

SECTION 3: HEALTH CARE WORKFORCE AND SHORTAGE DESIGNATIONS

Overview

Section 3 describes health care providers, including their types, numbers and locations. The major categories of the workforce presented here include: physicians, mid-level practitioners, nursing, allied health, emergency medical services, behavioral health, and dental health. Section 3 concludes with growth projections for this sector, as well as indications of workforce shortage.

The workforce data presented in this section come from a variety of sources. There are however, two types of workforce information sources that require special mention. One is the State of Alaska Division of Corporations, Business and Professional Licensing, Department of Commerce, Community, and Economic Development's Occupational Licensure Database. All tables which present occupational licensure information are derived from data sets, which include the licensee's community of residence, based on the address provided by the licensees on their applications. Licensees may actually work in communities other than their stated community of residence. In addition, the number of licensees is often different from the number actually employed in a given occupational category. For instance, a licensee may be employed as a non-direct care administrator. Based on these two issues, there may be some disparity between the number of licensed practitioners and the actual number of practitioners working in an area. In all cases, those tables that present licensure data include only "active, unrestricted" licenses.

The other type of workforce information source that requires special mention is the federal and state wage and hourly occupational data. Note that those workers who are self-employed, in partnerships, are incorporated, or are in the military are typically not included. A detailed list of health care occupations, qualifications, wages, employment and growth potential can be found in Appendix Table 3.140.

Physicians

Table 3.010 - Licensed Physician and Physician Assistant Workforce, by Type and Region (2007)

- The state of Alaska's occupational licensing database indicated that in March 2007 there were 1,434 physicians, 111 osteopaths, and 284 physician assistants licensed to practice in Alaska, living in Alaska and with active licenses. Of the total, 1,150 licensees (63 percent) listed as their residence an address in the Anchorage/Mat-Su Region.

Table 3.030 - Distribution of Physicians, Percent in Primary Care, by Region (2006)

- Physicians are not distributed proportionately to the population in Alaska. In 2006, 60 percent of the 1,316 Alaska-licensed physicians were located in Anchorage. Anchorage contained 42 percent of the state's population, but is the hub of health care services for much of rural Alaska. No other Alaskan community has a higher ratio of physicians to population than Anchorage.

Figure 3.040 - Total Physicians, by Practice Type, Change from Prior Year (1997-2005)

- Figure 3.040 presents the change in the total number of physicians, by year, from 1998 through 2005. The Alaska State Medical Association directories showed that the number of physicians listed in private practice generally rose by 20 to 40 individuals per year. This is in contrast to those listed in military medical practice, for whom the overall count remained largely unchanged.

Figure 3.050 - Alaska's National Ranking in MDs per 1,000 Residents (2006)

- Figure 3.050 shows the rank-order of all 50 states according to the ratio of the number of MDs per 1,000 residents in 2006. The national average was 2.38 while Alaska's ratio was 2.06. Alaska is in the bottom third of the 50 states.

Table 3.060 - MDs and DOs Currently Licensed, by Year First Licensed (2006)

- Presented in Table 3.060 are the number of MDs (allopathic) and DOs (osteopathic) licensed in 2006, ordered according to the year when each was first licensed. As of January 2006, there were a total of 1,504 licensed doctors in Alaska, with 93 percent (1,395) being MDs and 7 percent (109) being DOs. DOs first appear on this licensure list in 1974.

Table 3.070 - Alaska Patient-Care Physicians, by Specialty (2004)

- The Alaska Physicians Supply Task Force reported that for 2004 there were 1,347 total patient-care physicians. Of these, 709 (52.6 percent) were in primary care. More than a quarter (27.2 percent) were composed of those in Family Medicine and General Practice. The next most-numerous group was Surgical Specialties with 237 listees, or 17.6 percent of total physicians.

Figure 3.080 - Physicians by Practice Type, Year (1997-2005)

- Figure 3.080 presents the number of physicians in Alaska, by practice-type, by year (1997-2005). The number of physicians steadily rose during that period. Four types of practice are presented: Private Practice, Government (municipal, state and federal), Public Health, and Military. Of those, Private Practice constituted the bulk of the physician workforce.

Table 3.090 - Alaska and US Physician Specialty Distributions Compared (2004)

- In 2004, there were 1,347 patient-care physicians for Alaska, yielding a ratio of 2.05 physicians per 1,000 residents. When compared to the national rate (2.38), gap-analysis indicates that Alaska had a shortage of about 222 patient-care physicians. The greatest shortages were in internal medicine (158), medical specialties (71), and other specialties (58). Alaska had an overall shortage in primary care of 44 physicians.

Mid-Level Practitioners

Table 3.100 - Licensed Mid-Level Practitioner Workforce, by Type and Region (2007)

- The state of Alaska's occupational licensing database showed that in March 2007 there were 734 licensees in the mid-level practitioner workforce. Of these, there were 450 nurse practitioners and another 284 physician assistants comprising, respectively, 61 percent and 39 percent of the mid-level statewide workforce. Of the total, 60 percent (or 441) of licensees gave a residential address in the Anchorage/Mat-Su Region.

Figure 3.110 - Current Mid-Level Practitioners, by Year First Licensed (2006)

- Presented in Figure 3.110 are the number of nurse practitioners (NPs) and physician assistants (PAs) licensed to practice in Alaska in 2006, ordered according to the year each was first licensed. The annual number of new licensees joining the Alaskan mid-level workforce has risen at a relatively steady rate over the last 20 years.

Nursing Workforce

Table 3.120 - Nursing Workforce by Type and Region (2007)

- The state of Alaska Occupational Licensure database shows that in March 2007, there were 450 advanced nurse practitioners (NPs), 5,796 registered nurses (RNs), 686 licensed practical nurses (LPNs) and 2,520 certified nurse aides (CNAs). Note that NPs are also licensed RNs. A large portion of workers in each category gave Anchorage/Mat-Su as their address-of-record.

Table 3.130 - Public Health Nursing Workforce, by Type and Region (2007)

- In 2007 the Public Health Nursing (PHN) section within the Division of Public Health (Alaska DHSS) reported 172 Full Time Equivalent (FTE) health care positions in Alaska. Statewide, PHN reported positions in the following categories: Nurse Practitioners (10 FTE), PH Nurses (112 FTE), public health paraprofessionals (generally nurse aides and health program associates, 18.5 FTE), Nurse Consultants (9 FTE), and Managers (23 FTE). Regional data shows that 25 percent of the PHN workforce was located in the Anchorage/Mat-Su Region; the lowest numbers were in the Northern (8 percent) and Southwest (10 percent) regions. Factored into the overall workforce were a total of 19 FTE lodged within four non-profit grantee agencies.

Allied Health

Table 3.140 - Selected Health Care Occupations Employment (2004 and Projected 2014)

- The Department of Labor and Workforce Development (DOLWD) provided estimates of recent (2004) and projections of future (2014) health care occupations employment in Alaska. Table 3.140 presents data regarding 21 health care occupation categories. Employment in all but one of these occupational categories was projected to increase; 14 of the occupations (67 percent) were projected to grow 20 percent or more. For instance, by the year 2014, employment for pharmacists was expected to grow by 26 percent; that of medical and clinical laboratory technologists by 22 percent; and that of radiologic technologists and technicians by 26 percent. See Appendix Table 3.140 for additional health care occupation descriptions.

Table 3.150 - Health Care Occupations, Male (2000)

- Total male employment in Alaska stood at 149,034 in 2000, according to the US Census. Of this, 9,994 (6.7 percent) were employed in some facet of health care. Looking across regions, Anchorage/Mat-Su had the highest proportion of males working in health care (7.2 percent) while Southwest had the lowest portion at 5.5 percent. In terms of occupational categories, 6,766 (68 percent) worked as practitioners, technologists or technicians. Another 25 percent worked in community and social service occupations, while the remaining 7 percent were employed in health care support occupations.

Table 3.160 - Health Care Occupations, Female (2000)

- Total female employment in Alaska stood at 132,498 in 2000, according to the US Census. Of these, 24,229 (18.3 percent) were employed in some facet of health care. Looking across regions, Anchorage/Mat-Su had the highest proportion of females in health care (19.6 percent) while Northern had the lowest at 17.7 percent. In terms of employee category, 16,736 worked as practitioners, technologists or technicians (69.1 percent). Another 14.1 percent worked in community and social service occupations, while the remaining 16.8 percent were employed in health care support occupations.

Table 3.170 - Allied Health Workforce, Selected Licensed Occupations, by Region (2007)

- Allied health care professionals support, aid and increase the efficiency of other providers such as physicians, dentists or primary clinical specialists. Allied health care professionals typically need formal training before they are hired. Some examples of allied health care professionals are medical assistants, dental hygienists, phlebotomists, physical therapists and physical therapy assistants, laboratory technicians, electrocardiographic technicians, x-ray technicians, medical secretaries, and medical coders and billers. Professions not included in allied health are physicians, dentists, registered/advanced nurses, pharmacists, and psychologists. See Appendix for additional health care occupation descriptions.
- Table 3.170 highlights selected allied health care professions that are licensed by the state of Alaska. As of March, 2007, licensee counts were: direct-entry midwives (21), dietitians (141), nutritionists (3), audiologists (31), and endorsed optometrists (105). For each of these licensee categories, 50 percent or more stated the Anchorage/Mat-Su region as their address-of-record.

Table 3.180 - Allied Health Workforce, Selected Habilitation Specialties, by Region (2007)

- Presented in Table 3.180 are selected habilitation specialties that are licensed by the state of Alaska. Total licensee counts for each specialty as of March, 2007 were: chiropractors (200), occupational therapists (201), occupational therapy assistants (12), physical therapists (398), physical therapy assistants (42), speech pathologists (135), and speech pathology assistants (15). For each of these professions, 60 percent or more of licensees stated the Anchorage/Mat-Su region as address-of-record, the sole exception being speech pathology assistants at 33 percent.

Table 3.190 - Community Health Aides (CHA) and Practitioners, by Level, by Census Area (2007)

- Community health aides and practitioners are trained and employed through the Alaska Native Tribal Health Consortium (ANTHC), with state of Alaska licensure not required. These roles exist along a continuum from CHA-I to CHA-IV and Practitioner (CHP). They provide paraprofessional help as local employees in rural and remote locations. In 2007, ANTHC reported that there were 411 persons certified to perform some level of health aide duties. Of the total, 251 (61 percent) were certified as CHPs. Overall, the majority were located in Southwest Region (57 percent) or Northern Region (22 percent).

Table 3.200 - Pharmacy Workforce, by Type, by Region (2007)

- In 2007, the pharmacy workforce was composed of 421 licensed pharmacists and 958 licensed pharmacy technicians. There were also 23 licensed pharmacist interns. The Anchorage/Mat-Su region had the most pharmacists (244, or 58 percent of total). The Northern region had only three licensed pharmacists, and ten census areas had no licensed pharmacists. Pharmacy technicians help pharmacists complete their tasks. A useful index is the ratio of pharmacy technicians to pharmacists. Statewide, the ratio of pharmacy technicians to pharmacists stood at 2.28.

Emergency Medical Services

Table 3.210 - Emergency Medical Services Workforce, by Region (2007)

- Statewide, in 2007 there were 3,472 unduplicated, EMS practitioners. The most highly trained are the state-licensed Mobile Intensive Care Paramedics (MICPs), of which there were 313 (9 percent of total). The remainder of the EMS workforce (3,159) was composed of certification-only Emergency Medical Technicians. Looking at locations in need of coverage, there were 22 census areas with less than 10 MICPs, and of these areas there were 11 with no MICPs.

Table 3.220 - Emergency Medical Technicians, by Level, by Community (2007)

- In 2007, there were 3,159 Emergency Medical Technicians (EMTs) statewide, distributed across three levels of training certification (EMT-I, II, and III). One way to index the level of maturity or competence of the EMT workforce for a given area is the ratio of the sum of EMT-II's and III's to all EMT's in that area. Forty-two percent of EMTs statewide were certified as higher than EMT-I. The number of EMTs with higher than EMT-I certification varied by region from a high in the Gulf Coast (53 percent) to lows in Northern (32 percent) and Southwest (33 percent). Altogether, 37 percent of EMTs indicated the Anchorage/Mat-Su region as home.

Behavioral Health

Table 3.230 - Psychiatric, Psychological and Counseling Workforce, by Region (2007)

- Behavioral health professionals assess and treat a wide range of mental health and substance abuse disorders. Table 3.230 presents data for 2007 regarding five of these state-licensed occupations. Statewide, there were 681 licensees, comprised of 63 psychiatrists, 138 licensed clinical psychologists, 46 psychological associates, 356 professional counselors (LPC), and 78 marriage and family counselors. The majority (417, or 61 percent) were in the Anchorage/Mat-Su region. Of the census areas, 18 were listed as having five or fewer licensees in residence (based on licensees application address), and eight areas listing zero licensees. Social workers also provide substantial behavioral health services (see table 3.240 below).

Table 3.240 - Social Work Workforce, by Region (2007)

- Social workers provide a substantial amount of the behavioral health services in Alaska as in the rest of the United States. Table 3.240 presents data for 2007 regarding three levels of social work state-licensure. Statewide, there were 446 licensees, comprised of 63 Masters in Social Work (MSW), 324 Licensed Clinical Social Workers (LCSW), and another 59 Bachelors in Social Work. Half of the statewide total indicated the Anchorage/Mat-Su region as home. Of the census areas, 17 were listed as having five or fewer licensees in residence, with four of these listing no licensees.

Table 3.250 - Office of Children's Services, Child Protective Services Positions, by Type, by Region (2007)

- The Alaska Department of Health and Social Services Office of Children's Services is principally tasked with child protection services (CPS). Statewide in 2007, there were 341 total CPS positions, composed of the following: 132 licensed social workers, 151 children's service specialists, five nurses, 41 social service associates, and 12 managers. Of the total, 46 percent (158) were stationed in the Anchorage/Mat-Su region. Sixteen of the state's 27 census areas had 5 or fewer positions, including seven that had none. To assess the overall level of CPS personnel credentialing, one measure is the portion of total positions composed of licensed social workers. In 2007, that index stood at 39 percent.

Dental Workforce

Table 3.260 - Dental Health Workforce, by Type, by Region (2007)

- As of March 2007, the dental health workforce in Alaska stood at 906. Of these, 467 were licensed dentists, along with another 409 licensed dental hygienists. In addition, the Alaska Native Tribal Health Consortium (ANTHC) had deployed another 30 dental health personnel within its ranks. ANTHC dental aides are not required to be licensed by the state. To assess the overall level of dental personnel credentialing, one measure is the percentage of total positions composed of licensed dentists. In 2007, that index stood at 52 percent. Another useful ratio is that of licensed dental hygienists to licensed dentists. Statewide, that ratio stood at 0.88. The Anchorage/Mat-Su region was home to 60 percent

of the dentists and 66 percent of the hygienists, while all of the ANTHC paraprofessional and therapist dental positions were listed in rural or remote locations. Sixteen of the state's census areas had five or fewer dentists, and of those areas, eight had none. The ANTHC personnel were located in the following five census areas: Fairbanks North Star, Nome, Northwest Arctic, Juneau and Bethel.

Projected Growth

Table 3.300 - Health Care Workforce, Projected Growth Compared to Other Industries (2004-2014)

- Table 3.300 presents 2004 workforce data by industry and projected growth through 2014. Specifically "health care and social assistance" (HCSA) employment was compared to that of all other industry categories in Alaska. For 2004, there were 301,300 jobs overall, with 32,700 (10.9 percent) of these in health care and social assistance. By 2014, the overall job count is projected to be 349,550, with the health care and social assistance workforce at 43,650 (12.5 percent). The number of health care and social assistance jobs is projected to grow by 10,950 (34 percent) accounting for 22.7 percent of overall statewide job growth for the period. By 2014, health care and social assistance is projected to be the largest single industry workforce category in Alaska with 43,650 workers.

Table 3.310 - Community and Social Service Occupations Employment (2004-2014)

- Community and Social Service (CSS) occupations employment was estimated to be 6,025 jobs in 2004, and is forecast to be at 7,487 by 2014, a rise of 1,462 (24 percent). The highest projected growth rates from 2000-2014 include mental health and substance abuse social workers (36.2 percent), social and human service assistants (34.6 percent), mental health counselors (32 percent) as well as various other specialists. Probation officers and correctional treatment specialists are estimated to have the lowest growth rate (9.1 percent) by the year 2014.

Table 3.320 - Health Care and Social Services, Resident and Non-Resident Workers (2005)

- Table 3.320 presents data regarding resident workers with age, and non-resident workers for all health care and social service occupations in 2005. Total employment stood at 28,356. Of resident workers, statewide and for all occupations, 40.7 percent were age 45 and older and 27.2 percent were age 50 and older. Succession planning will be of concern over the next two decades as today's mature health care professionals retire. Of resident workers who were in health care practitioner occupations, 47.0 percent were age 45 and older and 31.4 percent were age 50 and older. Overall, 9.5 percent of the workforce was non-residents, with a high of (12.7 percent) among non-resident health care practitioner and technologist occupations. Table 3.340 - Alaska's Largest Private Employers in Health Care and Social Services (HCSS) (2005)
- Of Alaska's 100 top private sector employers in 2005, 24 of those were in health care and social services. Overall, these 24 entities had a total average monthly employment of 17,674. The largest private employer across any industry in Alaska was a hospital/medical center: Providence Health System with 3,685 employees. It is likely that future growth in HCSS occupations will largely come through these industry leaders. Two complexities arise with these data. First, several agencies in this category provide health care, and social services, a blend that is increasingly difficult to separate. Second, public sector employment is not part of this ranking; if public sector employment were listed the rankings would be substantially different.

Workforce Shortages

Table 3.350 - Medically Underserved Areas and Populations (2007)

- Table 3.350 presents Alaska's federal designations for Medically Underserved Areas (MUA) and Medically Underserved Populations (MUP). These identify shortages of primary medical care, dental health or mental health providers. Designations may be either geographic (MUA; i.e. a county or service area), or demographic (MUP; i.e. low income, Medicaid-eligible populations, cultural and/or linguistic access barriers to primary medical care services). Each designation is assigned an Index of Medical Underservice (IMU) score, which is used to determine the eligibility of an area or population for MUA/MUP status. An index score of 62.0 or less qualifies for designation as an MUA. For 2007, there were 17 area designations and 11 population designations.

Table 3.360 - Health Professional Shortage Areas, by Region (2007)

- The federal designation of "Health Professional Shortage Area" (HPSA) is used for workforce needs and finance purposes. HPSA designations are based on a relative lack of needed health care providers, barriers to care, health status indicators, and poverty level. Federally funded community health centers (CHCs) are automatically designated as HPSAs. Table 3.360 shows that as of April, 2007, Alaska had 29 primary care HPSA designations, 27 mental health designations, and 24 dental health designations. Some of these designations apply to census areas and some are limited to community health centers.

Table 3.370 - Physician Supply and Shortage in Alaska (2004)

- In 2004, a survey by the American Medical Association showed that, nationally, there were 2.38 practicing physicians per 1,000 people. Alaska's rate of practicing physicians was 2.05 per 1,000 people. Based on Alaska's 2004 population estimate of 656,834 and the national average of 2.38 physicians per 1,000 people, Alaska should have had 1,565 practicing physicians to be on par with national averages. The actual number of physicians practicing in Alaska was 1,347, indicating a shortage of 14 percent or 218 physicians. In areas outside of Anchorage, the rate of physician deficiency was 16 percent.

Physicians

Table 3.010
Licensed Physician and Physician Assistant Workforce, by Type, by Region. 2007

Region/Census Area	Licensed Physician	Licensed Osteopath	Physician Assistant	Totals
Statewide Totals	1,434	111	284	1,829
Anchorage/Mat-Su	945	69	136	1,150
Anchorage	853	55	112	1,020
Matanuska-Susitna	92	14	24	130
Gulf Coast	102	15	28	145
Kenai Peninsula	74	12	19	105
Kodiak Island	22	3	3	28
Valdez-Cordova	6	0	6	12
Interior	163	15	52	230
Denali	0	1	1	2
Fairbanks North Star	159	13	43	215
Southeast Fairbanks	4	1	3	8
Yukon-Koyukuk	0	0	5	5
Northern	18	3	17	38
Nome	9	1	11	21
North Slope	4	2	5	11
Northwest Arctic	5	0	1	6
Southeast	171	5	28	204
Haines	5	1	1	7
Juneau	84	0	9	93
Ketchikan Gateway	36	0	0	36
Prince of Wales	5	2	7	14
Sitka	35	1	7	43
Skagway-Hoonah-Angoon	0	0	2	2
Wrangell-Petersburg	6	1	1	8
Yakutat	0	0	1	1
Southwest	35	4	23	62
Aleutians East	1	0	0	1
Aleutians West	2	0	3	5
Bethel	19	3	15	37
Bristol Bay	1	0	2	3
Dillingham	12	1	0	13
Lake and Peninsula	0	0	2	2
Wade Hampton	0	0	1	1

Source: Alaska Division of Corporations, Business and Professional Licensing, Department of Commerce, Community, and Economic Development (2007). Occupational Licensure Database (accessed 3/14/07).

Note: Licensure data include only active, unrestricted licenses.

For further information: <http://www.commerce.state.ak.us/occ/apps/ODStart.cfm>

Table 3.030
Distribution of Alaska Physicians—Percent in Primary Care by Region (2006)

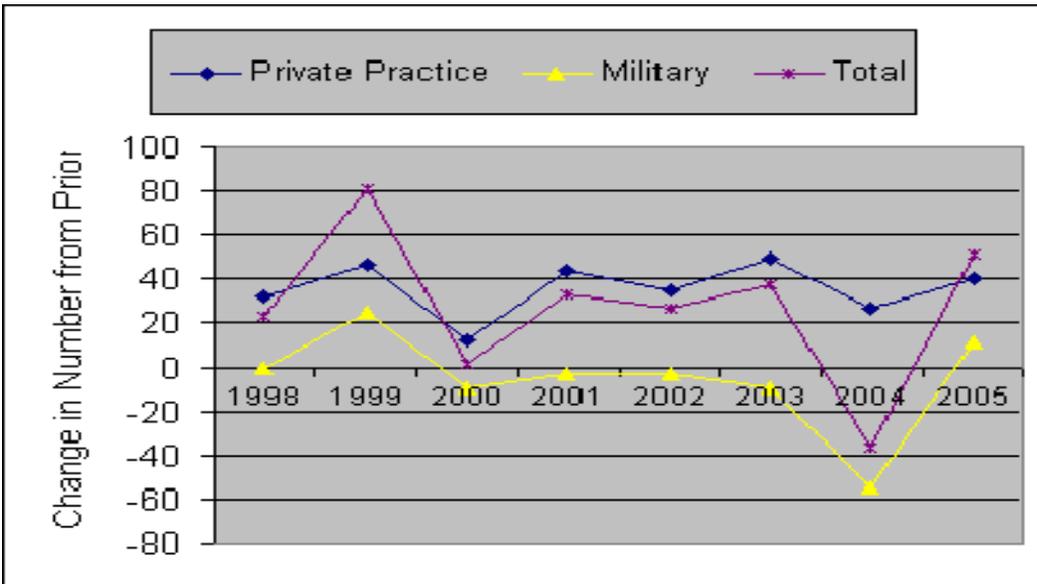
Region/Census Area	Number of Total Physicians	% of Statewide Physicians	% of Physicians with Primary Care Specialty	% of Alaska Population
Statewide Total	1,316	100%	-	-
Anchorage/Mat-Su				
Anchorage	787	60%	41%	42%
Matanuska-Susitna	83	6%	49%	11%
Gulf Coast				
Homer	18	1%	44%	1%
Kenai/Soldotna	46	3%	52%	7%
Kodiak	23	2%	74%	2%
Seward	6	0%	83%	1%
Interior				
Fairbanks	151	11%	51%	13%
Northern				
Barrow	5	0%	80%	1%
Kotzebue	6	0%	100%	1%
Nome	8	1%	88%	1%
Southeast				
Juneau	70	5%	46%	5%
Ketchikan	27	2%	56%	2%
Sitka	31	2%	68%	1%
Southwest				
Bethel	15	1%	100%	4%
Dillingham	8	1%	100%	1%
Balance of State	32	2%	-	7%

Source: Alaska Physician Supply Task Force. (2006). Securing an Adequate Number of Physicians for Alaska's Needs. Publication coordinated by Alaska HPSD DHSS. (Fig 2, pg. 15). [Data-set resulted from reconciling Alaska State Medical Association Directory, and, Alaska Division of Corporations, Business and Professional Licensing, Department of Commerce, Community, and Economic Development (2007). Occupational Licensure Database.

Note: Licensure data include only active, unrestricted licenses.

For further information: <http://www.hss.state.ak.us/commissioner/Healthplanning/publications/assets/PSTF-06.pdf>

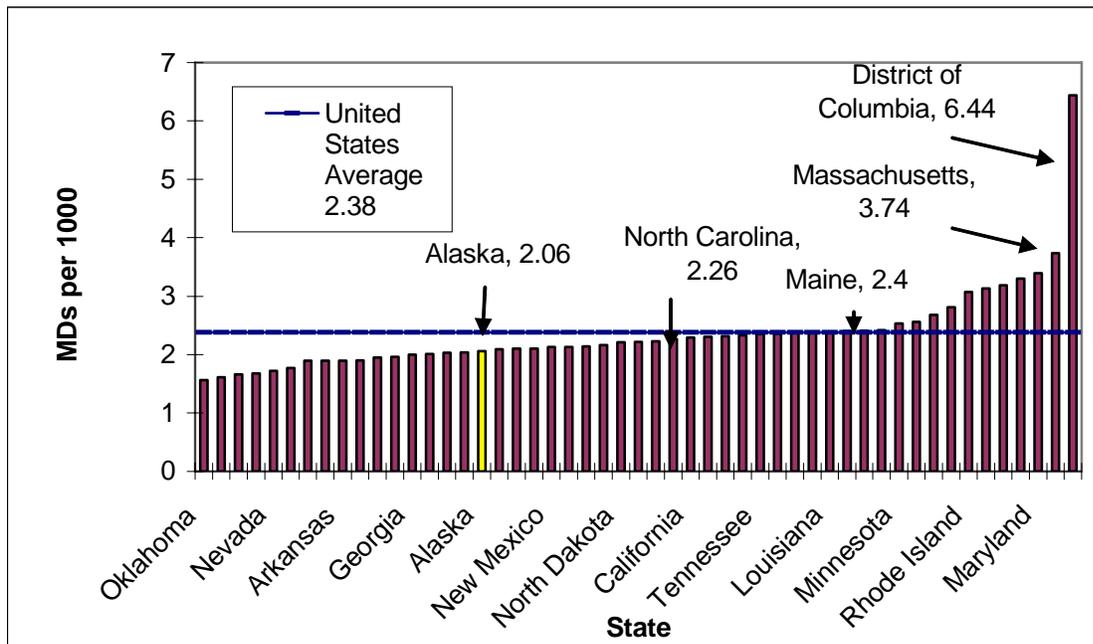
Figure 3.040
Total Physicians, by Practice Type,
Change From Prior Year, 1997-2005



Source: Alaska Physician Supply Task Force. (2006). *Securing an Adequate Number of Physicians for Alaska's Needs*. Publication coordinated by Alaska HPSD DHSS. (Fig 3, pg. 16). [Data-set resulted from reconciling entries in *Alaska State Medical Assoc. Directory*, volumes 1997-2005.

For further information: <http://www.hss.state.ak.us/commissioner/Healthplanning/publications/assets/PSTF-06.pdf>

Figure 3.050 Alaska's National Ranking in MDs per 1000 Residents



Source: American Medical Association (2006). As reported in: Alaska Physician Supply Task Force. (2006). *Securing an Adequate Number of Physicians for Alaska's Needs*. Coordinated by Alaska HPSD DHSS. (Fig 9, pg. 27).

For further information: <http://www.hss.state.ak.us/commissioner/Healthplanning/publications/assets/PSTF-06.pdf>

Table 3.060
MD and DO Currently Licensed, Ordered by First
Year Licensed, 1993-2006

Year	M.D. (allopathic)	D.O. (osteopathic)	Total
1949	1	0	1
1954	2	0	2
1956	1	0	1
1957	1	0	1
1958	1	0	1
1959	1	0	1
1960	1	0	1
1962	1	0	1
1963	2	0	2
1964	6	0	6
1965	2	0	2
1966	4	0	4
1967	5	0	5
1968	7	0	7
1969	13	0	13
1970	13	0	13
1971	16	0	16
1972	10	0	10
1973	21	0	21
1974	15	2	17
1975	19	0	19
1976	10	0	10
1977	21	1	22
1978	22	4	26
1979	29	3	32
1980	20	1	21
1981	28	1	29
1982	20	0	20
1983	24	4	28
1984	31	0	31
1985	31	3	34
1986	23	1	24
1987	15	4	19
1988	25	3	28
1989	29	2	31
1990	18	4	22
1991	17	6	23
1992	45	4	49
1993	38	0	38

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**Table 3.060 (cont.)
MD and DO by Year Licensed, 1993-2006**

Year	M.D. (allopathic)	D.O. (osteopathic)	Total
1994	62	3	65
1995	65	1	66
1996	51	1	52
1997	51	6	57
1998	67	6	73
1999	75	8	83
2000	56	4	60
2001	59	4	63
2002	96	6	102
2003	88	7	95
2004	58	10	68
2005	73	9	82
2006	6	1	7
Total	1,395	109	1,504

Source: Alaska Physician Supply Task Force. (2006). Securing an Adequate Number of Physicians for Alaska's Needs. Publication coordinated by Alaska HPSD DHSS. (Fig 22, pg. 34). [Data as found in: Alaska Occupational Licensure Database, Alaska Division of Corporations, Business and Professional Licensing, Department of Commerce, Community, and Economic Development Division of Occupational Licensing (downloaded listing) Data for 2006 is as of 1/06/06

For further information:

<http://www.hss.state.ak.us/commissioner/Healthplanning/publications/assets/PSTF-06.pdf>

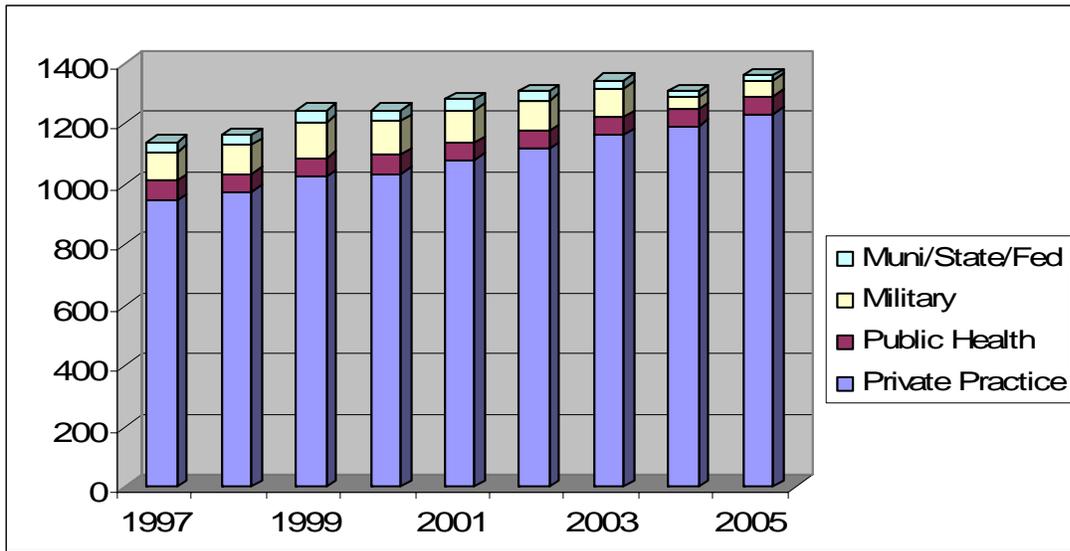
**Table 3.070
Alaska Patient Care Physicians, by Specialty, 2004**

Specialty	Total Physicians	Physicians per 1,000 Persons	% of Total by Specialty
Total Physicians	1,347	2.05	100%
Primary Care	709	1.08	52.6%
Family Medicine & General Practitioners	366	0.56	27.2%
Internal Medicine	157	0.24	11.7%
Pediatrics	108	0.16	8.0%
Obstetrics/Gynecology	78	0.12	5.8%
Medical Specialties	55	0.08	4.1%
Surgical Specialties	237	0.36	17.6%
Psychiatry	69	0.10	4.9%
Emergency Medicine	72	0.11	5.3%
Other Specialties	205	0.31	15.2%

Source: American Medical Association (2004). AMA Master File Database, 2004. As reported in: Alaska Physician Supply Task Force. (2006). Securing an Adequate Number of Physicians for Alaska's Needs. Coordinated by Alaska HPSD DHSS. (Fig 23, pg. 35).

For further information: <http://www.hss.state.ak.us/commissioner/Healthplanning/publications/assets/PSTF-06.pdf>

Figure 3.080
Physicians by Practice Type, by Year, 1997-2005



Source: Alaska Physician Supply Task Force. (2006). Securing an Adequate Number of Physicians for Alaska's Needs. Publication coordinated by Alaska HPSD DHSS. (Fig 24, pg. 36). [Data-set resulted from reconciling entries in Alaska State Medical Assoc. Directory, volumes 1997-2005.

For further information: <http://www.hss.state.ak.us/commissioner/Healthplanning/publications/assets/PSTF-06.pdf>

Table 3.090
Alaska and US Physician Specialties' Distribution Compared, 2004

Physician Specialty	Alaska Physicians***	Alaska Patient Care Physicians	Alaska Patient Care Physician Rate *	US Patient Care Physician Rate*	Alaska Physicians Expected at US Rate	Alaska Physicians Gap **
Total Physicians	1,580	1,347	2.05	2.38	1,569	-222
Primary Care	732	709	1.08	1.14	753	-44
Family Medicine	342	333	0.51	0.26	173	160
GP/FM	34	33	0.05	0.04	25	8
Internal Medicine	161	157	0.24	0.48	315	-158
Pediatrics	116	108	0.16	0.23	148	-40
Obstetrics & Gynecology	79	78	0.12	0.14	91	-13
Medical Specialties	57	55	0.08	0.19	126	-71
Surgical Specialties	243	237	0.36	0.39	259	-22
General Surgery	73	71	0.11	0.12	81	-10
Child & Adolescent Psych.	4	3	0	0.02	14	-11
Psychiatry	74	66	0.1	0.13	83	-17
Emergency Medicine	75	72	0.11	0.09	60	12
Other Specialties	231	205	0.31	0.4	263	-58
Neurology	12	12	0.02	0.04	28	-16
Anesthesiology	75	74	0.11	0.13	84	-10
Inactive	117					
Not Classified	47					

Source: American Medical Association (2006). AMA Master File Database, 2006. As reported in: Alaska Physician Supply Task Force. (2006). Securing an Adequate Number of Physicians for Alaska's Needs. Coordinated by Alaska HPSD DHSS. (Appendix A-2, pg. 97).

*Rates are per 1,000 population. Alaska population equals 657,755.

** Negative number implies potential need

*** In 2004, there were an additional 69 licensed physicians who were engaged in non-patient care activities.

For further information: <http://www.hss.state.ak.us/commissioner/Healthplanning/publications/assets/PSTF-06.pdf>

Mid Level Practitioners

Table 3.100
Mid-Level Practitioners by Type and Region, 2007

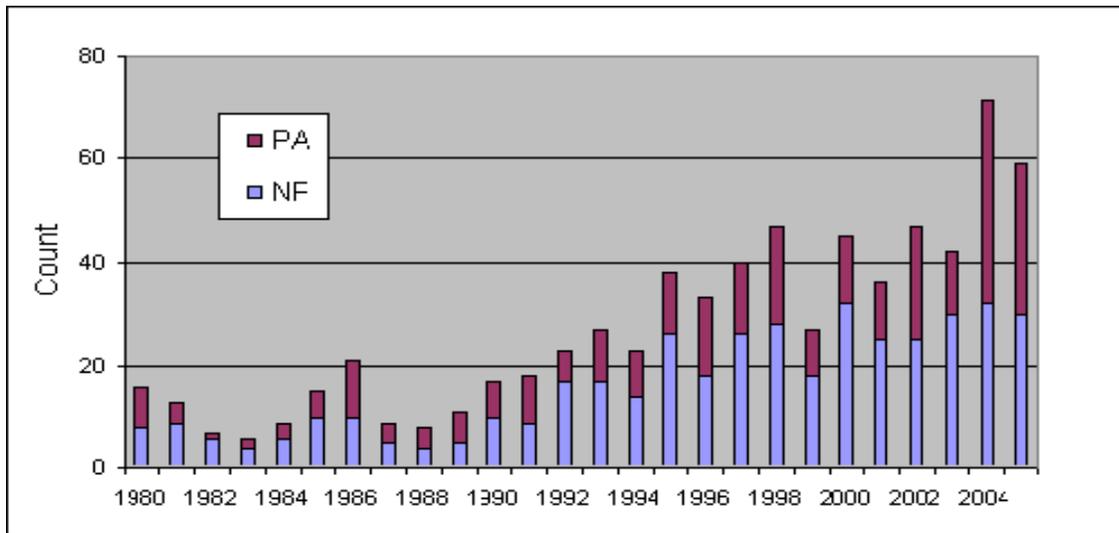
Region/Census Area	Nurse Practitioners	Physician Assistants	Totals
Statewide Totals	450	284	734
Anchorage/Mat-Su	305	136	441
Matanuska-Susitna	47	24	71
Anchorage	258	112	370
Gulf Coast	41	28	69
Kenai Peninsula	34	19	53
Kodiak Island	4	3	7
Valdez-Cordova	3	6	9
Interior	34	52	86
Denali	0	1	1
Fairbanks North Star	31	43	74
Southeast Fairbanks	2	3	5
Yukon-Koyukuk	1	5	6
Northern	7	17	24
Nome	1	11	12
North Slope	2	5	7
Northwest Arctic	4	1	5
Southeast	42	28	70
Haines	1	1	2
Juneau	16	9	25
Ketchikan Gateway	8	0	8
Prince of Wales	0	7	7
Sitka	10	7	17
Skagway-Hoonah-Angoon	4	2	6
Wrangell-Petersburg	1	1	2
Yakutat	2	1	3
Southwest	21	23	44
Aleutians East	3	0	3
Aleutians West	1	3	4
Bethel	14	15	29
Bristol Bay	0	2	2
Dillingham	2	0	2
Lake and Peninsula	0	2	2
Wade Hampton	1	1	2

Source: Alaska Division of Corporations, Business and Professional Licensing, Department of Commerce, Community, and Economic Development (2007). Occupational Licensure Database (accessed 3/14/07).

Note: All Nurse Practitioners are also Licensed Registered Nurses.

For more information: <http://www.commerce.state.ak.us/occ/apps/ODStart.cfm>

Figure 3.110 Licensed Mid Level Practitioner Workforce, by Type, by Region, 2006



Source: Alaska Physician Supply Task Force. (2006). Securing an Adequate Number of Physicians for Alaska's Needs. Publication coordinated by Alaska HPSD DHSS. (Fig 21, pg. 34). [Data from: Alaska Occupational Licensure Database, Alaska Division of Corporations, Business and Professional Licensing, Department of Commerce, Community, and Economic Development (as of 1/1/2006)].

Note: As of 1/06 there were 424 NPs and 284 PA's for a total of 708 licensed midlevels, "AA" status, Alaska residence.

For further information: <http://www.hss.state.ak.us/commissioner/Healthplanning/publications/assets/PSTF-06.pdf>

Nursing Workforce

Table 3.120
Nursing Workforce, by Type, by Region, 2007

Region/Census Area	Advanced Nurse Practitioners	Registered Nurses	Licensed Practical Nurses	Certified Nurse Aides
Statewide Totals	450	5,796	686	2,520
Anchorage/Mat-Su	305	3,702	381	1,156
Anchorage	258	2,968	292	845
Matanuska-Susitna	47	734	89	311
Gulf Coast	41	547	63	462
Kenai Peninsula	34	414	50	367
Kodiak Island	4	79	6	54
Valdez-Cordova	3	54	7	41
Interior	34	669	140	365
Denali	0	9	3	2
Fairbanks North Star	31	646	130	356
Southeast Fairbanks	2	9	4	3
Yukon-Koyukuk	1	5	3	4
Northern	7	105	15	56
Nome	1	45	5	30
North Slope	2	24	4	6
Northwest Arctic	4	36	6	20
Southeast	42	646	76	448
Haines	1	15	2	8
Juneau	16	266	31	165
Ketchikan Gateway	8	141	19	110
Prince of Wales	0	20	4	5
Sitka	10	22	13	102
Skagway-Hoonah-Angoon	4	139	1	0
Wrangell-Petersburg	1	40	6	58
Yakutat	2	3	0	0
Southwest	21	127	11	33
Aleutians East	3	2	0	3
Aleutians West	1	4	0	0
Bethel	14	80	9	21
Bristol Bay	0	0	1	1
Dillingham	2	38	1	1
Lake and Peninsula	0	0	0	0
Wade Hampton	1	3	0	7

Source: Alaska Division of Corporations, Business and Professional Licensing, Department of Commerce, Community, and Economic Development (2007). [Occupational Licensure Database](#) (accessed 3/14/07).

Note: All Nurse Practitioners are also licensed Registered Nurses. Licensure data include only active, unrestricted licenses.

For further information: <http://www.commerce.state.ak.us/occ/apps/ODStart.cfm>

Table 3.130
Public Health Nursing Workforce (FTE)*, by Type, by Region, 2007

Location of FTE	Nurse Practitioners	Public Health Nurses	Public Health Para-Professionals**	Nurse Consultants	Managers	Total Full Time Equivalent
Statewide Totals	10.06	111.65	18.5	9	23	172.21
Anchorage/Mat-Su	4.5	25.15	9	6	10	54.65
Anchorage	2.5	14.15	7	6	9	38.65
SOA Employees	0	5	0	6	4	15
Muni Employees**	2.5	9.15	7	0	5	23.65
Matanuska-Susitna	2	11	2	0	1	16
Gulf Coast	1	17.5	1	0	1	20.5
Cordova	0	1	0	0	0	1
Homer	0	3.5	0	0	0	3.5
Kenai	1	7	1	0	1	9
Kodiak	0	4	0	0	0	4
Seward	0	1	0	0	0	1
Valdez	0	1	0	0	0	1
Interior	1.5	24	3	0	3	31.5
Denali	0	0	0	0	0	0
Fairbanks	1.5	21	3	0	3	28.5
Southeast Fairbanks	0	3	0	0	0	3
Yukon-Koyukuk	0	0	0	0	0	0
Northern	.31	9	2.5	1	3	15.81
Nome	0	3.5	.5	1	1	6
NSHC Employees**	0	3.5	.5	1	1	6
North Slope	.31	3.5	1	0	1	5.81
NSB Employees**	.31	3.5	1	0	1	5.81
Northwest Arctic	0	2	1	0	1	4
Maniilaq Employees**	0	2	1	0	1	4

Table continued on next page

**Table 3.130 (cont.)
Public Health Nursing Workforce (FTE)*, by Type, by Region, 2007**

Location of FTE	Nurse Practitioners	Public Health Nurses	Public Health Para-Professionals**	Nurse Consultants	Managers	Total Full Time Equivalent
Southeast	2.75	23	2	2	5	34.75
Haines	0	1	0	0	0	1
Juneau	1.75	9	2	2	4	18.75
Ketchikan Gateway	1	7	0	0	1	9
Prince of Wales	0	2	0	0	0	2
Sitka	0	2	0	0	0	2
Skagway-Angoon	0	0	0	0	0	0
Wrangell- Petersburg	0	2	0	0	0	2
Yakutat	0	0	0	0	0	0
Southwest	0	13	1	0	1	15
Aleutians East	0	0	0	0	0	0
Aleutians West	0	0	0	0	0	0
Bethel	0	10	1	0	1	12
Bristol Bay	0	0	0	0	0	0
Dillingham	0	3	0	0	0	3
Lake and Peninsula	0	0	0	0	0	0
Wade Hampton	0	0	0	0	0	0

Source: Richstmeier, Rhonda and Olson, Corrine, et al. (2007). Personal communication, re: structure of Alaska Public Health Nursing staffing pattern, DPH, DHSS (8/21/07).

*Counts are the number of Full Time Equivalent Positions (FTEs)

** Four entities (Municipality of Anchorage, Norton Sound Health Corporation, North Slope Borough and Maniilaq Association) provide public health nursing services through their own governmental and administrative structure with some supportive funding coming from the Alaska Department of Health and Social Services via a combination of state grant funds and Medicaid Interagency receipts.

*** Paraprofessionals include Public Health Nurse Aides, Health Program Associates, Family Service Counselors and other Aides.

Note: This chart reflects the assigned home base for each position, not the geographic area the position serves. For example, the five PHN positions based in Anchorage that are not part of the Municipality are itinerant public health nurses serving the Aleutian Islands and parts of the Bristol Bay and Yukon-Koyukuk areas, and nursing staff based in Juneau include the Chief, Deputy Chief and statewide consultant positions, as well as the Southeast Regional manager, and a public health nurse serving Angoon and other Southeast communities.

Allied Health Care Workforce

Table 3.140
Selected Health Care Occupations Employment; Current (2004) and Projected (2014)

Occupation	Employment		Change		Statewide
	2004	2014	Numeric	Percent	Mean Wage 2006*
Emergency Medical Technicians and Paramedics	230	317	87	37.8%	\$22.58
Health Diagnosing and Treating Practitioners, All Other	123	141	18	14.6%	\$35.95
Health Technologists and Technicians, All Other	327	414	87	26.6%	\$25.42
Health Care Practitioners and Technical Workers, All Other	384	481	97	25.3%	\$23.41
Licensed Practical and Licensed Vocational Nurses	507	567	60	11.8%	\$20.90
Medical and Clinical Laboratory Technicians	169	205	36	21.3%	\$21.83
Medical and Clinical Laboratory Technologists	200	245	45	22.5%	\$29.23
Occupational Health and Safety Specialists	206	231	25	12.1%	\$38.32
Occupational Therapists	215	256	41	19.1%	\$31.44
Optometrists	101	99	-2	-2%	\$66.39
Pharmacists	363	457	94	25.9%	\$48.70
Pharmacy Technicians	431	543	112	26%	\$16.16
Physical Therapists	309	385	76	24.6%	\$38.61
Physician Assistants	194	248	54	27.8%	\$41.57
Physicians and Surgeons	796	925	129	16.2%	NA
Radiologic Technologists and Technicians	328	412	84	25.6%	\$27.98
Recreational Therapists	135	165	30	22.2%	NA
Registered Nurses	4,902	6,432	1,530	31.2%	\$31.17
Respiratory Therapists	180	233	53	29.4%	\$27.86
Speech-Language Pathologists	269	276	7	2.6%	\$32.76
Veterinarians	128	154	26	20.3%	\$41.27
Health care Support					
Dental Assistants	713	967	254	35.6%	\$18.12
Health Care Support Workers, All Other	647	798	151	23.3%	\$16.78
Home Health Aides	1,603	2,568	965	60.2%	\$12.12
Medical Assistants	547	742	195	35.7%	\$15.48
Medical Transcriptionists	176	213	37	21%	\$18.46
Nursing Aides, Orderlies, and Attendants	1,853	2,409	556	30%	\$14.74

Source: Alaska Department of Labor and Workforce Development. (2007). *Alaska Occupational Forecast to 2014*

*The reported wage and salary information does not include those who are self employed, in partnerships, are incorporated or are in the military.

For further information: <http://146.63.75.50/research/iodata/occproj.htm>

Table 3.150
Health Care Occupations, Male, 2000

Region/Census Area	Total Male 16 and Over Employed Population	Community and Social Services Occupations	Health Care Practitioners and Technical Occupations	Health Diagnosing and Treating Practitioners and Technical Occupations	Health Technologists and Technicians	Health Care Support Occupations	Total Health Care Occupations Employment
Statewide Total	149,034	2,521	3,383	2,613	770	707	9,994
Anchorage/Mat-Su	79,410	1,301	2,007	1,510	497	395	5,710
Anchorage	65,599	1,133	1,690	1,322	368	349	4,862
Matanuska-Susitna	13,811	168	317	188	129	46	848
Gulf Coast	16,995	237	325	267	58	81	968
Kenai Peninsula	11,274	161	242	192	50	55	700
Kodiak Island	3,220	37	62	60	2	11	172
Valdez-Cordova	2,501	39	21	15	6	15	96
Interior	20,944	397	489	392	97	74	1,449
Denali	507	6	0	0	0	0	6
Fairbanks North Star	18,249	334	467	376	91	58	1,326
Southeast Fairbanks	1,030	29	17	13	4	2	65
Yukon-Koyukuk	1,158	28	5	3	2	14	52
Northern	4,545	91	82	73	9	25	280
Nome	1,610	29	37	34	3	13	116
North Slope	1,642	29	28	24	4	7	92
Northwest Arctic	1,293	33	17	15	2	5	72
Southeast	19,128	337	366	279	87	77	1,146
Haines	538	5	14	14	0	0	33
Juneau	8,563	130	199	158	41	18	546
Ketchikan Gateway	3,605	88	76	48	28	30	270
Prince of Wales	1,467	14	12	12	0	7	45
Sitka	2,193	83	47	34	13	11	188
Skagway-Hoonah- Angoon	832	5	12	7	5	7	36
Wrangell-Petersburg	1,643	12	6	6	0	4	28
Yakutat	287	0	0	0	0	0	0
Southwest	8,012	158	114	92	22	55	441
Aleutians East	670	8	0	0	0	0	8
Aleutians West	2,135	1	5	5	0	0	11
Bethel	2,836	84	77	59	18	34	272
Bristol Bay	328	5	8	8	0	0	21
Dillingham	879	20	22	18	4	13	77
Lake and Peninsula	290	3	0	0	0	4	7
Wade Hampton	874	37	2	2	0	4	45

Source: U.S. Census Bureau, 2000 Census, Table P50. Data set: Summary File 3 (SF 3) - Sample Data.

Note: The occupation data presented includes employed civilians aged 16 and over who declared some type of health care job as an occupation.

For further information:

http://factfinder.census.gov/servlet/DTGeoSearchByListServlet?ds_name=DEC_2000_SF3_U&lang=en&ts=199820896828

Table 3.160
Health Care Occupations, Female, 2000

Region/Census Area	Total Female 16 and Over Employed Population	Community and Social Services Occupations	Health Care Practitioners and Technical Occupations	Health Diagnosing and Treating Practitioners and Technical Occupations	Health Technologists and Technicians	Health Care Support Occupations	Total Health Care Occupations Employment
Statewide Total	132,498	3,423	8,368	6,102	2,266	4,070	24,229
Anchorage/Mat-Su	71,308	1,641	5,157	3,736	1,421	1,993	13,948
Anchorage	60,138	1,346	4,359	3,148	1,211	1,590	11,654
Matanuska-Susitna	11,170	295	798	588	210	403	2,294
Gulf Coast	13,963	296	713	503	210	523	2,245
Kenai Peninsula	9,090	204	535	377	158	434	1,708
Kodiak Island	2,911	55	114	86	28	70	353
Valdez-Cordova	1,962	37	64	40	24	19	184
Interior	19,363	491	943	711	232	525	2,902
Denali	334	0	12	10	2	0	24
Fairbanks North Star	17,009	416	887	657	230	444	2,634
Southeast Fairbanks	902	9	19	19	0	21	68
Yukon-Koyukuk	1,118	66	25	25	0	60	176
Northern	3,979	180	178	142	36	167	703
Nome	1,497	83	60	57	3	75	278
North Slope	1,348	49	57	44	13	31	194
Northwest Arctic	1,134	48	61	41	20	61	231
Southeast	17,326	512	1,061	779	282	577	3,211
Haines	454	10	12	5	7	8	42
Juneau	7,974	289	427	283	144	238	1,381
Ketchikan Gateway	3,412	47	244	205	39	135	670
Prince of Wales	1,147	29	18	12	6	34	99
Sitka	2,159	87	282	219	63	103	754
Skagway-Hoonah-Angoon	639	0	10	10	0	15	35
Wrangell-Petersburg	1,388	42	65	42	23	44	216
Yakutat	153	8	3	3	0	0	14
Southwest	6,559	303	316	231	85	285	1,220
Aleutians East	416	2	12	9	3	7	33
Aleutians West	1,117	14	26	24	2	8	74
Bethel	2,645	160	176	134	42	140	652
Bristol Bay	253	9	10	2	8	13	42
Dillingham	886	49	70	54	16	31	220
Lake and Peninsula	291	12	12	2	10	25	61
Wade Hampton	951	57	10	6	4	61	138

Source: U.S. Census Bureau, 2000 Census, Table P50. Data set: Summary File 3 (SF 3) - Sample Data.

Note: The occupation data presented includes employed civilians age 16 and over who declared some type of health care job as an occupation.

For further information:

http://factfinder.census.gov/servlet/DTGeoSearchByListServlet?ds_name=DEC_2000_SF3_U&lang=en&ts=199820896828

Table 3.170
Allied Health Workforce—Selected Licensed Occupations by Type, by Region, 2007 *

Region	Direct-Entry Midwives	Dietitians	Nutritionists	Audiologists	Endorsed Optometrists
Statewide Total	21	141	3	31	105
Anchorage-Mat-Su	11	76	3	19	63
Anchorage	6	68	2	17	59
Matanuska-Susitna	5	8	1	2	4
Gulf Coast	3	12	0	2	6
Kenai Peninsula	2	8	0	2	4
Kodiak Island	0	4	0	0	2
Valdez-Cordova	1	0	0	0	0
Interior	3	16	0	1	21
Denali	0	0	0	0	0
Fairbanks North Star	3	16	0	1	21
Southeast Fairbanks	0	0	0	0	0
Yukon-Koyukuk	0	0	0	0	0
Northern	0	9	0	3	2
Nome	0	4	0	2	1
North Slope	0	2	0	1	0
Northwest Arctic	0	3	0	0	1
Southeast	4	18	0	4	9
Haines	0	0	0	0	0
Juneau	4	10	0	4	4
Ketchikan Gateway	0	3	0	0	2
Prince of Wales	0	0	0	0	0
Sitka	0	4	0	0	3
Skagway-Hoonah-Angoon	0	0	0	0	0
Wrangell-Petersburg	0	1	0	0	0
Yakutat	0	0	0	0	0
Southwest	0	10	0	2	4
Aleutians East	0	0	0	0	0
Aleutians West	0	0	0	0	0
Bethel	0	6	0	1	3
Bristol Bay	0	0	0	0	0
Dillingham	0	4	0	1	1
Lake and Peninsula	0	0	0	0	0
Wade Hampton	0	0	0	0	0

Source: Alaska Division of Corporations, Business and Professional Licensing, Department of Commerce, Community, and Economic Development (2007) Occupational Licensure Database (accessed 3/16/07).

Note: Licensure data include only active, unrestricted licenses.

For further information: <http://www.commerce.state.ak.us/occ/apps/ODStart.cfm>

Table 3.180
Allied Health Workforce: Selected Licensed Habilitation Specialties, by Type, by Region, 2007

Regional/Census Area	Chiropractor	Occupational Therapist	Occupational Therapist Assistant	Physical Therapist	Physical Therapist Assistant	Speech Pathologist	Speech Pathologist Assistant
Statewide Totals	200	201	12	398	42	135	15
Anchorage/Mat-Su	124	130	9	246	28	81	5
Anchorage	100	110	8	207	20	76	2
Matanuska-Susitna	24	20	1	39	8	5	3
Gulf Coast	23	25	1	47	9	17	4
Kenai Peninsula	17	19	0	34	6	13	4
Kodiak Island	2	4	1	9	3	3	0
Valdez-Cordova	4	2	0	4	0	1	0
Interior	17	20	2	52	5	16	2
Denali	0	0	0	1	0	0	0
Fairbanks North Star	16	20	2	50	5	16	2
Southeast Fairbanks	1	0	0	0	0	0	0
Yukon-Koyukuk	0	0	0	1	0	0	0
Northern	3	1	0	2	0	1	0
Nome	1	0	0	2	0	0	0
North Slope	1	0	0	0	0	1	0
Northwest Arctic	1	1	0	0	0	0	0
Southeast	26	22	0	43	0	20	4
Haines	1	1	0	2	0	0	0
Juneau	13	9	0	20	0	12	1
Ketchikan Gateway	5	7	0	8	0	5	0
Prince of Wales	1	0	0	0	0	0	1
Sitka	4	5	0	10	0	3	1
Skagway-Angoon-Hoonah	0	0	0	0	0	0	1
Wrangell-Petersburg	2	0	0	3	0	0	0
Yakutat	0	0	0	0	0	0	0
Southwest	7	2	0	8	0	0	0
Aleutians East	0	0	0	0	0	0	0
Aleutians West	4	1	0	0	0	0	0
Bethel	1	0	0	6	0	0	0
Bristol Bay	0	1	0	1	0	0	0
Dillingham	2	0	0	0	0	0	0
Lake and Peninsula	0	0	0	1	0	0	0
Wade Hampton	0	0	0	0	0	0	0
Unknown	0	1	0	0	0	0	0

Source: Alaska Division of Corporations, Business and Professional Licensing, Department of Commerce, Community, and Economic Development (2007). Occupational Licensure Database (accessed 3/16/07).

Note: Licensure data include only active, unrestricted licenses.

For further information: <http://www.commerce.state.ak.us/occ/apps/ODStart.cfm>

Table 3.190
Community Health Aides and Practitioners (CHA/Ps)—by Level, by Census Area, 2007

Region/Census Area	CHA I	CHA II	CHA III	CHA IV	CHP	Total
Statewide Total	24	37	54	45	251	411
Anchorage/Mat-Su	0	0	0	0	2	2
Anchorage	-	-	-	-	2	2
Matanuska-Susitna	-	-	-	-	-	-
Gulf Coast	2	3	2	8	10	25
Kenai Peninsula	1	1	-	-	6	8
Kodiak Island	1	2	1	3	3	10
Valdez-Cordova	-	-	1	5	1	7
Interior	2	0	6	6	27	41
Denali	-	-	-	-	-	-
Fairbanks North Star	-	-	1	-	3	4
Southeast Fairbanks	-	-	1	1	4	6
Yukon-Koyukuk	2	-	4	5	20	31
Northern	1	5	16	14	56	92
Nome	-	-	13	8	26	47
North Slope	1	2	1	1	3	8
Northwest Arctic	-	3	2	5	27	37
Southeast	1	3	0	0	12	16
Haines	-	-	-	-	1	1
Juneau	-	-	-	-	-	-
Ketchikan Gateway	-	-	-	-	-	-
Prince of Wales	1	-	-	-	3	4
Sitka	-	-	-	-	1	1
Skagway-Hoonah-Angoona	-	3	-	-	3	6
Wrangell-Petersburg	-	-	-	-	3	3
Yakutat	-	-	-	-	1	1
Southwest	18	26	30	17	144	235
Aleutians East	-	-	-	2	4	6
Aleutians West	-	-	2	-	1	3
Bethel	6	11	13	10	62	102
Bristol Bay	-	1	-	-	6	7
Dillingham	-	3	2	-	23	28
Lake and Peninsula	2	5	4	1	19	31
Wade Hampton	10	6	9	4	29	58

Source: CHAPS Certification Board. (2007). Community Health Aide Program Certification Board's List (as of 3/27/07). Personal communication from Victoria Heart and Ella Gonzalez, Alaska Tribal Health Consortium.

Note: All included listings are for those with active certificates, as of 3/27/07. Little Diomedé was added to the Nome Census Area for purposes of this table.

Table 3.200
Pharmacy Workforce—by Type, by Region, 2007

Region	Pharmacists	Pharmacist Interns	Pharmacy Technicians	Total Workforce
Statewide Total	421	23	958	1,402
Anchorage-Mat-Su	244	14	594	852
Anchorage	204	10	476	690
Matanuska-Susitna	40	4	118	162
Gulf Coast	47	1	100	148
Kenai Peninsula	37	1	71	109
Kodiak Island	7	0	14	21
Valdez-Cordova	3	0	15	18
Interior	60	3	126	189
Denali	2	0	0	2
Fairbanks North Star	58	3	126	187
Southeast Fairbanks	0	0	0	0
Yukon-Koyukuk	0	0	0	0
Northern	3	1	26	30
Nome	1	0	9	10
North Slope	0	1	10	11
Northwest Arctic	2	0	7	9
Southeast	49	3	109	161
Haines	1	0	1	2
Juneau	19	0	55	74
Ketchikan Gateway	9	2	32	43
Prince of Wales	4	0	8	12
Sitka	13	1	10	24
Skagway-Hoonah-Angoon	0	0	0	0
Wrangell-Petersburg	3	0	3	6
Yakutat	0	0	0	0
Southwest	18	1	3	22
Aleutians East	0	0	0	0
Aleutians West	0	0	0	0
Bethel	14	0	1	15
Bristol Bay	0	0	0	0
Dillingham	4	1	1	6
Lake and Peninsula	0	0	0	0
Wade Hampton	0	0	1	1

Source: Alaska Division of Corporations, Business and Professional Licensing, Department of Commerce, Community, and Economic Development (2007). Occupational Licensure Database (accessed 3/16/07).

Note: Licensure data include only active, unrestricted licenses.

For further information: <http://www.commerce.state.ak.us/occ/apps/ODStart.cfm>

Emergency Medical Services

Table 3.210
Emergency Medical Services Workforce, by Level, by Region, 2007

Regional/Census Area	Mobile Intensive Care Paramedics	EMT-I	EMT-II	EMT-III	Total Unduplicated EMS Individual Practitioners
Statewide Totals	313	1,847	622	690	3,472
Anchorage/Mat-Su	182	700	226	233	1,341
Anchorage	128	575	149	185	1,037
Matanuska-Susitna	54	125	77	48	304
Gulf Coast	44	217	114	131	506
Kenai Peninsula	44	134	73	89	340
Kodiak Island	0	32	29	28	89
Valdez-Cordova	0	51	12	14	77
Interior	39	330	93	179	641
Denali	1	17	11	6	35
Fairbanks North Star	37	248	68	155	508
Southeast Fairbanks	1	38	8	17	64
Yukon-Koyukuk	0	27	6	1	34
Northern	13	106	26	25	170
Nome	3	55	10	5	73
North Slope	5	17	14	8	44
Northwest Arctic	5	34	2	12	53
Southeast	33	282	99	80	494
Haines	0	11	6	2	19
Juneau	20	82	8	27	137
Ketchikan Gateway	7	41	10	18	76
Prince of Wales	0	39	12	2	53
Sitka	4	30	23	20	77
Skagway-Angoon-Hoonah	1	40	8	7	56
Wrangell-Petersburg	1	33	32	2	68
Yakutat	0	6	0	2	8
Southwest	2	212	64	42	320
Aleutians East	0	18	1	1	20
Aleutians West	1	26	18	14	59
Bethel	1	83	16	16	116
Bristol Bay	0	9	6	0	15
Dillingham	0	24	11	9	44
Lake and Peninsula	0	29	9	1	39
Wade Hampton	0	23	3	1	27

Source for Paramedics: McLearn, Kathy. (2007). Personal communication, re: Emergency Medical Technicians certification roster (March, 2007). Section of Injury Prevention and Emergency Medical Services, Division of Public Health, Alaska DHSS. [AND] Alaska Division of Corporations, Business and Professional Licensing, Department of Commerce, Community, and Economic Development (2007). Occupational Licensure Database (accessed 3/16/07).

Note: Licensure data include only active, unrestricted licenses.

For further information: <http://www.commerce.state.ak.us/occ/apps/ODStart.cfm>
<http://hss.state.ak.us/apps/EMSCert/ResponderSearchPage.aspx>

Table 3.220
Emergency Medical Technicians, by Level, by Community, 2007

Region/Census Area	EMT-I	EMT-II	EMT-III	Totals
Statewide Total	1,847	622	690	3,159
Anchorage/Mat-Su	700	226	233	1,159
Anchorage	575	149	185	909
Anchorage	375	101	111	587
Chugiak	36	8	16	60
Eagle River	47	16	29	92
Elmendorf AFB	23	7	13	43
Fort Richardson	54	4	0	58
Girdwood	39	12	16	67
Indian	1	1	0	2
Matanuska-Susitna	125	77	48	250
Big Lake	1	3	4	8
Chickaloon	2	1	0	3
Glenallen	12	1	0	13
Houston	1	2	1	4
Palmer	24	13	28	65
Sutton	7	3	6	16
Talkeetna	11	7	5	23
Trapper Creek	1	2	2	5
Wasilla	66	41	0	107
Willow	0	4	2	6
Gulf Coast	217	114	131	462
Kenai Peninsula	134	73	89	296
Anchor Point	6	6	6	18
Clam Gulch	2	0	0	2
Cooper Landing	10	5	2	17
Fritz Creek	2	0	1	3
Homer	22	9	3	34
Hope	6	0	0	6
Kasilof	3	0	2	5
Kenai	16	16	26	58
Moose Pass	0	0	2	2
Nanwalek	3	0	0	3
Nikiski	3	2	3	8
Nikolaevsk	2	0	1	3
Ninilchik	10	5	4	19
Port Graham	3	0	0	3

Table continued on next page

Table 3.220 (cont.)
Emergency Medical Technicians, by Level, by Community, 2007

Region/Census Area	EMT-I	EMT-II	EMT-III	Totals
Seldovia	1	4	4	9
Seward	7	4	11	22
Soldotna	27	19	23	69
Sterling	5	3	1	9
Tyonek	6	0	0	6
Kodiak Island	32	29	28	89
Chiniak	2	0	1	3
Karluk	0	0	0	0
Kodiak	23	29	27	79
Larsen Bay	0	0	0	0
Old Harbor	4	0	0	4
Port Lions	3	0	0	3
Valdez-Cordova	51	12	14	77
Chenega Bay	2	0	0	2
Chitina	4	1	0	5
Copper Center	3	3	0	6
Cordova	15	2	2	19
Glenallen	12	2	0	14
Tatitlek	1	0	0	1
Valdez	15	6	12	33
Whittier	11	0	0	11
Interior	330	93	179	602
Denali	17	11	6	34
Anderson	0	1	0	1
Cantwell	3	1	0	4
Clear	6	3	2	11
Denali	1	0	0	1
Denali Park	2	1	1	4
Healy	4	5	3	12
McKinley Park	1	0	0	1
Fairbanks North Star	248	68	155	471
Eielson AFB	4	0	10	14
Ester	3	2	2	7
Fairbanks	149	42	93	284
Fort Wainwright	38	2	13	53
North Pole	50	17	30	97
Salcha	3	4	6	13
Two Rivers	1	1	1	3

Table continued on next page

Table 3.220 (cont.)
Emergency Medical Technicians, by Level, by Community, 2007

Region/Census Area	EMT-I	EMT-II	EMT-III	Totals
Southeast Fairbanks	38	8	17	63
Delta Junction	11	3	2	16
Dot Lake	1	0	0	1
Eagle	1	2	1	4
Fort Greeley	8	1	1	10
Northway	2	0	1	3
Tok	15	2	12	29
Yukon Koyukuk	27	6	1	34
Allakaket	1	0	0	1
Anvik	1	0	0	1
Bettles	2	0	0	2
Fort Yukon	2	3	0	5
Galena	5	0	0	5
Grayling	2	0	0	2
Huslia	1	0	0	1
Kaltag	0	1	0	1
Koyukuk	1	0	0	1
Manley	0	0	0	0
McGrath	2	0	0	2
Minto	2	0	0	2
Nenana	2	2	1	5
Nikolai	1	0	0	1
Nulato	1	0	0	1
Ruby	2	0	0	2
Takotna	1	0	0	1
Venetie	1	0	0	1
Northern	106	26	25	157
Nome	55	10	5	70
Brevig Mission	1	0	0	1
Elim	4	0	0	4
Gambell	3	1	0	4
Golovin	3	0	0	3
Koyuk	1	1	0	2
Nome	20	5	5	30
Savoonga	4	0	0	4
Shaktolik	3	0	0	3
Shismaref	3	0	0	3
Stebbins	2	0	0	2
Teller	1	0	0	1

Table continued on next page

**Table 3.220 (cont.)
Emergency Medical Technicians, by Level, by Community, 2007**

Region/Census Area	EMT-I	EMT-II	EMT-III	Totals
Unalakleet	6	1	0	7
Wales	2	0	0	2
White Mountain	2	2	0	4
North Slope	17	14	8	39
Anaktuvuk Pass	1	1	0	2
Atkasuk	1	0	0	1
Barrow	12	8	7	27
Kaktovik	1	1	0	2
Nuiqsut	1	1	0	2
Point Hope	0	1	0	1
Point Lay	0	1	0	1
Prudhoe Bay	0	0	1	1
Wainwright	1	1	0	2
Northwest Arctic	34	2	12	48
Ambler	1	0	0	1
Buckland	3	1	0	4
Deering	0	0	1	1
Kiana	1	0	1	2
Kivalina	1	0	0	1
Kobuk	0	0	0	0
Kotzebue	22	0	9	31
Noatak	2	0	0	2
Selawik	3	1	1	5
Shungnak	1	0	0	1
Southeast	282	99	80	461
Haines	11	6	2	19
Juneau	82	8	27	117
Auke Bay	7	3	2	12
Douglas	7	1	0	8
Juneau	68	4	25	97
Ketchikan Gateway	41	10	18	69
Ketchikan	41	10	17	68
Ward Cove	0	0	1	1
Prince of Wales	39	12	2	53
Coffman Cove	1	1	0	2
Craig	5	6	1	12
Hydaburg	2	1	0	3
Hyder	1	0	0	1
Kasaan	1	0	0	1

Table continued on next page

Table 3.220 (cont.)
Emergency Medical Technicians, by Level, by Community, 2007

Region/Census Area	EMT-I	EMT-II	EMT-III	Totals
Klawock	2	0	1	3
Mellakatta	11	0	0	11
Naukati	1	1	0	2
Thorne Bay	15	3	0	18
Sitka	30	23	20	73
Skagway-Hoonah-Angoon	40	8	7	55
Angoon	1	0	0	1
Elfin Cove	1	0	0	1
Gustavus	8	0	0	8
Hoonah	11	2	2	15
Pelican	3	0	1	4
Skagway	16	6	4	26
Wrangell-Petersburg	33	32	2	67
Kake	8	0	2	10
Petersburg	9	18	0	27
Wrangell	16	14	0	30
Yakutat	6	0	2	8
Southwest	212	64	42	318
Aleutians East	18	1	1	20
Akutan	0	1	1	2
Cold Bay	3	0	0	3
False Pass	2	0	0	2
King Cove	6	0	0	6
Nelson Lagoon	2	0	0	2
Sand Point	5	0	0	5
Aleutians West	26	18	14	58
Adak	0	1	0	1
Dutch Harbor	14	10	7	31
Nikolski	1	0	0	1
Unalaska	11	7	7	25
Bethel	83	16	16	115
Akiachak	2	0	0	2
Akiak	3	0	0	3
Aniak	0	3	4	7
Atmautluak	2	0	0	2
Bethel	27	6	12	45
Cefornak	3	0	0	3
Crooked Creek	2	1	0	3
Eek	2	0	0	2

Table continued on next page

Table 3.220 (cont.)
Emergency Medical Technicians, by Level, by Community, 2007

Region/Census Area	EMT-I	EMT-II	EMT-III	Totals
Goodnews Bay	2	0	0	2
Kalskag	2	0	0	2
Kasigluk	3	0	0	3
Kipnuk	5	3	0	8
Kongiganak	1	3	0	4
Kwethluk	0	0	0	0
Kwigillingok	5	0	0	5
Lower Kalskag	4	0	0	4
Mekoyruk	1	0	0	1
Napakiak	2	0	0	2
Napaskiak	1	0	0	1
Nunapitchuk	1	0	0	1
Platinum	1	0	0	1
Quinhagak	2	0	0	2
Red Devil	1	0	0	1
Toksook Bay	4	0	0	4
Tuluksak	3	0	0	3
Tuntutuliak	1	0	0	1
Tununak	2	0	0	2
Upper Kalskag	1	0	0	1
Bristol Bay	9	6	0	15
King Salmon	5	2	0	7
Naknek	1	4	0	5
South Naknek	3	0	0	3
Dillingham	24	11	9	44
Aleknagik	3	0	0	3
Dillingham	10	5	9	24
Ekwok	1	1	0	2
Koliganek	1	1	0	2
Manokotak	2	2	0	4
New Stuyahok	3	0	0	3
Togiak	4	2	0	6
Lake and Peninsula	29	9	1	39
Chignik	3	0	0	3
Chignik Lagoon	1	1	0	2
Chignik Lake	3	1	0	4
Egegik	2	0	0	2
Igiugig	2	1	0	3
Iliamna	2	2	0	4
Kokhanok Bay	4	1	0	5

Table continued on next page

**Table 3.220 (cont.)
Emergency Medical Technicians, by Level, by Community, 2007**

Region/Census Area	EMT-I	EMT-II	EMT-III	Totals
Levelock	2	0	0	2
Newhalen	0	1	0	1
Nondalton	2	0	1	3
Pedro Bay	3	0	0	3
Perryville	1	0	0	1
Pilot Point	1	0	0	1
Port Alsworth	2	0	0	2
Port Heiden	1	2	0	3
Wade Hampton	23	3	1	27
Alakanuk	3	0	0	3
Chevak	3	1	0	4
Emmonak	1	1	1	3
Hooper Bay	1	0	0	1
Kotlik	3	0	0	3
Marshall	3	0	0	3
Mountain Village	3	0	0	3
Pilot Station	1	0	0	1
Russian Mission	1	1	0	2
St. Marys	4	0	0	4
Out of State	57	13	19	89
Unknown	1			1

Source: McLeron, Kathy. (2007). Personal communication, re: Emergency Medical Technicians certification roster (March, 2007). Section of Injury Prevention and Emergency Medical Services, Division Public Health, Alaska DHSS.

For further information: <http://hss.state.ak.us/apps/EMSCert/ResponderSearchPage.aspx>

Behavioral Health Services

Table 3.230
Psychiatric, Psychological & Counseling Workforce, by Region, 2007

Region/Census Area	Psychiatrists	Clinical Psychologists	Psychological Associates	Professional Counselors	Marriage & Family Therapists	License Totals
Statewide Totals	63	138	46	356	78	681
Anchorage/Mat-Su	45	88	33	195	56	417
Anchorage	43	82	28	156	50	316
Matanuska-Susitna	2	6	5	39	6	56
Gulf Coast	4	11	3	29	6	53
Kenai Peninsula	3	10	3	24	5	42
Kodiak Island	1	1	0	2	0	3
Valdez-Cordova	0	0	0	3	1	4
Interior	4	18	7	51	9	89
Denali	0	0	0	0	0	0
Fairbanks North Star	4	18	7	47	9	81
Southeast Fairbanks	0	0	0	1	0	1
Yukon-Koyukuk	0	0	0	3	0	3
Northern	0	3	1	10	0	14
Nome	0	2	1	4	0	7
North Slope	0	1	0	4	0	5
Northwest Arctic	0	0	0	2	0	2
Southeast	10	15	2	55	5	87
Haines	0	0	0	3	0	3
Juneau	7	7	2	32	5	46
Ketchikan Gateway	1	3	0	11	0	14
Prince of Wales	0	0	0	0	0	0
Sitka	2	5	0	9	0	14
Skagway-Hoonah-Angoon	0	0	0	0	0	0
Wrangell-Petersburg	0	0	0	0	0	0
Yakutat	0	0	0	0	0	0
Southwest	0	3	0	16	2	21
Aleutians East	0	0	0	1	0	1
Aleutians West	0	0	0	1	0	1
Bethel	0	2	0	13	1	16
Bristol Bay	0	0	0	0	0	0
Dillingham	0	1	0	1	1	3
Lake and Peninsula	0	0	0	0	0	0
Wade Hampton	0	0	0	0	0	0

Source: Alaska Division of Corporations, Business and Professional Licensing, Department of Commerce, Community, and Economic Development (2007). Occupational Licensure Database (accessed 3/14/07). [AND] Alaska State Medical Association Directory, Psychiatrists Licensed in Alaska, 2007.

Note: Licensure data include only active, unrestricted licenses.

For further information: <http://www.commerce.state.ak.us/occ/apps/ODStart.cfm>

Table 3.240
Social Work Workforce, by Region, 2007

Region/Census Area	Masters in Social Work	Clinical Social Worker	Bachelors in Social Work	Total Workforce
Statewide Totals	63	324	59	446
Anchorage/Mat-Su	35	162	26	223
Anchorage	27	143	16	186
Matanuska-Susitna	8	19	10	37
Gulf Coast	3	30	5	38
Kenai Peninsula	2	20	3	25
Kodiak Island	0	7	1	8
Valdez-Cordova	1	3	1	5
Interior	6	50	14	70
Denali	0	0	0	0
Fairbanks North Star	6	46	14	66
Southeast Fairbanks	0	2	0	2
Yukon-Koyukuk	0	2	0	2
Northern	3	14	0	17
Nome	1	11	0	12
North Slope	1	2	0	3
Northwest Arctic	1	1	0	2
Southeast	7	49	12	68
Haines	0	2	0	2
Juneau	4	26	7	37
Ketchikan Gateway	0	8	2	10
Prince of Wales	1	2	0	3
Sitka	1	8	3	12
Skagway-Hoonah-Angoon	0	0	0	0
Wrangell-Petersburg	1	3	0	4
Yakutat	0	0	0	0
Southwest	9	19	2	30
Aleutians East	1	1	0	2
Aleutians West	0	2	0	2
Bethel	7	13	0	20
Bristol Bay	0	0	1	1
Dillingham	1	2	1	4
Lake and Peninsula	0	0	0	0
Wade Hampton	0	1	0	1

Source: Alaska Division of Corporations, Business and Professional Licensing, Department of Commerce, Community, and Economic Development (2007) Occupational Licensure Database (accessed 3/14/07).

Note: Licensure data include only active, unrestricted licenses.

For further information: <http://www.commerce.state.ak.us/occ/apps/ODStart.cfm>

Table 3.250
Office of Children's Services: Child Protective Services Positions, by Type, by Region, 2007

Region/Census Area	Licensed Social Workers	Children Service Specialists	Nurses	Social Service Associates	Managers	Total Full Time Equivalents
Statewide Total	132	151	5	41	12	341
Anchorage-Mat-Su	65	65	3	19	6	158
Anchorage	47	60	2	16	4	129
Matanuska-Susitna	18	5	1	3	2	29
Gulf Coast	14	9	0	1	0	24
Kenai Peninsula	11	8	0	1	0	20
Kodiak Island	2	1	0	0	0	3
Valdez-Cordova	1	0	0	0	0	1
Interior	22	24	1	8	3	58
Denali	1	3	0	1	0	5
Fairbanks North Star	21	17	1	4	3	46
Southeast Fairbanks	0	1	0	0	0	1
Yukon-Koyukuk	0	3	0	3	0	6
Northern	5	9	0	4	0	18
Nome	2	4	0	1	0	7
North Slope	2	2	0	2	0	6
Northwest Arctic	1	3	0	1	0	5
Southeast	15	26	1	6	2	50
Haines	0	1	0	0	0	1
Juneau	8	16	1	4	2	31
Ketchikan Gateway	3	4	0	2	0	9
Prince of Wales	2	0	0	0	0	2
Sitka	2	1	0	0	0	3
Skagway-Yakutat-Angoon	0	0	0	0	0	0
Wrangell-Petersburg	0	1	0	0	0	1
Yakutat	0	3	0	0	0	3
Southwest	11	18	0	3	1	33
Aleutians East	0	1	0	0	0	1
Aleutians West	1	1	0	0	1	3
Bethel	6	11	0	3	0	20
Bristol Bay	4	1	0	0	0	5
Dillingham	0	3	0	0	0	3
Lake and Peninsula	0	1	0	0	0	1
Wade Hampton	0	0	0	0	0	0

Source: Price, Shawnda. (2007). Personal communication, re: OCS staffing pattern (10/15/07). Office of Children's Services, Alaska DHSS.

Note: These are unique positions, by level, including filled and vacant, and permanent and non-permanent. Location of FTE is where position is housed; some positions are itinerant positions.

Dental Workforce

Table 3.260
Dental Health Workforce, 2007

Region/Census Area	Dentists	Dental Hygienists	PDHA-I&II*	EFDHA-I&II*	Certified Dental Health Aide Therapists*
Statewide Totals	467	409	10	12	8
Anchorage/Mat-Su	278	268	0	0	0
Anchorage	242	213	0	0	0
Matanuska-Susitna	36	55	0	0	0
Gulf Coast	46	43	0	0	0
Kenai Peninsula	33	33	0	0	0
Kodiak Island	10	9	0	0	0
Valdez-Cordova	3	1	0	0	0
Interior	63	44	0	6	0
Denali	0	0	0	0	0
Fairbanks North Star	61	44	0	6	0
Southeast Fairbanks	2	0	0	0	0
Yukon-Koyukuk	0	0	0	0	0
Northern	9	2	0	6	6
Nome	6	1	0	6	2
North Slope	2	1	0	0	0
Northwest Arctic	1	0	0	0	4
Southeast	49	47	3	0	0
Haines	2	1	0	0	0
Juneau	25	26	3	0	0
Ketchikan Gateway	8	10	0	0	0
Prince of Wales	1	1	0	0	0
Sitka	7	4	0	0	0
Skagway-Hoonah-Angoon	0	1	0	0	0
Wrangell-Petersburg	6	4	0	0	0
Yakutat	0	0	0	0	0
Southwest	22	5	7	0	2
Aleutians East	0	0	0	0	0
Aleutians West	3	1	0	0	0
Bethel	14	2	7	0	2
Bristol Bay	0	0	0	0	0
Dillingham	5	2	0	0	0
Lake and Peninsula	0	0	0	0	0
Wade Hampton	0	0	0	0	0

Source: Alaska Division of Corporations, Business and Professional Licensing, Department of Commerce, Community, and Economic Development (2007). [Occupational Licensure Database](#) (accessed 3/14/07). [AND] [Community Health Aide Program Certification Board's List](#) (as of 2/19/07). Personal communication from Ron Nagel, Alaska Native Tribal Health Consortium.

*Note: Dental Health Aides (all categories) are not licensed by the State of Alaska, but are credentialed via the Community Health Aide Program (CHAP) Certification Board.

(Notes continued on next page)

Table 3.260 (cont.)
Dental Health Workforce, 2007

Definitions:

PDHA is defined as Primary Dental Health Aides I and II

PDHA I- Village based services. Provides education and topical fluoride application. PDHA II- Builds upon the PDHA services in the village, places sealants, exposes radiographs, performs cleanings and atraumatic restorative treatment, manages emergencies, and assists the dentist in the village

EFDHA is defined as an Extended Function Dental Health Aide I and II Clinic based. Functions as dental assistant. EFDHA I places filling materials in prepared teeth (simple), EFDHA II places filling materials in prepared teeth (complex), May perform cleanings.

Note: Licensure data include only active, unrestricted licenses.

For further description of these job classes, see:

Community Health Aide Program certification Board, Standards and Procedures, Amended 1/31/2005

Projected Growth

Table 3.300
Health Care Workforce—Projected Growth as Compared to Other Industries, 2004-2014

	2004	2014	2004-2014	Total % Change
Total Employment*	301,300	349,550	48,250	16.0%
Agriculture, Forestry, Fishing and Hunting	1,050	1,050	0	0.0%
Mining	9,700	11,500	1,800	18.6%
Oil and Gas Extraction	2,500	2,500	0	0.0%
Mining without Oil and Gas	1,350	2,050	700	51.9%
Support activities for Mining	5,850	6,950	1,100	18.8%
Utilities	1,800	2,200	400	22.2%
Construction	17,650	21,400	3,750	21.2%
Manufacturing	12,300	12,500	200	1.6%
Seafood Product Preparation and Packaging	8,550	8,800	250	2.9%
Wood Product Manufacturing	350	350	0	0.0%
Wholesale Trade	6,350	6,550	200	3.1%
Retail Trade	34,900	39,750	4,850	13.9%
Transportation and Warehousing	19,100	20,200	1,100	5.8%
Information	6,850	7,600	750	10.9%
Finance and Insurance	8,550	10,450	1,900	22.2%
Real Estate, Rental and Leasing	4,850	5,850	1,000	20.6%
Professional, Scientific and Technical Services	11,200	14,250	3,050	27.2%
Management of Companies and Enterprises	1,150	1,450	300	26.1%
Administrative, Support, Waste Management and Remediation Services	11,050	11,650	600	5.4%
Educational Services**	2,000	2,200	200	10.0%
Health Care and Social Assistance	32,700	43,650	10,950	33.5%
Art, Entertainment and Recreation	3,900	5,000	1,100	28.2%
Accommodations and Food Services	26,250	34,700	8,450	32.2%
Other Services (except Public Administration)	10,750	13,000	2,250	20.9%
Federal Government***	17,200	17,150	-50	-0.3%
State Government****	24,050	26,800	2,750	11.4%
Local Government*****	37,850	40,650	2,800	7.4%

Source: Cannon, Jack, and Lee, Yuancie. (2006). A 10-Year Industry Forecast. *Alaska Economic Trends*. Alaska Department of Labor and Workforce Development (vol 26 (11), pg 4-10).

Note: Excludes self-employed workers, fishermen, domestic workers, unpaid family workers and nonprofit volunteers.

**Private education only

***Excludes uniformed military

****Includes University of Alaska

*****Includes public school systems

For further information: <http://labor.state.ak.us/trends/nov06.pdf>

Table 3.310
Community and Social Service Occupations, Employment, Current (2004) and Projected (2014)

Occupation	Employment		Change		Statewide
	2004	2014	Numeric	Percent	Mean Wage
Child, Family, and School Social Workers	1,092	1,349	257	23.5%	\$18.78
Clergy	951	1,086	135	14.2%	\$17.42
Community and Social Service Specialists, All Other	463	615	152	32.8%	\$18.56
Educational, Vocational, and School Counselors	665	787	122	18.4%	\$23.32
Health Educators	294	352	58	19.7%	\$19.85
Mental Health and Substance Abuse Social Workers	384	523	139	36.2%	\$18.17
Mental Health Counselors	256	338	82	32.0%	\$20.60
Probation Officers and Correctional Treatment Specialists	253	276	23	9.1%	\$24.71
Social and Human Service Assistants	921	1,240	319	34.6%	\$15.05
Social Workers, All Other	354	437	83	23.5%	\$21.97
Substance Abuse and Behavioral Disorder Counselors	392	484	92	23.5%	\$20.18

Source: Alaska Department of Labor and Workforce Development. (2007). [Alaska Occupational Forecast to 2014](#) (accessed 3/30/07).

For further information: <http://146.63.75.50/research/iodata/occproj.htm>

Table 3.320
Health Care and Social Service Occupations, Resident Workers with Age and Non-Resident Data,
2005

Occupational Category	Number of Resident Workers	Resident Workers Age 45 & Older		Resident Workers Age 50 & Older		Total Employment	Non-Resident % of Total Employment	
		Number	% of Resident Workers	Number	% of Resident Workers			
Statewide Totals	25,044	10,218	40.80%	6,809	27.19%	27,707	9.61%	
Community and Social Service Occupations *	5,561	2,391	43.00%	1,683	30.26%	5,923	6.11%	
Child, Family, & School Social Workers	21-1021	613	235	38.3%	164	26.8%	649	6.5%
Clergy	21-2011	57	37	64.9%	30	52.6%	61	13.1%
Community & Social Service Specialists, All Other	21-1099	510	212	41.6%	148	29.0%	539	7.8%
Counselors, All Other	21-1019	331	154	46.5%	112	33.8%	360	10.8%
Directors, Religious Activities & Education	21-2021	56	32	57.1%	25	44.6%	71	23.9%
Educational, Vocational, & School Counselors	21-1012	480	281	58.5%	214	44.6%	493	5.1%
Health Educators	21-1091	146	56	38.4%	38	26.0%	156	8.3%
Marriage & Family Therapists	21-1013	48	21	43.8%	13	27.1%	50	6.0%
Medical & Public Health Social Workers	21-1022	216	94	43.5%	69	31.9%	225	5.3%
Mental Health & Substance Abuse Social Workers	21-1023	436	206	47.2%	146	33.5%	468	9.6%
Mental Health Counselors	21-1014	244	128	52.5%	88	36.1%	265	9.4%
Probation Officers & Correctional Treatment Specialists	21-1092	516	199	38.6%	131	25.4%	520	2.9%
Rehabilitation Counselors	21-1015	381	125	32.8%	80	21.0%	404	7.9%
Religious Workers, All Other	21-2099	58	16	27.6%	15	25.9%	67	16.4%
Social & Human Service Assistants	21-1093	644	209	32.5%	149	23.1%	714	12.6%
Social Workers, All Other	21-1029	509	220	43.2%	150	29.5%	547	10.4%
Substance Abuse & Behavioral Disorder Counselors	21-1011	316	166	52.5%	111	35.1%	334	7.2%
Health Care Practitioner Occupations *	11,157	5,243	47.0%	3,499	31.4%	12,780	12.70%	
Anesthesiologists	29-1061	44	22	50.0%	15	34.1%	49	10.2%
Athletic Trainers	29-9091	66	5	7.6%	3	4.5%	76	15.8%
Cardiovascular Technologists & Technicians	29-2031	22	11	50.0%	5	22.7%	28	25.0%
Chiropractors	29-1011	34	10	29.4%	7	20.6%	44	34.1%
Dental Hygienists	29-2021	359	150	41.8%	88	24.5%	380	7.9%
Dentists, General	29-1021	108	54	50.0%	41	38.0%	133	24.1%

Table continued on next page

Table 3.320 (cont.)

Health Care and Social Service Occupations, Resident Workers with Age and Non-Resident Data, 2005

Health Care Practitioner Occupations * (cont.)	Occupational Category	Number of Resident Workers	Resident Workers Age 45 & Older		Resident Workers Age 50 & Older		Total Employment	Non-Resident % of Total Employment
			Number	% of Resident Workers	Number	% of Resident Workers		
Diagnostic Medical Sonographers	29-2032	30	13	43.3%	9	30.0%	43	30.2%
Dietitians & Nutritionists	29-1031	109	41	37.6%	24	22.0%	116	6.9%
Emergency Medical Technicians & Paramedics	29-2041	253	65	25.7%	33	13.0%	281	12.5%
Family & General Practitioners	29-1062	279	155	55.6%	104	37.3%	349	26.9%
Health Diagnosing & Treating Practitioners, All Other	29-1199	160	71	44.4%	51	31.9%	168	5.4%
Health Technologists & Technicians, All Other	29-2099	403	149	37.0%	82	20.3%	440	12.0%
Health Care Practitioners & Technical Workers, All Other	29-9099	329	134	40.7%	83	25.2%	343	5.5%
Internists, General	29-1063	47	16	34.0%	14	29.8%	78	47.4%
Licensed Practical & Licensed Vocational Nurses	29-2061	480	270	56.3%	188	39.2%	553	16.5%
Medical & Clinical Laboratory Technicians	29-2012	254	107	42.1%	63	24.8%	290	13.4%
Medical & Clinical Laboratory Technologists	29-2011	162	93	57.4%	76	46.9%	176	13.1%
Medical Records & Health Information Technicians	29-2071	407	137	33.7%	90	22.1%	423	5.7%
Obstetricians & Gynecologists	29-1064	24	12	50.0%	11	45.8%	27	11.1%
Occupational Health and Safety Specialists	29-9011	137	88	64.2%	62	45.3%	164	23.8%
Occupational Health & Safety Technicians	29-9012	50	17	34.0%	9	18.0%	57	19.3%
Occupational Therapists	29-1122	141	66	46.8%	35	24.8%	165	15.8%
Opticians, Dispensing	29-2081	147	58	39.5%	43	29.3%	158	10.8%
Pediatricians, General	29-1065	34	12	35.3%	9	26.5%	41	17.1%
Pharmacists	29-1051	285	122	42.8%	88	30.9%	342	21.6%
Pharmacy Technicians	29-2052	435	89	20.5%	51	11.7%	470	9.1%
Physical Therapists	29-1123	265	80	30.2%	36	13.6%	315	19.0%
Physician Assistants	29-1071	284	171	60.2%	120	42.3%	318	16.0%
Physicians & Surgeons, All Other	29-1069	228	104	45.6%	76	33.3%	273	22.0%
Psychiatric Technicians	29-2053	221	87	39.4%	60	27.1%	234	7.7%
Psychiatrists	29-1066	55	38	69.1%	25	45.5%	68	19.1%

Table continued on next page

Table 3.320 (cont.)

Health Care and Social Service Occupations, Resident Workers with Age and Non-Resident Data, 2005

Health Care Practitioner Occupations * (cont.)	Occupational Category	Number of Resident Workers	Resident Workers Age 45 & Older		Resident Workers Age 50 & Older		Total Employment	Non-Resident % of Total Employment
			Number	% of Resident Workers	Number	% of Resident Workers		
Radiologic Technologists & Technicians	29-2034	339	151	44.5%	93	27.4%	451	27.7%
Recreational Therapists	29-1125	163	74	45.4%	47	28.8%	173	9.8%
Registered Nurses	29-1111	4,120	2,310	56.1%	1,574	38.2%	4,750	15.8%
Respiratory Therapists	29-1126	128	66	51.6%	44	34.4%	148	16.2%
Speech-Language Pathologists	29-1127	167	93	55.7%	68	40.7%	185	11.9%
Surgical Technologists	29-2055	60	23	38.3%	18	30.0%	81	28.4%
Therapists, All Other	29-1129	58	22	37.9%	18	31.0%	64	12.5%
Veterinarians	29-1131	91	32	35.2%	21	23.1%	115	26.1%
Veterinary Technologists & Technicians	29-2056	179	25	14.0%	15	8.4%	211	18.5%
Health Support Occupations *		8,326	2,584	31.0%	1,627	19.5%	9,004	7.53%
Dental Assistants	31-9091	931	216	23.2%	125	13.4%	1,031	12.2%
Health Care Support Workers, All Other	31-9099	1,951	615	31.5%	393	20.1%	2,060	7.5%
Home Health Aides	31-1011	1,879	691	36.8%	474	25.2%	2,084	12.0%
Massage Therapists	31-9011	160	45	28.1%	26	16.3%	177	13.6%
Medical Assistants	31-9092	742	147	19.8%	79	10.6%	810	10.7%
Medical Equipment Preparers	31-9093	45	16	35.6%	12	26.7%	45	0.0%
Medical Transcriptionists	31-9094	141	79	56.0%	52	36.9%	147	6.8%
Nursing Aides, Orderlies, & Attendants	31-1012	2,009	648	32.3%	396	19.7%	2,133	8.2%
Pharmacy Aides	31-9095	72	16	22.2%	11	15.3%	75	10.7%
Physical Therapist Aides	31-2022	46	11	23.9%	6	13.0%	48	6.3%
Physical Therapist Assistants	31-2021	33	9	27.3%	6	18.2%	41	22.0%
Psychiatric Aides	31-1013	124	54	43.5%	27	21.8%	125	2.4%
Veterinary Assistants & Laboratory Animal Caretakers	31-9096	193	37	19.2%	20	10.4%	228	18.0%

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section (April 2007).

* Occupations with 25 or More Workers

Notes:

Health care occupations are defined as those classified under SOC major groups 21 (Community and Social Services Occupations), 29 (Health Care Practitioner and Technical Occupations), and 31 (Health Care Support Occupations). Entries are sorted alphabetically, within occupational category, by occupational title.

Residency is calculated by matching workers reported by Alaska employers with the Permanent Fund Dividend files. If a worker applied for a Permanent Fund Dividend they are considered residents for purposes of this report.

Total Employment represents a total worker count throughout 2005 and does not correspond to an occupation's average monthly employment. Those who are self employed or volunteers are not counted.

Table 3.340
Alaska's Largest Private Sector Employers in Health Care and Social Services (HCSS), 2005

HC SS Rank	Total Rank*	Firm Name	Ave. Monthly Employment (2005)	Business Activity	Headquarters or Largest Work Site	Web site Address
1	1	Providence Health System	3,685	Hospital/medical center	Anchorage	providence.org/alaska
2	8	Yukon-Kuskokwim Health Corporation	1,372	Health care	Bethel	ykhc.org
3	10	Banner Health (including Fairbanks Memorial Hospital)	1,346	Hospital/medical center	Fairbanks	bannerhealth.com
4	13	Alaska Native Tribal Health Consortium**	1,200	Hospital/medical center	Anchorage	anthc.org
5	15	Southcentral Foundation***	1,098	Health care	Anchorage	southcentralfoundation.com
6	23	Alaska Regional Hospital	827	Hospital/medical center	Anchorage	alaskaregional.com
7	25	Southeast Alaska Regional Health Consortium	804	Social services/health care	Sitka	searhc.org
8	35	Job Ready	634	Vocational rehab services	Anchorage	readycareak.com
9	36	Hope Community Resources	634	Social services	Anchorage	hopealaska.org
10	41	Mat-Su Regional Medical Center	561	Hospital/medical center	Palmer	matsuregional.com
11	43	Tanana Chiefs Conference	559	Social services/health care	Fairbanks	tananachiefs.org
12	44	Maniilaq Association	557	Social services/health care	Kotzebue	maniilaq.org
13	47	Immediate Care	528	Health care	Anchorage	immediatecareak.com
14	52	Norton Sound Health Corporation	458	Health care	Nome	nortonsoundhealth.org
15	59	Alaska Consumer Direct Personal Care****	436	Home health	Anchorage	homehealthnursing.com
16	66	Assets	391	Social services	Anchorage	assetsinc.org
17	74	Ketchikan General Hospital	350	Hospital/medical center	Ketchikan	peacehealth.org
18	76	Bristol Bay Area Health Corporation	347	Health care	Dillingham	bbahc.org
19	77	Salvation Army-Alaska	345	Social services	Anchorage	salvationarmy.org/alaska
20	80	Access Alaska	338	Social services	Anchorage	accessalaska.org
21	87	Frontier Community Services	314	Social services	Soldotna	fcskenai.org
22	88	Rural Alaska Community Action Program	313	Social services	Anchorage	ruralcap.com
23	92	The Arc of Anchorage	306	Social services	Anchorage	arc-anchorage.org
24	100	Association of Village Council Presidents	271	Social services	Bethel	avcp.org
Total Average Monthly Employment			17,674			

Source: Fried, Neal. (2006). Alaska's 100 Largest Private Employers in 2005. Alaska Economic Trends, vol 28(8), pg. 4-13. Rae, Brian. (2007). Personal communication, re: top health care employers (4/2/07). Alaska Department of Labor and Workforce Development, Research and Analysis.

* These firms are found on the list of Alaska's 100 largest private section employers. "Total Rank" refers to order on that list.

(Notes continued on next page)

Table 3.340 (cont.)

Alaska's Largest Private Sector Employers in Health Care and Social Services (HCSS), 2005

** Excludes its 697 federal employees

*** Excludes its 111 federal employee

**** Formerly Nightingale Nursing Services

Notes:

When two or more employers had the same number of employees, they were ranked by unrounded employment.

Firms may have other branch or office locations in addition to the main office or principal place of business listed in the table.

For further information: <http://www.labor.state.ak.us/research/trends/auq06lgstemp.pdf>

Workforce Shortages

Table 3.350
Medically Underserved Areas (MUA) & Populations, 2007

Region	ID#	Type	Score	Designation Date	Update Date
Anchorage-Mat-Su					
Anchorage	105	MUA	61.7	6/3/1982	4/29/1994
Matanuska-Susitna	101	GOV MUP	NA	9/23/1997	
Gulf Coast					
Kenai Peninsula					
<i>Kenai Peninsula Service Area (Exceptional Needs)</i>	5022	GOV MUP	NA	3/26/1999	
Kodiak Island					
<i>Kodiak Island Borough (Low Income)</i>	7248	GOV MUP	NA	7/26/2002	
Valdez-Cordova					
<i>City of Whittier</i>	7174	MUA	50	3/29/2002	
<i>Copper River Census Sub Area</i>	7231	GOV MUP	NA	7/19/2002	
<i>Cordova Service Area</i>	7410	GOV MUP	NA	5/10/2004	
Interior					
Denali					
			Effective as of 1990		
<i>Denali Borough (Low Income)</i>	7259	GOV MUP	NA	7/30/2002	
Fairbanks North Star					
<i>Fairbanks North Star Borough</i>	7143	GOV MUP	NA	9/28/1994	
Southeast Fairbanks					
<i>Southeast Fairbanks Census</i>	7229	GOV MUP	NA	6/28/2002	
Yukon-Koyukuk					
<i>Koyukuk - Middle Yukon</i>	110	MUA	59.9	6/8/1994	
<i>McGrath - Holy Cross Service Area</i>	111	MUA	47.7	6/8/1994	
<i>Yukon Flats Service Area</i>	112	MUA	57	6/8/1994	
Northern					
Kobuk					
Nome					
<i>Nome Census Area</i>	102	MUA	37.2	11/1/1978	
North Slope					
<i>Prudhoe Bay - Kaktovik Service Area</i>	108	MUA	57	6/8/1994	
Northwest Arctic					
			Effective as of 1986		
<i>Northwest Arctic Borough</i>	103	MUA	37.2	11/1/1978	
Southeast					
Haines					
<i>Haines</i>	100	GOV MUP	NA	9/23/97	
Juneau					
			No MUAs in this county*		
Ketchikan Gateway					
			No MUAs in this county*		
Prince of Wales					
			Effective as of 1992		
<i>Prince of Wales - Outer Ketchikan Area</i>	6181	MUA	60.4	2/8/2001	

Table continued on next page

**Table 3.350 (cont.)
Medically Underserved Areas (MUA) & Populations, 2007**

Region	ID#	Type	Score	Designation Date	Update Date
Sitka			No MUAs in this county*		
Skagway-Hoonah-Angoon (Effective as of 1992)	5038	MUA	59.9	5/10/1999	11/3/2006
Wrangell-Petersburg					
<i>Wrangell (Low Income)</i>	7414	GOV MUP	NA	5/10/2004	
Yakutat			Effective as of 1992 – No MUAs in this county*		
Southwest					
Aleutians East			Effective as of 1978		
<i>Aleutians East</i>	98	MUA	61.1	9/23/1997	
Aleutians West			Effective as of 1990		
<i>Aleutians West Service Area</i>	7112	MUA	61.7	11/15/2001	
Bethel					
<i>Bethel Census Area</i>	106	MUA	47.7	6/8/1994	
<i>Lower Kuskokwim</i>	107	MUA	47.7	6/8/1994	
Bristol Bay					
<i>Bristol Bay</i>	99	MUA	60.3	11/1/1978	
Dillingham			Effective as of 1989		
<i>Dillingham Census Area (Low Income)</i>	7228	GOV MUP	NA	6/28/2002	
Lake and Peninsula (effective as of 1992)			Effective as of 1978		
<i>Lake and Peninsula Service Area</i>	7224	MUA	58	6/19/2002	
Wade Hampton					
<i>Wade Hampton Census Area</i>	104	MUA	32.5	11/7/1978	

Source: U.S. Health Resources and Services Administration. (2007). Medically Underserved Areas and Populations Database (accessed 2/17/07).

Note: See Appendix for a complete definition of Medically Underserved Areas.

* The State of Alaska uses "Census Areas" and "Boroughs" for its designation areas since there are no counties.

For further information: <http://muafind.hrsa.gov/index.aspx>

Table 3.360
Health Professional Shortage Areas (HPSA)—Primary Care, Mental Health, and Dental by Region, 2007

Census Area/Borough	Primary Care	Mental Health	Dental Health
Alaska			
Anchorage-Mat-Su			
Anchorage	CHC	CHC	CHC
North Census Tracts	7		
South Census Tracts	4		
East Census Tracts	4		
Matanuska-Susitna	CHC	CHC	CHC
Talkeetna/Trapper Creek	9	CHC	CHC
Gulf Coast			
Kenai Peninsula	CHC	CHC	CHC
Seward		7	
Kodiak Island	CHC	CHC	CHC
Valdez-Cordova	CHC	CHC	CHC
Interior			
Denali	15	7	
Fairbanks North Star	11	CHC	8
Southeast Fairbanks	12		
Yukon-Koyukuk	17	13	20
Northern			
Nome	15	18	CHC
North Slope	13	16	
Northwest Arctic	18	12	CHC
Southeast			
Haines	CHC	CHC	CHC
Juneau	CHC- homeless	CHC	CHC
Ketchikan Gateway			
Prince of Wales	CHC	9	CHC
Sitka	CHC	CHC	CHC
Skagway-Hoonah-Angoon	15	4	16
Wrangell-Petersburg	CHC	10	CHC
Yakutat	7	CHC	6
Southwest			
Aleutians East	18	8	18
Aleutians West	17	7	CHC
Bethel	15	20	CHC
Bristol Bay	CHC	CHC	CHC
Dillingham	CHC	CHC	CHC
Lake and Peninsula		11	11
Wade Hampton	15	13	20

Source: Rarig, Alice. (2007). Personal communication, re: HRSA's HPSA designations (4/25/07). Health Planning and Systems Development, Alaska DHSS. [AND] U.S. Health Resources and Services Administration. (2007). Health Professional Shortage Designations Database.

Note: Numbers are listed if there is a Geographic HPSA; if the only HPSA is a community health center it is listed as such. Although not shown, Alaska Native populations are automatically designated as MUP's.

For further information: <http://hpsafind.hrsa.gov>

Table 3.370
Physician Supply and Shortage in Alaska, 2004

Expected number of practicing Alaska physicians based on national average of 2.38 per 1,000 population	1,565
Actual number of practicing physicians in Alaska (2.05 per 1,000 population)	1,347
Alaska physician shortage based on national averages	218
Percent Alaska physician shortage	14%
Percent Alaska physician shortage outside of Anchorage	16%

Source: American Medical Association (2004). AMA Master File Database, 2004. As reported in: Alaska Physician Supply Task Force. (2006). Securing an Adequate Number of Physicians for Alaska's Needs. Coordinated by Alaska HPSD DHSS. (Fig 1, pg. 13).

For further information:

<http://www.hss.state.ak.us/commissioner/Healthplanning/publications/assets/PSTF-06.pdf>