

Career Pathways Core Business Group Healthcare Practitioner & Technical Occupations

All industries are made up of three groups of people:

- The **core business group**, which produce the goods or provide the services
- The **business operations group**, which is charged with advertising, marketing, budgeting and sales
- The **administration & support** group, which performs tasks that support the core and business operations groups

Employment by Occupational Grouping, Colorado Central Planning Region					
SOC	Description	2015 Jobs	2020 Jobs	Change	Percent Change
29-1000	Health Diagnosing and Treating Practitioners	62,411	70,322	7,911	12.7%
29-2000	Health Technologists and Technicians	28,836	33,110	4,274	14.8%
29-9000	Other Healthcare Practitioners and Technical Occupations	1,821	2,061	240	13.2%

Source: EMSI 2015.3 QCEW, Non-QCEW & Self-Employed Class of Worker

Though many occupations in the healthcare practitioner & technical grouping require a bachelor's degree or above, the occupational family offers a variety of career opportunities for those without advanced education. Over 50% of people employed in this occupational family typically start out with less than a four-year degree. The table below reflects this

Educational Attainment, Healthcare Practitioners & Technical Occupations		
Educational Attainment Level	Number Jobs	Percent
Doctoral or professional	19,408	20.3%
Masters	9,006	9.4%
Bachelors	19,141	20.0%
Associate	31,739	33.2%
Postsecondary non-degree awards	10,200	10.7%
High school diploma or equivalent	6,132	6.4%
Total	95,626	100.0%

Source: EMSI 2016.1 QCEW, Non-QCEW & Self-Employed Class of Worker

The occupational table reflects 32,710 registered nurses, and says the typical entry level educational attainment is an associate's degree. However, the hospital systems in the region have opted to become 'magnets,' which means that by 2020, 80% of the registered nurses working in them must be at the bachelor's level. This chart has been adjusted to reflect this new requirement. If the reader is considering nursing as a career path, s/he should be mindful that most nurses in nursing centers and residential facilities, as well as ambulatory care settings can still start out at the associate level.

Healthcare practitioners and technicians make up just over 5% of total employment in the region. Most of these occupations are found in the healthcare sector, but small numbers can also be found in the other key industry sectors in the region. For instance, the finance and insurance sector employs limited numbers of nurses and medical records and health information technicians.

**Arapahoe County
Centennial Workforce Center**
6964 S. Lima Street
Centennial, Colorado 80112
Phone: 303.636.1160
Fax: 303.636.1250

**Arapahoe County
Aurora Workforce Center**
15400 E. 14th Place
Aurora, Colorado 80011
Phone: 303.636.2013
Fax: 303.636.2020

www.adworks.org

Healthcare Practitioner Occupations, Denver-Aurora-Lakewood MSA, Boulder & Larimer Counties						
SOC	Description	2016 Jobs	2020 Jobs	2016 - 2020 Change	2016 - 2020 % Change	Typical Entry Level Education
29-1011	Chiropractors	1,060	1,173	113	11%	Doctoral or professional degree
29-1021	Dentists, General	1,775	1,872	97	5%	Doctoral or professional degree
29-1022	Oral and Maxillofacial Surgeons	74	78	4	5%	Doctoral or professional degree
29-1023	Orthodontists	80	85	5	6%	Doctoral or professional degree
29-1024	Prosthodontists	<10	<10	Insf. Data	Insf. Data	Doctoral or professional degree
29-1029	Dentists, All Other Specialists	62	64	2	3%	Doctoral or professional degree
29-1031	Dietitians and Nutritionists	843	952	109	13%	Bachelor's degree
29-1041	Optometrists	614	641	27	4%	Doctoral or professional degree
29-1051	Pharmacists	3,833	4,117	284	7%	Doctoral or professional degree
29-1061	Anesthesiologists	185	201	16	9%	Doctoral or professional degree
29-1062	Family and General Practitioners	1,918	1,990	72	4%	Doctoral or professional degree
29-1063	Internists, General	493	515	22	4%	Doctoral or professional degree
29-1064	Obstetricians and Gynecologists	303	311	8	3%	Doctoral or professional degree
29-1065	Pediatricians, General	257	269	12	5%	Doctoral or professional degree
29-1066	Psychiatrists	318	344	26	8%	Doctoral or professional degree
29-1067	Surgeons	735	774	39	5%	Doctoral or professional degree
29-1069	Physicians and Surgeons, All Other	2,227	2,411	184	8%	Doctoral or professional degree
29-1071	Physician Assistants	1,636	1,826	190	12%	Master's degree
29-1081	Podiatrists	235	297	62	26%	Doctoral or professional degree
29-1122	Occupational Therapists	2,151	2,381	230	11%	Master's degree
29-1123	Physical Therapists	3,436	3,868	432	13%	Doctoral or professional degree
29-1124	Radiation Therapists	205	228	23	11%	Associate's degree
29-1125	Recreational Therapists	154	171	17	11%	Bachelor's degree
29-1126	Respiratory Therapists	1,277	1,436	159	12%	Associate's degree
29-1127	Speech-Language Pathologists	2,262	2,478	216	10%	Master's degree
29-1128	Exercise Physiologists	222	231	9	4%	Bachelor's degree
29-1129	Therapists, All Other	349	389	40	11%	Bachelor's degree
29-1131	Veterinarians	1,549	1,694	145	9%	Doctoral or professional degree
29-1141	Registered Nurses	32,710	35,768	3,058	9%	Associate's degree
29-1151	Nurse Anesthetists	97	130	33	34%	Master's degree
29-1161	Nurse Midwives	112	125	13	12%	Master's degree
29-1171	Nurse Practitioners	1,584	1,790	206	13%	Master's degree
29-1181	Audiologists	247	276	29	12%	Doctoral or professional degree
29-1199	Health Diagnosing and Treating Practitioners, All Other	1,045	1,175	130	12%	Master's degree

Source: EMSI 2016.1 QCEW, Non-QCEW & Self-Employed Class of Worker

Healthcare Technicians & Technologists, Denver-Aurora-Lakewood MSA, Boulder & Larimer Counties						
SOC	Description	2016 Jobs	2020 Jobs	2016 - 2020 Change	2016 - 2020 % Change	Typical Entry Level Education
29-2011	Medical and Clinical Laboratory Technologists	2,015	2,171	156	8%	Bachelor's degree
29-2012	Medical and Clinical Laboratory Technicians	1,517	1,747	230	15%	Associate's degree
29-2021	Dental Hygienists	3,196	3,548	352	11%	Associate's degree
29-2031	Cardiovascular Technologists and Technicians	472	536	64	14%	Associate's degree
29-2032	Diagnostic Medical Sonographers	664	773	109	16%	Associate's degree
29-2033	Nuclear Medicine Technologists	230	249	19	8%	Associate's degree
29-2034	Radiologic Technologists	2,161	2,361	200	9%	Associate's degree
29-2035	Magnetic Resonance Imaging Technologists	370	406	36	10%	Associate's degree
29-2041	Emergency Medical Technicians and Paramedics	2,059	2,156	97	5%	Postsecondary non-degree award
29-2051	Dietetic Technicians	316	349	33	10%	Associate's degree
29-2052	Pharmacy Technicians	3,138	3,450	312	10%	High school diploma or equivalent
29-2053	Psychiatric Technicians	545	599	54	10%	Postsecondary non-degree award
29-2054	Respiratory Therapy Technicians	44	51	7	16%	Associate's degree
29-2055	Surgical Technologists	1,218	1,364	146	12%	Postsecondary non-degree award
29-2056	Veterinary Technologists and Technicians	2,446	2,726	280	11%	Associate's degree
29-2057	Ophthalmic Medical Technicians	538	581	43	8%	Postsecondary non-degree award
29-2061	Licensed Practical and Licensed Vocational Nurses	4,105	4,734	629	15%	Postsecondary non-degree award
29-2071	Medical Records and Health Information Technicians	1,734	1,935	201	12%	Postsecondary non-degree award
29-2081	Opticians, Dispensing	980	1,071	91	9%	High school diploma or equivalent
29-2091	Orthotists and Prosthetists	85	106	21	25%	Master's degree
29-2092	Hearing Aid Specialists	41	48	7	17%	High school diploma or equivalent
29-2099	Health Technologists and Technicians, All Other	1,824	2,015	191	10%	High school diploma or equivalent

Source: EMSI 2016.1 QCEW, Non-QCEW & Self-Employed Class of Worker

Other Healthcare Practitioner and Technicians, Denver-Aurora-Lakewood MSA, Boulder & Larimer Counties						
SOC	Description	2016 Jobs	2020 Jobs	2016 - 2020 Change	2016 - 2020 % Change	Typical Entry Level Education
29-9011	Occupational Health and Safety Specialists	1,036	1,119	83	8%	Bachelor's degree
29-9012	Occupational Health and Safety Technicians	150	168	18	12%	High school diploma or equivalent
29-9091	Athletic Trainers	247	276	29	12%	Bachelor's degree
29-9092	Genetic Counselors	34	39	5	15%	Master's degree
29-9099	Healthcare Practitioners and Technical Workers, All Other	404	452	48	12%	Bachelor's degree
	Totals	95,626	105,095	9,469	10%	

Source: EMSI 2016.1 QCEW, Non-QCEW & Self-Employed Class of Worker

Healthcare occupations are in robust demand throughout the region, and employment in these occupations is expected to grow 10% over the next five years.

How can I learn more about healthcare professional & technical career pathways?

Use the table below to access information on job descriptions, local wage information, training programs, credentials and apprenticeship opportunities. Simply click on each link for the information you need.

Occupation Information	Local Wage	Job Postings	Training Opportunities	Credentials	Apprenticeship Opportunities
Chiropractors	Wage	Jobs	Training	Credential	Apprenticeship
Dentists, General	Wage	Jobs	Training	Credential	Apprenticeship
Oral and Maxillofacial Surgeons	Wage	Jobs	Training	Credential	Apprenticeship
Orthodontists	Wage	Jobs	Training	Credential	Apprenticeship
Prosthodontists	Wage	Jobs	Training	Credential	Apprenticeship
Dentists, All Other Specialists	Wage	Jobs	Training	Credential	Apprenticeship
Dietitians and Nutritionists	Wage	Jobs	Training	Credential	Apprenticeship
Optometrists	Wage	Jobs	Training	Credential	Apprenticeship
Pharmacists	Wage	Jobs	Training	Credential	Apprenticeship
Anesthesiologists	Wage	Jobs	Training	Credential	Apprenticeship
Family and General Practitioners	Wage	Jobs	Training	Credential	Apprenticeship
Internists, General	Wage	Jobs	Training	Credential	Apprenticeship
Obstetricians and Gynecologists	Wage	Jobs	Training	Credential	Apprenticeship
Pediatricians, General	Wage	Jobs	Training	Credential	Apprenticeship
Psychiatrists	Wage	Jobs	Training	Credential	Apprenticeship
Surgeons	Wage	Jobs	Training	Credential	Apprenticeship
Physicians and Surgeons, All Other	Wage	Jobs	Training	Credential	Apprenticeship
Physician Assistants	Wage	Jobs	Training	Credential	Apprenticeship
Podiatrists	Wage	Jobs	Training	Credential	Apprenticeship
Occupational Therapists	Wage	Jobs	Training	Credential	Apprenticeship
Physical Therapists	Wage	Jobs	Training	Credential	Apprenticeship
Radiation Therapists	Wage	Jobs	Training	Credential	Apprenticeship
Recreational Therapists	Wage	Jobs	Training	Credential	Apprenticeship
Respiratory Therapists	Wage	Jobs	Training	Credential	Apprenticeship
Speech-Language Pathologists	Wage	Jobs	Training	Credential	Apprenticeship
Exercise Physiologists	Wage	Jobs	Training	Credential	Apprenticeship
Therapists, All Other	Wage	Jobs	Training	Credential	Apprenticeship
Veterinarians	Wage	Jobs	Training	Credential	Apprenticeship
Registered Nurses	Wage	Jobs	Training	Credential	Apprenticeship
Nurse Anesthetists	Wage	Jobs	Training	Credential	Apprenticeship
Nurse Midwives	Wage	Jobs	Training	Credential	Apprenticeship
Nurse Practitioners	Wage	Jobs	Training	Credential	Apprenticeship
Audiologists	Wage	Jobs	Training	Credential	Apprenticeship
Health Diagnosing and Treating Practitioners, All Other	Wage	Jobs	Training	Credential	Apprenticeship
Medical and Clinical Laboratory Technologists	Wage	Jobs	Training	Credential	Apprenticeship
Medical and Clinical Laboratory Technicians	Wage	Jobs	Training	Credential	Apprenticeship

Occupation Information	Local Wage	Job Postings	Training Opportunities	Credentials	Apprenticeship Opportunities
Dental Hygienists	Wage	Jobs	Training	Credential	Apprenticeship
Cardiovascular Technologists and Technicians	Wage	Jobs	Training	Credential	Apprenticeship
Diagnostic Medical Sonographers	Wage	Jobs	Training	Credential	Apprenticeship
Nuclear Medicine Technologists	Wage	Jobs	Training	Credential	Apprenticeship
Radiologic Technologists	Wage	Jobs	Training	Credential	Apprenticeship
Magnetic Resonance Imaging Technologists	Wage	Jobs	Training	Credential	Apprenticeship
Emergency Medical Technicians and Paramedics	Wage	Jobs	Training	Credential	Apprenticeship
Dietetic Technicians	Wage	Jobs	Training	Credential	Apprenticeship
Pharmacy Technicians	Wage	Jobs	Training	Credential	Apprenticeship
Psychiatric Technicians	Wage	Jobs	Training	Credential	Apprenticeship
Respiratory Therapy Technicians	Wage	Jobs	Training	Credential	Apprenticeship
Surgical Technologists	Wage	Jobs	Training	Credential	Apprenticeship
Veterinary Technologists and Technicians	Wage	Jobs	Training	Credential	Apprenticeship
Ophthalmic Medical Technicians	Wage	Jobs	Training	Credential	Apprenticeship
Licensed Practical and Licensed Vocational Nurses	Wage	Jobs	Training	Credential	Apprenticeship
Medical Records and Health Information Technicians	Wage	Jobs	Training	Credential	Apprenticeship
Opticians, Dispensing	Wage	Jobs	Training	Credential	Apprenticeship
Orthotists and Prosthetists	Wage	Jobs	Training	Credential	Apprenticeship
Hearing Aid Specialists	Wage	Jobs	Training	Credential	Apprenticeship
Health Technologists and Technicians, All Other	Wage	Jobs	Training	Credential	Apprenticeship
Occupational Health and Safety Specialists	Wage	Jobs	Training	Credential	Apprenticeship
Occupational Health and Safety Technicians	Wage	Jobs	Training	Credential	Apprenticeship
Athletic Trainers	Wage	Jobs	Training	Credential	Apprenticeship
Genetic Counselors	Wage	Jobs	Training	Credential	Apprenticeship
Healthcare Practitioners and Technical Workers, All Other	Wage	Jobs	Training	Credential	Apprenticeship