SOUTH DAKOTA DEPARTMENT OF HEALTH

2018

Healthcare Workforce Report

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Background

Recognizing the importance of a highly trained and available healthcare workforce, the South Dakota Department of Health established the Healthcare Workforce Center to help address the healthcare workforce needs of the State. The purpose of the Center is to function as a clearinghouse for healthcare workforce-related data and information. The Center is also designed to develop and implement programs and projects that assist individuals, agencies and facilities in their efforts to ensure a competent and qualified healthcare workforce to meet the health needs of all South Dakota residents.

Based on population and employment statistics, projections indicate that thousands of healthcare workers will be needed in the healthcare industry in the next decade. This profile of healthcare professions serves as an aid in planning for the healthcare workforce needs in the future. The report draws upon labor statistics, educational preparation data, and current health professions' licensing registries. The report profiles the healthcare workforce projected needs in the future and workforce distribution by geography, age, and profession. The report is designed to be used by policy-makers in the development and coordination of healthcare education and recruitment programs to meet the healthcare workforce needs of the future.

For more information contact the Healthcare Workforce Center at the Department of Health at (605) 773-3361.

Employment in South Dakota's Healthcare Industry

South Dakota's healthcare industry has experienced substantial and steady growth since 1972 when record keeping began. Growth of the healthcare industry is projected to continue for the foreseeable future and is projected to be one of South Dakota's largest growth industries over the next decade. The industry's demand for workers is driven in part by:

- an aging patient population;
- an expanding general population;
- technological advances in the workplace requiring additional staff;
- a growing emphasis on disease management; and
- an aging healthcare workforce who must be replaced as they retire.

The number of workers (covered by unemployment insurance) in South Dakota's healthcare industry increased by 96.1 percent from 1990 to 2017, as shown in Figure 1 below.

Figure 1: Growth in Number of Healthcare Covered Workers from 1990 to 2017
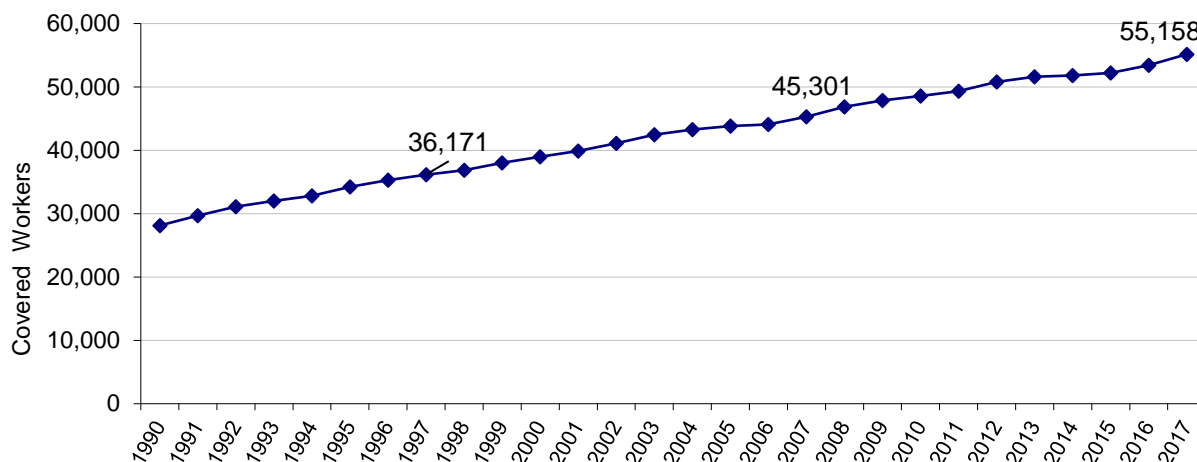
Source: Labor Market Information Center, South Dakota Department of Labor and Regulation [Covered workers includes Ambulatory Health Care Services, Hospitals and Nursing/Residential Care Facilities]

Healthcare occupations that provide direct health care services are among the fastest growing professions in South Dakota and are projected to make up approximately 10% of the state's projected new jobs between 2016 and 2026.

There are many ways to analyze the demand for an occupation. Characteristics of demand include how fast an occupation is projected to grow, how many total job openings are projected through industry growth and the need to replace retiring workers. All of these factors can help evaluate whether an occupation is expected to encounter shortages, but no factor tells the entire story alone.

The South Dakota Department of Labor and Regulation (see Table 1) projections of health occupation needs in the future are consistent with the needs of an aging population.

Figure 2 summarizes fifteen healthcare occupations projected to have the highest change in number of new workers by 2026.

Figure 2: South Dakota Employment Projections 2016-2026 for Health Care Occupations
Top 15: Actual Change
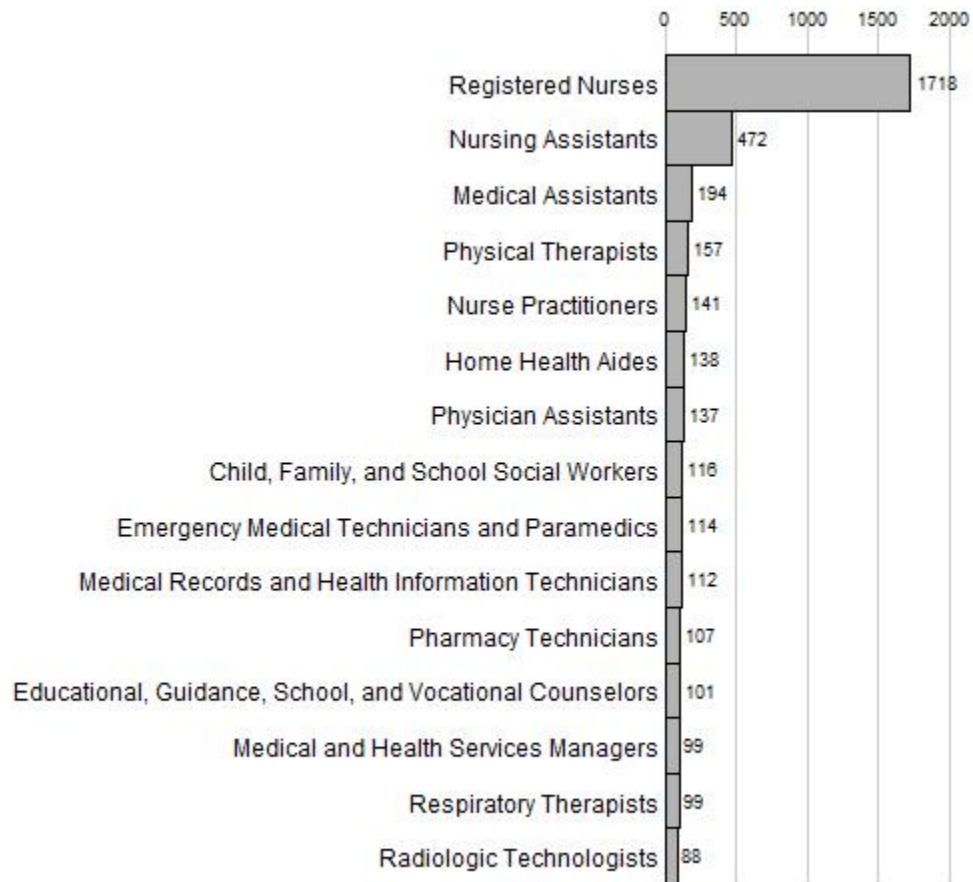
In addition to actual change in number of positions, percent change in number of positions is also a helpful metric to identify emerging occupations which are projected to see growth in the future. A review of the top fifteen occupations to see the largest percent change in positions from 2016-2026 indicates a growth in many of the technical support occupations (Figure 3). Readers are encouraged to look at the percent change along with the projected actual change in positions to obtain a true sense of occupation needs in the future. See Table 1 and Figures 4 and 5 for a comparison of all the health professions for which projection data was available from the South Dakota Department of Labor and Regulation.

Figure 3: South Dakota Employment Projections 2016-2026 for Health Care Occupations
Top 15: Percent Change
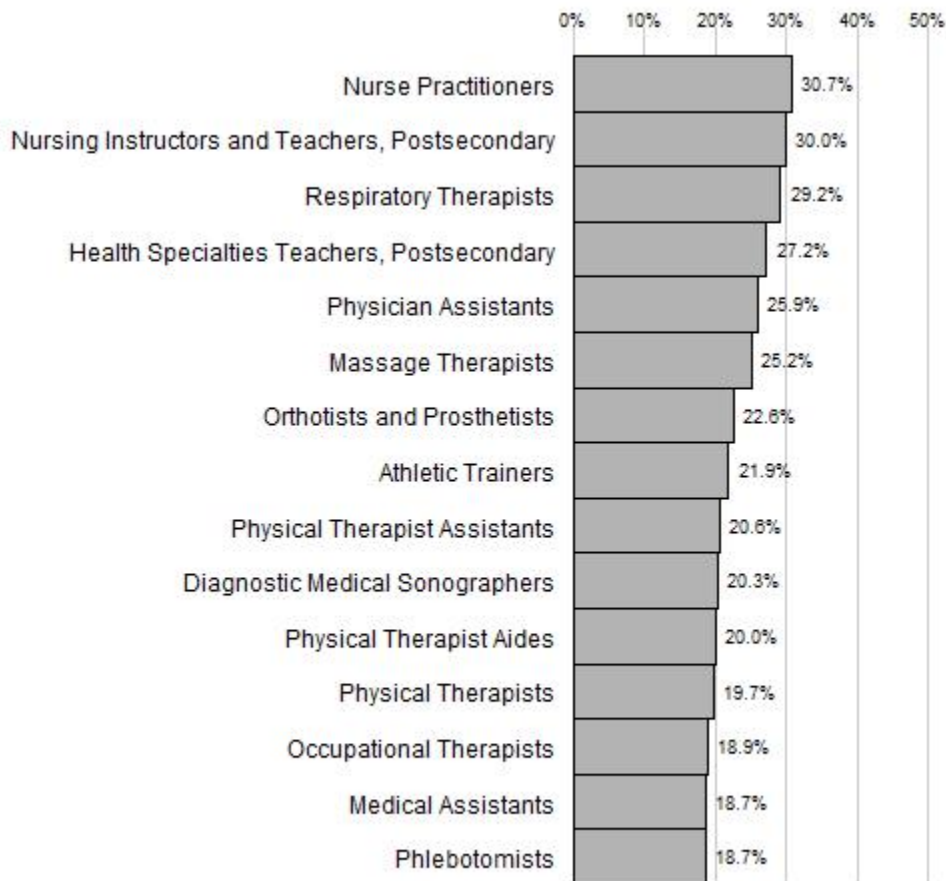
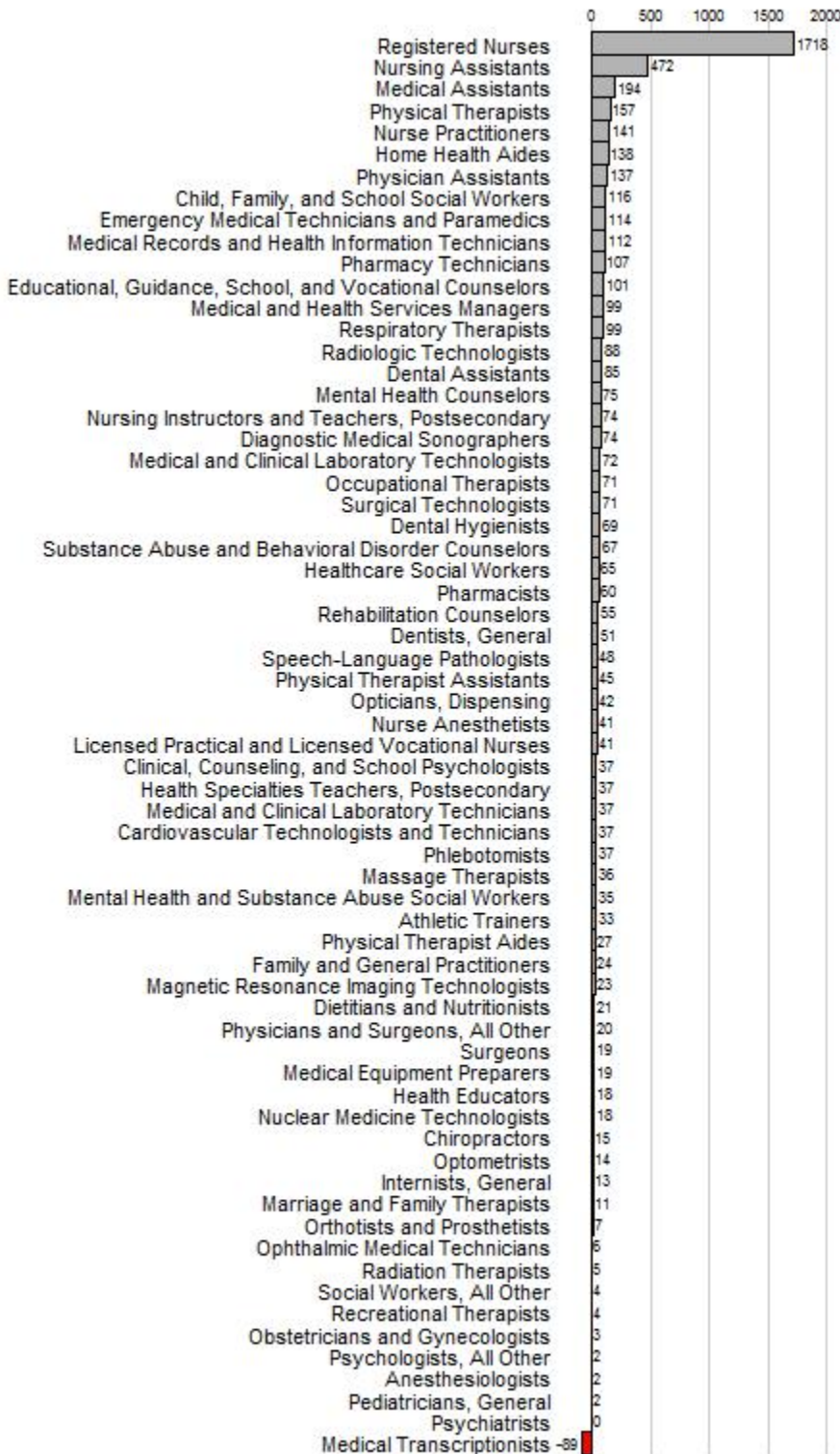| Occupation	Percent Change
Nurse Practitioners	30.7%
Nursing Instructors and Teachers, Postsecondary	30.0%
Respiratory Therapists	29.2%
Health Specialties Teachers, Postsecondary	27.2%
Physician Assistants	25.9%
Massage Therapists	25.2%
Orthotists and Prosthetists	22.6%
Athletic Trainers	21.9%
Physical Therapist Assistants	20.6%
Diagnostic Medical Sonographers	20.3%
Physical Therapist Aides	20.0%
Physical Therapists	19.7%
Occupational Therapists	18.9%
Medical Assistants	18.7%
Phlebotomists	18.7%

Table 1: South Dakota Employment Projections 2016-2026 for Healthcare Occupations

SOC Code	Occupational Title	2016 Employment	2026 Employment	Numeric Change	Percent Change	Annual Openings
00-0000	**Total, All Occupations**	**487,455**	**520,526**	**33,071**	**6.8%**	**58,885**
11-9111	Medical and Health Services Managers	786	885	99	12.6%	74
19-3031	Clinical, Counseling, and School Psychologists	353	390	37	10.5%	27
19-3039	Psychologists, All Other	47	49	2	4.3%	3
21-1011	Substance Abuse and Behavioral Disorder Counselors	561	628	67	11.9%	68
021-1012	Educational, Guidance, School, and Vocational Counselors	788	889	101	12.8%	96
21-1013	Marriage and Family Therapists	135	146	11	8.2%	15
21-1014	Mental Health Counselors	499	574	75	15.0%	63
21-1015	Rehabilitation Counselors	515	570	55	10.7%	62
21-1019	Counselors, All Other	Confidential	Confidential	Confidential	Confidential	Confidential
21-1021	Child, Family, and School Social Workers	1,701	1,817	116	6.8%	187
21-1022	Healthcare Social Workers	575	640	65	11.3%	67
21-1023	Mental Health and Substance Abuse Social Workers	304	339	35	11.5%	36
21-1029	Social Workers, All Other	95	99	4	4.2%	10
21-1091	Health Educators	163	181	18	11.0%	23
25-1071	Health Specialties Teachers, Postsecondary	136	173	37	27.2%	16
25-1072	Nursing Instructors and Teachers, Postsecondary	247	321	74	30.0%	28
29-1011	Chiropractors	234	249	15	6.4%	8
29-1021	Dentists, General	442	493	51	11.5%	18
29-1031	Dietitians and Nutritionists	186	207	21	11.3%	14
29-1041	Optometrists	130	144	14	10.8%	5
29-1051	Pharmacists	1,248	1,308	60	4.8%	61
29-1061	Anesthesiologists	39	41	2	5.1%	1
29-1062	Family and General Practitioners	470	494	24	5.1%	14
29-1063	Internists, General	208	221	13	6.25%	6
29-1064	Obstetricians and Gynecologists	71	74	3	4.2%	2
29-1065	Pediatricians, General	46	48	2	4.4%	1
29-1066	Psychiatrists	32	32	0	0.0%	0
29-1067	Surgeons	381	400	19	5.0%	12
29-1069	Physicians and Surgeons, All Other	447	467	20	4.5%	14
29-1071	Physician Assistants	529	666	137	25.9%	45
29-1122	Occupational Therapists	376	447	71	18.9%	26
29-1123	Physical Therapists	798	955	157	19.7%	51
29-1124	Radiation Therapists	33	38	5	15.2%	2
29-1125	Recreational Therapists	49	53	4	8.2%	3
29-1126	Respiratory Therapists	339	438	99	29.2%	28
29-1127	Speech-Language Pathologists	390	438	48	12.3%	26
29-1131	Veterinarians	282	306	24	8.5%	13
29-1141	Registered Nurses	12,334	14,052	1,718	13.9%	837
29-1151	Nurse Anesthetists	338	379	41	12.1%	21
29-1171	Nurse Practitioners	459	600	141	30.7%	39
29-1181	Audiologists	Confidential	Confidential	Confidential	Confidential	Confidential
29-2011	Medical and Clinical Laboratory Technologists	775	847	72	9.3%	55
29-2012	Medical and Clinical Laboratory	377	414	37	9.8%	28

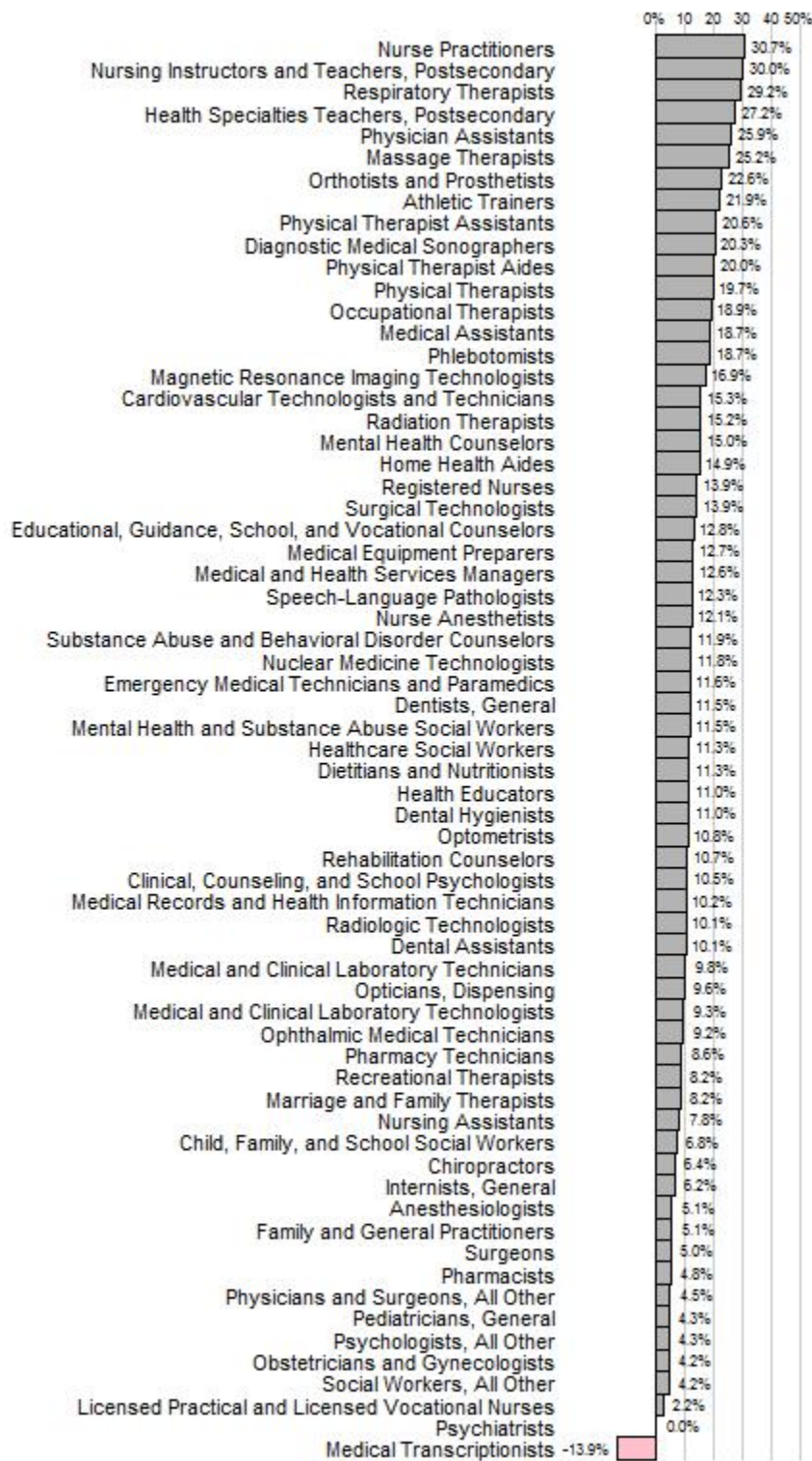| SOC Code	Occupational Title	2016 Employment	2026 Employment	Numeric Change	Percent Change	Annual Openings
	Technicians					
29-2021	Dental Hygienists	626	695	69	11.0%	46
29-2031	Cardiovascular Technologists and Technicians	242	279	37	15.3%	17
29-2032	Diagnostic Medical Sonographers	364	438	74	20.3%	27
29-2033	Nuclear Medicine Technologists	152	170	18	11.8%	10
29-2034	Radiologic Technologists	874	962	88	10.1%	56
29-2035	Magnetic Resonance Imaging Technologists	136	159	23	16.9%	10
29-2041	Emergency Medical Technicians and Paramedics	985	1,099	114	11.6%	72
29-2052	Pharmacy Technicians	1,238	1,345	107	8.6%	110
29-2055	Surgical Technologists	510	581	71	13.9%	49
29-2056	Veterinary Technologists and Technicians	264	288	24	9.1%	23
29-2057	Ophthalmic Medical Technicians	65	71	6	9.2%	6
29-2061	Licensed Practical and Licensed Vocational Nurses	1,851	1,892	41	2.2%	135
29-2071	Medical Records and Health Information Technicians	1,099	1,211	112	10.2%	79
29-2081	Opticians, Dispensing	439	481	42	9.6%	36
29-2091	Orthotists and Prosthetists	31	38	7	22.6%	3
29-9091	Athletic Trainers	151	184	33	21.9%	12
31-1011	Home Health Aides	924	1,062	138	15.0%	124
31-1014	Nursing Assistants	6,038	6,510	472	7.8%	745
31-2021	Physical Therapist Assistants	219	264	45	20.6	33
31-2022	Physical Therapist Aides	135	162	27	20.0%	20
31-9011	Massage Therapists	143	179	36	25.2%	20
31-9091	Dental Assistants	844	929	85	10.1%	104
31-9092	Medical Assistants	1.036	1,230	194	18.7%	139
31-9093	Medical Equipment Preparers	150	169	19	12.7%	22
31-9094	Medical Transcriptionists	638	549	-89	-14.0%	60
31-9095	Pharmacy Aides	Confidential	Confidential	Confidential	Confidential	Confidential
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	197	216	19	9.6%	33
31-9097	Phlebotomists	198	235	37	18.7%	25

Figure 4: South Dakota Employment Projections 2016-2026 for Health Care Occupations Actual Change (From Table 1)

Occupation	Actual Change
Registered Nurses	1718
Nursing Assistants	472
Medical Assistants	194
Physical Therapists	157
Nurse Practitioners	141
Home Health Aides	138
Physician Assistants	137
Child, Family, and School Social Workers	116
Emergency Medical Technicians and Paramedics	114
Medical Records and Health Information Technicians	112
Pharmacy Technicians	107
Educational, Guidance, School, and Vocational Counselors	101
Medical and Health Services Managers	99
Respiratory Therapists	99
Radiologic Technologists	88
Dental Assistants	85
Mental Health Counselors	75
Nursing Instructors and Teachers, Postsecondary	74
Diagnostic Medical Sonographers	74
Medical and Clinical Laboratory Technologists	72
Occupational Therapists	71
Surgical Technologists	71
Dental Hygienists	69
Substance Abuse and Behavioral Disorder Counselors	67
Healthcare Social Workers	65
Pharmacists	60
Rehabilitation Counselors	55
Dentists, General	51
Speech-Language Pathologists	48
Physical Therapist Assistants	45
Opticians, Dispensing	42
Nurse Anesthetists	41
Licensed Practical and Licensed Vocational Nurses	41
Clinical, Counseling, and School Psychologists	37
Health Specialties Teachers, Postsecondary	37
Medical and Clinical Laboratory Technicians	37
Cardiovascular Technologists and Technicians	37
Phlebotomists	37
Massage Therapists	36
Mental Health and Substance Abuse Social Workers	35
Athletic Trainers	33
Physical Therapist Aides	27
Family and General Practitioners	24
Magnetic Resonance Imaging Technologists	23
Dietitians and Nutritionists	21
Physicians and Surgeons, All Other	20
Surgeons	19
Medical Equipment Preparers	19
Health Educators	18
Nuclear Medicine Technologists	18
Chiropractors	15
Optometrists	14
Internists, General	13
Marriage and Family Therapists	11
Orthotists and Prosthetists	7
Ophthalmic Medical Technicians	6
Radiation Therapists	5
Social Workers, All Other	4
Recreational Therapists	4
Obstetricians and Gynecologists	3
Psychologists, All Other	2
Anesthesiologists	2
Pediatricians, General	2
Psychiatrists	0
Medical Transcriptionists	-89

Source: Labor Market Information Center, South Dakota Department of Labor and Regulation, August 2018.

Figure 5: South Dakota Employment Projections 2016-2026 for Health Care Occupations
Percent Change

Occupation	Percent Change
Nurse Practitioners	30.7%
Nursing Instructors and Teachers, Postsecondary	30.0%
Respiratory Therapists	29.2%
Health Specialties Teachers, Postsecondary	27.2%
Physician Assistants	25.9%
Massage Therapists	25.2%
Orthotists and Prosthetists	22.6%
Athletic Trainers	21.9%
Physical Therapist Assistants	20.6%
Diagnostic Medical Sonographers	20.3%
Physical Therapist Aides	20.0%
Physical Therapists	19.7%
Occupational Therapists	18.9%
Medical Assistants	18.7%
Phlebotomists	18.7%
Magnetic Resonance Imaging Technologists	16.9%
Cardiovascular Technologists and Technicians	15.3%
Radiation Therapists	15.2%
Mental Health Counselors	15.0%
Home Health Aides	14.9%
Registered Nurses	13.9%
Surgical Technologists	13.9%
Educational, Guidance, School, and Vocational Counselors	12.8%
Medical Equipment Preparers	12.7%
Medical and Health Services Managers	12.6%
Speech-Language Pathologists	12.3%
Nurse Anesthetists	12.1%
Substance Abuse and Behavioral Disorder Counselors	11.9%
Nuclear Medicine Technologists	11.8%
Emergency Medical Technicians and Paramedics	11.6%
Dentists, General	11.5%
Mental Health and Substance Abuse Social Workers	11.5%
Healthcare Social Workers	11.3%
Dietitians and Nutritionists	11.3%
Health Educators	11.0%
Dental Hygienists	11.0%
Optometrists	10.8%
Rehabilitation Counselors	10.7%
Clinical, Counseling, and School Psychologists	10.5%
Medical Records and Health Information Technicians	10.2%
Radiologic Technologists	10.1%
Dental Assistants	10.1%
Medical and Clinical Laboratory Technicians	9.8%
Opticians, Dispensing	9.6%
Medical and Clinical Laboratory Technologists	9.3%
Ophthalmic Medical Technicians	9.2%
Pharmacy Technicians	8.6%
Recreational Therapists	8.2%
Marriage and Family Therapists	8.2%
Nursing Assistants	7.8%
Child, Family, and School Social Workers	6.8%
Chiropractors	6.4%
Internists, General	6.2%
Anesthesiologists	5.1%
Family and General Practitioners	5.1%
Surgeons	5.0%
Pharmacists	4.8%
Physicians and Surgeons, All Other	4.5%
Pediatricians, General	4.3%
Psychologists, All Other	4.3%
Obstetricians and Gynecologists	4.2%
Social Workers, All Other	4.2%
Licensed Practical and Licensed Vocational Nurses	2.2%
Psychiatrists	0.0%
Medical Transcriptionists	-13.9%

Notes Related to South Dakota Department of Labor and Regulation Employment Projections Data:

Projections of occupational employment growth are developed for all States and the nation as a whole. One of the most important uses of the projections is to help individuals make informed career decisions.

Occupational Data
Each State Employment Security Agency, in cooperation with the Bureau of Labor Statistics, uses the Occupational Employment Statistics (OES) report to gather occupational employment data. These OES data are the basis for the staffing patterns used in the projections. The data collected reflect the Standard Occupational Classification (SOC).
Employment may not be sufficient to warrant the development of occupational projections in every occupation in each State, or the data may be confidential. Occupations for which projections are not available are indicated with an (NA) for 'not available.'

Numeric Employment Change
Numeric employment change is the difference in the number of jobs between the base and projected years. A positive number means employment is growing due to the creation of new jobs. A negative number indicates employment is declining in the occupation.
Numeric change is important to consider along with percent change, because both types of change are affected by the size of employment in an occupation. Occupations with a large base of numeric employment may be creating large numbers of new jobs yet have small percent changes. Occupations with a small base of numeric employment may be creating a small number of new jobs yet have large percent changes.

Percent Employment
Percent employment change indicates how fast employment is expected to increase or decrease during the projection period. The larger the positive percent change, the faster employment is growing. A large positive percent change is generally an indicator of favorable employment prospects. Likewise, the larger the negative percent change, the faster employment is declining, and the more unfavorable the employment prospects.

Average Annual Openings
Average annual openings are the sum of average annual new jobs and replacements. Average annual new jobs are the numeric change in employment over the projection period divided by the number of years in the projection period. Replacements are an estimate of the number of jobs that will arise from the need to replace workers who will change occupations, retire, or otherwise permanently leave the occupation. Occupations with declining employment will have average annual openings equal to replacement needs. Average annual openings are presented because job openings arise from both newly created jobs and the need to replace workers who permanently leave their jobs.

Source: South Dakota Department of Labor and Regulation – Labor Market Information Center
https://dlr.sd.gov/lmic/menu_projections_occupation.aspx

Educational Supply

Many of the healthcare occupations included in this report require some level of postsecondary education. Training programs exist in South Dakota for many of the major occupations. Data on program completers summarized in Table 2 was drawn from the South Dakota Board of Regents and Table 3 from the National Center for Educational Statistics' Integrated Postsecondary Education Data System (IPEDS) for private universities, tribal colleges and universities, and postsecondary technical institutes.

Table 2: Selected Health Care Occupations – Degrees Conferred by Public Universities, by year.

Major Description	Univ.	Degree	2013	2014	2015	2016	2017	5-Year Total	5-Year Average
Athletic Training	SDSU	B	19	12	16	14	15	76	15.2
	SDSU	M	2	6	4	3	4	19	3.8
Audiology	USD	AuD	3	4	3	7	6	23	4.6
Dental Hygiene	USD	A	30	NA	NA	NA	NA	30	6
	USD	B	32	33	34	30	33	162	32.4
Dietetics Specialization	SDSU	B	13	15	17	19	18	82	16.4
	SDSU	M	2	3	1	6	0	12	2.4
Health Information Technology	DSU	A	13	15	9	16	11	64	12.8
Health Information Administrator	DSU	B	10	12	14	16	9	61	12.2
Medical Lab Science	NSU	B	8	3	0	4	1	16	3.2
Medical Technology Clinical Laboratory Science	SDSU	B	16	12	28	17	26	99	19.8
	USD	B	8	9	6	5	6	34	6.8
Medicine (MD)	USD	MD	53	54	50	55	52	264	52.8
AS Nursing	USD	A	269	268	111	16	31	695	139
BS Nursing	USD	B	*	91	184	223	192	690	172.5
	SDSU	B	348	331	332	356	334	1701	340.2
MS Nursing Total	SDSU	M	21	10	12	11	14	68	13.6
Occupational Therapy	USD	M	25	24	26	26	9	110	22
Pharmacy	SDSU	PharmD	68	77	85	76	72	378	75.6
Physical Therapy	USD	M/DPT	35	36	33	30	26	160	32
Physician Assistant	USD	B	0	0	0	0	0	0	0
	USD	M	19	19	22	25	23	108	21.6
Psychology	NSU	B	19	14	17	25	20	95	19
	SDSU	B	53	64	57	70	47	291	58.2
	SDSU	M	61	53	52	52	48	266	53.2
	USD	B	80	73	76	76	63	368	73.6
	USD	M	33	28	26	33	33	153	30.6
	USD	PhD	7	12	13	20	21	73	14.6
Respiratory Care Therapy	DSU	A	16	17	17	19	12	81	16.2
	DSU	B	3	3	1	4	7	18	3.6
Social Work	USD	B	-	32	27	30	26	115	28.8
	USD	M	-	-	58	47	40	145	48.3
Speech-Language Pathology	USD	M	30	21	38	24	27	140	28

Table 3: Selected Health Care Occupation Graduates Reported by Private Universities/Other Institutions in South Dakota for the last three academic years, as reported in the National Center for Educational Statistics' Integrated Postsecondary Education Data System (IPEDS).

Discipline Field	Institution	2015	2016	2017	3 Year Total	3 Year Average
Athletic Training	Augustana	11	7	8	26	8.7
	DWU	6	15	6	27	9
Dental Assistant	Lake Area Tech	49	50	36	135	45
Health Information Technology	NAU-SF	4	5	5	14	4.7
Massage Therapy	NAU-SF	8	6	5	19	6.3
	Headlines Academy	24	16	18	58	19.3
	Globe University-SF	11	-	-	11	3.7
Medical/Clinical Assistant	Presentation College	0	6	3	9	3
	Colorado Tech	3	-	-	3	1
	Lake Area Tech	7	11	17	35	11.7
	Mitchell Tech	15	13	15	43	14.3
	NAU-SF	7	5	6	18	6
	Globe University-SF	5	-	-	5	1.7
	Western Dakota Tech	15	17	11	43	14.3
Clinical/Medical Laboratory Technician	Lake Area Tech	13	9	11	33	11
	Mitchell Tech	9	3	6	18	6
Clinical/Med Lab Science & Allied Professionals, Other	Southeast Tech	32	23	26	81	27
	Western Dakota Tech	18	16	6	40	13.3
Nursing (LPN)	Lake Area Tech	58	50	66	174	58
	Southeast Tech	93	93	96	282	94
	Western Dakota Tech	59	24	47	130	43.3
	Sinte Gleska	5	3	2	10	3.3

Table 3 (Continued): Selected Health Care Occupation Graduates Reported by Private Universities/Other Institutions in South Dakota for the last three academic years, as reported in the National Center for Educational Statistics' Integrated Postsecondary Education Data System (IPEDS).

Discipline Field	Institution	2015	2016	2017	3 Year Total	3 Year Average
Nursing – Bachelor (RN)	Augustana College	42	53	49	144	48
	DWU	16	88	71	175	58.3
	Mount Marty College	30	28	27	85	28.3
	NAU-RC	13	10	17	40	13.3
	NAU-SF	12	14	14	40	13.3
	Presentation College	61	82	91	234	78
	University of Sioux Falls	52	82	54	188	62.7
Nursing – Associate (RN)	DWU	45	59	-	104	34.7
	Oglala Lakota	9	10	18	37	12.3
Nurse Anesthetist (CRNA)	Mount Marty College	32	33	33	98	32.7
Occupational Therapy Assistants	Lake Area Tech	19	20	16	55	18.3
Pharmacy Technician	NAU-SF	5	5	-	10	3.3
	Southeast Tech	8	10	6	24	8
	Western Dakota Tech	19	14	9	42	14
Physical Therapy Assistants	Lake Area Tech	26	23	24	73	24.3
Radiological Technology/Technician Medical Radiological Technology Science-Radiation Therapist	Presentation College	27	21	22	70	23.3
	MTI	16	22	21	59	19.7
	Avera Sacred Heart	6	6	5	17	5.7
	Sanford	12	12	12	36	12
	Avera McKennan	10	10	10	30	10
	Mount Marty College	6	9	8	23	7.7
	University of Sioux Falls	19	9	7	35	11.7
Social Work	University of Sioux Falls	10	7	11	28	9.3
	Presentation College	3	6	1	10	3.3
	Oglala Lakota	5	10	13	28	9.3

Profiles
For Individual Occupations

Data Sources

In addition to employment projection data provided by the South Dakota Department of Labor and Regulation, data from the licensing and certification boards was also obtained. The intent of collecting information from the licensing and certification boards was to expand upon the South Dakota Department of Labor and Regulation data by providing a summation of the current licensed/certified workforce using geographic and age descriptors.

Individual occupational profile descriptions were adapted from The Integrated Postsecondary Education Data System's Classification of Instructional Programs.

Table 4: Professional Licensing Boards and Professions Data Sources

Professional Licensing Board	Professions
South Dakota Board of Chiropractic Examiners	• Chiropractors
South Dakota Board of Dentistry	• Dentists • Dental Assistants • Dental Hygienists
South Dakota Board of Massage Therapy	• Massage Therapists
South Dakota Board of Medical and Osteopathic Examiners	• Athletic Trainers • Dietitians and Nutritionists • Emergency Medical Technicians & Paramedics • Medical Assistants • Occupational Therapists • Occupational Therapist Assistants • Physical Therapists • Physical Therapist Assistants • Physicians • Physician Assistants • Respiratory Therapists
South Dakota Board of Nursing	• Certified Nurse Practitioners (CNPs) • Licensed Practical Nurses (LPNs) • Nurse Anesthetists (CRNAs) • Registered Nurses (RNs)
South Dakota Board of Optometry	• Optometrists
South Dakota Board of Pharmacy	• Pharmacists
South Dakota Board of Psychologists Examiners	• Psychologists
South Dakota Board of Social Work Examiners	• Social Workers
South Dakota Board of Examiners for Counselors and Marriage and Family Therapists	• Licensed Professional Counselors • Licensed Professional Counselors – Mental Health • Licensed Professional and Family Therapists

Geographic Distribution

The distribution of providers was examined by regions. The map of South Dakota illustrates the population distribution and the seven regions.

Region	Counties
Region 1	Aurora, Brule, Bon Homme, Buffalo, Charles Mix, Clay, Davison, Douglas, Hanson, Hutchinson, McCook, Turner, Union, Yankton
Region 2	Minnehaha, Lincoln
Region 3	Beadle, Brookings, Clark, Codington, Deuel, Grant, Hamlin, Hand, Jerauld, Kingsbury, Lake, Miner, Moody, Sanborn
Region 4	Butte, Corson, Dewey, Harding, Lawrence, Meade, Perkins, Ziebach
Region 5	Brown, Campbell, Day, Edmunds, Faulk, Marshall, McPherson, Roberts, Spink, Walworth
Region 6	Bennett, Gregory, Haakon, Hughes, Hyde, Jackson, Jones, Lyman, Mellette, Potter, Stanley, Sully, Tripp, Todd
Region 7	Custer, Fall River, Oglala Lakota, Pennington,

Each dot represents approximately 100 people
Each dot randomly placed within its 2010 US Census Tract
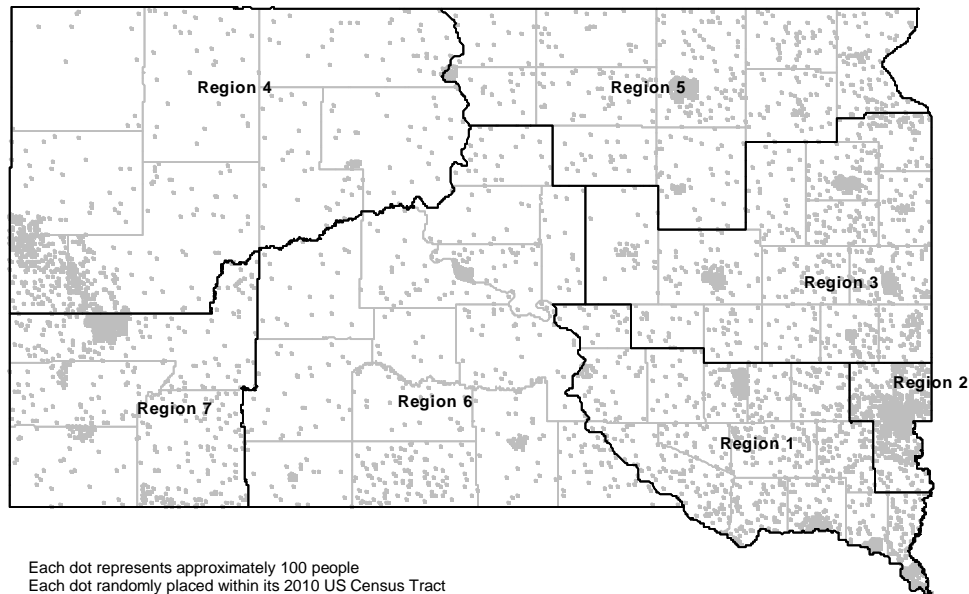
Athletic Trainers

Description: A program that prepares individuals to work in consultation with, and under the supervision of physicians to prevent and treat sports injuries and associated conditions. Includes instruction in the identification, evaluation, and treatment of athletic injuries and illnesses; first aid and emergency care; therapeutic exercise; anatomy and physiology; exercise physiology; kinesiology and biomechanics; nutrition; sports psychology; personal and community health; knowledge of various sports and their biomechanical and physiological demands; and applicable professional standards and regulations.

Demand: Between 2016 and 2026, the South Dakota Department of Labor and Regulation projects that South Dakota will need an average of 12 athletic trainers per year.

Occupational Title	2016 Workers	2026 Workers	Numeric Change	Percent Change	Average Annual Openings
Athletic Trainers	151	184	33	21.9%	12

Current Workforce Information: The statewide median age of Athletic Trainers is 31 years and 15.3% of trainers are age 45 or older.

Current Workforce Distribution by Age and Geographic Region:

Region	Number	Mean/Average Age	Standard Deviation	Median	Percent Age 45 and older	Percent Age 60 and older
1	44	33.2	10.1	28.0	15.9	2.3
2	76	34.4	10.1	32.0	15.8	1.3
3	43	32.2	9.4	32.0	11.6	2.3
4	10	39.3	10.3	38.0	30.0	0.0
5	21	31.7	7.9	31.0	9.5	0.0
6	4	37.5	13.8	32.0	25.0	0.0
7	18	32.7	10.2	28.0	16.7	0.0
Not SD*	33	33.1	8.6	30.0	15.2	0.0
Total	249	33.5	9.7	31.0	15.3	1.2

*Licensure/certification data included individuals with addresses not located in South Dakota.

Athletic Trainers: Age on 1/1/2018
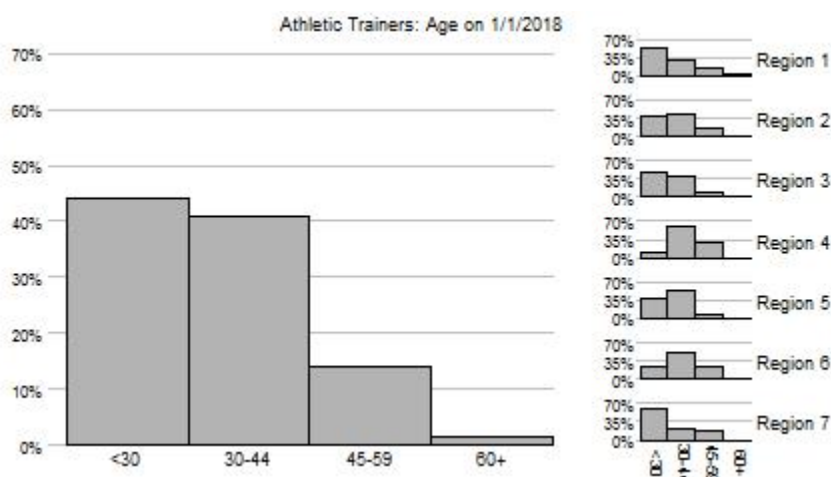
Supply: During the 2016-2017 academic year, there were 33 graduates reported from Athletic Trainer programs in South Dakota.

Audiologists

Description: A program that prepares individuals to diagnose and treat hearing loss and other disorders involving the ear, advise patients on means to use their remaining hearing, and select and fit hearing aids and other devices. Includes instruction in acoustics, anatomy and physiology of hearing, hearing measurement, auditory pathology, middle and inner ear analysis, rehabilitation therapies and assistive technologies, and pediatric and other special applications.

Demand: The sample size for working Audiologist professionals is too small for inclusion in the South Dakota Department of Labor and Regulation projections.

Supply: During the 2016-2017 academic year there were 6 graduates reported from Audiology programs in South Dakota.

Certified Nurse Practitioners (CNPs)

Description: CNPs are advanced practice registered nurses that work in a variety of settings, such as hospitals and clinics. They are educationally prepared to assess, diagnose and manage patient problems, order tests and prescribe medications. Their advanced education, knowledge, and skills prepare them to care for specific populations of patients, including adults, families, children and infants. South Dakota licenses CNPs in the following population focus areas: Adult-Gero, Family, Neonatal, Pediatric, Psych-Mental Health, and Women's Health nurse practitioners.

Demand: Between 2016 and 2026, the South Dakota Department of Labor and Regulation projects that South Dakota will need an average of 39 Nurse Practitioners per year.

Occupational Title	2016 Workers	2026 Workers	Numeric Change	Percent Change	Average Annual Openings
Nurse Practitioners	459	600	141	30.7%	39

Current Workforce Information: The statewide median age of Certified Nurse Practitioners (CNPs) is 42 years and 44.5% of CNPs are age 45 or older. The percent of CNPs age 45 and older is 35% or higher in all seven regions of the state.

Current Workforce Distribution by Age and Geographic Region:

Region	Number	Mean/Average Age	Standard Deviation	Median	Percent Age 45 and older	Percent Age 60 and older
1	81	42.4	10.1	40.0	35.8	7.4
2	319	43.1	10.4	41.0	39.5	8.2
3	71	45.2	12.4	43.0	46.5	18.3
4	38	50.5	11.6	54.0	65.8	23.7
5	37	43.8	11.2	41.0	43.2	8.1
6	35	48.0	10.8	46.0	57.1	20.0
7	135	48.9	12.7	50.0	57.8	28.9
Not SD*	302	43.5	12.0	39.0	41.7	13.6
Total	1018	44.6	11.6	42.0	44.5	14.1

*Licensure/certification data included individuals with addresses not located in South Dakota.

Certified Nurse Practitioners (CNPs): Age on 1/1/2018
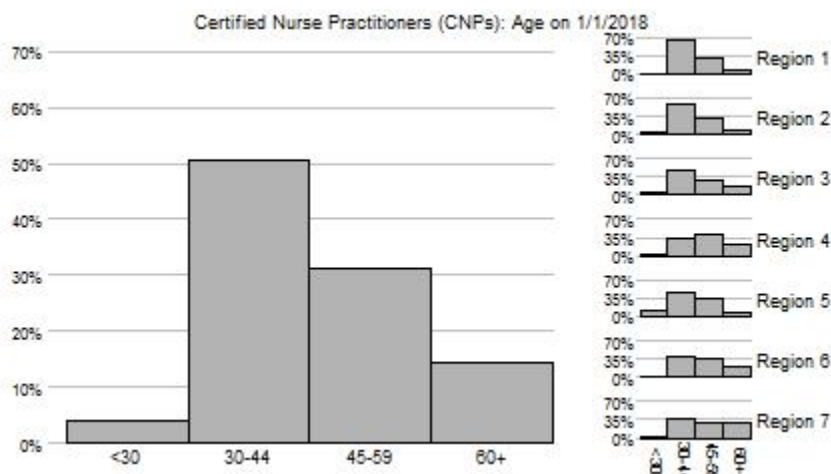
Supply: For more information on the nursing workforce please refer to the South Dakota Board of Nursing reports located at: https://doh.sd.gov/boards/nursing/Reports/2017SDNsgWorkForceReport.pdf

Chiropractors

Description: A program that prepares individuals for the independent professional practice of chiropractic, a health care and healing system based on the application of non-invasive treatments and spinal adjustments to alleviate health problems caused by vertebral misalignments affecting bodily function as derived from the philosophy of Daniel Palmer. Includes instruction in the basic medical sciences, chiropractic theory and science, postural and spinal analysis, diagnostic radiology and ultrasound, adjustment technique, patient counseling, professional standards and ethics, and practice management.

Demand: Between 2016 and 2026, the South Dakota Department of Labor and Regulation projects that each year South Dakota will need an average of 8 Chiropractors per year.

Occupational Title	2016 Workers	2026 Workers	Numeric Change	Percent Change	Average Annual Openings
Chiropractors	234	249	15	6.41%	8

Current Workforce Information: The statewide median age of Chiropractors is 42 years and 40.6% of Chiropractors are age 45 or older.

Current Workforce Distribution by Age and Geographic Region:

Region	Number	Mean/Average Age	Standard Deviation	Median	Percent Age 45 and older	Percent Age 60 and older
1	76	47.2	11.0	46	56.6	17.1
2	145	40.2	10.0	39	25.5	6.2
3	65	43.2	12.3	40	41.5	15.4
4	34	41.9	11.8	40	32.4	8.8
5	27	45.0	11.8	45	51.9	14.8
6	18	50.0	11.6	48	66.7	22.2
7	56	45.0	12.0	42	44.6	17.9
Not SD*	22	46.0	15.7	44	50.0	27.3
Total	443	43.6	11.7	42	40.6	13.3

*Licensure/certification data included individuals with addresses not located in South Dakota.

Chiropractors: Age on 1/1/2018
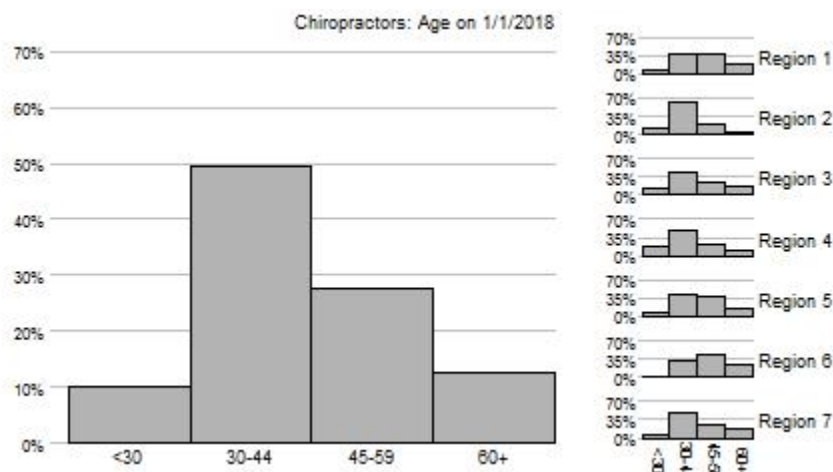
Supply: There are currently no Chiropractic education programs in South Dakota.

Advanced Dental Assistants

Description: A program that prepares individuals to provide patient care, take dental radiographs (x-ray photographs), prepare patients and equipment for dental procedures, and discharge office administrative functions under the supervision of dentists and dental hygienists. Includes instruction in medical record-keeping, general office duties, reception and patient intake, scheduling, equipment maintenance and sterilization, basic radiography, pre- and post-operative patient care and instruction, chairside assisting, taking tooth and mouth impressions, and supervised practice.

Demand: Between 2016 and 2026, the South Dakota Department of Labor and Regulation projects that each year South Dakota will need an average of 104 Dental Assistants per year.

Occupational Title	2016 Workers	2026 Workers	Numeric Change	Percent Change	Average Annual Openings
Advanced Dental Assistants	844	929	85	10.1%	104

* The Department of Labor statistics does not distinguish between a dental assistant and an advanced dental assistance.

Current Workforce Information: The statewide median age of Advanced Dental Assistants is 33 years. The percent of Advanced Dental Assistants age 45 and older is 26.5%.

Current Workforce Distribution by Age and Geographic Region:

Region	Number	Mean/Average Age	Standard Deviation	Median	Percent Age 45 and older	Percent Age 60 and older
1	95	36.8	12.2	35	25.3	6.3
2	299	36.7	12.7	33	27.9	6.7
3	136	34.2	12.5	30	20.0	4.4
4	52	38.8	11.1	36	26.9	1.9
5	54	34.1	12.1	30	25.9	1.9
6	39	38.4	14.5	34	41.0	12.8
7	147	38.9	12.3	36	34.0	5.4
Not SD*	85	31.7	12.0	28	14.1	4.7
Total	907	36.3	12.6	33	26.5	5.6

*Licensure/certification data included individuals with addresses not located in South Dakota. Data above includes advanced dental assistants only.

Registered Dental Assistant: Age on 1/1/2018
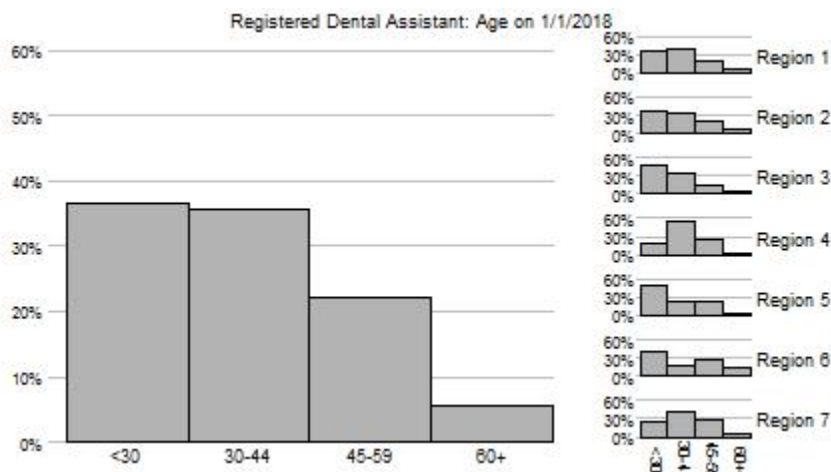
Supply: During the 2016-2017 academic year, there were 36 graduates reported from Advanced Dental Assistant programs in South Dakota.

Dental Hygienists

Description: A program that prepares individuals to clean teeth and apply preventive materials, provide oral health education and treatment counseling to patients, identify oral pathologies and injuries, and manage dental hygiene practices. Includes instruction in dental anatomy, microbiology, and pathology; dental hygiene theory and techniques; cleaning equipment operation and maintenance; dental materials; radiology; patient education and counseling; office management; supervised clinical training; and professional standards.

Demand: Between 2016 and 2026, the South Dakota Department of Labor and Regulation projects that each year South Dakota will need an average of 46 Dental Hygienists per year.

Occupational Title	2016 Workers	2026 Workers	Numeric Change	Percent Change	Average Annual Openings
Dental Hygienists	626	695	69	11.0%	46

Current Workforce Information: The statewide median age of Dental Hygienists is 36 years and 33.2% of Dental Hygienists are age 45 or older.

Current Workforce Distribution by Age and Geographic Region:

Region	Number	Mean/Average Age	Standard Deviation	Median	Percent Age 45 and older	Percent Age 60 and older
1	108	39.9	13.1	37	32.4	10.2
2	228	37.2	11.6	34	27.6	4.4
3	85	36.7	11.1	34	24.7	3.5
4	42	38.4	13.3	36	26.2	7.1
5	40	38.6	13.0	34	35.0	5.0
6	35	40.4	13.2	39	34.3	8.6
7	109	42.6	12.6	42	47.7	11.9
Not SD*	174	40.0	12.9	38	37.0	8.7
Total	821	39.1	12.5	36	33.2	7.3

*Licensure/certification data included individuals with addresses not located in South Dakota.

Dental Hygienist: Age on 1/1/2018
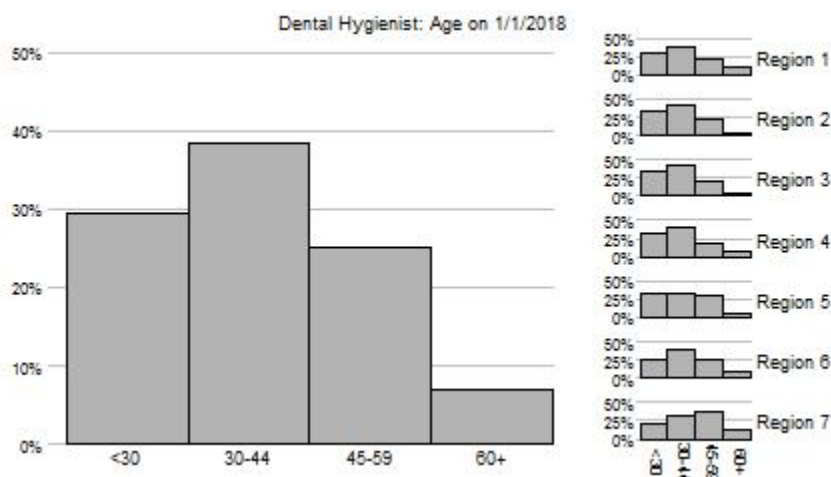
Supply: During the 2016-2017 academic year, there were 33 baccalaureate degree program graduates reported from the Dental Hygiene programs in South Dakota.

Dentists

Description: A program that prepares individuals for the independent professional practice of dentistry/dental medicine, encompassing the evaluation, diagnosis, prevention, and treatment of diseases, disorders, and conditions of the oral cavity, maxillofacial area, and adjacent structures and their impact on the human body and health. Includes instruction in the basic biomedical sciences, occlusion, dental health and prevention, oral pathology, cardiology, operative dentistry, oral radiology, principles of the various dental specialties, pain management, oral medicine, clinic and health care management, patient counseling, and professional standards and ethics.

Demand: Between 2016 and 2026, the South Dakota Department of Labor and Regulation projects that each year South Dakota will need an average of 18 Dentists (General) per year.

Occupational Title	2016 Workers	2026 Workers	Numeric Change	Percent Change	Average Annual Openings
Dentists, General	442	493	51	11.5%	18

Current Workforce Information: The statewide median age of Dentists is 44 years and 49.5% of Dentists are age 45 or older.

Current Workforce Distribution by Age and Geographic Region:

Region	Number	Mean/Average Age	Standard Deviation	Median	Percent Age 45 and older	Percent Age 60 and older
1	71	48.6	14.0	46	52.1	26.8
2	154	44.6	12.8	41	44.2	19.5
3	70	43.6	14.0	40	34.3	2.3
4	28	46.8	13.1	43	39.3	28.6
5	27	51.0	13.3	54	66.7	33.3
6	27	44.0	14.2	39	33.3	25.9
7	103	48.4	12.9	46	54.4	25.2
Not SD*	102	51.6	14.7	54	63.7	38.2
Total	582	47.2	13.8	44	49.5	26.6

*Licensure/certification data included individuals with addresses not located in South Dakota.

Dentist: Age on 1/1/2018
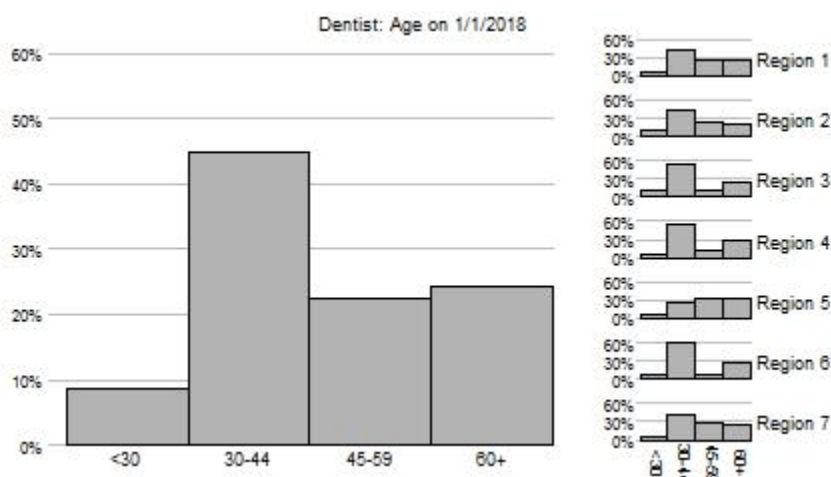
Supply: There are currently no Dental programs in South Dakota.

Dietitians and Nutritionists

Description:
Dietitians A program that prepares individuals to integrate and apply the principles of the food and nutrition sciences, human behavior, and the biomedical sciences to design and manage effective nutrition programs in a variety of settings. Includes instruction in human nutrition; nutrient metabolism; the role of foods and nutrition in health promotion and disease prevention; planning and directing food service activities; diet and nutrition analysis and planning; supervision of food storage and preparation; client education; and professional standards and regulations.

Nutritionists A program that focuses on the relationships between food consumption and human development and health. Includes instruction in the cellular and molecular processes of food processing in the human body, related metabolic processes, the relationship of food and nutrition to disease, and nutritional needs across the life span.

Demand: Between 2016 and 2026, the South Dakota Department of Labor and Regulation projects that each year South Dakota will need an average of 14 Dietitians and Nutritionists per year.

Occupational Title	2016 Workers	2026 Workers	Numeric Change	Percent Change	Average Annual Openings
Dietitians and Nutritionists	186	207	21	11.3%	14

Current Workforce Information: The statewide median age of Dietitians and Nutritionists is 40 years and 41.3% of Dietitians and Nutritionists are age 45 or older.

Current Workforce Distribution by Age and Geographic Region:

Region	Number	Mean/Average Age	Standard Deviation	Median	Percent Age 45 and older	Percent Age 60 and older
1	19	39.4	13.5	34	31.6	15,8
2	70	42.4	11.5	42	41.4	8.6
3	17	40.6	12.9	36	29.4	17.6
4	9	46.4	10.4	47	55.6	11.1
5	12	43.2	12.0	40	41.7	8.3
6	7	43.7	15.4	45	57.1	28.6
7	20	49.6	12.4	54	70.0	25.0
Not SD*	187	42.4	13.4	38	39.0	15.5
Total	341	42.7	12.9	40	41.3	14.7

*Licensure/certification data included individuals with addresses not located in South Dakota.

Dietitians and Nutritionists: Age on 1/1/2018
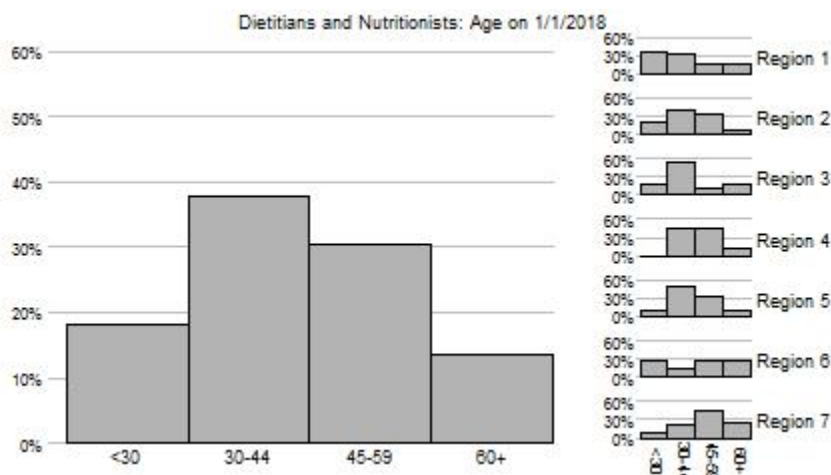
Supply: During the 2016-2017 academic year, there were 18 baccalaureate degree program graduates reported from Dietetics and Nutritional programs in South Dakota.

Emergency Medical Technicians (EMTs) and Paramedics

Description: A program that prepares individuals, under the remote supervision of physicians, to recognize, assess, and manage medical emergencies in pre-hospital settings and to supervise Ambulance personnel. Includes instruction in basic, intermediate, and advanced EMT procedures; emergency surgical procedures; medical triage; rescue operations; crisis scene management and personnel supervision; equipment operation and maintenance; patient stabilization, monitoring, and care; drug administration; identification and preliminary diagnosis of diseases and injuries; communication and computer operations; basic anatomy, physiology, pathology, and toxicology; and professional standards and regulations.

Demand: Between 2016 and 2026, the South Dakota Department of Labor and Regulation projects that each year South Dakota will need an average of 72 EMTs and Paramedics per year.

Occupational Title	2016 Workers	2026 Workers	Numeric Change	Percent Change	Average Annual Openings
Emergency Medical Technicians and Paramedics	985	1,099	114	11.6%	72

The Workforce and Supply information for Emergency Medical Technicians and Paramedics is separated below.

EMT Current Workforce Information: The statewide median age of EMTs is 49 years and 60.8% of EMTs are age 45 or older. The percent of EMTs age 45 and older is greater or equal to 50% in all seven regions of the state.

EMTs Current Workforce Distribution by Age and Geographic Region:

Region	Number	Mean/Average Age	Standard Deviation	Median	Percent Age 45 and older	Percent Age 60 and older
1	22	44.8	15.0	48	54.5	18.2
2	6	38.5	14.0	38	50.0	-
3	10	48.9	12.1	50	70.0	20.0
4	46	45.3	14.3	46	50.0	17.4
5	23	52.7	12.9	56	73.9	39.1
6	21	52.9	10.2	54	81.0	33.3
7	35	48.4	12.6	50	57.1	14.3
Not SD*	23	47.1	12.3	47	60.9	21.7
Total	186	47.8	13.3	49	60.8	21.5

*Licensure/certification data included individuals with addresses not located in South Dakota.

Emergency Medical Technicians: Age on 1/1/2018
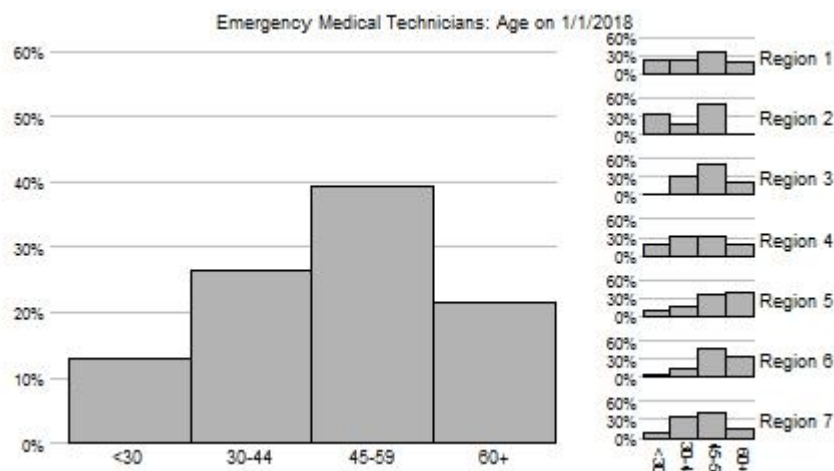
Paramedics Current Workforce Information: The statewide median age of Paramedics is 37 years and 33.2% of Paramedics are age 45 or older.

Paramedics Current Workforce Distribution by Age and Geographic Region:

Region	Number	Mean/Average Age	Standard Deviation	Median	Percent Age 45 and older	Percent Age 60 and older
1	35	41.7	12.4	43	48.6	5.7
2	143	39.2	10.4	38	35.7	2.8
3	65	39.2	13.4	37	38.5	9.2
4	41	39.8	12.9	37	36.6	12.2
5	56	38.6	11.4	37	23.2	5.4
6	30	44.9	13.8	46	50.0	16.7
7	133	38.4	10.0	38	29.3	2.3
Not SD*	142	38.7	10.2	36	27.5	3.5
Total	645	39.3	11.2	37	33.2	5.1

*Licensure/certification data included individuals with addresses not located in South Dakota.

Paramedics: Age on 1/1/2018
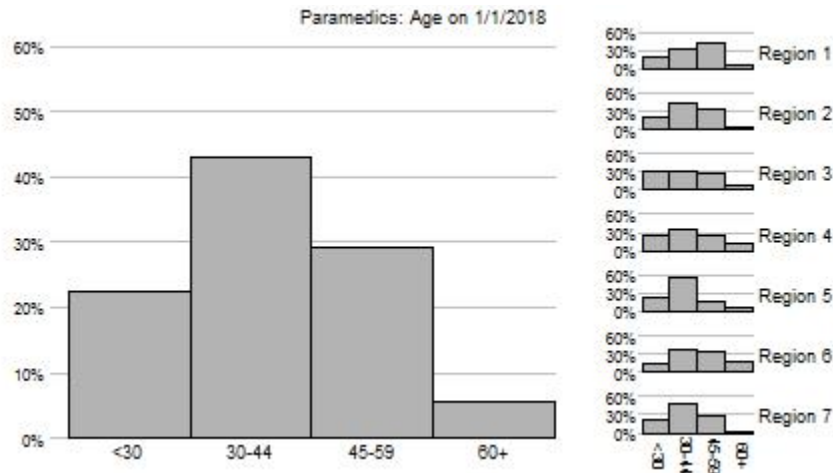
Supply: Training for EMTs and Paramedics is provided through hospital and community education programs located throughout the state.

Health Information Administrators

Description: A program that prepares individuals to plan, design, and manage systems, processes, and facilities used to collect, store, secure, retrieve, analyze, and transmit medical records and other health information used by clinical professionals and health care organizations. Includes instruction in the principles and basic content of the biomedical and clinical sciences, information technology and applications, data and database management, clinical research methodologies, health information resources and systems, office management, legal requirements, and professional standards.

Demand: The South Dakota Department of Labor and Regulation data does not include updated projections specific to Health Information Administrators for the 2016 to 2026 timeframe.

Current Workforce Information: Information on the age and geographic distribution of the current Health Information Administrator workforce was not available.

Supply: During the 2016-2017 academic year there were 9 graduates reported from Health Information Administrator programs in South Dakota.

Licensed Practical Nurses (LPNs)

Description: LPNs are individuals that assist in providing general nursing care under the supervision of a registered nurse, physician or dentist. LPNs perform nursing care, treatments, and observations for individuals. LPNs may assist with health counseling and teaching, and administration and delegation of medications.

Demand: Between 2016 and 2026, the South Dakota Department of Labor and Regulation projects that each year South Dakota will need an average of 135 Licensed Practical Nurses per year.

Occupational Title	2016 Workers	2026 Workers	Numeric Change	Percent Change	Average Annual Openings
Licensed Practical Nurses	1,851	1,892	41	2.2%	135

Current Workforce Information: The statewide median age of Licensed Practical Nurses is 42 years and 46.4% of Licensed Practical Nurses are age 45 or older. The percent of Licensed Practical Nurses age 45 and older is greater than 50% in five of the seven regions of the state.

Current Workforce Distribution by Age and Geographic Region:

Region	Number	Mean/Average Age	Standard Deviation	Median	Percent Age 45 and older	Percent Age 60 and older
1	212	50.7	13.7	55	64.6	34.9
2	704	42.6	14.9	39	42.6	19.0
3	303	44.7	15.2	44	49.5	22.8
4	126	46.8	13.4	46	54.8	24.6
5	220	47.8	13.9	48	58.2	27.7
6	104	50.4	13.9	54	64.4	33.7
7	355	46.8	13.9	47	54.4	23.4
Not SD*	580	36.9	13.3	33	28.3	7.4
Total	2604	43.8	14.8	42	46.4	20.4

*Licensure/certification data included individuals with addresses not located in South Dakota.

Licensed Practical Nurses (LPNs): Age on 1/1/2018
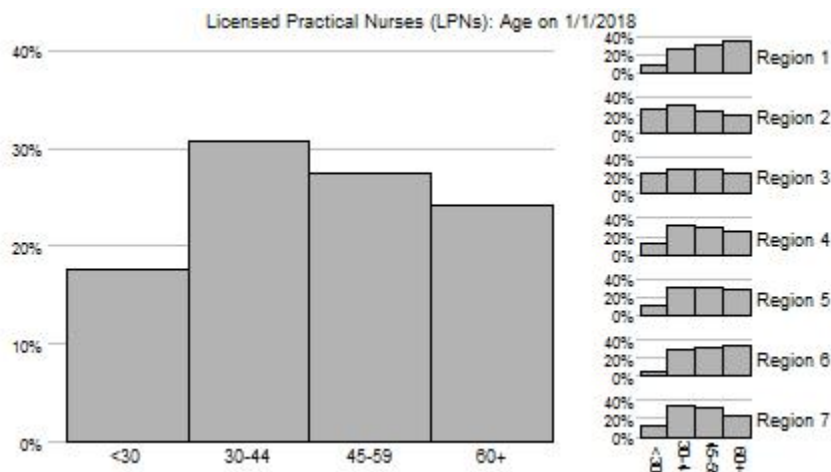
Supply: During the 2016-2017 academic year, there were 211 individuals who completed Licensed Practical Nurse programs. For more information on the nursing workforce please refer to the South Dakota Board of Nursing reports located at:
https://doh.sd.gov/boards/nursing/Reports/2017SDNsgWorkForceReport.pdf
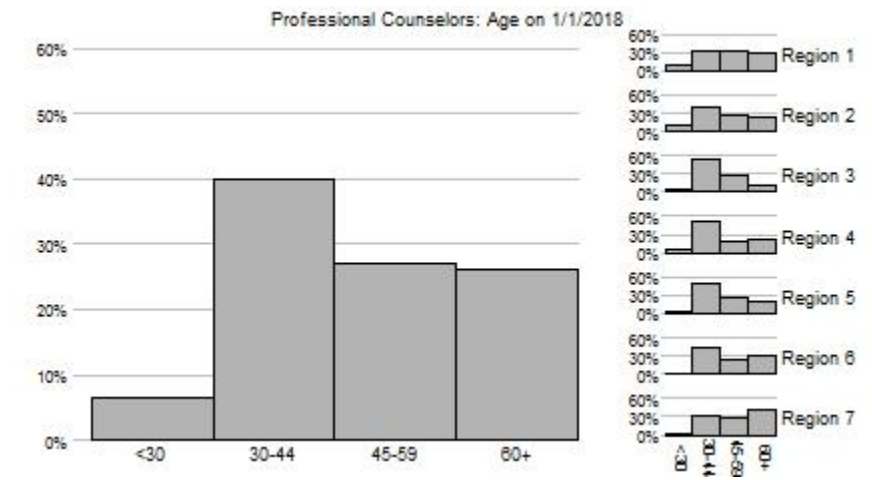
Licensed Professional Counselors

Description: Licensed professional counselors (LPCs) are master's-degreed counseling service providers, trained to work with individuals, families, and groups in treating mental, behavioral, and emotional problems and disorders. LPCs make up a large percentage of the workforce employed in community mental health centers, agencies, and organizations.

Demand: The South Dakota Department of Labor and Regulation data does not include updated projections specific to Licensed Professional Counselors for the 2016 to 2026 timeframe.

Current Workforce Information: The statewide median age of Licensed Professional Counselors is 46 years and 52.5% are age 45 or older.

Current Workforce Distribution by Age and Geographic Region:

Region	Number	Mean/Average Age	Standard Deviation	Median	Percent Age 45 and older	Percent Age 60 and older
1	65	48.5	13.5	50	60.0	27.7
2	170	46.6	13.6	45	50.6	24.1
3	35	43.1	11.4	40	40.0	11.4
4	35	46.5	13.5	43	42.9	22.9
5	30	46.0	11.7	42	46.7	20.0
6	16	49.7	11.7	50	56.2	31.2
7	73	52.3	12.9	53	67.1	39.7
Not SD*	61	46.7	11.9	44	46.7	16.7
Total	485	47.5	13.1	46	52.5	25.0

Professional Counselors: Age on 1/1/2018

Supply: Licensed Professional Counselors (LPC) must have graduated from a CACREP program or a 48-hour master's degree in counseling from an accredited institution, pass the National Counselor Examination for Licensure and Certification, and fulfill required supervision requirements. During the 2016-2017 academic year, there were 81 students who completed master's degree programs that satisfy the educational requirements for an LPC.

Licensed Professional Counselors – Mental Health

Description: Licensed professional counselors (LPCs) are master's-degreed mental health service providers, trained to work with individuals, families, and groups in treating mental, behavioral, and emotional problems and disorders. LPCs make up a large percentage of the workforce employed in community mental health centers, agencies, and organizations.

Demand: Between 2016 and 2026, the South Dakota Department of Labor and Regulation projects that each year South Dakota will need an average of 63 Mental Health Counselors per year.

Occupational Title	2016 Workers	2026 Workers	Numeric Change	Percent Change	Average Annual Openings
Mental Health Counselors	499	574	75	1.4%	63

Current Workforce Information: The statewide median age of Mental Health Counselors is 48 years and 59.5% are age 45 or older.

Current Workforce Distribution by Age and Geographic Region:

Region	Number	Mean/Average Age	Standard Deviation	Median	Percent Age 45 and older	Percent Age 60 and older
1	34	50.9	12.3	50	70.6	26.5
2	106	45.3	10.7	43	49.1	11.3
3	23	47.1	11.5	46	56.5	21.7
4	16	48.8	11.0	50	56.2	12.5
5	28	48.4	10.9	47	60.7	21.4
6	9	45.4	10.1	43	44.4	22.2
7	52	52.7	11.4	53	73.1	36.5
Not SD*	23	50.0	9.2	49	69.6	13.0
Total	291	48.3	11.2	48	59.5	19.9

Professional Mental Health Counselors: Age on 1/1/2018
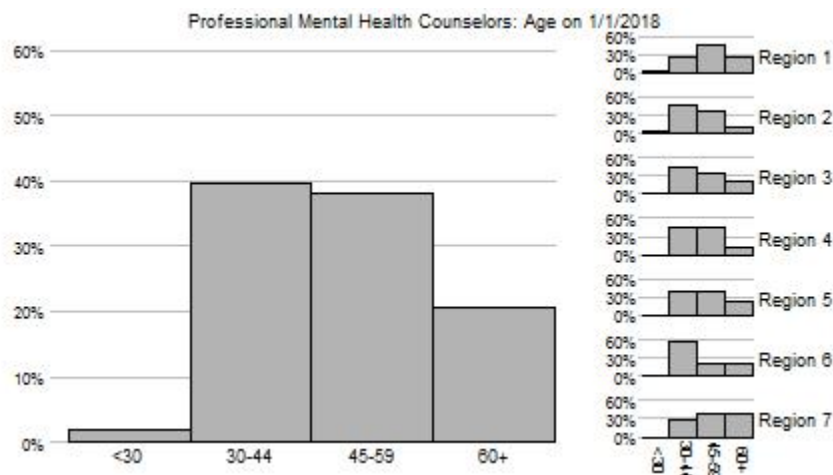
Supply: Data on the number of graduates that pursued a LPC with a mental health specialization is not known.

Licensed Marriage and Family Therapists

Description: A program that prepares individuals for the professional practice of marriage and family therapy, involving the diagnosis of cognitive, affective, and behavioral domain disorders, both mental and emotional, within the context of marriage and family systems and the application of short- and long-term therapeutic strategies in family group contexts. Includes instruction in psychotherapy, family systems and studies, small group intervention and therapy, marital problems, depression, identification of psychopathologies and behavioral disorders, holistic health care, practice management, applicable regulations, and professional standards and ethics.

Demand: Between 2016 and 2026, the South Dakota Department of Labor and Regulation projects that each year South Dakota will need an average of 15 Licensed Marriage and Family Therapists per year.

Occupational Title	2016 Workers	2026 Workers	Numeric Change	Percent Change	Average Annual Openings
Marriage and Family Therapists	135	146	11	8.2%	15

Current Workforce Information: The statewide median age of Licensed Professional Counselors is 59 years and 76.3% are age 45 or older.

Current Workforce Distribution by Age and Geographic Region:

Region	Number	Mean/Average Age	Standard Deviation	Median	Percent Age 45 and older	Percent Age 60 and older
1	10	58.8	18.2	56	70.0	50.0
2	49	56.3	12.3	59	79.6	46.9
3	5	52.6	18.0	63	60.0	60.0
4	4	62.2	7.6	64	100.0	50.0
5	3	62.3	4.0	63	100.0	66.7
6	-	-	-	-	-	-
7	10	59.5	11.5	64	80.0	70.0
Not SD*	12	52.5	12.8	54	58.3	33.3
Total	93	56.7	12.9	59	76.3	49.5

*Licensure/certification data included individuals with addresses not located in South Dakota.

Marriage and Family Therapists: Age on 1/1/2018
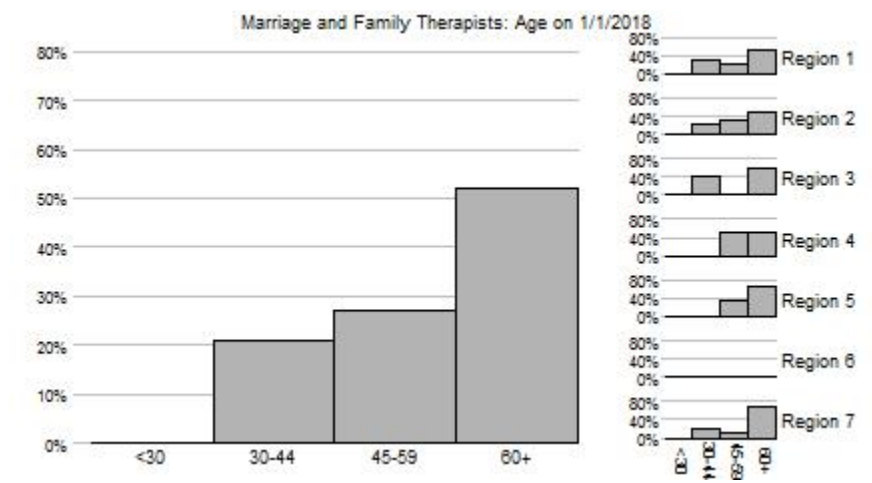
Supply: Licensed Marriage and Family Therapists (LMFT) must have graduated from a program meeting the standards of the American Association for Marriage and Family Therapy. Data specific to graduates from marriage and family counseling programs was not available through the Board of Regents web database.

Massage Therapists

Description: A program that prepares individuals to provide relief and improved health and well-being to clients through the application of manual techniques for manipulating skin, muscles, and connective tissues. Includes instruction in Western (Swedish) massage, sports massage, myotherapy/trigger point massage, myofascial release, deep tissue massage, cranio-sacral therapy, reflexology, massage safety and emergency management, client counseling, practice management, applicable regulations, and professional standards and ethics.

Demand: Between 2016 and 2026, the South Dakota Department of Labor and Regulation projects that each year South Dakota will need an average of 20 Massage Therapists per year.

Occupational Title	2016 Workers	2026 Workers	Numeric Change	Percent Change	Average Annual Openings
Massage Therapists	143	179	36	25.2%	20

Current Workforce Information: The statewide median age of Massage Therapists is 40 years and 38.7% of Massage Therapists are age 45 or older.

Current Workforce Distribution by Age and Geographic Region:

Region	Number	Mean/Average Age	Standard Deviation	Median	Percent Age 45 and older	Percent Age 60 and older
1	102	44.1	13.8	42	45.1	13.7
2	238	40.4	13.0	37	33.3	11.4
3	97	42.1	13.6	40	37.1	10.3
4	91	42.0	14.8	39	40.7	14.3
5	72	43.5	13.9	40	40.3	18.1
6	42	42.0	14.8	42	39.0	12.2
7	198	43.6	13.5	42	39.4	18.7
Not SD*	58	44.1	14.5	44	44.8	15.5
Total	898	42.4	13.7	40	38.7	14.3

*Licensure/certification data included individuals with addresses not located in South Dakota.

Massage Therapists: Age on 1/1/2018
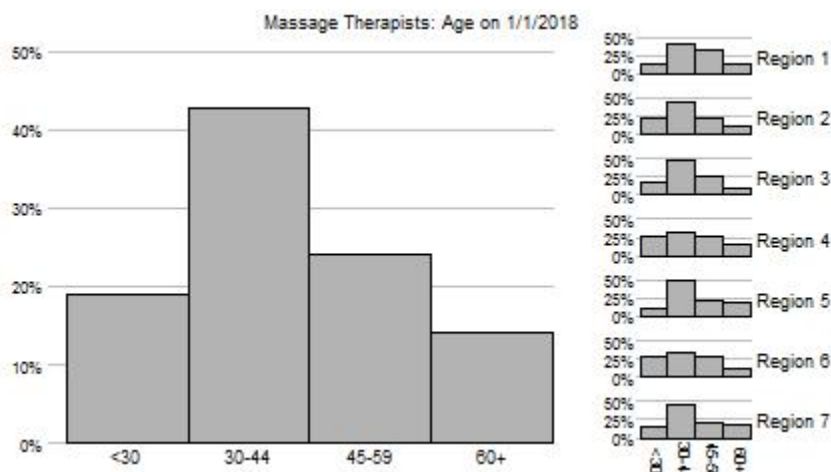
Supply: During the 2016-2017 academic year, there were 23 graduates reported from Massage Therapy programs in South Dakota.

Medical and Clinical Laboratory Technicians

Description: A program that prepares individuals, under the supervision of clinical laboratory scientists/medical technologists, to perform routine medical laboratory procedures and tests and to apply preset strategies to record and analyze data. Includes instruction in general laboratory procedures and skills; laboratory mathematics; medical computer applications; interpersonal and communications skills; and the basic principles of hematology, medical microbiology, immunohematology, immunology, clinical chemistry, and urinalysis.

Demand: Between 2016 and 2026, the South Dakota Department of Labor and Regulation projects that each year South Dakota will need an average of 28 Medical and Clinical Laboratory Technicians per year.

Occupational Title	2016 Workers	2026 Workers	Numeric Change	Percent Change	Average Annual Openings
Medical and Clinical Laboratory Technicians	377	414	37	9.8%	28

Current Workforce Information: Information on the age and geographic distribution of the current Medical and Clinical Laboratory Technician workforce was not available.

Supply: During the 2016-2017 academic year, there were 17 graduates reported from Medical and Clinical Laboratory Technician programs in South Dakota.

Medical and Clinical Laboratory Technologists

Description: A program that prepares individuals to conduct and supervise complex medical tests, clinical trials, and research experiments; manage clinical laboratories; and consult with physicians and clinical researchers on diagnoses, disease causation and spread, and research outcomes. Includes instruction in the theory and practice of hematology, clinical chemistry, microbiology, immunology, immunohematology, physiological relationships to test results, laboratory procedures and quality assurance controls, test and research design and implementation, analytic techniques, laboratory management, data development and reporting, medical informatics, and professional standards and regulations.

**Demand**: Between 2016 and 2026, the South Dakota Department of Labor and Regulation projects that each year South Dakota will need an average of 55 Medical and Clinical Laboratory Technologists per year.

Occupational Title	2016 Workers	2026 Workers	Numeric Change	Percent Change	Average Annual Openings
Medical and Clinical Laboratory Technologists	775	847	72	9.3%	55

Current Workforce Information: Information on the age and geographic distribution of the current Medical and Clinical Laboratory Technologist workforce was not available.

Supply: During the 2016-2017 academic year, there were 33 graduates reported from Medical and Clinical Laboratory Technologist programs in South Dakota under the Board of Regents schools.

Medical Assistants

Description: A program that prepares individuals, under the supervision of physicians, physician assistants, nurse practitioners and nurse midwives, to provide medical office administrative services and perform clinical duties including patient intake and care, routine diagnostic and recording procedures, pre-examination and examination assistance, and the administration of medications and first aid. Includes instruction in basic anatomy and physiology; medical terminology; medical law and ethics; patient psychology and communications; medical office procedures; and clinical diagnostic, examination, testing, and treatment procedures.

Demand: Between 2016 and 2026, the South Dakota Department of Labor and Regulation projects that each year South Dakota will need an average of 139 Medical Assistants per year.

Occupational Title	2016 Workers	2026 Workers	Numeric Change	Percent Change	Average Annual Openings
Medical Assistants	1,036	1,230	194	18.7%	139

Current Workforce Information: The statewide median age of Medical Assistants is 36 years and 27.8% of Medical Assistants are age 45 or older.

Current Workforce Distribution by Age and Geographic Region:

Region	Number	Mean/Average Age	Standard Deviation	Median	Percent Age 45 and older	Percent Age 60 and older
1	66	36.6	12.2	35	27.3	4.5
2	146	38.5	11.0	37	28.3	2.8
3	50	39.2	15.7	34	32.0	16.0
4	21	41.6	12.3	37	38.1	9.5
5	33	35.4	13.3	34	24.2	6.1
6	13	37.2	14.7	31	38.5	0.0
7	50	38.1	11.7	38	28.0	2.0
Not SD*	187	37.2	11.4	36	25.1	2.7
Total	566	37.8	12.1	36	27.8	4.4

*Licensure/certification data included individuals with addresses not located in South Dakota.

Medical Assistants: Age on 1/1/2018
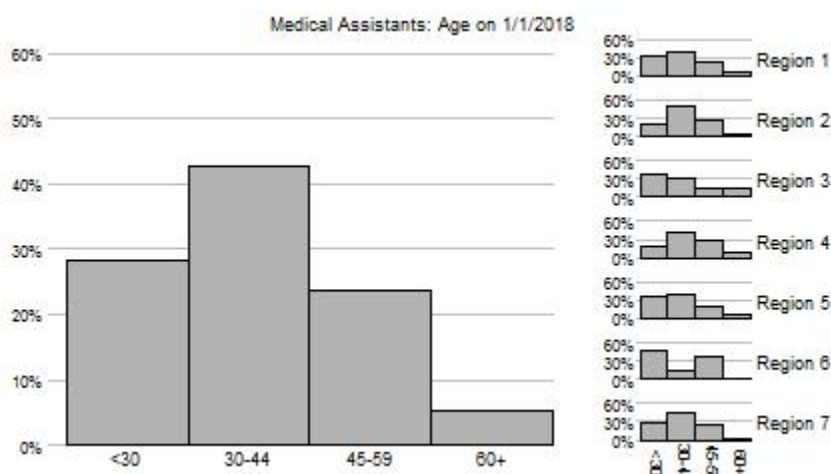
Supply: During the 2016-2017 academic year, there were 52 program completers reported from Medical Assistant programs in the state.

Medical Records and Health Information Technicians

Description: A program that prepares individuals, under the supervision of health information administrators and other professionals, to construct medical records and clinical databases, perform manipulations on retrieved data, control the security and quality of records, and supervise data entry and technical maintenance personnel. Includes instruction in clinical and biomedical science data and information requirements, database management, data coding and validation, information security, quality control, health information content and structure, medical business procedures, and legal requirements.

**Demand**: Between 2016 and 2026, the South Dakota Department of Labor and Regulation projects that each year South Dakota will need an average of 79 Medical Records and Health Information Technicians per year.

Occupational Title	2016 Workers	2026 Workers	Numeric Change	Percent Change	Average Annual Openings
Medical Records and Health Information Technicians	1,099	1,211	112	10.2%	79

Current Workforce Information: Information on the age and geographic distribution of the current Medical Records and Health Information Technician workforce was not available.

Supply: During the 2016-2017 academic year, there were 16 graduates reported from Health Information Technology programs in South Dakota under the Board of Regents schools.

Nurse Anesthetists (CRNAs)

Description: CRNAs are advanced practice registered nurses that work in hospital operating rooms and out-patient surgical settings. Their advanced education in pharmacology, assessment, and pathophysiology prepares them to manage patients before, during and after anesthesia including assessing and administering anesthetic medications, managing pain, and intervening in emergency patient situations.

Demand: Between 2016 and 2026, the South Dakota Department of Labor and Regulation projects that each year South Dakota will need an average of 21 Nurse Anesthetists per year.

Occupational Title	2016 Workers	2026 Workers	Numeric Change	Percent Change	Average Annual Openings
Nurse Anesthetists	338	379	41	12.1%	21

Current Workforce Information: The statewide median age of CRNAs is 45 years and 53.4% of CRNAs are age 45 or older. The percent of CRNAs age 45 and older is greater than 50% in five out of the seven regions of the state.

Current Workforce Distribution by Age and Geographic Region:

Region	Number	Mean/Average Age	Standard Deviation	Median	Percent Age 45 and older	Percent Age 60 and older
1	44	50.7	12.7	53	65.9	34.1
2	159	45.9	9.6	44	49.1	11.9
3	21	47.1	12.1	44	47.6	23.8
4	18	52.4	11.6	53	66.7	33.3
5	20	46.9	13.1	44	50.0	20.0
6	11	53.0	13.0	53	72.7	36.4
7	64	49.2	11.5	47	57.8	21.9
Not SD*	154	45.9	13.0	45	50.6	18.2
Total	491	47.3	11.8	45	53.4	19.3

*Licensure/certification data included individuals with addresses not located in South Dakota.

Nurse Anesthetists (CRNAs): Age on 1/1/2018
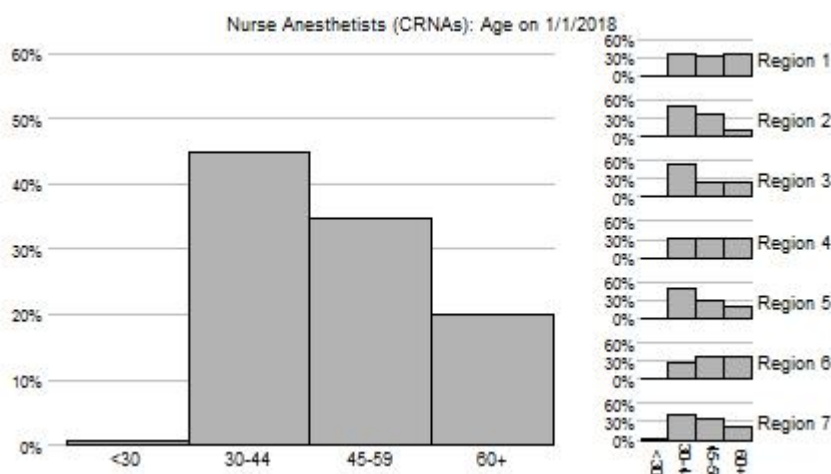
Supply: During the 2016-2017 academic year, there were 33 graduates from the CRNA program in South Dakota. For more information on the nursing workforce please refer to the South Dakota Board of Nursing reports located at: https://doh.sd.gov/boards/nursing/Reports/2017SDNsgWorkForceReport.pdf

Occupational Therapists

Description: A program that prepares individuals to assist patients limited by physical, cognitive, psychosocial, mental, developmental, and learning disabilities, as well as adverse environmental conditions, to maximize their independence and maintain optimum health through a planned mix of acquired skills, performance motivation, environmental adaptations, assistive technologies, and physical agents. Includes instruction in the basic medical sciences, psychology, sociology, patient assessment and evaluation, standardized and non-standardized tests and measurements, assistive and rehabilitative technologies, ergonomics, environmental health, special education, vocational counseling, health education and promotion, and professional standards and ethics.

Demand: Between 2016 and 2026, the South Dakota Department of Labor and Regulation projects that each year South Dakota will need an average of 26 Occupational Therapists per year.

Occupational Title	2016 Workers	2026 Workers	Numeric Change	Percent Change	Average Annual Openings
Occupational Therapists	376	447	71	18.9%	26

Current Workforce Information: The statewide median age of Occupational Therapists is 41 years and 38.4% of Occupational Therapists are age 45 or older.

Current Workforce Distribution by Age and Geographic Region:

Region	Number	Mean/Average Age	Standard Deviation	Median	Percent Age 45 and older	Percent Age 60 and older
1	51	42.4	9.8	44	43.1	3.9
2	118	42.4	9.7	44	47.5	0.8
3	28	39.9	10.5	40	35.7	3.6
4	11	41.5	11.0	42	36.4	9.1
5	25	43.4	10.7	44	44.0	12.0
6	10	37.5	8.6	40	20.0	0.0
7	48	41.3	11.7	42	43.8	6.2
Not SD*	245	39.8	11.5	38	32.7	7.3
Total	536	40.9	10.8	41	38.4	5.4

*Licensure/certification data included individuals with addresses not located in South Dakota.

Occupational Therapists: Age on 1/1/2018
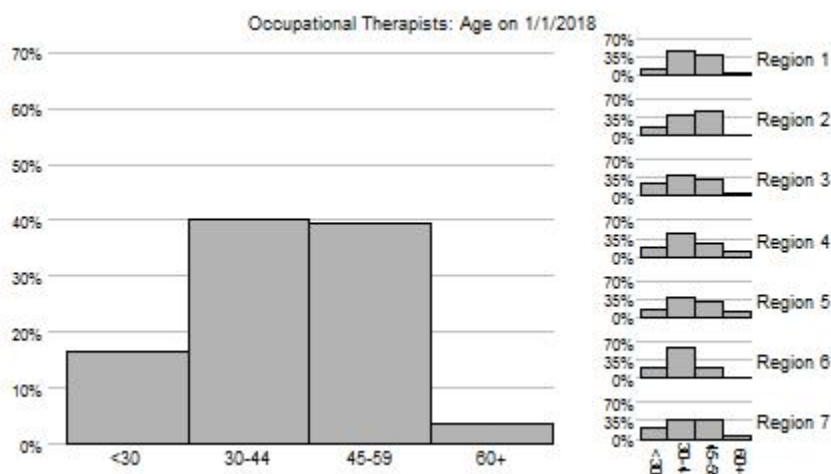
Supply: During the 2016-2017 academic year, there were 9 graduates reported from the Occupational Therapy programs in South Dakota.

Occupational Therapist Assistants

Description: A program that prepares individuals, under the supervision of occupational therapists, to direct patient participation in skill-enhancing, learning, and motivational tasks; correct or diminish pathologies; and to provide direct health education and promotion services. Includes instruction in human life span development, occupational therapy principles and practice skills, treatment planning and implementation, record-keeping and documentation, patient education and intervention, activity and program direction, and assistive services management.

Demand: The South Dakota Department of Labor and Regulation data does not include projections specific to Occupational Therapist Assistants.

Current Workforce Information: The statewide median age of Occupational Therapist Assistants is 33 years and 20.1% of Occupational Therapist Assistants are age 45 or older.

Current Workforce Distribution by Age and Geographic Region:

Region	Number	Mean/Average Age	Standard Deviation	Median	Percent Age 45 and older	Percent Age 60 and older
1	18	36.1	12.2	39	22.2	5.6
2	15	37.4	9.7	36	33.3	0.0
3	28	34.7	10.0	32	14.3	0.0
4	4	35.8	13.4	34	25.0	0.0
5	23	33.4	10.5	30	21.7	0.0
6	7	30.6	5.7	33	0.0	0.0
7	21	38.2	12.8	35	23.8	9.5
Not SD*	73	34.8	12.1	32	19.2	6.8
Total	189	35.2	11.3	33	20.1	4.2

*Licensure/certification data included individuals with addresses not located in South Dakota.

Occupational Therapist Assistants: Age on 1/1/2018
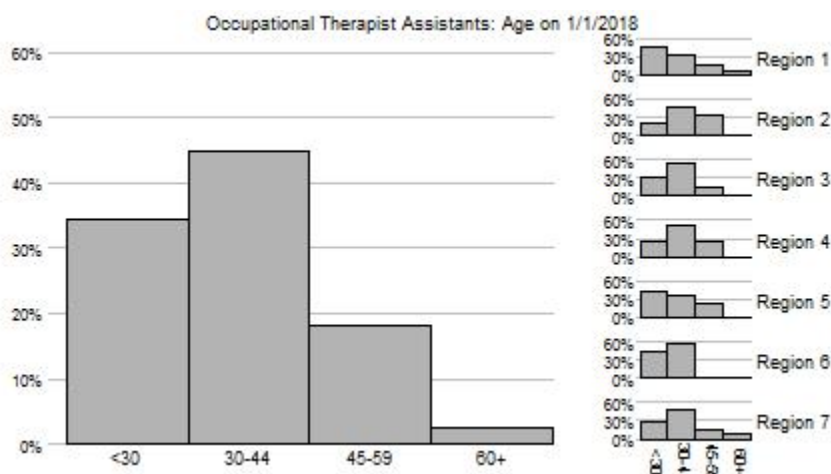
Supply: During the 2016-2017 academic year, there were 16 graduates reported from Occupational Therapist Assistants programs in South Dakota.

Optometrists

Description: A program that prepares individuals for the independent professional practice of optometry and that focuses on the principles and techniques for examining, diagnosing and treating conditions of the visual system. Includes instruction in prescribing glasses and contact lenses, other optical aids, corrective therapies, patient counseling, physician referral, practice management, and ethics and professional standards.

Demand: Between 2016 and 2026, the South Dakota Department of Labor and Regulation projects that each year South Dakota will need an average of 5 Optometrists per year.

Occupational Title	2016 Workers	2026 Workers	Numeric Change	Percent Change	Average Annual Openings
Optometrists	130	144	14	10.8%	5

Current Workforce Information: The statewide median age of Optometrists is 45 years and 50.6% of Optometrists are age 45 or older.

Current Workforce Distribution by Age and Geographic Region:

Region	Number	Mean/Average Age	Standard Deviation	Median	Percent Age 45 and older	Percent Age 60 and older
1	32	45.6	13.3	44	43.8	21.9
2	68	43.4	11.9	40	42.6	11.8
3	25	46.2	12.4	41	44.0	24.0
4	19	46.5	13.1	48	52.6	26.3
5	15	48.1	12.1	46	66.7	13.3
6	10	50.6	13.4	56	60.0	40.0
7	38	45.3	11.8	46	52.6	13.2
Not SD*	28	50.6	12.9	50	67.9	25.0
Total	235	46.0	12.5	45	50.6	18.7

*Licensure/certification data included individuals with addresses not located in South Dakota.

Optometrists: Age on 1/1/2018
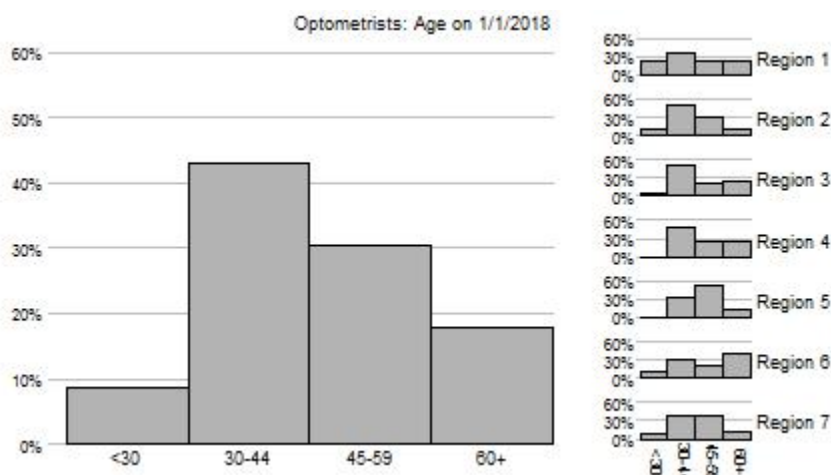
Supply: There are currently no Optometry programs in South Dakota.

Pharmacists

Description: A program that prepares individuals for the independent or employed practice of preparing and dispensing drugs and medications in consultation with prescribing physicians and other health care professionals, and for managing pharmacy practices and counseling patients. Includes instruction in mathematics, physics, chemistry, biochemistry, anatomy, physiology, pharmacology, pharmaceutical chemistry, pharmacognosy, pharmacy practice, pharmacy administration, applicable regulations, and professional standards and ethics.

Demand: Between 2016 and 2026, the South Dakota Department of Labor and Regulation projects that each year South Dakota will need an average of 61 Pharmacists per year.

Occupational Title	2016 Workers	2026 Workers	Numeric Change	Percent Change	Average Annual Openings
Pharmacists	1,248	1,308	60	4.8%	61

Current Workforce Information: The statewide median age of Pharmacists is 40 years and 41.3% of Pharmacists are age 45 or older.

Current Workforce Distribution by Age and Geographic Region:

Region	Number	Mean/Average Age	Standard Deviation	Median	Percent Age 45 and older	Percent Age 60 and older
1	133	45.2	13.3	43	47.4	18.8
2	543	41.0	11.5	38	33.9	9.8
3	110	44.3	12.6	45	50.9	17.3
4	55	41.2	12.4	41	41.8	9.1
5	81	44.6	12.9	46	50.6	18.5
6	51	43.9	15.7	38	41.2	19.6
7	158	44.7	13.0	42	48.7	14.6
Not SD	6	55.3	11.8	52	83.3	33.3
Total	1137	42.8	12.5	40	41.3	13.4

Pharmacists: Age on 1/1/2018
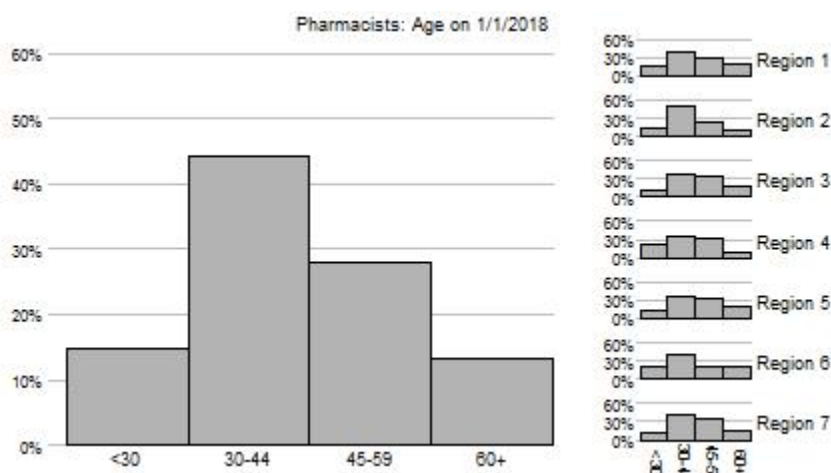
Supply: During the 2016-2017 academic year there were 72 graduates reported from the Pharmacy programs in South Dakota.

Pharmacy Technicians

Description: A program that prepares individuals, under the supervision of pharmacists, to prepare medications, provide medications and related assistance to patients, and manage pharmacy clinical and business operations. Includes instruction in medical and pharmaceutical terminology, principles of pharmacology and pharmaceutics, drug identification, pharmacy laboratory procedures, prescription interpretation, patient communication and education, safety procedures, record-keeping, measurement and testing techniques, pharmacy business operations, prescription preparation, logistics and dispensing operations, and applicable standards and regulations.

Demand: Between 2016 and 2026, the South Dakota Department of Labor and Regulation projects that each year South Dakota will need an average of 110 Pharmacy Technicians per year.

Occupational Title	2016 Workers	2026 Workers	Numeric Change	Percent Change	Average Annual Openings
Pharmacy Technicians	1,238	1,345	107	8.6%	110

Current Workforce Information: Information on the age and geographic distribution of the current Pharmacy Technician workforce was not available.

Supply: During the 2016-2017 academic year there were 15 graduates reported from Pharmacy Technician programs in South Dakota.

Physical Therapist Assistants

Description: A program that prepares individuals, under the supervision of a physical therapist, to implement physical therapy treatment care plans, train patients, conduct treatment interventions, use equipment, and observe and record patient progress. Includes instruction in applied anatomy and physiology, applied kinesiology, principles and procedures of physical therapy, basic neurology and orthopedics, physical therapy modalities, documentation skills, psychosocial aspects of health care, wound and injury care, electrotherapy, working with orthotics and prostheses, and personal and professional ethics.

Demand: Between 2016 and 2026, the South Dakota Department of Labor and Regulation projects that each year South Dakota will need an average of 33 Physical Therapist Assistants per year.

Occupational Title	2016 Workers	2026 Workers	Numeric Change	Percent Change	Average Annual Openings
Physical Therapist Assistants	219	264	45	20.6%	33

Current Workforce Information: The statewide median age of Physical Therapist Assistants is 33 years and 18.5% of Physical Therapist Assistants are age 45 or older.

Current Workforce Distribution by Age and Geographic Region:

Region	Number	Mean/Average Age	Standard Deviation	Median	Percent Age 45 and older	Percent Age 60 and older
1	35	34.2	10.9	32	14.3	2.9
2	33	35.0	10.7	33	15.2	6.1
3	66	35.3	9.2	35	15.2	1.5
4	8	44.9	17.8	46	50.0	25.0
5	26	35.0	11.6	32	11.5	11.5
6	17	37.3	11.7	35	23.5	5.9
7	22	33.9	10.3	30	13.6	4.5
Not SD*	145	34.9	11.6	31	21.4	2.1
Total	352	35.2	11.1	33	18.5	4.0

*Licensure/certification data included individuals with addresses not located in South Dakota.

Physical Therapist Assistants: Age on 1/1/2018
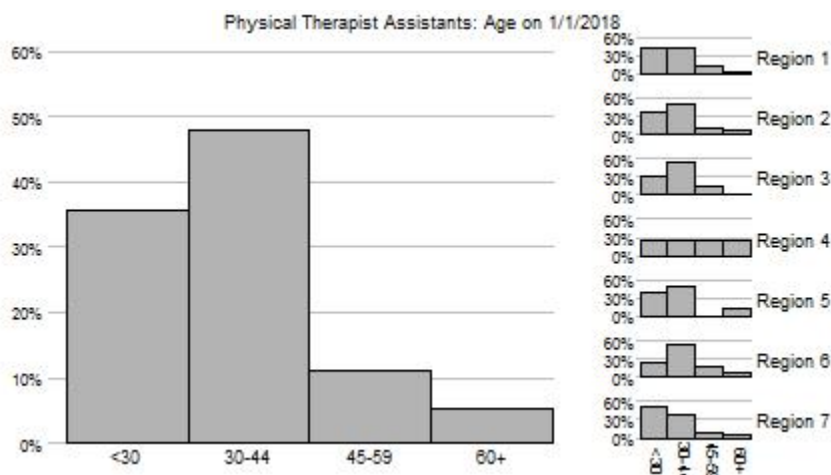
Supply: During the 2016-2017 academic year, there were 24 graduates reported from the Physical Therapy Assistant program in South Dakota.

Physical Therapists

Description: A program that prepares individuals to alleviate physical and functional impairments and limitations caused by injury or disease through the design and implementation of therapeutic interventions to promote fitness and health. Includes instruction in functional anatomy and physiology, kinesiology, neuroscience, pathological physiology, analysis of dysfunction, movement dynamics, physical growth process, management of musculoskeletal disorders, clinical evaluation and measurement, client assessment and supervision, care plan development and documentation, physical therapy modalities, rehabilitation psychology, physical therapy administration, and professional standards and ethics.

Demand: Between 2016 and 2026, the South Dakota Department of Labor and Regulation projects that each year South Dakota will need an average of 51 Physical Therapists per year.

Occupational Title	2016 Workers	2026 Workers	Numeric Change	Percent Change	Average Annual Openings
Physical Therapists	798	955	157	19.7%	51

Current Workforce Information: The statewide median age of Physical Therapists is 41 years and 40.1% of Physical Therapists are age 45 or older.

Current Workforce Distribution by Age and Geographic Region:

Region	Number of Physical Therapists	Mean/Average Age	Standard Deviation	Median	Percent Age 45 and older	Percent Age 60 and older
1	104	41.7	10.8	40	40.4	5.8
2	188	44.1	11.3	44	49.5	6.9
3	78	42.2	9.2	43	42.3	5.1
4	48	42.9	11.0	40	43.8	10.4
5	56	42.1	9.3	44	41.1	5.4
6	26	42.2	10.4	43	38.5	3.8
7	100	44.7	11.3	45	50.0	10.0
Not SD*	509	39.9	11.7	36	34.0	6.5
Total	1109	41.7	11.3	41	40.1	6.8

*Licensure/certification data included individuals with addresses not located in South Dakota.

Physical Therapists: Age on 1/1/2018
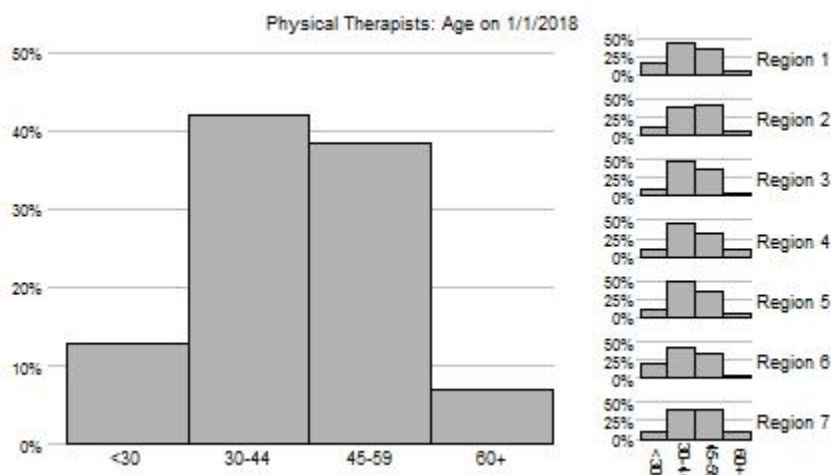
Supply: During the 2016-2017 academic year there were 26 graduates reported from the Physical Therapy program in South Dakota.

Physician Assistants

Description: A program that prepares individuals to practice medicine, including diagnoses and treatment therapies, under the supervision of a physician. Includes instruction in the basic medical and clinical sciences and specialized preparation in fields such as family medicine, pediatrics, obstetrics, gynecology, general surgery, psychiatry, and behavioral medicine; the delivery of health care services to homebound patients, rural populations, and underserved populations; and community health services.

Demand: Between 2016 and 2026, the South Dakota Department of Labor and Regulation projects that each year South Dakota will need an average of 45 Physician Assistants per year.

Occupational Title	2016 Workers	2026 Workers	Numeric Change	Percent Change	Average Annual Openings
Physician Assistants	529	666	137	25.9%	45

Current Workforce Information: The statewide median age of Physician Assistants is 40 years and 42.5% of Physician Assistants are age 45 or older.

Current Workforce Distribution by Age and Geographic Region:

Region	Number	Mean/Average Age	Standard Deviation	Median	Percent Age 45 and older	Percent Age 60 and older
1	78	43.9	11.6	43	46.2	11.5
2	160	40.7	11.5	38	34.4	7.5
3	45	45.6	13.2	45	51.1	17.8
4	36	46.1	11.6	44	50.0	19.4
5	46	46.9	12.9	51	58.7	15.2
6	27	50.8	15.5	51	66.7	33.3
7	72	43.2	12.2	41	37.5	12.5
Not SD*	183	41.8	12.9	36	38.8	12.0
Total	647	43.2	12.6	40	42.5	12.8

*Licensure/certification data included individuals with addresses not located in South Dakota.

Physician Assistants: Age on 1/1/2018
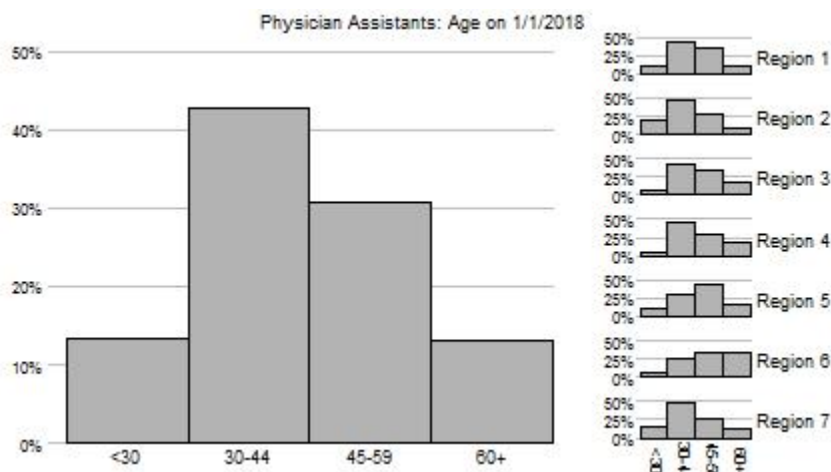
Supply: During the 2016-2017 academic year there were 23 graduates reported from the Physician Assistant program in South Dakota.

Physicians

Description: A program that prepares individuals for the independent professional practice of medicine, involving the prevention, diagnosis, and treatment of illnesses, injuries, and other disorders of the human body. Includes instruction in the basic medical sciences, clinical medicine, examination and diagnosis, patient communications, medical ethics and law, professional standards, and rotations in specialties such as internal medicine, surgery, pediatrics, obstetrics and gynecology, orthopedics, neurology, ophthalmology, radiology, clinical pathology, anesthesiology, family medicine, and psychiatry.

Demand: Between 2016 and 2026, the South Dakota Department of Labor and Regulation projects that each year South Dakota will need an average of 14 Family and General Practitioners and 12 Surgeons per year. See the table below for projections on other Physician/Medical specialties.

Occupational Title	2016 Workers	2026 Workers	Numeric Change	Percent Change	Average Annual Openings
Anesthesiologists	39	41	2	5.1%	1
Family and General Practitioners	470	494	24	5.1%	14
Internists, General	208	221	13	6.3%	6
Obstetricians and Gynecologists	71	74	3	4.2%	2
Pediatricians, General	46	48	2	4.4%	1
Physicians and Surgeons, All Other	447	467	20	4.5%	14
Psychiatrists	32	32	0	0.0%	0
Surgeons	381	400	19	5.0%	12

Current Workforce Information: The statewide median age of Physicians is 51 years and 64.6% of Physicians are age 45 or older. The percent of Physicians age 45 and older is greater than 52% in all seven regions of the state.

Current Workforce Distribution by Age and Geographic Region:

Region	Number	Mean/Average Age	Standard Deviation	Median	Percent Age 45 and older	Percent Age 60 and older
1	305	50.2	12.5	49	59.3	28.9
2	1114	47.6	11.7	46	52.7	18.9
3	172	51.4	13.2	52	63.4	33.7
4	92	52.0	12.4	52	67.4	29.3
5	169	51.3	12.0	53	65.1	28.4
6	73	51.7	12.8	53	63.0	32.9
7	447	51.1	12.0	51	67.1	25.7
Not SD*	2080	53.1	12.2	53	71.3	32.2
Total	4452	51.1	12.3	51	64.6	27.8

*Licensure/certification data included individuals with addresses not located in South Dakota.

Physicians: Age on 1/1/2018
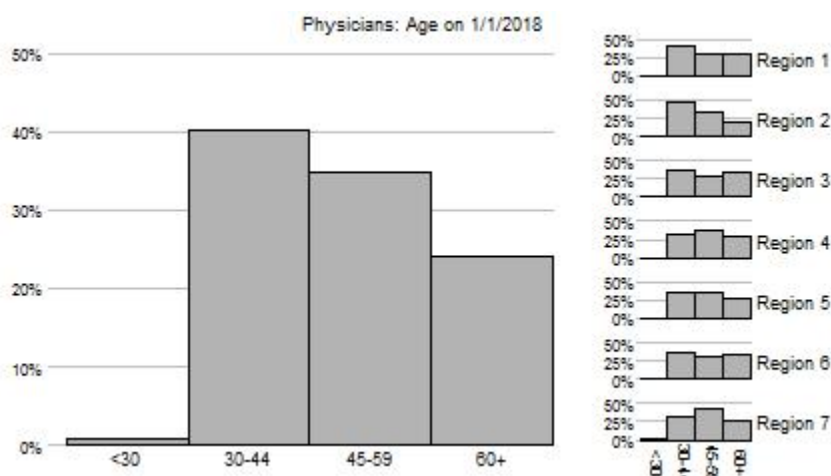
Supply: During the 2016-2017 academic year, there were 52 graduates reported from the Physician program in South Dakota.

Psychologists

Description: A general program that focuses on the scientific study of individual and collective behavior, the physical and environmental bases of behavior, and the analysis and treatment of behavior problems and disorders. Includes instruction in the principles of the various subfields of psychology, research methods, and psychological assessment and testing methods.

Demand: Between 2016 and 2026, the South Dakota Department of Labor and Regulation projects that each year South Dakota will need an average of 30 Psychologists per year.

Occupational Title	2016 Workers	2026 Workers	Numeric Change	Percent Change	Average Annual Openings
Clinical, Counseling, and School Psychologists	353	390	37	10.5%	27
Psychologists, All Other	47	49	2	4.3%	3

Current Workforce Information: Information on the age and geographic distribution of the current Psychologist workforce was not available.

Supply: During the 2016-2017 academic year, there were 81 master level graduates and 21 doctoral level graduates reported from Psychology programs in South Dakota under the Board of Regents schools.

Radiology

Description:
Radiologic Technologists and Technicians: A program that prepares individuals, under the supervision of physicians, to provide medical imaging services to patients and attending health care professionals. Includes instruction in applied anatomy and physiology, patient positioning, radiographic technique, radiation biology, safety and emergency procedures, equipment operation and maintenance, quality assurance, patient education, and medical imaging/radiologic services management.

Medical Radiologic Technology/Science-Radiation Therapists: A program that prepares individuals to administer prescribed courses of radiation treatment, manage patients undergoing radiation therapy, and maintain pertinent records. Includes instruction in applied anatomy and physiology, oncologic pathology, radiation biology, radiation oncology procedures and techniques, radiation dosimetry, tumor localization, treatment planning, patient communication and management, data collection, record-keeping, and applicable standards and regulations.

Demand: Between 2016 and 2026, the South Dakota Department of Labor and Regulation projects that each year South Dakota will need an average of 56 Radiologic Technologists and Technicians per year.

Occupational Title	2016 Workers	2026 Workers	Numeric Change	Percent Change	Average Annual Openings
Radiologic Technologists and Technicians	874	962	88	10.1%	56

Current Workforce Information: Information on the age and geographic distribution of the current Radiology workforce was not available.

Supply: During the 2016-2017 academic year, there were 85 graduates reported from the Radiologic Technologists and Technicians programs in South Dakota.

Registered Nurses (RNs)

Description: The preparation and practice of RNs requires substantial specialized knowledge, judgment and skill based upon the principles of the biological, physiological, behavioral and sociological sciences, and for which the registered nurse bears responsibility and accountability. RNs perform assessments and nursing diagnoses of actual or potential health problems for individuals or groups, providing and administering preventative, restorative and supportive care, health teaching and counseling, case management and referral. RNs supervise, delegate, and evaluate the care performed by others.

Demand: Between 2016 and 2026, the South Dakota Department of Labor and Regulation projects that each year South Dakota will need an average of 837 Registered Nurses per year.

Occupational Title	2016 Workers	2026 Workers	Numeric Change	Percent Change	Average Annual Openings
Registered Nurses	12,334	14,052	1,718	13.9%	837

Current Workforce Information: The statewide median age of Registered Nurses is 42 years and 46.4% of Registered Nurses are age 45 or older. The percent of Registered Nurses age 45 and older is greater than 50% in six of seven regions of the state.

Current Workforce Distribution by Age and Geographic Region:

Region	Number of Registered Nurses	Mean/Average Age	Standard Deviation	Median	Percent Age 45 and older	Percent Age 60 and older
1	1579	46.8	13.5	47	54.4	21.2
2	5980	42.1	13.4	39	39.3	13.5
3	1241	45.8	13.6	45	50.2	20.4
4	629	47.4	13.0	48	56.6	20.3
5	1007	46.4	13.4	47	54.2	21.1
6	567	46.9	13.3	48	56.6	19.8
7	2262	45.6	13.3	45	50.6	20.3
Not SD*	5256	43.0	13.8	42	45.6	15.0
Total	18521	44.0	13.6	42	46.4	16.7

*Licensure/certification data included individuals with addresses not located in South Dakota.

Registered Nurses (RNs): Age on 1/1/2018
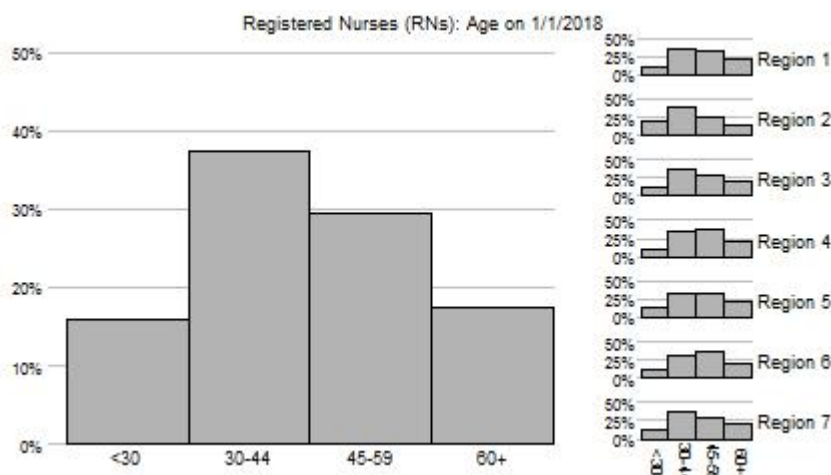
Supply: During the 2016-2017 academic year, there were 557 Registered Nursing graduates reported from South Dakota Board of Regents institutions and 323 Registered Nursing graduates reported by private educational institutions in South Dakota. See Table 2 and Table 3 for a complete breakdown. For more information on the nursing workforce please refer to the South Dakota Board of Nursing reports located at https://doh.sd.gov/boards/nursing/Reports/2017SDNsgWorkForceReport.pdf.

Respiratory Therapists

Description: A program that prepares individuals, under the supervision of physicians, to assist in developing respiratory care plans, administer respiratory care procedures, supervise personnel and equipment operation, maintain records, and consult with other health care team members. Includes instruction in the applied basic biomedical sciences; anatomy, physiology, and pathology of the respiratory system; clinical medicine; therapeutic procedures; clinical expressions; data collection and record-keeping; patient communication; equipment operation and maintenance; personnel supervision; and procedures for special population groups.

Demand: Between 2016 and 2026, the South Dakota Department of Labor and Regulation projects that each year South Dakota will need an average of 28 Respiratory Therapists per year.

Occupational Title	2016 Workers	2026 Workers	Numeric Change	Percent Change	Average Annual Openings
Respiratory Therapists	339	438	99	29.2%	28

Current Workforce Information: The statewide median age of Respiratory Therapists is 42 years and 46% of Respiratory Therapists are age 45 or older. The percent of Respiratory Therapists age 45 and older is greater than 51% in five of the seven regions.

Current Workforce Distribution by Age and Geographic Region:

Region	Number of Respiratory Therapists	Mean/Average Age	Standard Deviation	Median	Percent Age 45 and older	Percent Age 60 and older
1	32	45.2	13.9	46	53.1	18.8
2	194	45.1	12.3	46	51.5	14.9
3	26	49.5	11.9	53	69.2	19.2
4	15	44.5	10.8	45	60.0	6.7
5	30	47.3	14.1	48	56.7	23.3
6	13	47.2	15.4	55	61.5	23.1
7	59	43.5	13.8	43	47.5	16.9
Not SD*	181	39.0	12.0	36	30.9	6.6
Total	550	43.3	12.9	42	46.0	13.3

*Licensure/certification data included individuals with addresses not located in South Dakota.

Respiratory Therapists: Age on 1/1/2018
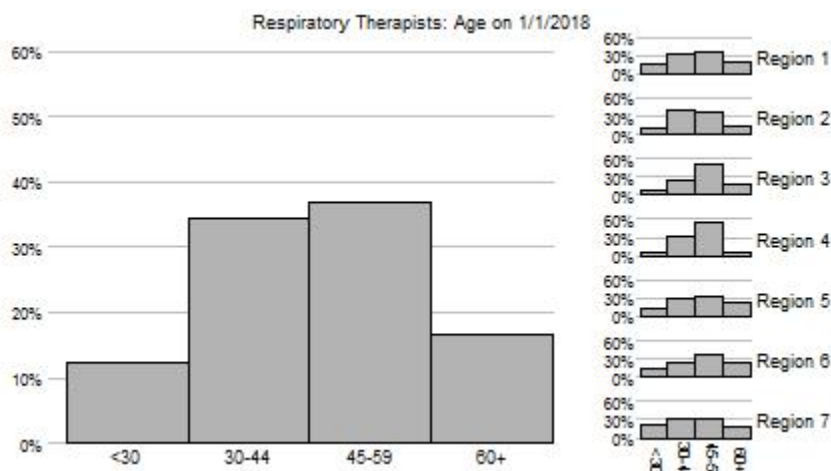
Supply: During the 2016-2017 academic year there were 19 graduates reported from Respiratory Therapy programs in South Dakota.

Social Workers

Description: A program that prepares individuals for the specialized professional practice of social work, in collaboration with other health care professionals, in hospitals and other health care facilities and organizations. Includes instruction in social work, psychiatric case work, clinical interviewing techniques, therapeutic intervention strategies, patient testing and evaluation, patient and family counseling, social rehabilitation, patient care planning, record-keeping, and support services liaison.

Demand: Between 2016 and 2026, the South Dakota Department of Labor and Regulation projects that each year South Dakota will need an average of 290 Social Workers per year.

Occupational Title	2016 Workers	2026 Workers	Numeric Change	Percent Change	Average Annual Openings
Child, Family, and School Social Workers	1,701	1,817	116	6.8%	187
Healthcare Social Workers	575	640	65	11.3%	67
Mental Health and Substance Abuse Social Workers	304	339	35	11.5%	36

Current Workforce Information: Information on the age and geographic distribution of the current Social Worker workforce was not available.

Supply: During the 2016-2017 academic year there were 92 bachelor level graduates and 40 master level graduates reported from Social Work programs in South Dakota.

Speech-Language Pathologists

Description: A program that prepares individuals to evaluate the speaking, language interpretation, and related physiological and cognitive capabilities of children and/or adults and develop treatment and rehabilitative solutions in consultation with clinicians and educators. Includes instruction in the anatomy and physiology of speech and hearing, biomechanics of swallowing and vocal articulation, communications disorders, psychology of auditory function and cognitive communication, language assessment and diagnostic techniques, and rehabilitative and management therapies.

Demand: Between 2016 and 2026, the South Dakota Department of Labor and Regulation projects that each year South Dakota will need an average of 26 Speech-Language Pathologists per year.

Occupational Title	2016 Workers	2026 Workers	Numeric Change	Percent Change	Average Annual Openings
Speech-Language Pathologists	390	438	48	12.3%	26

Current Workforce Information: Information on the age and geographic distribution of the current Speech-Language Pathologist workforce was not available.

Supply: During the 2016-2017 academic year there were 27 graduates reported from speech-language pathology programs in South Dakota.