includes Kalawao.

2/ 'Total' includes personnel and spending not identified by county.

3/ 'Total' includes uniformed National Guard and Reserve units not published separately.

Source: U.S. Department of Defense, Office of Economic Adjustment, "Defense Spending by State Fiscal Year 2016" <<http://oea.gov/resource/defense-spending-state-fiscal-year-2016>> accessed April 2, 2019.

Table 10.10-- DEPARTMENT OF DEFENSE SUMMARY OF SPENDING, PERSONNEL, AND PRIME CONTRACT AWARDS: 2017

[In persons and dollars as indicated. For fiscal year ending September 30]

Spending or personnel	Total	Honolulu	Hawaii	Maui 1/	Kauai
Total defense contracts spending 2/	1.8 B.	1.8 B.	23.0 M.	20.0 M.	94.7 M.
Total defense personnel spending 2/	4.7 B.	4.6 B.	22.1 M.	9.6 M.	24.3 M.
Total defense personnel 3/	64,366	62,506	665	249	404
Active duty	(NA)	35,148	15	11	80
Civilian	(NA)	18,749	172	62	164
Value of contract awards performed (\$ billion)	Total	Army	Navy & Marines	Air Force	Other defense
2010	2.3	(NA)	(NA)	(NA)	(NA)
2011	2.4	(NA)	(NA)	(NA)	(NA)
2012	2.4	(NA)	(NA)	(NA)	(NA)
2013	2.3	(NA)	(NA)	(NA)	(NA)
2014	1.8	(NA)	(NA)	(NA)	(NA)
2015	1.9	(NA)	(NA)	(NA)	(NA)
2016	1.7	(NA)	(NA)	(NA)	(NA)
2017	1.8	(NA)	(NA)	(NA)	(NA)
Percent of 2017 total	100	29	52	7	12
Personnel or spending	Total	Active duty	Civilian	National Guard & Reserve	
Total personnel	64,366	(NA)	(NA)	(NA)	
Percent	100	56	30	15	
Contracts (in percent)	100	(NA)	(NA)	(NA)	
Supply & equipment (in percent)	8	(NA)	(NA)	(NA)	
Research & dev. (in percent)	4	(NA)	(NA)	(NA)	
Service (in percent)	66	(NA)	(NA)	(NA)	
Construction (in percent)	22	(NA)	(NA)	(NA)	
Contractors receiving largest value of prime contract awards (\$ million)					
Contractor name	Amount	Contractor name		Amount	
BAE Systems	92.4	J & J Maintenance		35.6	
Manu Kai	67.4	Caddell-Nan, JV		33.8	
AECOM	52.7	Bethel-Webcor, JV-1		31.8	
Hansel Phelps Construction	44.0	Weitz		28.4	
Matson	40.3	Insight Pacific		27.7	

NA Not available.

1/ Includes Kalawao. Personnel count for Kalawao indicated as 'ND' as fewer than 10.

2/ 'Total' includes personnel and spending not identified by county.

3/ 'Total' includes uniformed National Guard and Reserve units not published separately.

Source: U.S. Department of Defense, Office of Economic Adjustment, "Defense Spending by State Fiscal Year 2017" <<http://www.oea.gov/resource/defense-spending-state-fiscal-year-2017>> accessed April 2, 2019.

**Table 10.11-- MILITARY PRIME CONTRACT AWARDS, BY TYPE:
1982 TO 2009**

[Prime contracts are generally reported at the location where the work is performed.
In thousands of dollars. Fiscal years ending September 30]

Year	Total contracts 1/	Supply & equipment	RDT & E 2/	Service	Construc- tion	Civil functions
1982	526,143	302,754	6,132	178,776	23,716	14,765
1983	638,975	299,980	9,812	266,583	38,708	23,892
1984	536,735	152,802	6,461	273,025	84,041	20,406
1985	626,153	164,785	10,697	311,800	129,602	9,269
1986	562,843	209,488	2,899	272,114	77,488	854
1987	461,449	20,608	8,722	353,911	71,020	7,188
1988	540,991	94,954	19,753	349,591	69,819	6,874
1989	578,733	61,147	16,639	402,465	90,464	8,018
1990	511,893	92,103	13,033	382,667	22,416	1,674
1991	697,127	85,019	8,448	438,969	163,462	1,229
1992	622,728	94,107	12,299	436,322	73,971	6,029
1993	631,021	87,337	14,526	450,026	71,841	7,291
1994	803,297	51,341	15,454	485,515	249,301	1,686
1995	673,641	74,468	14,634	441,001	136,734	6,804
1996	928,480	71,478	21,348	648,821	175,682	11,151
1997	957,354	87,353	24,698	607,753	228,980	8,570
1998	889,608	88,894	30,907	629,248	134,174	6,385
1999	984,849	127,356	23,762	669,912	161,327	2,492
2000	1,159,581	159,479	54,837	715,981	228,056	1,228
2001	1,307,383	166,011	60,444	770,412	307,504	3,012
2002	1,433,119	267,334	71,978	821,447	265,575	6,785
2003	1,807,956	487,571	121,356	917,498	275,269	6,262
2004	1,713,912	464,161	122,652	814,829	304,292	7,978
2005	1,990,800	620,449	143,736	971,889	253,496	1,230
2006	1,963,468	595,194	80,839	1,074,491	210,392	2,552
2007	2,158,038	379,521	104,122	1,260,315	414,080	(3/)
2008	2,258,591	437,344	67,840	1,222,919	530,488	(3/)
2009	2,377,271	423,610	96,892	1,398,698	458,071	(3/)

1/ 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. For FY 1982-83 procurement contracts greater than \$10,000 were reported. For FY 1984 to 2004, only reported for 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.

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

3/ Discrete reporting of Civil Functions contracts has been discontinued because these contracts are no longer identified in FPDS – NG as a separate contract type.

Source: U.S. Department of Defense, Defense Management Data Center, Statistical Information Analysis Division, *Atlas/Data Abstract for the United States and Selected Areas: Fiscal Year* (annual) and <<http://siadapp.dmdc.osd.mil/personnel/Pubs.htm>> accessed October 6, 2010.

Table 10.12-- MILITARY CONSTRUCTION PROJECTS IN HAWAII: 2018 TO 2020

[For fiscal year ending September 30. Authorization amount in thousands of dollars]

Year, branch and location	Facility category title	Construction project title	Amount
2018			310,068
Army			115,000
Fort Shafter	Airfield operational buildings	Command and control facility, increment 3	90,000
Pohakuloa Training Area	Enlisted personnel unaccompanied personnel housing	Operational readiness tng cplx (brks), phase1	25,000
Navy			184,568
Kaneohe Bay	Grounds fencing, gates & guard towers	Security improvements Mokapu Gate	26,492
Kaneohe Bay	Airfield runways	LHD pad conversions MV-22 landing pads	19,012
Wahiawa	Communication buildings	Communications/crypto facility	65,864
JBPH-H 1/	Sewage & ind. waste collection lines	Sewer lift station & relief sewer line	73,200
Air Force			5,500
JBPH-H 1/	Training buildings	Consolidated training facility	5,500
National Security Agency			5,000
Kunia	Electric power transmission & dist. lines	NSAH Kunia Tunnel entrance	5,000
2019			361,420
Army			155,000
Fort Shafter	Airfield operational buildings	Command and control facility, increment 4	105,000
Wheeler Army Air Field	Airfield taxiways	Rotary wing parking apron	50,000
Navy			189,420
Kaneohe Bay	Aircraft maintenance facilities	Corrosion control hangar	66,100
Pearl City	Potable water distribution system	Water transmission line	78,320
JBPH-H 1/	Ships & spares maintenance facilities	Drydock waterfront facility	45,000
Air Force			
JBPH-H 1/	Aircraft maintenance facilities	Construct addition to F-22 LO/CRF B3408	17,000

Continued on next page.

Table 10.12-- MILITARY CONSTRUCTION PROJECTS IN HAWAII: 2018 TO 2020 -- Con.

Year, branch and location	Facility category title	Construction project title	Amount
2020			315,540
Army Fort Shafter	Airfield operational buildings	Command and control facility, increment 5	60,000
Navy Kaneohe Bay	Enlisted personnel unaccompanied personnel housing	Bachelor enlisted quarters	187,840
West Loch	Depot & arsenal ammunition storage	Magazine consolidation, phase 1	134,050
Southern Command JBPH-H 1/	Training buildings	SOF Undersea Operational Training Facility	53,790
			67,700

1/ Joint Base Pearl Harbor- Hickam.

Source: U.S. Department of Defense, Office of the Under Secretary of Defense (Comptroller) Defense Budget Materials - FY2020, Military Construction, Family Housing, and Base Realignment and Closure Program (C-1) (March 11, 2019)

<https://comptroller.defense.gov/Portals/45/Documents/defbudget/fy2020/fy2020_c1.pdf> accessed March 11, 2019.

Table 10.13-- DEPARTMENT OF DEFENSE MILITARY PERSONNEL AND DEPENDENTS, BY SERVICE: 2006 TO 2015

[As of September 30]

Category	All services	Army	Navy	Marine Corps	Air Force
Military personnel 1/ 2/					
2006	34,935	18,687	6,080	5,050	5,118
2007	34,838	19,867	5,595	4,483	4,893
2008	37,847	21,554	5,320	6,306	4,667
2009	36,890	21,267	5,472	5,574	4,577
2010	38,755	22,186	5,402	6,532	4,635
2011	42,371	22,895	8,630	5,905	4,941
2012					
Total military and dependents 2/	113,317	(NA)	(NA)	(NA)	(NA)
Military personnel 1/	49,110	22,546	15,066	6,385	5,113
Family members 3/	64,207	(NA)	(NA)	(NA)	(NA)
2013					
Total military and dependents 2/	112,640	(NA)	(NA)	(NA)	(NA)
Military personnel 1/	49,023	21,718	14,647	7,371	5,287
Family members 3/	63,617	(NA)	(NA)	(NA)	(NA)
2014					
Total military and dependents 2/	115,360	(NA)	(NA)	(NA)	(NA)
Military personnel 1/	51,045	22,194	15,730	7,817	5,304
Family members 3/	64,315	(NA)	(NA)	(NA)	(NA)
2015					
Total military and dependents 2/	110,883	(NA)	(NA)	(NA)	(NA)
Military personnel 1/ 4/	46,764	17,832	16,024	7,777	5,131
Family members 3/	64,119	(NA)	(NA)	(NA)	(NA)

NA Not available.

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/ The DOD report containing number of dependents had not been released beyond FY 2005. Estimates of military dependents by other sources are available in Section 1. The DOD report containing the number of civilians had not been issued since FY2009. As of June 30, 2012 DMDC data is available for similar reporting.

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

4/ Confirmation of Army personnel count requested of Defense Manpower Data Center.

Source: U.S. Department of Defense, Defense Manpower Data Center, Statistical Information Analysis Division, "Active Duty Military Personnel by Service by Region/Country, Total - DOD September 30" (annual); *Worldwide Manpower Distribution by Geographical Area, September 30* (annual through 2005) <<http://siadapp.dior.whs.mil/personnel/Pubs.htm>> accessed May 31, 2006; *Distribution of Personnel by State and by Selected Locations, September 30* (annual) <<http://siadapp.dmdc.osd.mil/personnel/Pubs.htm>> accessed July 13, 2010; "Total Military Personnel and Dependent End Strength By Service, Regional Area, and Country" (annual) <<https://www.dmdc.osd.mil/appj/dwp/reports.do?category=reports&subCat=milActDutReg>> accessed November 24, 2015.

**Table 10.14-- DEPARTMENT OF DEFENSE CIVILIAN PERSONNEL,
BY SERVICE: 1990 TO 2018**

[As of September 30]

Year	All services	Army	Navy and Marine Corps			Air Force	Other defense activities
			Total	Navy	Marine Corps		
1990	19,857	5,548	11,951	(NA)	(NA)	2,244	114
1991	18,978	5,148	11,423	(NA)	(NA)	2,199	208
1992	17,893	4,933	10,886	(NA)	(NA)	1,431	643
1993	17,341	4,839	10,198	(NA)	(NA)	1,398	906
1994	17,038	4,647	9,923	(NA)	(NA)	1,371	1,097
1995	17,179	4,820	10,014	(NA)	(NA)	1,323	1,022
1996	16,824	4,936	9,564	(NA)	(NA)	1,275	1,049
1997	17,216	4,779	9,361	(NA)	(NA)	1,951	1,125
1998	16,028	4,437	9,237	(NA)	(NA)	1,269	1,085
1999	16,318	4,293	8,864	(NA)	(NA)	2,026	1,135
2000	16,723	4,471	8,999	(NA)	(NA)	2,074	1,179
2001	16,699	4,455	9,068	(NA)	(NA)	2,098	1,078
2002	16,508	4,441	8,925	(NA)	(NA)	2,075	1,067
2003	16,602	4,304	9,293	(NA)	(NA)	1,961	1,044
2004	16,576	4,302	9,230	(NA)	(NA)	1,966	1,078
2005	16,307	4,320	9,075	(NA)	(NA)	1,980	932
2006 1/	17,079	4,750	9,130	(NA)	(NA)	2,109	1,090
2007	16,403	4,662	8,922	(NA)	(NA)	2,042	777
2008 2/	16,902	4,805	9,117	8,560	557	2,007	973
2009 2/	17,828	5,212	9,472	8,829	643	2,106	1,038
2010 2/	18,908	5,701	9,938	9,209	729	2,176	1,093
2011 2/	19,198	5,766	10,555	9,865	690	1,808	1,069
2012 2/	19,244	5,723	10,650	9,990	660	1,795	1,076
2013 2/	18,265	5,347	10,112	9,434	678	1,764	1,042
2014 2/	18,057	5,139	10,100	9,417	683	1,787	1,031
2015 2/	18,487	5,104	10,336	9,680	656	1,762	1,285
2016 2/	18,733	5,126	10,568	9,932	636	1,772	1,267
2017 2/	18,739	5,137	10,682	10,071	611	1,674	1,246
2018 2/	19,064	5,171	11,145	10,532	613	1,554	1,194

NA Not available.

1/ No change in data but merely in source. The *Atlas* has been substituted for the *Distribution of Personnel by State and by Selected Locations, September 30, 2006*.

2/ The DOD reports containing the number of civilians had been discontinued. As of the reporting for September 30, 2008, Defense Manpower Data Center (DMDC) detailed APF (appropriated fund) data has been substituted which resulted in revision of the 2008 to 2015 data.

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) <<http://siadapp.dmdc.osd.mil/personnel/Pubs.htm>> accessed June 4, 2010; *Worldwide Manpower Distribution by Geographical Area* (annual) <<http://siadapp.dior.whs.mil/personnel/MMIDHOME.HTM>> accessed June 22, 2006; and "Counts of Active Duty and Reserve Service Members and APF Civilians By Location Country, Personnel Category, Service and Component" (annually September 30) <https://www.dmdc.osd.mil/appj/dwp/dwp_reports.jsp> accessed January 23, 2019.

Table 10.15 -- IMPACT OF A \$1 BILLION MILITARY EXPENDITURE: 2018

[Based on inter-industry relationships in 2012. Include direct, indirect, and induced impacts.
Industries sorted for greatest output impact]

Industry sector	Output (millions of dollars)	Labor income (millions of dollars)	Jobs (number)
Total	1,702.7	936.6	10,630
Federal government	820.0	670.1	5,794
Real estate and rentals	158.9	14.2	348
Other manufacturing	119.1	7.9	113
Health services	92.9	47.1	717
Mining and construction	62.2	25.2	267
Retail trade	57.1	19.8	509
Professional services	50.9	26.9	351
Business services	47.5	28.0	646
Wholesale trade	43.7	10.6	127
Finance and insurance	43.4	11.7	211
Other services	34.1	16.5	364
Utilities	32.7	4.4	29
Eating and drinking	28.7	10.6	345
Information	24.3	6.7	79
Transportation	22.8	7.2	120
State and local government	17.6	12.2	152
Food processing	11.8	2.2	52
Accommodation	11.7	3.7	54
Educational services	10.9	6.9	152
Agriculture	6.9	2.3	98
Arts and entertainment	5.4	2.3	102

Source: Hawaii State Department of Business, Economic Development & Tourism based on Hawaii State Department of Business, Economic Development & Tourism, *2012 State Input-Output Study* (March 2016) <http://dbedt.hawaii.gov/economic/reports_studies/2012-io/> accessed July 1, 2019.

Table 10.16-- FEDERAL EXPENDITURES FOR ARMY AND AIR NATIONAL GUARD: 2015

[In dollars. For fiscal year ending September 30]

Category	Army National Guard	Air National Guard
Total Federal support	116,690,156	210,990,376
Total funds allotted to U.S. Property & Fiscal Office	54,394,549	170,181,795
National Guard personnel appropriations	1,366,869	1,968,083
Military pay, transportation, and travel	230,700	1,709,884
Military uniform	204,420	146,803
Subsistence	931,749	111,396
Oper. and maint., military constr. approp.	53,027,680	168,213,712
Civilian pay	27,745,044	76,458,700
Transportation and travel	785,632	-
Personnel deployments	-	1,037,260
Equip., supplies & services operations & maint.	24,497,004	90,717,752
Equipment supplies	952,364	347,100
Supplies	716,805	4,084,702
Depot level reparable	-	176,136
Aviation fuel 1/	2,002,212	52,369,734
Other operating supplies & service	2,715,960	1,313,830
Major construction	-	17,808,000
Architectural and engineering services	2,100,000	1,045,000
Minor construction/major repairs	6,467,856	7,330,273
Operations & maintenance agreements	9,541,807	6,242,977
Total funds provided by National Guard Bureau	62,289,607	40,808,581
Annual training pay	5,753,876	3,009,027
Other active duty pay	1,559,841	4,432,614
Inactive duty training pay	12,647,625	14,431,797
Basic training pay	3,686,067	1,184,778
Active Guard Reserve pay	38,642,198	17,750,365

Source: Hawaii Department of Defense, *Annual Report Fiscal Year 2015* <<http://dod.hawaii.gov/department-info/annual-reports/>> accessed August 8, 2019; and calculations by the Hawaii Department of Business, Economic Development & Tourism.

Table 10.17-- ARMY AND AIR NATIONAL GUARD STRENGTH: 1980 TO 2015

[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/	> 5,300	> 3,000		> 2,300		
2006 2/	5,300	3,000		2,300		
2007 1/	> 4,970	> 2,680		2,290		
2008 1/	> 5,000	> 2,800		> 2,200		
2009 1/	> 5,300	3/	2,900	> 2,400		
2010 1/	> 5,500	3/	3,000	> 2,500		
2011 1/	2/ 5,500	4/	> 3,000	> 2,500		
2012	2/ 5,500	3/ 5/	2,900	2/ 6/	2,500	
2013 1/	2/ 5,500	7/	> 3,000	2/ 6/	2,500	
2014 1/	2/ 5,500	7/	> 3,000	2/ 6/	2,500	
2015 1/	2/ 5,500	7/	> 3,000	2/ 6/	2,500	

1/ Angled bracket open to left indicates 'greater than'.

2/ Counts approximate.

3/ Count reported as 'nearly' number shown.

4/ Authorized as of June 30, 2010.

5/ As of June 30, 2011.

6/ Authorized as of July 1.

7/ As of September of year indicated.

Source: Hawaii State Department of Defense, *Annual Report Fiscal Year* (annual), Ibid. *Annual Report for Fiscal Year* (2007 to 2015) <<http://dod.hawaii.gov/departments-info/annual-reports/>> accessed July 15, 2016; and records.

Table 10.18-- CIVILIAN EMPLOYMENT IN THE FEDERAL GOVERNMENT, DEPARTMENT OF DEFENSE, AND PEARL HARBOR NAVAL SHIPYARD: ANNUAL AVERAGE, 1990 TO 2018

[According to the North American Industrial Classification System (NAICS) adopted in 1997. Data are rounded to the nearest 100, except for 2001 to 2009 which are rounded to the nearest 50]

Year	Federal gov't	Dept. of Defense	Naval Shipyard	Year	Federal gov't	Dept. of Defense	Naval Shipyard
1990	34,200	19,400	(1/)	2005	31,300	16,350	4,150
1991	33,900	18,800	(1/)	2006	31,850	16,650	4,200
1992	33,300	18,100	(1/)	2007	31,750	16,400	4,000
1993	31,800	17,400	(1/)	2008	32,200	16,550	4,100
1994	31,300	16,900	(1/)	2009	33,300	17,500	4,200
1995	31,100	16,800	(1/)	2010	34,800	18,500	4,300
1996	31,100	16,800	(1/)	2011	34,900	19,100	4,300
1997	30,700	17,300	(1/)	2012	34,900	19,100	4,500
1998	30,400	16,900	(1/)	2013	33,900	18,300	4,300
1999	30,300	16,600	(1/)	2014	33,200	17,900	4,500
2000	31,000	16,400	(1/)	2015	33,100	18,100	4,800
2001	30,100	16,500	4,700	2016	33,200	(2/)	(2/)
2002	30,650	16,700	4,950	2017 3/	33,400	(2/)	(2/)
2003	31,650	16,650	4,750	2018 3/	33,600	(2/)	(2/)
2004	31,450	16,600	4,250				

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

2/ Data were benchmarked by Hawaii Department of Labor and Industrial Relations in March 2019.

3/ Series discontinued.

Source: Hawaii State Department of Labor and Industrial Relations, Current Employment Statistics, Historical Jobcount by Industry - Annual "State of Hawaii Not Seasonally Adjusted Jobcount By Detailed Industry" <<http://www.hiwi.org/gsipub/index.asp?docid=421>> accessed March 8, 2019.

Table 10.19-- SELECTIVE SERVICE REGISTRATION FOR HAWAII AND THE UNITED STATES: 2012 TO 2017

[Fiscal year ending September 30 for 2012 to 2014, and FY 2015 and FY 2016 reports show calendar year, and FY 2017 report shows both calendar and fiscal year]

Subject	Registrants 1/	
	Hawaii	United States 2/
FY 2012		
Entire registrant group, 18 - 25 years old, born 1987-1994	64,018	15,825,085
Draft eligible men, 20 - 25 years old, born 1987 - 1992	53,000	12,979,918
FY 2013		
Entire registrant group, 18 - 25 years old, born 1988-1995	65,314	16,086,242
Draft eligible men, 20 - 25 years old, born 1988 - 1993	53,688	13,134,801
FY 2014		
Entire registrant group, 18 - 25 years old, born 1989-1996	65,513	16,202,005
Draft eligible men, 20 - 25 years old, born 1989 - 1994	54,240	13,234,298
CY 2014		
Entire registrant group, 18 - 25 years old, born 1989-1996	68,522	16,902,602
Draft eligible men, 20 - 25 years old, born 1989 - 1994	55,009	13,393,444
CY 2015		
On-time registration eligible men, 18 years old, born 1997	5,922	1,583,759
Entire registrant group, 18 - 25 years old, born 1990-1997	68,594	16,949,847
Draft eligible men, 20 - 25 years old, born 1990 - 1995	55,055	13,422,738
CY 2016		
On-time registration eligible men, 18 years old, born 1998	5,918	1,557,181
Entire registrant group, 18 - 25 years old, born 1991-1998	68,270	16,829,936
2017		
On-time registration eligible men CY 2017, 18 years old, born 1998	5,916	1,537,754
Entire registrant group FY 2017, 18 - 25 years old, born 1991-1998	66,500	16,694,295

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 Dist. 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)
 <<https://www.sss.gov/Reports/Annual-Report-to-Congress>> accessed April 23, 2019 and records.

**Table 10.20-- ARMED SERVICES VOCATIONAL APTITUDE BATTERY (ASVAB)
INELIGIBILITY RATE, BY RACE/ETHNICITY, BY STATE: 2009**

[High school graduates who did not meet the minimum standard necessary to enlist in the U.S. Army.
As of September 30]

State 1/	Total		African American		Hispanic		White	
	Number	%	Number	%	Number	%	Number	%
United States	348,203	22.6	64,084	38.7	40,771	29.1	201,501	16.4
Alaska	1,198	20.5	112	28.6	56	16.1	636	10.5
Alabama	8,193	28.2	3,067	44.3	99	21.2	3,825	20.4
Arkansas	5,573	27.7	1,304	47.2	147	20.4	3,436	21.2
Arizona	7,526	19.6	302	25.5	1,774	29.0	4,039	12.1
California	31,669	24.1	2,893	36.6	10,213	30.8	13,471	15.7
Colorado	4,857	17.6	375	33.1	754	28.4	3,400	12.9
Connecticut	2,911	24.0	397	41.8	523	39.2	1,785	15.2
District of Columbia	345	32.5	204	37.7	(2/)	(2/)	104	23.1
Delaware	900	26.0	303	42.2	50	32.0	446	17.3
Florida	19,734	20.9	4,711	33.7	3,775	26.6	10,022	13.0
Georgia	13,597	25.2	6,495	34.4	377	20.4	5,452	16.8
Hawaii	2,307	38.3	(2/)	(2/)	134	34.3	149	20.1
Iowa	3,967	18.6	160	33.1	108	30.6	3,446	17.3
Idaho	2,121	14.1	(2/)	(2/)	136	28.7	1,788	12.7
Illinois	11,861	24.0	2,672	41.5	1,168	29.0	7,146	16.3
Indiana	6,965	13.1	644	28.9	192	16.1	5,252	10.1
Kansas	4,099	21.1	419	41.1	207	20.8	2,931	19.0
Kentucky	5,907	24.0	648	36.6	101	25.7	4,931	22.2
Louisiana	6,079	30.9	2,371	47.0	89	23.6	2,791	21.8
Massachusetts	5,301	19.6	213	35.2	635	40.5	2,831	15.2
Maryland	5,966	26.6	1,465	36.4	235	30.6	2,710	27.0
Maine	1,656	19.0	(2/)	(2/)	(2/)	(2/)	1,539	18.4
Michigan	11,346	20.5	1,644	42.7	303	24.4	8,695	16.3
Minnesota	4,998	15.9	255	40.0	155	20.0	4,007	14.1
Missouri	8,063	21.8	976	35.6	142	21.8	5,807	18.7
Mississippi	5,138	37.8	3,011	50.1	(2/)	(2/)	1,909	20.0
Montana	1,309	18.1	(2/)	(2/)	28	14.3	1,034	13.4
North Carolina	13,473	23.4	4,824	35.7	488	20.5	6,450	15.3
North Dakota	795	16.0	(2/)	(2/)	(2/)	(2/)	649	12.3
Nebraska	2,711	14.6	175	33.7	136	30.1	2,176	11.2
New Hampshire	1,300	14.7	(2/)	(2/)	(2/)	(2/)	931	15.1
New Jersey	6,455	26.5	1,307	33.7	1,479	34.1	2,749	20.6
New Mexico	2,652	28.2	91	37.4	984	32.4	1,056	17.5
Nevada	2,503	18.6	255	36.1	415	26.7	1,523	12.9
New York	12,736	21.1	2,183	29.4	2,154	31.2	7,035	15.4
Ohio	14,830	18.0	1,931	35.1	279	23.3	11,744	15.4
Oklahoma	5,667	23.2	770	39.5	290	23.4	3,830	19.3
Oregon	3,674	18.0	73	16.4	239	29.7	2,752	15.2

Continued on next page.

**Table 10.20-- ARMED SERVICES VOCATIONAL APTITUDE BATTERY (ASVAB)
INELIGIBILITY RATE, BY RACE/ETHNICITY, BY STATE: 2009-- Con.**

State 1/	Total		African American		Hispanic		White	
	Number	%	Number	%	Number	%	Number	%
Pennsylvania	13,146	21.6	1,729	40.2	763	38.1	9,910	17.6
Rhode Island	1,090	23.6	57	36.8	131	39.7	667	21.3
South Carolina	8,557	29.5	3,793	42.3	119	27.7	3,573	21.0
South Dakota	993	17.1	(2/)	(2/)	(2/)	(2/)	809	12.7
Tennessee	8,671	25.1	2,080	41.9	162	28.4	5,809	18.9
Texas	34,093	22.4	5,523	32.9	10,094	27.8	15,432	15.9
Utah	2,354	16.7	(2/)	(2/)	166	31.3	1,769	14.0
Virginia	11,086	25.5	4,207	38.6	479	21.7	5,452	17.0
Vermont	886	20.4	(2/)	(2/)	(2/)	(2/)	806	19.9
Washington	5,571	16.4	303	32.7	434	25.3	3,488	12.3
Wisconsin	8,060	18.9	793	46.9	331	26.9	6,443	14.6
West Virginia	2,760	20.9	121	39.7	(2/)	(2/)	2,402	20.0
Wyoming	554	13.0	(2/)	(2/)	(2/)	(2/)	464	11.2

1/ Including the District of Columbia.

2/ Number suppressed. State had fewer than 50 applicants.

Source: Education Trust, *Shut Out of the Military* (December 20, 2010)

<http://edtrust.org/wp-content/uploads/2013/10/ASVAB_4.pdf> accessed July 13, 2016.

**Table 10.21-- MILITARY PRIME CONTRACT AWARDS, BY PROGRAM:
2005 TO 2009**

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

Procurement program	2005	2006	2007 1/	2008 1/	2009 1/
Total	1,990,796	1,963,465	2,158,038	2,258,586	2,377,271
Aircraft engines & spares	502	5	(NA)	(NA)	(NA)
Airframes & spares	50,638	3,316	(NA)	(NA)	(NA)
All other supplies & equipment	118,208	162,089	(NA)	(NA)	(NA)
Ammunition	-	10	(NA)	(NA)	(NA)
Building supplies	38	48	(NA)	(NA)	(NA)
Combat vehicles	86	-	(NA)	(NA)	(NA)
Construction	524,526	537,211	(NA)	(NA)	(NA)
Construction equipment	194	18	(NA)	(NA)	(NA)
Containers and handling equip.	1	20	(NA)	(NA)	(NA)
Electronics & communication equip.	40,540	53,140	(NA)	(NA)	(NA)
Materials handling equipment	17	170	(NA)	(NA)	(NA)
Medical & dental supplies & equip.	289,584	68,485	(NA)	(NA)	(NA)
Missile & space systems	57,273	5,498	(NA)	(NA)	(NA)
Non-combat vehicles	168	191	(NA)	(NA)	(NA)
Other aircraft equipment	1,495	1,191	(NA)	(NA)	(NA)
Other fuels and lubricants	49	1,056	(NA)	(NA)	(NA)
Petroleum	136,343	300,615	(NA)	(NA)	(NA)
Photographic supplies & equip.	190	239	(NA)	(NA)	(NA)
Production equipment	94	467	(NA)	(NA)	(NA)
Services	627,146	708,590	(NA)	(NA)	(NA)
Ships	85,705	71,235	(NA)	(NA)	(NA)
Subsistence	48,904	40,678	(NA)	(NA)	(NA)
Textiles, clothing, & equipage	-	32	(NA)	(NA)	(NA)
Transportation equipment	7	-	(NA)	(NA)	(NA)
Weapons	9,086	9,162	(NA)	(NA)	(NA)

NA Not available.

1/ 2007 and 2008 had been revised in *Data Book 2009* 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. *Data Book* updates are 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/proccstat.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 4, 2010.

**Table 10.22-- DEPARTMENT OF DEFENSE PRIME CONTRACTS, BY BRANCH:
1981 TO 2009**

[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	1,159,581	243,813	618,071	168,588	129,109
2001	1,307,383	384,619	675,946	93,020	153,798
2002	1,433,119	347,108	771,034	156,322	158,655
2003	1,807,959	395,465	713,601	253,198	445,695
2004	1,713,892	529,634	584,625	223,409	376,223
2005	1,990,796	521,085	556,978	380,830	531,903
2006	1,963,465	602,972	537,112	344,093	479,288
2007	2,158,036	661,531	922,289	297,619	276,597
2008	2,258,586	702,832	900,966	301,654	353,134
2009	2,377,271	789,207	991,132	269,204	327,728

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

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

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 4, 2010.

Table 10.23-- DEPARTMENT OF DEFENSE PRIME CONTRACT AWARDS, BY COUNTY, BY DEFENSE COMPONENT: 2007 TO 2009

[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
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 2/	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/	2,258,586	(NA)	(NA)	(NA)	(NA)
Army	702,832	(NA)	(NA)	(NA)	(NA)
Navy 2/	900,966	(NA)	(NA)	(NA)	(NA)
Air Force	301,651	(NA)	(NA)	(NA)	(NA)
Civil functions: Corps of Eng. 3/	(NA)	(NA)	(NA)	(NA)	(NA)
Other defense activities 4/	353,134	(NA)	(NA)	(NA)	(NA)
2009 1/	2,377,271	(NA)	(NA)	(NA)	(NA)
Army	789,207	(NA)	(NA)	(NA)	(NA)
Navy 2/	991,132	(NA)	(NA)	(NA)	(NA)
Air Force	269,204	(NA)	(NA)	(NA)	(NA)
Civil functions: Corps of Eng. 3/	(NA)	(NA)	(NA)	(NA)	(NA)
Other defense activities 4/	327,728	(NA)	(NA)	(NA)	(NA)

NA Not available.

1/ The 2008 and 2009 estimates are 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 <<http://www.usaspending.gov>> also contains current DoD procurement data. *Data Book* updates are based on those data/sites.

2/ Refers to the Department of the Navy which also includes the Marine Corps.

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

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

Source: U.S. Department of Defense, Defense Manpower Data Center, Statistical Information Analysis Division, 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 4, 2010.

Table 10.24-- MILITARY SUBCONTRACTING PROGRAM: 2004 TO 2007

[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	2004	2005	2006 1/	2007 1/
Hawaii number of contractors	48	41	41	46
Hawaii total contracts	196,793	204,533	319,430	226,920
Large business	73,876	87,310	119,085	90,917
Small business	122,917	117,223	200,345	136,003
Small disadvantaged business	21,583	34,370	25,850	22,352
Women-owned business	15,931	11,633	42,454	13,511
HBCU/MI 2/	133	31	208	25
HUBZone 3/	6,109	2,747	16,399	17,328
Veteran-owned	13,269	19,536	17,459	9,322
Service-disabled veteran-owned	219	282	467	646
Hawaii contracts as percent of total	100.0	100.0	100.0	100.0
Large business	37.5	42.7	37.3	40.1
Small business	62.5	57.3	62.7	59.9
Small disadvantaged business	11.0	16.8	8.1	9.9
Women-owned business	8.1	5.7	13.3	6.0
HBCU/MI 2/	0.1	(4/)	0.1	(4/)
HUBZone 3/	3.1	1.3	5.1	7.6
Veteran-owned	6.7	9.6	5.5	4.1
Service-disabled veteran-owned	0.1	0.1	0.1	0.3
United States number of contractors	1,639	1,625	1,493	1,665
United States total contracts	101,677,468	120,947,969	106,472,454	127,759,431
Large business	66,571,644	77,332,006	66,906,557	81,813,737
Small business	35,105,824	43,615,963	39,565,897	45,945,694
Small disadvantaged business	4,135,337	5,363,344	5,091,551	5,477,611
Women-owned business	4,946,268	5,956,704	5,817,559	6,889,642
HBCU/MI 2/	233,540	145,624	60,818	35,603
HUBZone 3/	1,083,164	1,434,765	1,786,961	2,202,706
Veteran-owned	2,744,357	3,447,490	3,705,866	5,158,454
Service-disabled veteran-owned	449,021	519,237	718,462	1,126,388

Continued on next page.

Table 10.24-- MILITARY SUBCONTRACTING PROGRAM: 2004 TO 2007 -- Con.

Procurement program	2004	2005	2006 1/	2007 1/
U.S. contracts as percent of total	100.0	100.0	100.0	100.0
Large business	65.5	63.9	62.8	64.0
Small business	34.5	36.1	37.2	36.0
Small disadvantaged business	4.1	4.4	4.8	4.3
Women-owned business	4.9	4.9	5.5	5.4
HBCU/MI 2/	0.2	0.1	0.1	(4/)
HUBZone 3/	1.1	1.2	1.7	1.7
Veteran-owned	2.7	2.9	3.5	4.0
Service-disabled veteran-owned	0.4	0.4	0.7	0.9

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. FY2007 has been released but future *Data Book* updates of military subcontracting are expected to be based on the migrated data/sites.

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

3/ HUBZone Historically underutilized business zone.

4/ Less than 0.1 percent.

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/proctat.html> accessed November 8, 2010 and calculations by Hawaii State Department of Business, Economic Development & Tourism.

**Table 10.25-- DEPARTMENT OF DEFENSE PROCUREMENT CONTRACTS
AWARDED, BY SELECTED TYPE OF BUSINESS: 2014 TO 2018**

[In thousands of dollars unless otherwise indicated. Fiscal year ending September 30. Contracts are for Hawaii as as the 'Place of Performance' which is defined as the location where the items will be produced, manufactured, mined, or grown or where the service will be performed. Contract action is any oral or written action that results in the purchase, rent, or lease of supplies or equipment, services, or construction using appropriated dollars over the micro-purchase threshold, or modifications to these actions regardless of dollar value. See also <https://www.fpds.gov/wiki/index.php/FPDS-NG_FAQ>. Components may not add to total or subtotal as not are specifically shown. Negative values may reflect refunds, or other contract adjustments. Data extracted from dynamic database may result in change in one or more items which are not indicated as revisions below]

Category 1/	2014	2015	2016	2017	2018
Total contract actions (number) 2/	17,641	30,077	24,399	54,878	55,711
Total contract actions value 2/	2,156,988	1,729,370	1,852,489	1,795,898	2,032,060
Small business 2/	1,016,145	868,501	1,066,437	887,745	983,712
Small business as share of total (%) 2/	47.1	50.2	57.6	49.4	48.4
Small disadvantaged business 2/	613,479	549,506	711,106	518,478	530,545
Women-owned business	163,369	143,392	185,519	174,457	187,584
HUBZone 3/	102,910	88,000	128,259	91,354	102,606
Veteran-owned 2/	120,904	125,291	145,073	142,045	231,230
Service-disabled veteran-owned 2/	92,904	68,577	74,306	86,640	109,520
8(a) firm 2/	398,008	311,918	369,395	349,533	309,241
Javits-Wagner-O'Day Program	21,291	19,901	24,035	23,574	23,461
HBCU 4/	-	-	-	-	-
Educational institutions	23,611	15,621	21,852	9,397	15,091
Asian Pacific	308,517	277,442	284,091	293,491	355,906
Minority institutions	40	-	-	-	-
Local government	1,653	1,120	2,200	2,412	2,160
State government	29,846	20,186	27,774	15,696	18,575
U.S. Tribal government	-	-	-	-	-
American Indian	13,733	11,487	17,304	38,193	23,494
Native American	239,327	189,189	313,387	175,940	147,574
Indian tribe 5/	7,685	5,737	6,822	29,395	8,707
Native Hawaiian-owned 2/	142,164	125,873	162,713	157,660	153,688
Tribally-owned	62,680	11,587	45,271	70,475	30,091
Alaskan Native-owned	94,751	50,026	143,964	115,887	71,300
Asian Indian	22,552	66,265	43,700	19,877	45,331
Minority-owned	682,135	627,343	682,424	552,164	609,440
Black-owned	18,807	18,402	28,216	21,235	45,252
Hispanic-owned	59,385	52,233	35,898	41,404	31,387
Non-profit organization 2/	23,867	20,717	25,076	24,678	24,368
Emerging small business	126,658	70,142	26,049	-952	-1,226
Hospital	138	97	93	87	-132

1/ After 2009, DOD data 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.

2/ 2016 revised from previous *Data Book*.

3/ HUBZone Historically underutilized business zone.

4/ HBCU Historically Black Colleges and Universities.

5/ Federally recognized.

Source: Federal Procurement Data System - Next Generation, Geographic Report by Place of Performance, FY 2014 and FY 2015 <https://www.fpds.gov/fpdsng_cms/index.php/en/> accessed June 24, 2016; FY 2016 and FY 2017 <https://www.fpds.gov/fpdsng_cms/index.php/en/> accessed March 16, 2018, FY 2018 accessed July 13, 2019; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 10.26-- DEPARTMENT OF DEFENSE PRIME PROCUREMENT
CONTRACTS FOR HAWAII AND THE UNITED STATES:
1998 TO 2018**

[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. In thousands of dollars and number of transactions. Transactions include the initial contract award and all amendments or modifications to that award. Fiscal years ending September 30.

Note: Federal Procurement Data System (FPDS) requires a simple registration consisting of an email but anyone is invited to become a public user]

Year	Hawaii		United States 1/	
	Amount (\$1,000)	Number	Amount (\$1,000)	Number
1998	888,664	3,659	112,363,282	268,715
1999	984,270	3,818	117,592,409	279,061
2000	1,159,555	6,226	125,180,289	316,958
2001	1,307,175	6,186	137,724,643	336,704
2002	1,434,540	8,523	161,416,533	472,007
2003	1,810,699	13,021	195,894,136	593,073
2004	1,783,119	15,551	205,854,664	739,310
2005	2,008,499	55,028	239,372,513	3,251,629
2006	1,958,159	39,286	262,131,223	3,183,594
2007	2,160,199	37,277	298,898,253	3,246,996
2008	2,307,281	33,719	354,986,924	3,356,961
2009	2,383,515	33,066	331,119,808	3,241,852
2010	2,365,417	34,009	323,248,858	3,309,741
2011	2,820,646	35,659	329,439,997	13,589,009
2012	2,551,348	31,771	319,342,497	12,425,461
2013	1,657,042	16,077	268,803,841	9,336,205
2014	2,154,034	17,343	260,750,333	11,512,902
2015	1,730,459	30,097	253,322,049	11,775,750
2016	1,852,489	24,400	278,922,966	12,291,629
2017 2/	1,809,575	54,975	300,629,951	12,673,084
2018	2,032,060	55,711	336,147,925	35,028,378

1/ Includes all 50 states, the District of Columbia, and territories of American Samoa, Guam, Puerto Rico, the Virgin Islands, and the Northern Marianas, and selected contracts of the armed forces in Europe.

2/ Revised from previous *Data Book*.

Source: Federal Procurement Data System, Standard Reports by Place of Performance, FY1998 to FY2016 <https://www.fpds.gov/fpdsng_cms/index.php/en/> accessed July 25, 2018, and FY2017 and FY2018 <https://www.fpds.gov/fpdsng_cms/index.php/en/> accessed July 23, 2019.

Table 10.27-- SELECTED CHARACTERISTICS OF MILITARY INSTALLATIONS, BY SITE: SEPTEMBER 30, 2016

Site	Name of nearest city	Buildings owned 1/		Buildings other than owned or leased 1/		Acreage		PRV 2/ (\$mil.)
		Number	Square feet	Number	Square feet	Total	Owned	
Hawaii total		4,857	43,683,659	7,063	26,931,683	59,795	35,188	56,365.4
Army total		1,619	15,837,353	3,759	14,429,048	321	297	20,129.3
Army National Guard	Kapolei	25	656,423	-	-	316	292	489.4
NG Kalaeloa		25	656,423	-	-	316	292	489.4
27 other Army sites 3/		1,594	15,180,930	3,759	14,429,048	5	5	19,639.9
Air Force total		160	458,207	14	103,349	1,266	411	662.3
Air Force active		115	200,852	-	-	639	409	310.8
Bellows Air Force Station	Kailua	90	129,791	-	-	486	409	221.3
Kaena Point Satellite Tracking Station	Waianae	25	71,061	-	-	153	-	89.5
Air National Guard	Kekaha	4	31,016	-	1	11	-	36.9
Barking Sands Communication Station		4	31,016	-	1	11	-	36.9
18 other Air Force sites 3/		41	226,339	14	103,348	616	2	314.6
Marine Corps total		656	6,267,695	1,081	3,866,478	4,695	3,364	7,250.4
Marine active		656	6,267,695	1,081	3,866,478	4,450	3,177	7,249.0
Marine Corps Training Area Bellows	Waimanalo	15	116,479	-	-	1,030	28	124.4
Marine Corps Base Camp Smith	Aiea	51	914,679	9	19,010	221	219	707.6
Marine Corps Base Hawaii Kaneohe	Kaneohe	553	4,917,734	919	3,417,954	2,955	2,686	6,056.8
Marine Corps Base Manana Capehart	Pearl City	7	14,484	153	429,514	52	52	193.8
Marine Corps Base Hawaii Pearl City Annex	Pearl City	7	255,513	-	-	27	27	93.8
Marine Corps Base Hawaii Puuloa-Oahu	Ewa Beach	23	48,806	-	-	165	165	72.6
3 other Marine sites 3/		-	-	-	-	245	187	1.4

Continued on next page.

**Table 10.27-- SELECTED CHARACTERISTICS OF MILITARY INSTALLATIONS, BY SITE:
SEPTEMBER 30, 2016 -- Con.**

Site	Name of nearest city	Buildings owned 1/		Buildings other than owned or leased 1/		Acreage		PRV 2/ (\$mil.)
		Number	Square feet	Number	Square feet	Total	Owned	
Navy total		2,422	21,120,405	2,209	8,532,809	53,514	31,115	28,323.5
Navy active		2,414	21,103,483	2,199	8,514,385	41,475	25,261	26,931.7
AF Facilities Hawaii	Kekaha	3	31,156	-	-	11	11	21.1
Aiea	Aiea	20	41,221	136	327,409	93	92	175.9
Camp Stover	Wheeler AF Base	1	169	60	316,502	35	35	125.6
Caretaker Site Office Barbers Point HI	Barbers Point	-	-	-	-	678	678	123.4
Ewa	Ewa Beach	218	877,560	-	-	2,323	2,309	787.3
Ford Island	Ford Island	90	1,331,345	63	460,167	445	445	1,693.7
Halawa Housing	Aiea	5	1,603	22	117,216	23	21	53.5
Halawa water storage tanks	Pearl Harbor	-	-	-	-	13	12	111.2
Hale Keiki	Pearl Harbor	7	26,239	-	-	13	11	18.2
Hickam Petroleum Storage Annex	Hickam AF Base	6	7,247	-	-	96	35	422.8
Honolulu	Pearl Harbor	149	1,620,601	1,089	4,232,077	1,058	1,053	2,711.1
Kalaeloa	Barbers Point	161	947,120	-	-	164	163	708.2
Kamokala Ridge	Kekaha	13	27,410	-	-	267	-	22.1
Makaha Ridge	Kokee	16	29,965	-	-	243	-	44.4
Manana Housing/Pw Area	Pearl City	1	775	49	125,391	23	23	53.5
Naval Station Pearl Harbor	Pearl Harbor	946	13,495,837	427	1,643,291	6,179	6,129	15,872.1
PACMISRANFAC Hawaiian Area	Kekaha	221	566,639	41	79,920	17,445	1,924	826.7
Pearl City	Pearl City	35	272,218	252	978,603	629	625	743.6
Red Hill Tank Site	Honolulu	11	12,496	-	-	256	249	657.2
Wahiawa	Wahiawa	114	755,137	60	233,809	712	689	686.9
Waianae	Lualualei	375	1,021,316	-	-	9,228	9,228	793.1
Waiawa Well Site	Waipahu	3	1,250	-	-	85	75	11.3
Waipahu	Waipahu	19	36,179	-	-	1,456	1,454	268.8
61 other Navy sites 3/		8	16,922	10	18,424	12,039	5,854	1,391.8

Continued on next page.

**Table 10.27-- SELECTED CHARACTERISTICS OF MILITARY INSTALLATIONS, BY SITE:
SEPTEMBER 30, 2016 -- Con.**

1/ This report also inventories leased buildings (60) and square footage (513,803).

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/ United States locations must be larger than 10 acres and greater than \$10 million PRV (plant replacement value).

Source: U.S. Department of Defense, Office of the Deputy Under Secretary of Defense (Installations & Environment), *Base Structure Report Fiscal Year 2017 Baseline (A Summary of DoD's Real Property Inventory)* <<https://www.acq.osd.mil/eie/Downloads/BSI/Base%20Structure%20Report%20FY17.pdf>> accessed April 2, 2019; and calculations by Hawaii State Department of Business, Economic Development & Tourism.

Table 10.28-- SELECTED CHARACTERISTICS OF MILITARY INSTALLATIONS, BY SITE: SEPTEMBER 30, 2017

Site	Name of nearest city	Buildings owned 1/		Buildings other than owned or leased 1/		Acreage		PRV 2/ (\$mil.)
		Number	Square feet	Number	Square feet	Total	Owned	
Hawaii total		4,872	44,112,009	8,111	33,386,223	228,639	162,076	63,634.9
Army total		1,625	15,989,013	3,040	13,891,118	169,272	127,296	20,660.0
Army active		1,368	13,371,388	2,753	12,918,346	150,935	126,982	17,656.2
Aliamanu Military Reservation	Honolulu	103	281,356	755	2,315,817	531	520	1,324.1
Dillingham Military Res	Waialua	4	3,696	-	-	664	628	45.7
Fort DeRussy	Honolulu	15	796,822	-	-	72	70	342.4
Fort Shafter	Honolulu	153	1,749,915	141	373,996	602	585	1,466.2
Helemano Military Reservation	Wahiawa	21	318,272	216	1,556,062	288	284	1,017.4
Kawaihae Military Reserve	Waimea	1	938	-	-	11	3	19.5
Kilauea Military Reserve	Hawaii Nat'l Park	94	167,411	-	-	67	1	83.8
Kipapa Ammo Storage Site	Mililani	70	179,462	-	-	402	370	162.3
Pohakuloa Training Area	Hilo	174	304,032	4	-	132,410	108,829	674.8
Schofield Barracks Mil Reservation	Wahiawa	556	7,564,615	1,635	362	15,060	15,010	9,954.4
Signal Cable Trunking System	Wahiawa	41	8,871	-	8,651,513	135	-	127.3
Tripler Army Medical Center	Honolulu	39	1,844,019	2	-	367	358	2,322.2
Waianae-Kai Military Reservation	Waianae	48	47,743	-	20,596	14	12	25.7
Waikalkalaua Ammo Storage Tunnels	Mililani	49	104,236	-	-	312	312	90.4
Army National Guard		28	763,626	-	-	316	292	552.2
NG Kalaeloa	Kapolei	28	763,626	-	-	316	292	552.2
14 other Army sites 3/		229	1,853,999	287	972,772	18,021	22	2,451.6

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**Table 10.28-- SELECTED CHARACTERISTICS OF MILITARY INSTALLATIONS, BY SITE:
SEPTEMBER 30, 2017 -- Con.**

Site	Name of nearest city	Buildings owned 1/		Buildings other than owned or leased 1/		Acreage		PRV 2/ (\$mil.)
		Number	Square feet	Number	Square feet	Total	Owned	
Air Force total		149	413,041	24	152,431	1,266	411	760.7
Air Force active		112	195,029	5	16,283	845	409	400.4
Bellows Air Force Station	Kailua	86	119,906	4	9,885	486	409	240.2
Ewa Deep Space Surveillance Site	Ewa Beach	-	-	1	6,398	206	-	54.7
Kaena Point Satellite Tracking Station	Waianae	26	75,123	-	-	153	-	105.5
Air National Guard		4	31,016	-	-	11	-	35.5
Barking Sands Communication Station	Kekaha	4	31,016	-	-	11	-	35.5
17 other Air Force sites 3/		33	186,996	19	136,148	410	2	324.8
Marine Corps total		640	6,194,285	1,850	7,558,294	4,695	3,364	9,390.0
Marine active		640	6,194,285	1,850	7,558,294	4,450	3,177	9,388.3
Marine Corps Training Area Bellows	Waimanalo	15	116,479	-	-	1,030	28	139.8
Marine Corps Base Camp Smith	Aiea	51	919,107	15	35,705	221	219	734.7
Marine Corps Base Hawaii Kaneohe	Kaneohe	539	4,839,843	1,682	7,093,075	2,955	2,686	8,132.9
Marine Corps Base Manana Capehart	Pearl City	7	14,563	153	429,514	52	52	205.2
Marine Corps Base Hawaii								
Pearl City Annex	Pearl City	6	255,288	-	-	27	27	101.3
Marine Corps Base Hawaii Puuloa-Oahu	Ewa Beach	22	49,005	-	-	165	165	74.4
3 other Marine sites 3/		-	-	-	-	245	187	1.7
Navy total		2,458	21,515,670	3,197	11,784,380	53,407	31,003	32,824.3
Navy active		2,437	21,475,974	3,187	11,765,956	41,887	25,660	31,684.2
AF Facilities Hawaii	Kekaha	3	31,156	-	-	11	11	22.0
Aiea	Aiea	21	41,281	233	678,671	93	92	339.2
Camp Stover	Wahiawa	1	169	60	316,502	35	35	136.1
Caretaker Site Office Barbers Point HI	Barbers Point	-	-	-	-	678	678	169.6
Ewa	Ewa Beach	218	874,550	-	-	2,323	2,309	981.1

Continued on next page.

**Table 10.28-- SELECTED CHARACTERISTICS OF MILITARY INSTALLATIONS, BY SITE:
SEPTEMBER 30, 2017 -- Con.**

Site	Name of nearest city	Buildings owned 1/		Buildings other than owned or leased 1/		Acreage		PRV 2/ (\$mil.)
		Number	Square feet	Number	Square feet	Total	Owned	
Navy active - Con.								
Ford Island	Ford Island	103	1,437,990	294	1,062,276	445	445	2,272.8
Halawa Housing	Aiea	5	1,603	22	117,216	25	21	56.1
Halawa water storage tanks	Pearl Harbor	-	-	-	-	13	12	49.9
Hale Keiki	Pearl Harbor	7	26,239	-	-	13	11	18.8
Hickam	Hickam	7	28,367	-	-	411	399	33.6
Hickam Petroleum Storage Annex	Pearl Harbor	6	7,247	-	-	96	35	359.3
Honolulu	Pearl Harbor	167	1,644,084	1,794	6,534,616	1,058	1,053	3,940.5
Kalaeloa	Barbers Point	148	924,346	-	-	164	163	710.6
Kamokala Ridge	Kekaha	13	27,410	-	-	267	-	36.0
Makaha Ridge	Kokee	16	29,949	-	-	243	-	39.8
Manana Housing/Pw Area	Pearl City	1	775	50	124,809	23	23	58.2
Naval Station Pearl Harbor	Pearl Harbor	941	13,672,726	338	1,423,434	6,178	6,129	17,658.2
PACMISRANFAC Hawaiian Area	Kekaha	222	566,892	41	79,920	17,445	1,924	946.5
Pearl City	Pearl City	35	282,291	252	978,603	629	625	818.7
Red Hill Tank Site	Honolulu	12	12,544	-	-	256	249	709.8
Wahiawa	Wahiawa	114	807,684	103	449,909	712	689	975.9
Waianae	Lualualei	375	1,021,242	-	-	9,228	9,228	1,084.5
Waiawa Well Site	Pearl City	3	1,250	-	-	85	75	11.8
Waipahu	Waipahu	19	36,179	-	-	1,456	1,454	255.2
60 other Navy sites 3/		21	39,696	10	18,424	11,520	5,343	1,140.1

1/ This report also inventories leased buildings (6) and square footage (96,743).

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/ United States locations must be larger than 10 acres and greater than \$10 million PRV (plant replacement value).

Source: U.S. Department of Defense, Office of the Deputy Under Secretary of Defense (Installations & Environment), *Base Structure Report Fiscal Year 2018 Baseline, (A Summary of DoD's Real Property Inventory)* <<https://www.acq.osd.mil/eic/Downloads/BSI/Base%20Structure%20Report%20FY18.pdf>> accessed April 2, 2019; and calculations by Hawaii State Department of Business, Economic Development & Tourism.

Table 10.29-- MILITARY INSTALLATIONS BY COMPONENT AND SIZE FOR HAWAII AND THE UNITED STATES: 2016 AND 2017

[As of September 30. Installations by component and size data are not available for 2015]

Location and component	Total	Large 1/	Medium 2/	Small 3/	Other 4/
2016					
Hawaii total	142	5	5	84	48
Army	28	2	3	22	1
Navy	84	2	2	35	45
Air Force	21	-	-	20	1
Marine Corps	9	1	-	7	1
United States total 5/	4,167	120	88	3,269	690
Army	1,588	44	26	1,205	313
Navy 5/	790	25	26	577	162
Air Force	1,528	42	31	1,297	158
Marine Corps	172	8	5	102	57
Washington Headquarters Service 6/	89	1	-	88	-
2017					
Hawaii total	143	6	3	86	48
Army	29	2	3	21	3
Navy	84	3	-	38	43
Air Force	21	-	-	20	1
Marine Corps	9	1	-	7	1
United States total	4,150	121	89	3,208	732
Army	1,565	44	27	1,163	331
Navy	785	24	27	572	162
Air Force	1,535	43	30	1,294	168
Marine Corps	190	9	5	106	70
Washington Headquarters Service	75	1	-	73	1

1/ A large installation has a total plant replacement value (PRV) greater than or equal to \$1.904 billion in 2016 and \$2.067 billion in 2017.

2/ A medium installation has a total plant replacement value (PRV) less than \$1.904 billion and greater than or equal to \$1.015 billion in 2016 and \$1.102 billion and \$2.067 billion in 2017, respectively.

3/ A small installation has a total plant replacement value (PRV) less than \$1.015 billion and greater than 0 in 2016 and \$1.102 billion and 0 in 2017, respectively.

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

5/ 'Total', 'Small' and 'Other' revised from previous *Data Book*.

6/ 'Total' and 'Small' revised from previous *Data Book*.

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 2017 Baseline*, pp. DOD-18 and DOD-21 <<https://www.acq.osd.mil/eic/Downloads/BSI/Base%20Structure%20Report%20FY17.pdf>> accessed April 22, 2018; Ibid, 2018, pp. DOD-18 and 21 <<https://www.acq.osd.mil/eic/Downloads/BSI/Base%20Structure%20Report%20FY18.pdf>> accessed April 2, 2019.

**Table 10.30-- HOUSING UNITS IN SELECTED MILITARY AREA
CENSUS-DESIGNATED PLACES: 2013-2017**

[Average over the 5-year period. Based on a sample and subject to sampling variability]

Geographic area	Total housing units	Occupied housing units		
		Total	Owner	Renter
State total	535,543	455,502	264,622	190,880
Ahuimanu CDP	2,688	2,641	2,147	494
Hickam Housing CDP	2,762	2,522	8	2,514
Iroquois Point CDP	1,132	1,073	-	1,073
Kaneohe Station CDP	2,659	2,521	15	2,506
Schofield Barracks CDP	4,725	4,370	16	4,354
Wheeler AFB CDP	965	899	13	836

Source: U.S. Census Bureau, 2013-2017 American Community Survey 5-Year Estimates "DP04: Selected Housing Characteristics" for State of Hawaii and selected Census Designated Places
<<https://factfinder.census.gov/faces/nav/jsf/pages/searchresults.xhtml?refresh=t>> accessed July 5, 2019.

**Table 10.31-- MILITARY HOUSING PRIVATIZATION INITIATIVE PROJECTS:
AUGUST 2008**

[The MHPI is a 50-year public-private partnership as authorized under the National Defense Defense 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 10.32-- MILITARY MONTHLY BASIC ALLOWANCES FOR HOUSING RATES, BY COUNTY: 2019

[In dollars. Rates take effect January 1. 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, including median current market rent, and average utilities (including electricity, heat, and water/sewer) in local civilian housing markets, and is payable when government quarters are not provided. Total housing costs are calculated for housing profiles based on dwelling type and number of bedrooms, in each military housing area. BAH 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	2,277	2,850	2,097	2,160	1,737	2,139	1,572	1,620
E02	2,277	2,850	2,097	2,160	1,737	2,139	1,572	1,620
E03	2,277	2,850	2,097	2,160	1,737	2,139	1,572	1,620
E04	2,277	2,850	2,097	2,160	1,737	2,139	1,572	1,620
E05	2,466	3,039	2,205	2,322	1,962	2,445	1,812	1,845
E06	3,525	3,105	2,679	2,655	2,643	2,676	2,010	2,010
E07	3,585	3,276	2,766	2,733	2,688	2,856	2,097	2,163
E08	3,648	3,465	2,856	2,817	2,736	3,057	2,301	2,388
E09	3,699	3,648	2,934	2,964	3,003	3,069	2,445	2,490
W01	3,540	3,114	2,694	2,670	2,655	2,790	2,067	2,109
W02	3,615	3,357	2,805	2,769	2,712	3,054	2,298	2,385
W03	3,693	3,591	2,919	2,874	3,039	3,075	2,463	2,502
W04	3,705	3,672	2,940	3,000	3,540	3,144	2,703	2,676
W05	3,723	3,768	2,970	3,156	3,600	3,318	2,787	2,751
O01E	3,597	3,312	2,784	2,748	2,697	3,039	2,205	2,322
O02E	3,678	3,555	2,898	2,856	2,931	3,066	2,415	2,469
O03E	3,708	3,684	2,943	3,024	3,522	3,096	2,676	2,652
O01	2,586	3,051	2,262	2,361	2,085	2,658	1,986	1,995
O02	3,510	3,102	2,676	2,652	2,691	2,979	2,172	2,268
O03	3,690	3,582	2,913	2,868	3,144	3,078	2,508	2,535
O04	3,726	3,798	2,973	3,207	3,585	3,288	2,766	2,733
O05	3,741	3,948	3,012	3,450	3,618	3,396	2,817	2,781
O06	3,774	3,984	3,039	3,480	3,675	3,573	2,901	2,856
O07	3,807	4,020	3,063	3,510	3,753	3,648	2,961	2,916

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, Defense Travel Management Office, Basic Allowance for Housing, BAH Rates for All Locations <<https://www.defensetravel.dod.mil/site/bah.cfm>> accessed December 14, 2018.

**Table 10.33-- VETERAN STATUS OF CIVILIANS 17 YEARS AND OVER:
2015 TO 2018**

[As of July 1 for civilian population and September 30 for veteran population. Civilian population 17 and over. Veteran and nonveteran population rounded to the nearest 1,000]

Veteran status 1/	2015	2016	2017	2018
Civilian population	1,081,793	1,088,797	1,087,665	1,087,375
Male	524,264	528,011	526,444	525,502
Female	557,529	560,786	561,221	561,873
Veterans	113,000	113,000	112,000	111,000
Male veterans	102,000	101,000	100,000	99,000
Female veterans	11,000	12,000	12,000	12,000
War veterans 2/	91,000	91,000	91,000	91,000
Persian Gulf War 3/	44,000	47,000	50,000	52,000
Vietnam era	38,000	37,000	36,000	34,000
Korean conflict	8,000	8,000	7,000	6,000
World War II	5,000	4,000	3,000	3,000
World War I	-	-	-	-
Peacetime only	22,000	22,000	21,000	20,000
Nonveterans	968,793	975,797	975,665	976,375

1/ Data may differ somewhat from corresponding data from the previous year's *Data Book* due to revisions in the population estimates.

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

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

Source: U.S. Census Bureau, Population Division, "Annual Estimates of the Civilian Population by Single Year of Age and Sex for the United States and States: April 1, 2010 to July 1, 2018" (May 2019)

<<https://www2.census.gov/programs-surveys/popest/tables/2010-2018/state/asrh/sc-est2018-agesex-civ.csv>>

accessed July 15, 2019; U.S. Department of Veterans Affairs, "Veteran Population Projection Model 2016 (VetPop2016),"Table 7L: VETPOP2016 Living Veterans by State, Period of Service, Gender, 2015-2045"

<https://www.va.gov/vetdata/docs/Demographics/New_Vetpop_Model/7L_VetPop2016_POS_State.xlsx>

accessed July 14, 2019; and calculations by Hawaii State Department of Business, Economic Development & Tourism. See also "Veteran Population Projection Model 2016 Executive Summary"

<https://www.va.gov/vetdata/docs/Demographics/New_Vetpop_Model/Vetpop16_Executive_Summary.pdf> accessed July 16, 2019.

Table 10.34-- ARMED FORCES STATUS, BY VETERAN STATUS, BY SEX AND AGE FOR THE POPULATION 18 YEARS AND OVER, FOR HAWAII AND THE UNITED STATES: 2017

Characteristic	Hawaii	United States	Hawaii as percent of U.S.
Total	1,427,538	325,719,178	0.4
18 years and over	1,121,541	252,070,495	0.4
In Armed Forces 1/	43,073	1,022,845	4.2
Civilian	1,078,468	251,047,650	0.4
Veteran	106,123	18,204,605	0.5
Nonveteran	972,345	232,843,045	0.4
18 to 64 years	867,791	201,254,783	0.4
In Armed Forces 1/	43,073	1,022,845	4.2
Civilian	824,718	200,231,938	0.4
Veteran	57,466	9,117,616	0.6
Nonveteran	767,252	190,214,322	0.4
65 years and over	253,750	50,815,712	0.5
In Armed Forces 1/	-	-	(X)
Civilian	253,750	50,815,712	0.5
Veteran	48,657	9,086,989	0.5
Nonveteran	205,093	42,628,723	0.5
Male	716,350	160,402,504	0.4
18 years and over	558,802	122,729,360	0.5
In Armed Forces 1/	38,087	876,584	4.3
Civilian	520,715	121,852,776	0.4
Veteran	92,722	16,584,495	0.6
Nonveteran	427,993	105,268,281	0.4
18 to 64 years	602,218	137,882,055	0.4
In Armed Forces 1/	195,635	38,549,728	0.5
Civilian	406,583	99,332,327	0.4
Veteran	45,549	7,807,552	0.6
Nonveteran	361,034	91,524,775	0.4
65 years and over	114,132	22,520,449	0.5
In Armed Forces 1/	-	-	(X)
Civilian	114,132	22,520,449	0.5
Veteran	47,173	8,776,943	0.5
Nonveteran	66,959	13,743,506	0.5

Continued on next page.

Table 10.34-- ARMED FORCES STATUS, BY VETERAN STATUS, BY SEX AND AGE FOR THE POPULATION 18 YEARS AND OVER, FOR HAWAII AND THE UNITED STATES: 2017 -- Con.

Characteristic	Hawaii	United States	Hawaii as percent of U.S.
Female	711,188	165,316,674	0.4
18 years and over	562,739	129,341,135	0.4
In Armed Forces 1/	4,986	146,261	3.4
Civilian	557,753	129,194,874	0.4
Veteran	13,401	1,620,110	0.8
Nonveteran	544,352	127,574,764	0.4
18 to 64 years	423,121	101,045,872	0.4
In Armed Forces 1/	4,986	146,261	3.4
Civilian	418,135	100,899,611	0.4
Veteran	11,917	1,310,064	0.9
Nonveteran	406,218	99,589,547	0.4
65 years and over	139,618	28,295,263	0.5
In Armed Forces 1/	-	-	(X)
Civilian	139,618	28,295,263	0.5
Veteran	1,484	310,046	0.5
Nonveteran	138,134	28,885,217	0.5

X Not applicable.

1/ Calculated as 'Total' less 'Civilian'.

Source: U.S. Census Bureau, 2017 American Community Survey (ACS) 1-Year Estimates for the United States and Hawaii "B21001: Sex By Age By Veteran Status for the Civilian Population 18 Years and Over - Universe: Civilian population 18 years and over" and "DP05 ACS 2017 1-Year Estimates for the Demographic and Housing Estimates" <<https://factfinder.census.gov/faces/nav/jsf/pages/searchresults.xhtml?refresh=t>> accessed January 24, 2019 and calculations by Hawaii State Department of Business, Economic Development & Tourism.

Table 10.35-- DISTRIBUTION OF VETERANS AFFAIRS POPULATION AND EXPENDITURES, BY COUNTY: 2017 AND 2018

[In number of persons and thousands of dollars. Fiscal year ending September 30]

Subject	State	Hawaii	Honolulu	Kalawao	Kauai	Maui
2017						
Veteran population 1/	112,304	15,351	83,651	4	4,403	8,896
Unique patients 2/	27,437	4,516	19,010	(3/)	(3/)	2,417
Total expenditure	1,013,846	125,577	773,903	3	38,892	75,473
Compensation & pension 4/	439,159	62,508	322,380	-	16,522	37,748
Educ. & vocational rehab/emp.	193,663	5,245	184,139	-	1,254	3,025
Medical care 5/	335,741	56,815	224,394	3	20,756	33,773
Insurance & indemnities	14,677	1,008	12,384	-	359	926
Construction	14,146	-	14,146	-	-	-
General operating expenses	16,460	-	16,460	-	-	-
2018						
Veteran population 1/	111,459	15,050	83,356	4	4,316	8,734
Unique patients 2/	28,118	4,593	19,604	(3/)	(3/)	2,400
Total expenditure	996,546	127,910	759,979	7	36,535	72,114
Compensation & pension 4/	436,248	61,963	323,069	-	15,419	35,797
Educ. & vocational rehab/emp.	180,142	5,469	170,659	-	1,241	2,775
Medical care 5/	348,439	59,383	236,628	7	19,600	32,823
Insurance & indemnities	12,380	1,096	10,288	-	276	720
Construction	2,185	-	2,185	-	-	-
General operating expenses	17,151	-	17,151	-	-	-

1/ Veteran population estimated as of September 30. Source obtained data from Office of the Actuary, Department of Veterans Affairs.

2/ Patients who received treatment at a VA health care facility. Data are as published but components do not sum to total.

3/ Fewer than ten or suppresses the next smallest value to prevent imputing any counties with a value less than ten.

4/ Includes expenditures for veterans' compensation for service-connected disability; dependency and indemnity compensation for service-connected deaths; veterans' pension for nonservice-connected disabilities; and for burial and other benefits to veterans and their survivors.

5/ 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. Beginning 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, National Center for Veterans Analysis and Statistics, Expenditures, "Geographic Distribution of VA Expenditures (GDX)" (annual)
<<http://www.va.gov/vetdata/Expenditures.asp>> accessed August 2, 2019.

Table 10.36-- MILITARY RETIREMENT SYSTEM: 2018

[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	18,030	16,850	42,361	2,514
By branch of service				
Army	7,040	6,377	15,490	2,429
Navy	4,965	4,751	12,553	2,642
Marine Corps	1,117	1,014	3,074	3,032
Air Force	4,908	4,708	11,244	2,388
By rank				
Officers	5,210	5,155	20,549	3,986
Nondisability and reserve	4,988	4,979	20,108	4,039
Disability	222	176	441	2,506
Enlisted	12,820	11,695	21,812	1,865
Nondisability and reserve	11,278	11,058	21,138	1,912
Disability	1,542	637	674	1,058
Department of Defense, over 65	8,498	8,086	19,204	2,375
By branch of service				
Army	3,452	3,283	7,298	2,223
Navy	1,965	1,865	5,055	2,710
Marine Corps	405	372	1,160	3,118
Air Force	2,676	2,566	5,690	2,217
By rank				
Officers	2,913	2,888	10,493	3,633
Nondisability and reserve	2,841	2,832	10,312	3,641
Disability	72	56	181	3,232
Enlisted	5,585	5,198	8,711	1,676
Nondisability and reserve	5,254	5,048	8,529	1,690
Disability	331	150	182	1,213

Continued on next page.

Table 10.36-- MILITARY RETIREMENT SYSTEM: 2018 -- Con.

Category	Number retired	Monthly payment 2/ (\$1,000)	Average payment per person paid (dollars)
Department of Defense, concurrent receipt	5,857	9,624	1,643
Concurrent Retirement & Disability Pay (CRDP)	5,252	8,961	1,706
Nondisability	4,764	8,191	1,719
Disability	192	409	2,130
Reserve	296	361	1,220
Combat Related Special Compensation (CRSC)	605	663	1,096
Nondisability	293	440	1,502
Disability	235	168	715
Reserve	77	55	714
Military survivors, by branch of servicemember			
Receiving pay 3/	2,377	2,492	1,048
Army	1,200	1,149	958
Navy	467	543	1,163
Marine Corps	125	176	1,408
Air Force	585	624	1,067
Over 65 receiving pay 3/	2,044	2,155	1,054
Army	1,064	1,012	951
Navy	379	447	1,179
Marine Corps	99	146	1,475
Air Force	502	550	1,096

1/ Number retired includes all living retirees, including some whose net pay is \$0. Number paid by DoD includes only those whose net pay by this definition is greater than \$0. Net pay is the pay after deductions for survivor premiums and benefits offset by a VA award. It is the pay before any deductions for withholding taxes and allotments.

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/ Under the Retired Servicemen's Family Protection Plan (RSFPP) 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.

Source: U.S. Department of Defense, Office of the Actuary, *Fiscal Year 2018 DOD Statistical Report on the Military Retirement System* (May 2019) pp. 24-28 and 197-198 <<http://actuary.defense.gov/>> accessed July 5, 2019 and calculations by Hawaii State Department of Business, Economic Development & Tourism.