

## Notes on Selected Tables:

## Table 1.015 - Population, by Race, by Ethnicity and by Census Area (2005)

This data is “bridged” series data, meaning that it is modified from the new multi-race standard used by the Census Bureau in 2000 in order to construct data that matches the format of the 1990 census (and previous census data). This bridged population estimates are calculated and used by the Alaska Department of Labor for multiple reasons including 1) the need to have data that seamlessly connects to historical census data and can thereby be directly compared 2) Many agencies in Alaska including the Alaska Department of Health and Social Services Vital Statistics Division, have not adopted the new multi-race categories for use in their reporting, making it not feasible to use their data for population estimates using the new multi-race standard. For more information on “Bridged Series” population estimates visit <http://146.63.75.50/research/pop/estimates/Alaska1990Race.htm>.

## Table 1.280 - Rural Urban Commuting Areas (RUCA) Scores

Rural-urban commuting area (RUCA) codes classify U.S. census tracts using measures of population density, urbanization, and daily commuting. The most recent RUCA codes are based on data from the 2000 decennial census. The classification contains two levels. Whole numbers (1-10) delineate metropolitan, micropolitan, small town, and rural commuting areas based on the size and direction of the primary (largest) commuting flows. The ten primary RUCA codes are:

- 1 Metropolitan area core: primary flow within an urbanized area (UA)
- 2 Metropolitan area high commuting: primary flow 30 percent or more to a UA
- 3 Metropolitan area low commuting: primary flow 5 percent to 30 percent
- 4 Micropolitan area core: primary flow within an Urban Cluster of 10,000 to 49,999 (large UC)
- 5 Micropolitan high commuting: primary flow 30 percent or more to large UC
- 6 Micropolitan low commuting: primary flow 10 percent to 30 percent to a large UC
- 7 Small town core: primary flow within an Urban Cluster of 2,500 to 9,999 (small UC)
- 8 Small town high commuting: primary flow 30 percent or more to small UC
- 9 Small town low commuting: primary flow 10 percent to 30 percent to a small UC
- 10 Rural areas: primary flow to a tract outside a UA or UC

High commuting (codes 2, 5, and 8) indicate the largest commuting share was at least 30 percent to a metropolitan, micropolitan, or small town core. Many micropolitan and small town cores themselves (and even a few metropolitan cores) have high enough out-commuting to other cores to be coded 2, 5, or 8; typically these areas are not job centers themselves but serve as bedroom communities for a nearby, larger city. Low commuting (codes 3, 6, and 9) refers to cases where the single largest flow is to a core, but is less than 30 percent. The last of the general classification codes (10) identifies rural tracts where the primary flow is local or to another rural tract.

The primary RUCA codes are further subdivided to identify areas where settlement classifications overlap, based on the size and direction of the secondary, or second largest, commuting flow. For example, 1.1 and 2.1 codes identify areas where the primary flow is within or to a metropolitan core, but another 30 percent or more commute to a larger metropolitan core. Similarly, 10.1, 10.2, and 10.3 identify rural tracts for which the primary commuting share is local, but more than 30 percent also commute to a metropolitan, micropolitan, or small town core, respectively.

Primary and secondary codes for Alaska census areas are available online at <http://www.ers.usda.gov/Data/RuralUrbanCommutingAreaCodes/2000/>.

Additional information about interpreting RUCA code scores is available at <http://www.ers.usda.gov/Data/RuralUrbanCommutingAreaCodes/>.

## Table 2.085 - Alaska Hospital Discharge System (AHDS) Participants

Not all hospitals in Alaska participate in the Alaska Hospital Discharge System. The following is a list of participants for the reporting period 2001-2005.

### Alaska Hospital Discharge System Participants

Alaska Native Medical Center
Alaska Regional Hospital
Bartlett Regional Hospital
Central Peninsula General Hospital
Cordova Community Medical Center
Fairbanks Memorial Hospital
Ketchikan General Hospital
Petersburg Medical Center
Providence Alaska Medical Center
Providence Kodiak Island Medical Center
Providence Seward Medical Center
Sitka Community Hospital
South Peninsula Hospital
Providence Valdez Medical Center
Matanuska Susitna Regional Medical Center
Wrangell Medical Center
Elmendorf Air Force Base

## Table 2.580 - Wait List for Developmentally Disabled

The following information is from the Developmental Disabilities (DD) Waiting List Report 1/1/05-6/30/06

Under AS 47.80.130 (d), the Department of Health and Social Services is required to maintain a Registry denoting individuals who experience a developmental disability as defined under AS 47.80.100 - 47.80.170. A centralized database has been developed to more easily determine what services, if any, a person on the Registry is receiving, how services relate to the client's needs as expressed in the client's assessment form, or whether the services requested are needed immediately or may be needed sometime in the future. Therefore cost projections contained in this report should be considered estimates to use in planning and not a computation of the costs of comprehensive services that may be necessary to meet the needs of each person on the list.

The DD Registry presents information regarding people who have been determined eligible for developmental disability services and used to select people for enrollment in services when resources are available. Additionally, the DD Registry assists the Division of Senior and Disability Services in planning for the future needs of people having a developmental disability. At least annually, the Division contacts those on the DD Registry to update personal information about changes in their condition or family circumstances. Eligibility for the Community Developmental Disabilities Grant (CDDG) program is defined under the provisions of AS 47.80.900 (7). The term "developmental disability" means an individual with a severe, chronic disability that:

- Is attributable to a mental or physical impairment or combination of mental and physical impairments;
- Is manifested before the individual attains age 22;
- Is likely to continue indefinitely;
- Results in substantial functional limitations in three or more of the following areas of major life activity:

- Self care;
  - Receptive and expressive language;
  - Learning;
  - Mobility;
  - Self-direction;
  - Capacity for independent living;
  - Economic self-sufficiency, and;
- Reflects the person's need for a combination and sequence of special, interdisciplinary, or generic assistance, supports or other services that are of lifelong or extended duration and are individually planned and coordinated.

## Table 2.590 - Wait List for People with Disabilities

The following information is from the Developmental Disabilities (DD) Waiting List Report 1/1/05-6/30/06

One of the functions of the Registry Assessment is to gather information on the services individuals feel they will need. This data allows the state to project the cost of serving these individuals, and target registry draws. The DD Program has developed an array of residential care ranging from supporting people in their own homes or the homes of their parents, to out of home placements. Most people on the registry request more than one service, although there are some who have not requested specific services.

The annual cost projection represents the Division of Senior and Disabilities Services' best estimate to serve all of the individuals on the registry who indicated a service need(s), with the assumption that they would be served in the Medicaid Waiver program. It is well-documented that not all individuals on the registry are eligible for waiver services. However, the Medicaid Waiver program reimbursement rates provide the most accurate cost data upon which to base budget projections. The average annual costs listed in the table represent an average of the rates for service in FY 2006.

## Table 3.140-Health Care Occupation Descriptions

The following list examines a selection of health care occupations. Occupations are grouped by the amount of time, effort and education required for the occupation. The four categories are; Some Preparation Needed; Medium Preparation Needed; Considerable Preparation Needed, Extensive Preparation Needed. Occupation descriptions, wage information, 2004 employment and growth potential are included.

### Category 1: Some Preparation Needed

Some previous work-related skill, knowledge, or experience may be helpful in these occupations, but usually is not needed. These occupations usually require a high school diploma and may require some vocational training or job-related coursework. In some cases, an associate's or bachelor's degree could be needed. Employees in these occupations need anywhere from a few months to one year of working with experienced employees. These occupations often involve using your knowledge and skills to help others.

#### *Dental Assistants (31-9091)*

Employment growth is robust with very high employment opportunities projected through 2014. Dental Assistants assist dentist, set up patient and equipment, and keep records.

Alaska Average Monthly Wage: \$2,895

National Average Monthly Wage: \$2,498

2004 Employment: 713

Employment growth is robust with moderate employment opportunities projected through 2014.

#### *Emergency Medical Technicians (29-2041)*

Emergency Medical Technicians and Paramedics assess injuries, administer emergency medical care, and extricate trapped individuals. Transport injured or sick persons to medical facilities.

Alaska Average Monthly Wage: \$3,813

National Average Monthly Wage: \$2,370

2004 Employment: 230

Employment growth is robust with very high employment opportunities projected through 2014.

*State Occupational Licensing may be required for this occupation. Information on occupational licensing can be found at the following Web site: <http://www.labor.state.ak.us/research/dlo/dlo.htm>*

#### *Home Health Aides (31-1011)*

Home Health Aides provide routine, personal health care, such as bathing, dressing, or grooming, to elderly, convalescent, or disabled persons in the home of patients or in a residential care facility.

Alaska Average Monthly Wage: \$2,070

National Average Monthly Wage: \$1,618

2004 Employment: 1,603

Employment growth is strong with low employment opportunities projected through 2014.

#### *Medical Laboratory Technicians (29-2012)*

Medical and Clinical Laboratory Technicians perform routine medical laboratory tests for the diagnosis, treatment, and prevention of disease. May work under the supervision of a medical technologist.

Alaska Average Monthly Wage: \$3,588

National Average Monthly Wage: \$2,764

2004 Employment: 169

Employment growth is robust with very high employment opportunities projected through 2014.

### ***Nursing; Assistants (31-1012)***

Nursing Aides, Orderlies, and Attendants provide basic patient care under direction of nursing staff. Perform duties, such as feed, bathe, dress, groom, or move patients, or change linens.

Alaska Average Monthly Wage: \$2,467

National Average Monthly Wage: \$1,850

2004 Employment: 1,853

Employment growth is robust with very high employment opportunities projected through 2014.

*State Occupational Licensing may be required for this occupation. Information on occupational licensing can be found at the following Web site: <http://www.labor.state.ak.us/research/dlo/dlo.htm>*

### ***Pharmacy Technicians (29-2052)***

Pharmacy Technicians prepare medications under the direction of a pharmacist. May measure, mix, count out, label, and record amounts and dosages of medications.

Alaska Average Monthly Wage: \$2,753

National Average Monthly Wage: \$2,113

2004 Employment: 431

Employment growth is robust with moderate employment opportunities projected through 2014.

*State Occupational Licensing may be required for this occupation. Information on occupational licensing can be found at the following Web site: <http://www.labor.state.ak.us/research/dlo/dlo.htm>*

### ***Physical Therapy Assistants (31-2022)***

Physical Therapist Aides under close supervision of a physical therapist or physical therapy assistant, perform only delegated, selected or routine tasks in specific situations. These duties include preparing the patient and the treatment area.

Alaska Average Monthly Wage: \$2,467

National Average Monthly Wage: \$1,908

2004 Employment: Data Not Available

Employment outlook for this occupation is not available.

### ***Psychiatric Aides (31-1013)***

Psychiatric Aides assist mentally impaired or emotionally disturbed patients, working under direction of nursing and medical staff.

Alaska Average Monthly Wage: \$2,852

National Average Monthly Wage: \$1,988

2004 Employment: Data Not Available

Employment outlook for this occupation is not available.

*State Occupational Licensing may be required for this occupation. Information on occupational licensing can be found at the following Web site: <http://www.labor.state.ak.us/research/dlo/dlo.htm>*

### ***Veterinary Assistants (31-9096)***

Veterinary Assistants and Laboratory Animal Caretakers feed, water, and examine pets and other nonfarm animals for signs of illness, disease, or injury in laboratories and animal hospitals and clinics. Clean and disinfect cages and work areas, and sterilize laboratory and surgical equipment. May provide routine post-operative care, administer medication orally or topically, or prepare samples for laboratory examination under the supervision of veterinary or laboratory animal technologists or technicians, veterinarians, or scientists.

Alaska Average Monthly Wage: \$1,886

National Average Monthly Wage: \$1,716

2004 Employment: Data Not Available

Employment outlook for this occupation is not available.

## **Category 2: Medium Preparation Needed**

Previous work-related skill, knowledge, or experience is required for these occupations. Most occupations in this zone require training in vocational schools, related on-the-job experience, or an associate's degree. Some may require a bachelor's degree. Employees in these occupations usually need one or two years of training involving both on-the-job experience and informal training with experienced workers. These occupations usually involve using communication and organizational skills to coordinate, supervise, manage, or train others to accomplish goals.

### ***Alternative Medical Practitioners (29-1199)***

Health Diagnosing and Treating Practitioners includes all other health diagnosing and treating practitioners not listed separately.

Alaska Average Monthly Wage: \$6,945

National Average Monthly Wage: \$7,303

2004 Employment: 123

Employment growth is moderate with low employment opportunities projected through 2014.

*State Occupational Licensing may be required for this occupation. Information on occupational licensing can be found at the following Web site: <http://www.labor.state.ak.us/research/dlo/dlo.htm>*

### ***Cardiovascular Technologists (29-2031)***

Cardiovascular Technologists and Technicians conduct tests on pulmonary or cardiovascular systems of patients for diagnostic purposes. May conduct or assist in electrocardiograms, cardiac catheterizations, pulmonary-functions, lung capacity, and similar tests.

Alaska Average Monthly Wage: \$4,516

National Average Monthly Wage: \$3,465

2004 Employment: Data Not Available

Employment outlook for this occupation is not available.

### ***Dental Hygienists (29-2021)***

Dental Hygienists clean teeth and examine oral areas, head, and neck for signs of oral disease. May educate patients on oral hygiene, take and develop X-rays, or apply fluoride or sealants.

Alaska Average Monthly Wage: \$7,017

National Average Monthly Wage: \$5,052

2004 Employment: Data Not Available

Employment outlook for this occupation is not available.

*State Occupational Licensing may be required for this occupation. Information on occupational licensing can be found at the following Web site: <http://www.labor.state.ak.us/research/dlo/dlo.htm>*

### ***Dietetic Technicians (29-2051)***

Dietetic Technicians assist dietitians in the provision of food service and nutritional programs. Under the supervision of dietitians, may plan and produce meals based on established guidelines, teach principles of food and nutrition, or counsel individuals.

Alaska Average Monthly Wage: \$2,795

National Average Monthly Wage: \$2,115

2004 Employment: Data Not Available

Employment outlook for this occupation is not available.

### *Health Information Technicians (29-2071)*

Medical Records and Health Information Technicians compile, process, and maintain medical records of hospital and clinic patients in a manner consistent with medical, administrative, ethical, legal, and regulatory requirements of the health care system. Process, maintain, compile, and report patient information for health requirements and standards.

Alaska Average Monthly Wage: \$2,607

National Average Monthly Wage: \$2,393

2004 Employment: Data Not Available

Employment outlook for this occupation is not available.

### *Medical Assistants (31-9092)*

Medical Assistants perform administrative and certain clinical duties under the direction of physician. Administrative duties may include scheduling appointments, maintaining medical records, billing, and coding for insurance purposes. Clinical duties may include taking and recording vital signs and medical histories, preparing patients for examination, drawing blood, and administering medications as directed by physician.

Alaska Average Monthly Wage: \$2,612

National Average Monthly Wage: \$2,180

2004 Employment: 547

Employment growth is robust with high employment opportunities projected through 2014.

### *Nuclear Medicine Technologists (29-2033)*

Nuclear Medicine Technologists prepare, administer, and measure radioactive isotopes in therapeutic, diagnostic, and tracer studies utilizing a variety of radioisotope equipment. Prepare stock solutions of radioactive materials and calculate doses to be administered by radiologists. Subject patients to radiation. Execute blood volume, red cell survival, and fat absorption studies following standard laboratory techniques.

Alaska Average Monthly Wage: \$5,924

National Average Monthly Wage: \$5,044

2004 Employment: Data Not Available

Employment outlook for this occupation is not available.

### *Nurses; Licensed Practical (29-2061)*

Licensed Practical and Licensed Vocational Nurses care for ill, injured, convalescent, or disabled persons in hospitals, nursing homes, clinics, private homes, group homes, and similar institutions. May work under the supervision of a registered nurse. Licensing required.

Alaska Average Monthly Wage: \$3,416

National Average Monthly Wage: \$3,018

2004 Employment: 507

Employment growth is moderate with moderate employment opportunities projected through 2014.

*State Occupational Licensing may be required for this occupation. Information on occupational licensing can be found at the following Web site: <http://www.labor.state.ak.us/research/dlo/dlo.htm>*

### *Nurses; Registered (29-1111)*

Registered Nurses assess patient health problems and needs, develop and implement nursing care plans, and maintain medical records. Administer nursing care to ill, injured, convalescent, or disabled patients. May advise patients on health maintenance and disease prevention or provide case management. Licensing or registration required. Includes advance practice nurses such as: nurse practitioners, clinical nurse specialists, certified nurse midwives, and certified registered nurse anesthetists. Advanced practice nursing is practiced by RNs who have specialized formal, post-basic education and who function in highly autonomous and specialized roles.

Alaska Average Monthly Wage: \$5,068  
National Average Monthly Wage: \$4,740  
2004 Employment: 4,902

Employment growth is robust with very high employment opportunities projected through 2014.

*State Occupational Licensing may be required for this occupation. Information on occupational licensing can be found at the following Web site: <http://www.labor.state.ak.us/research/dlo/dlo.htm>*

### **Occupational Therapy Assistants (31-2011)**

Occupational Therapist Assistants assist occupational therapists in providing occupational therapy treatments and procedures. May, in accordance with State laws, assist in development of treatment plans, carry out routine functions, direct activity programs, and document the progress of treatments. Generally requires formal training.

Alaska Average Monthly Wage: \$2,905  
National Average Monthly Wage: \$3,317  
2004 Employment: Data Not Available

Employment outlook for this occupation is not available.

*State Occupational Licensing may be required for this occupation. Information on occupational licensing can be found at the following Web site: <http://www.labor.state.ak.us/research/dlo/dlo.htm>*

### **Opticians (29-2081)**

Opticians dispense design, measure, fit, and adapt lenses and frames for client according to written optical prescription or specification. Assist client with selecting frames. Measure customer for size of eyeglasses and coordinate frames with facial and eye measurements and optical prescription. Prepare work order for optical laboratory containing instructions for grinding and mounting lenses in frames. Verify exactness of finished lens spectacles. Adjust frame and lens position to fit client. May shape or reshape frames.

Alaska Average Monthly Wage: \$3,150  
National Average Monthly Wage: \$2,564  
2004 Employment: Data Not Available

Employment outlook for this occupation is not available.

*State Occupational Licensing may be required for this occupation. Information on occupational licensing can be found at the following Web site: <http://www.labor.state.ak.us/research/dlo/dlo.htm>*

### **Radiation Therapists (29-1124)**

Radiation Therapists provide radiation therapy to patients as prescribed by a radiologist according to established practices and standards. Duties may include reviewing prescription and diagnosis; acting as liaison with physician and supportive care personnel; preparing equipment, such as immobilization, treatment, and protection devices; and maintaining records, reports, and files. May assist in dosimetry procedures and tumor localization.

Alaska Average Monthly Wage: Data Not Available  
National Average Monthly Wage: \$5,302  
2004 Employment: Data Not Available

Employment outlook for this occupation is not available.

### **Radiologic Technologists (29-2034)**

Radiologic Technologists and Technicians take X-rays and CT scans or administer nonradioactive materials into patient's blood stream for diagnostic purposes. Includes technologists who specialize in other modalities, such as computed tomography and magnetic resonance. Includes workers whose primary duties are to demonstrate portions of the human body on X-ray film or fluoroscopic screen.

Alaska Average Monthly Wage: \$4,717  
National Average Monthly Wage: \$3,918  
2004 Employment: 328

Employment growth is robust with moderate employment opportunities projected through 2014.

### *Respiratory Therapists (29-1126)*

Respiratory Therapists assess, treat, and care for patients with breathing disorders. Assume primary responsibility for all respiratory care modalities, including the supervision of respiratory therapy technicians. Initiate and conduct therapeutic procedures; maintain patient records; and select, assemble, check, and operate equipment.

Alaska Average Monthly Wage: \$4,473

National Average Monthly Wage: \$3,856

2004 Employment: 180

Employment growth is robust with moderate employment opportunities projected through 2014.

### *Surgical Technologists (29-2055)*

Surgical Technologists assist in operations, under the supervision of surgeons, registered nurses, or other surgical personnel. May help set up operating room, prepare and transport patients for surgery, adjust lights and equipment, pass instruments and other supplies to surgeons and surgeon's assistants, hold retractors, cut sutures, and help count sponges, needles, supplies, and instruments.

Alaska Average Monthly Wage: Data Not Available

National Average Monthly Wage: \$2,993

2004 Employment: Data Not Available

Employment outlook for this occupation is not available.

## **Category 3: Considerable Preparation Needed**

A minimum of two to four years of work-related skill, knowledge, or experience is needed for these occupations. Most of these occupations require a four - year bachelor's degree, but some do not. Employees in these occupations usually need several years of work-related experience, on-the-job training, and/or vocational training. Many of these occupations involve coordinating, supervising, managing, or training others.

### *Occupational Therapists (29-1122)*

Occupational Therapists assess, plan, organize, and participate in rehabilitative programs that help restore vocational, homemaking, and daily living skills, as well as general independence, to disabled persons.

Alaska Average Monthly Wage: \$5,042

National Average Monthly Wage: \$4,925

2004 Employment: 215

Employment growth is strong with low employment opportunities projected through 2014.

*State Occupational Licensing may be required for this occupation. Information on occupational licensing can be found at the following Web site: <http://www.labor.state.ak.us/research/dlo/dlo.htm>*

### *Physician Assistants (29-1071)*

Physician Assistants provide health care services typically performed by a physician, under the supervision of a physician. Conduct complete physicals, provide treatment, and counsel patients. May, in some cases, prescribe medication. Must graduate from an accredited educational program for physician assistants.

Alaska Average Monthly Wage: \$7,290

National Average Monthly Wage: \$5,923

2004 Employment: 194

Employment growth is robust with low employment opportunities projected through 2014.

*State Occupational Licensing may be required for this occupation. Information on occupational licensing can be found at the following Web site: <http://www.labor.state.ak.us/research/dlo/dlo.htm>*

### *Recreational Therapists (29-1125)*

Recreational Therapists plan, direct, or coordinate medically-approved recreation programs for patients in hospitals, nursing homes, or other institutions. Activities include sports, trips, dramatics, social activities, and arts and crafts. May assess a patient condition and recommend appropriate recreational activity.

Alaska Average Monthly Wage: \$2,174

National Average Monthly Wage: \$2,929

2004 Employment: 135

Employment growth is strong with low employment opportunities projected through 2014.

### **Category 4: Extensive Preparation Needed**

Extensive skill, knowledge, and experience are needed for these occupations. Many require more than five years of experience. A bachelor's degree is the minimum formal education required for these occupations. However, many also require graduate school. Employees may need some on-the-job training, but most of these occupations assume that the person will already have the required skills, knowledge, work-related experience, and/or training. These occupations often involve coordinating, training, supervising, or managing the activities of others to accomplish goals. Very advanced communication and organizational skills are required.

### *Anesthesiologists (29-1061)*

Anesthesiologists administer anesthetics during surgery or other medical procedures.

Alaska Average Monthly Wage: \$14,819

National Average Monthly Wage: \$14,520

2004 Employment: Data Not Available

Employment outlook for this occupation is not available.

*State Occupational Licensing may be required for this occupation. Information on occupational licensing can be found at the following Web site: <http://www.labor.state.ak.us/research/dlo/dlo.htm>*

### *Audiologists (29-1121)*

Audiologists assess and treat persons with hearing and related disorders. May fit hearing aids and provide auditory training. May perform research related to hearing problems.

Alaska Average Monthly Wage: \$6,594

National Average Monthly Wage: \$4,805

2004 Employment: Data Not Available

Employment outlook for this occupation is not available.

*State Occupational Licensing may be required for this occupation. Information on occupational licensing can be found at the following Web site: <http://www.labor.state.ak.us/research/dlo/dlo.htm>*

### *Chiropractors (29-1011)*

Chiropractors adjust spinal column and other articulations of the body to correct abnormalities of the human body believed to be caused by interference with the nervous system. Examine patient to determine nature and extent of disorder. Manipulate spine or other involved area. May utilize supplementary measures, such as exercise, rest, water, light, heat, and nutritional therapy.

Alaska Average Monthly Wage: \$10,928

National Average Monthly Wage: \$6,838

2004 Employment: Data Not Available

Employment outlook for this occupation is not available.

*State Occupational Licensing may be required for this occupation. Information on occupational licensing can be found at the following Web site: <http://www.labor.state.ak.us/research/dlo/dlo.htm>*

### *Dentists; General (29-1021)*

Dentists, General diagnose and treat diseases, injuries, and malformations of teeth and gums and related oral structures. May treat diseases of nerve, pulp, and other dental tissues affecting vitality of teeth.

Alaska Average Monthly Wage: Data Not Available

National Average Monthly Wage: \$11,140

2004 Employment: Data Not Available

Employment outlook for this occupation is not available.

*State Occupational Licensing may be required for this occupation. Information on occupational licensing can be found at the following Web site: <http://www.labor.state.ak.us/research/dlo/dlo.htm>*

### *Dentists; Oral and Maxillofacial Surgeons (29-1022)*

Oral and Maxillofacial Surgeons perform surgery on mouth, jaws, and related head and neck structure to execute difficult and multiple extractions of teeth, to remove tumors and other abnormal growths, to correct abnormal jaw relations by mandibular or maxillary revision, to prepare mouth for insertion of dental prosthesis, or to treat fractured jaws.

Alaska Average Monthly Wage: \$13,512

National Average Monthly Wage: \$13,388

2004 Employment: Data Not Available

Employment outlook for this occupation is not available.

*State Occupational Licensing may be required for this occupation. Information on occupational licensing can be found at the following Web site: <http://www.labor.state.ak.us/research/dlo/dlo.htm>*

### *Dentists; Orthodontists (29-1023)*

Orthodontists examine, diagnose, and treat dental malocclusions and oral cavity anomalies. Design and fabricate appliances to realign teeth and jaws to produce and maintain normal function and to improve appearance.

Alaska Average Monthly Wage: \$13,304

National Average Monthly Wage: \$13,618

2004 Employment: Data Not Available

Employment outlook for this occupation is not available.

*State Occupational Licensing may be required for this occupation. Information on occupational licensing can be found at the following Web site: <http://www.labor.state.ak.us/research/dlo/dlo.htm>*

### *Dietitians (29-1031)*

Dietitians and Nutritionists plan and conduct food service or nutritional programs to assist in the promotion of health and control of disease. May supervise activities of a department providing quantity food services, counsel individuals, or conduct nutritional research.

Alaska Average Monthly Wage: \$4,458

National Average Monthly Wage: \$3,829

2004 Employment: Data Not Available

Employment outlook for this occupation is not available.

*State Occupational Licensing may be required for this occupation. Information on occupational licensing can be found at the following Web site: <http://www.labor.state.ak.us/research/dlo/dlo.htm>*

### *Occupational Health and Safety Specialists (29-9011)*

Occupational Health and Safety Specialists review, evaluate, and analyze work environments and design programs and procedures to control, eliminate, and prevent disease or injury caused by chemical, physical, and biological agents or ergonomic factors. May conduct inspections and enforce adherence to laws and regulations governing the health and safety of individuals. May be employed in the public or private sector.

Alaska Average Monthly Wage: \$6,279

National Average Monthly Wage: \$4,650

2004 Employment: 206

Employment growth is moderate with low employment opportunities projected through 2014.

### *Optometrists (29-1041)*

Optometrists diagnose, manage, and treat conditions and diseases of the human eye and visual system. Examine eyes and visual system, diagnose problems or impairments, prescribe corrective lenses, and provide treatment. May prescribe therapeutic drugs to treat specific eye conditions.

Alaska Average Monthly Wage: \$12,333

National Average Monthly Wage: \$7,958

2004 Employment: 101

Employment growth is low with low employment opportunities projected through 2014.

*State Occupational Licensing may be required for this occupation. Information on occupational licensing can be found at the following Web site: <http://www.labor.state.ak.us/research/dlo/dlo.htm>*

### *Pharmacists (29-1051)*

Pharmacists compound and dispense medications following prescriptions issued by physicians, dentists, or other authorized medical practitioners.

Alaska Average Monthly Wage: \$8,138

National Average Monthly Wage: \$7,388

2004 Employment: 363

Employment growth is robust with moderate employment opportunities projected through 2014.

*State Occupational Licensing may be required for this occupation. Information on occupational licensing can be found at the following Web site: <http://www.labor.state.ak.us/research/dlo/dlo.htm>*

### *Physical Therapists (29-1123)*

Physical Therapists assess, plan, organize, and participate in rehabilitative programs that improve mobility, relieve pain, increase strength, and decrease or prevent deformity of patients suffering from disease or injury.

Alaska Average Monthly Wage: \$6,030

National Average Monthly Wage: \$5,446

2004 Employment: 309

Employment growth is robust with moderate employment opportunities projected through 2014.

*State Occupational Licensing may be required for this occupation. Information on occupational licensing can be found at the following Web site: <http://www.labor.state.ak.us/research/dlo/dlo.htm>*

### *Physicians; Family and General Practitioners (29-1062)*

Family and General Practitioners diagnose, treat, and help prevent diseases and injuries that commonly occur in the general population.

Alaska Average Monthly Wage: \$12,947

National Average Monthly Wage: \$11,698

2004 Employment: Data Not Available

Employment outlook for this occupation is not available.

*State Occupational Licensing may be required for this occupation. Information on occupational licensing can be found at the following Web site: <http://www.labor.state.ak.us/research/dlo/dlo.htm>*

### *Physicians; Internists, General (29-1063)*

Internists, General diagnose and provide non-surgical treatment of diseases and injuries of internal organ systems. Provide care mainly for adults who have a wide range of problems associated with the internal organs.

Alaska Average Monthly Wage: \$14,003

National Average Monthly Wage: \$13,046

2004 Employment: Data Not Available

Employment outlook for this occupation is not available.

*State Occupational Licensing may be required for this occupation. Information on occupational licensing can be found at the following Web site: <http://www.labor.state.ak.us/research/dlo/dlo.htm>*

### *Physicians; Obstetricians and Gynecologists (29-1064)*

Obstetricians and Gynecologists diagnose, treat, and help prevent diseases of women, especially those affecting the reproductive system and the process of childbirth.

Alaska Average Monthly Wage: \$14,650

National Average Monthly Wage: \$14,318

2004 Employment: Data Not Available

Employment outlook for this occupation is not available.

*State Occupational Licensing may be required for this occupation. Information on occupational licensing can be found at the following Web site: <http://www.labor.state.ak.us/research/dlo/dlo.htm>*

### *Physicians; Pediatricians (29-1065)*

Pediatricians, General diagnose, treat, and help prevent children's diseases and injuries.

Alaska Average Monthly Wage: \$13,724

National Average Monthly Wage: \$11,603

2004 Employment: Data Not Available

Employment outlook for this occupation is not available.

*State Occupational Licensing may be required for this occupation. Information on occupational licensing can be found at the following Web site: <http://www.labor.state.ak.us/research/dlo/dlo.htm>*

### *Podiatrists (29-1081)*

Podiatrists diagnose and treat diseases and deformities of the human foot.

Alaska Average Monthly Wage: Data Not Available

National Average Monthly Wage: \$9,271

2004 Employment: Data Not Available

Employment outlook for this occupation is not available.

*State Occupational Licensing may be required for this occupation. Information on occupational licensing can be found at the following Web site: <http://www.labor.state.ak.us/research/dlo/dlo.htm>*

### **Psychiatrists (29-1066)**

Psychiatrists diagnose, treat, and help prevent disorders of the mind.

Alaska Average Monthly Wage: Data Not Available

National Average Monthly Wage: \$12,179

2004 Employment: Data Not Available

Employment outlook for this occupation is not available.

*State Occupational Licensing may be required for this occupation. Information on occupational licensing can be found at the following Web site: <http://www.labor.state.ak.us/research/dlo/dlo.htm>*

### **Speech Pathologists (29-1127)**

Speech-Language Pathologists assess and treat persons with speech, language, voice, and fluency disorders. May select alternative communication systems and teach their use. May perform research related to speech and language problems.

Alaska Average Monthly Wage: \$5,363

National Average Monthly Wage: \$4,833

2004 Employment: 269

Employment growth is low with low employment opportunities projected through 2014.

*State Occupational Licensing may be required for this occupation. Information on occupational licensing can be found at the following Web site: <http://www.labor.state.ak.us/research/dlo/dlo.htm>*

### **Surgeons (29-1067)**

Surgeons treat diseases, injuries, and deformities by invasive methods, such as manual manipulation or by using instruments and appliances.

Alaska Average Monthly Wage: Data Not Available

National Average Monthly Wage: \$14,808

2004 Employment: Data Not Available

Employment outlook for this occupation is not available.

*State Occupational Licensing may be required for this occupation. Information on occupational licensing can be found at the following Web site: <http://www.labor.state.ak.us/research/dlo/dlo.htm>*

### **Veterinarians (29-1131)**

Veterinarians diagnose and treat diseases and dysfunctions of animals. May engage in a particular function, such as research and development, consultation, administration, technical writing, sale or production of commercial products, or rendering of technical services to commercial firms or other organizations. Includes veterinarians who inspect livestock.

Alaska Average Monthly Wage: \$7,548

National Average Monthly Wage: \$6,476

2004 Employment: 128

Employment growth is strong with low employment opportunities projected through 2014.

*State Occupational Licensing may be required for this occupation. Information on occupational licensing can be found at the following Web site: <http://www.labor.state.ak.us/research/dlo/dlo.htm>*

Source: Occupational Table 2006-2007 Prepared by: Brian Rae, Economist and Kathleen Ermatinger, Research Analyst.

The complete table can be accessed at: <http://www.labor.state.ak.us/research/occtbl/occtbl.pdf>

## Table 3.350 - Medically Underserved Areas and Populations

Medically Underserved Areas (MUA) and Medically Underserved Populations (MUP) have shortages of primary medical care providers and may be geographic (a county or service area), demographic (low income, Medicaid-eligible populations, cultural and/or linguistic access barriers to primary medical care services). They are each assigned an Index of Medical Underservice (IMU) score, which is used to determine the eligibility of an area or population for MUA/MUP status.

Applied to the Medically Underserved Areas, the IMU scale is from 0 to 100, where 0 represents completely underserved and 100 represents best served or least underserved. Under the established criteria, each service area found to have an IMU of 62.0 or less qualifies for designation as an MUA.

The IMU involves four variables - ratio of primary medical care physicians per 1,000 population, infant mortality rate, percentage of the population with incomes below the poverty level, and percentage of the population age 65 or over. The value of each of these variables for the service area is converted to a weighted value, according to established criteria. The four values are summed to obtain the area's IMU score.

To determine a Medically Underserved Populations designation, the IMU scale is applied to data on an underserved population group within an area of residence to obtain a score for the population group. Population groups requested for MUP designation should be those with economic barriers (low-income or Medicaid-eligible populations), or cultural and/or linguistic access barriers to primary medical care services. For further information concerning MUA and MUP designations and the IMU scale visit: <http://bhpr.hrsa.gov/shortage/muaguide.htm>

## Table 4.160 - Primary Health Care Services - A Definition and Overview

Primary care is the provision of professional, comprehensive health services that include health education and disease prevention, initial assessment of health problems, treatment of acute and chronic health problems, and the overall management of an individual's or family's health care services. It entails first-contact care of persons with undifferentiated illnesses, comprehensive care that is not disease or organ specific, care that is longitudinal in nature and care that includes the coordination of other health services:

### Services included in primary care:

- Health services related to family medicine, internal medicine, pediatrics, obstetrics, or gynecology provided by physicians, physician assistants, nurse practitioners, nurse midwives, and health aides.
- Diagnostic laboratory and radiological services.
- Preventive services including, but not limited to:
  - prenatal and postpartum services
  - screening for breast, cervical, prostate and other types of cancer
  - well-child services
  - immunizations
  - screenings for communicable diseases, environmental contaminants, and chronic health conditions
  - pediatric eye, ear, and dental screenings to determine the need for vision and hearing correction and dental care
  - voluntary family planning services, and preventive dental services (provided by dentist, dental hygienist, or dental therapist)
- Emergency medical services
- Pharmaceutical services
- Referrals to providers of health related services including specialty, dental/oral health, substance abuse and mental health services
- Patient case management services including counseling, referral, and follow-up services
- Patient education regarding health conditions and the availability and use of health services.

Source: Alaska Primary Care Council (2007)

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