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9
10 **FIRST JUDICIAL DISTRICT COURT OF NEVADA**
IN AND FOR CARSON CITY

11 NATIONAL TAXPAYERS UNION, a non-
12 profit organization, and ROBIN L. TITUS,
MD,

13 Plaintiffs,

14 v.

15 THE STATE OF NEVADA, ex, rel., JOSEPH
16 LOMBARDO, in his official capacity as
Governor of the State of Nevada; ZACH
17 CONINE, in his official capacity as Nevada
State Treasurer; RICHARD WHITLEY, in his
18 official capacity as Director of the Nevada
Department of Health and Human Services;
19 SCOTT J. KIPPER, in his official capacity as
the Nevada Commissioner of Insurance; and
20 RUSSELL COOK, in his official capacity as
Executive Director of the Silver State Health
21 Insurance Exchange,

22 Defendants.

Case No. 250000100

Dept. No. 7

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24 **PLAINTIFFS' APPENDIX TO MOTION FOR PRELIMINARY INJUNCTION**

25 **Volume 15 of 18**
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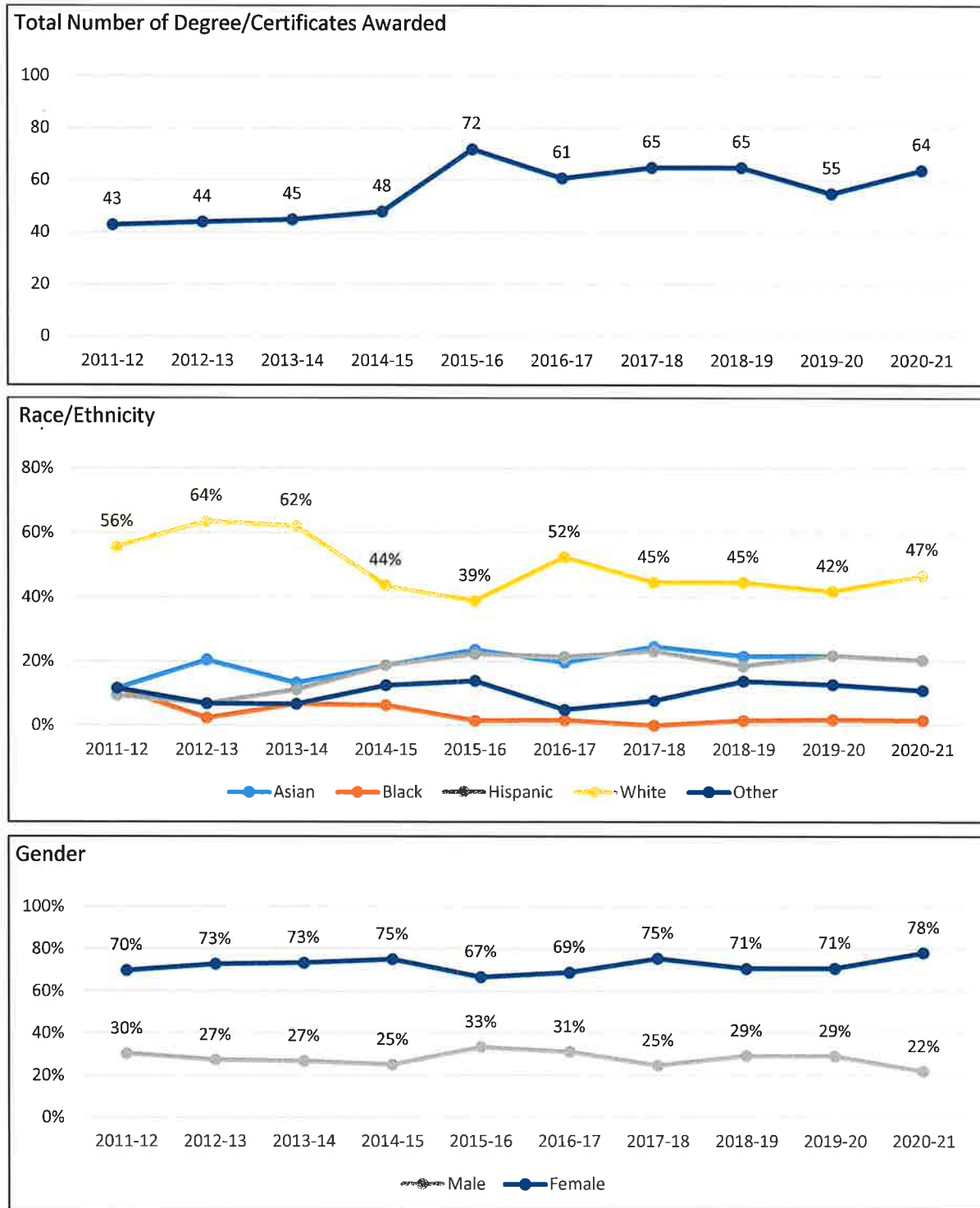
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EXHIBIT #	DESCRIPTION	PAGES
M1	May 2023 Health Workforce in Nevada: A Chartbook (part 2)	993-1029

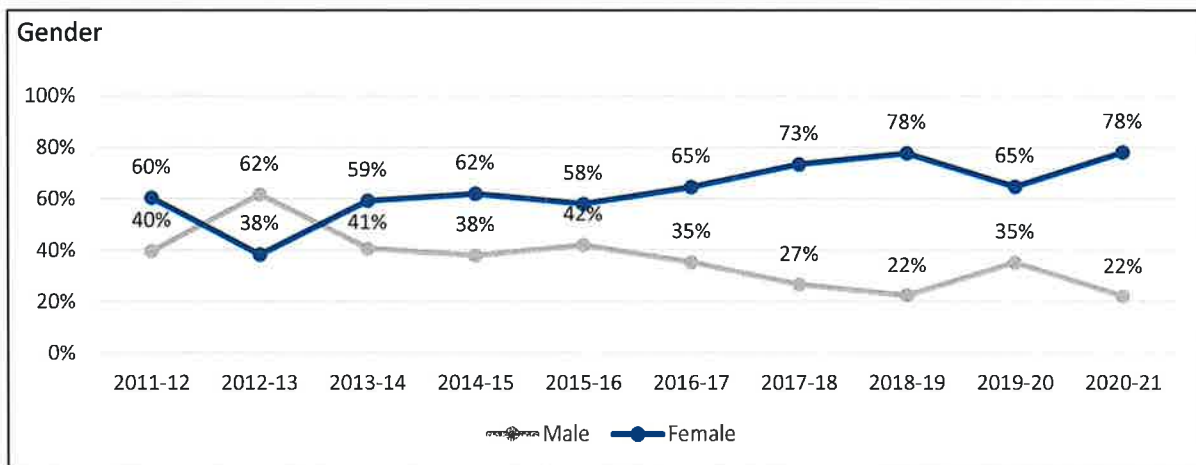
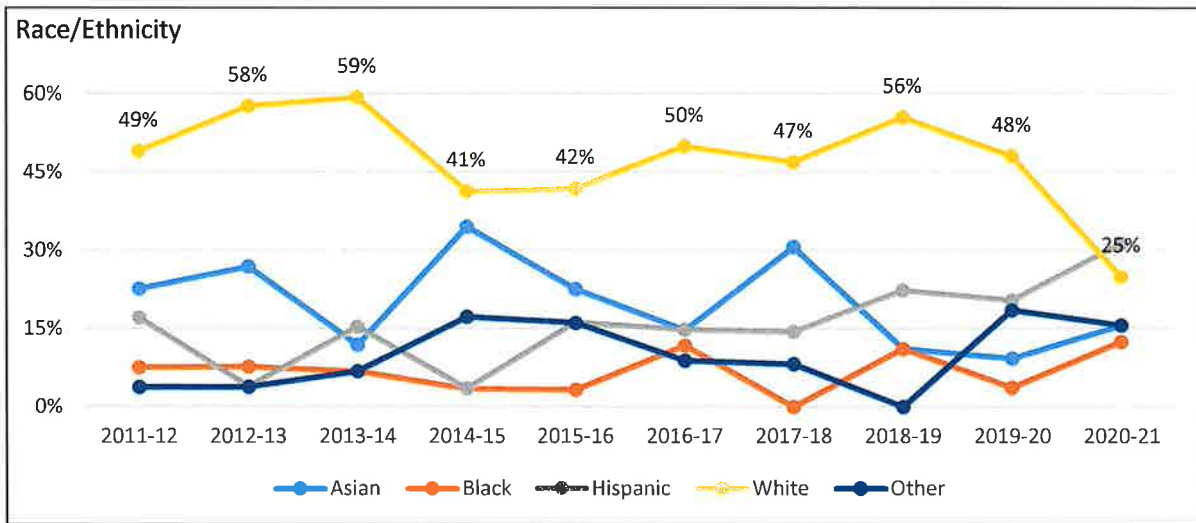
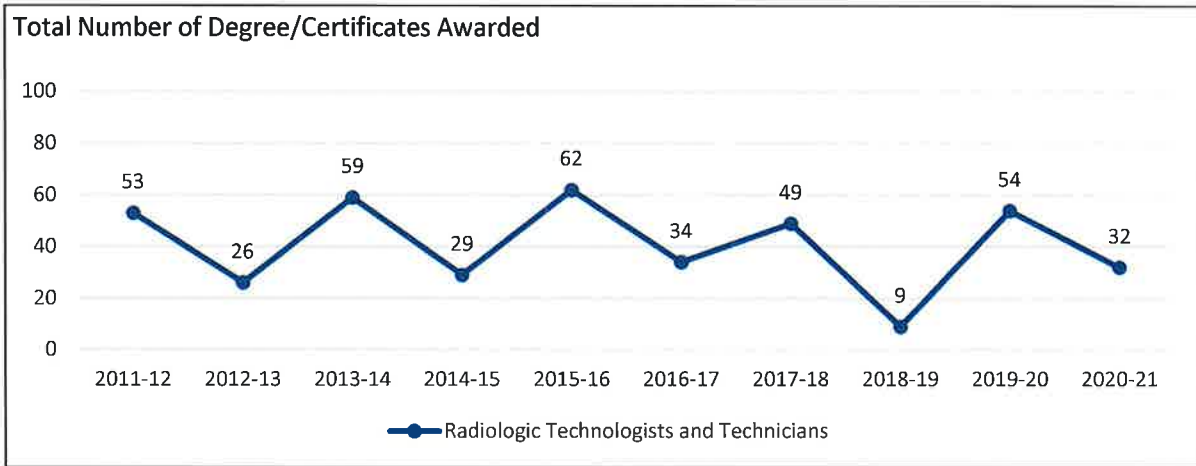
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Figure 64: Radiation Therapist Graduates in Nevada – AY 11-12 to AY 20-21



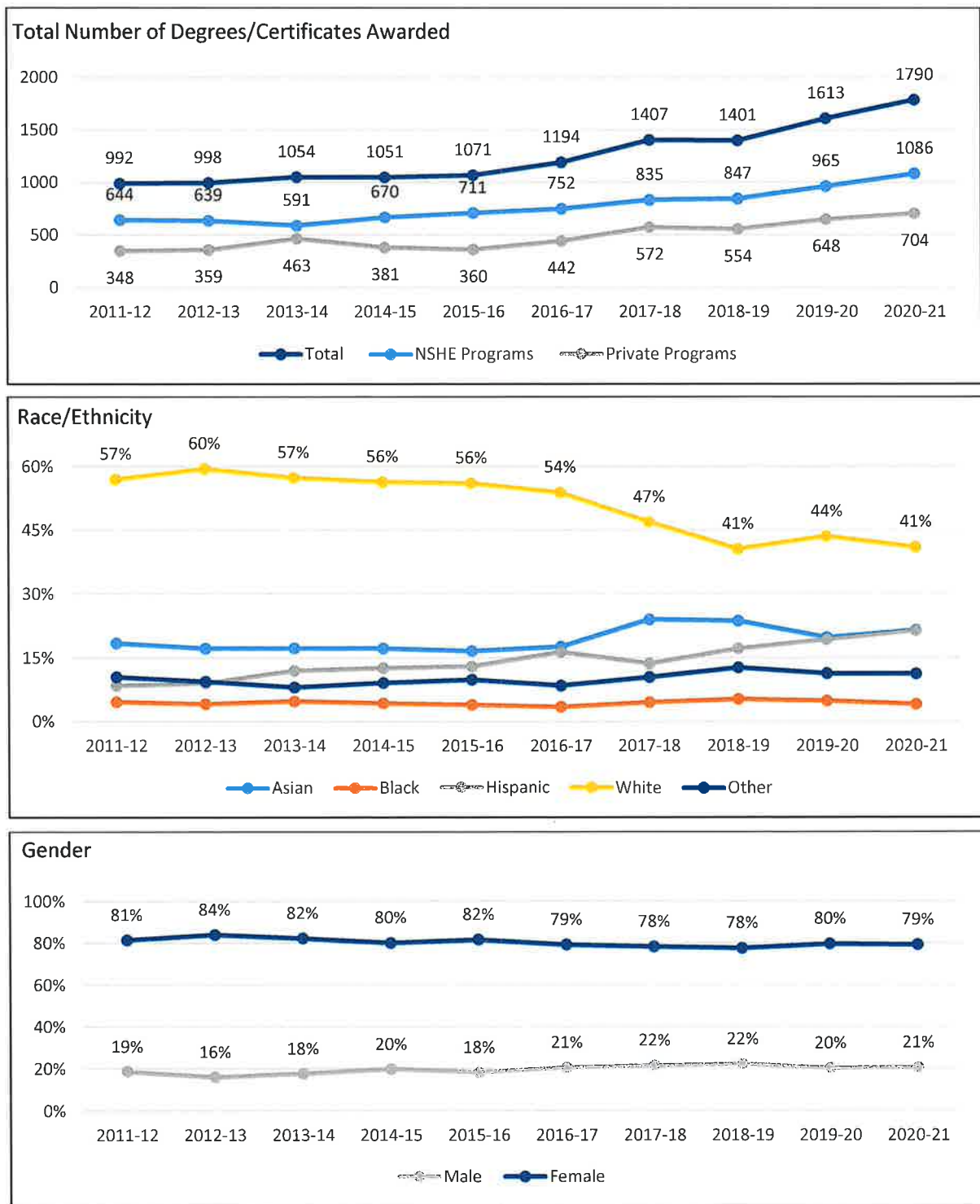
CIP Code: 51.0907; Minimum Education: Associate's degree; Award Level Code(s): 3, 5.

Figure 65: Radiologic Technology and Technician Graduates in Nevada – AY 11-12 to AY 20-21



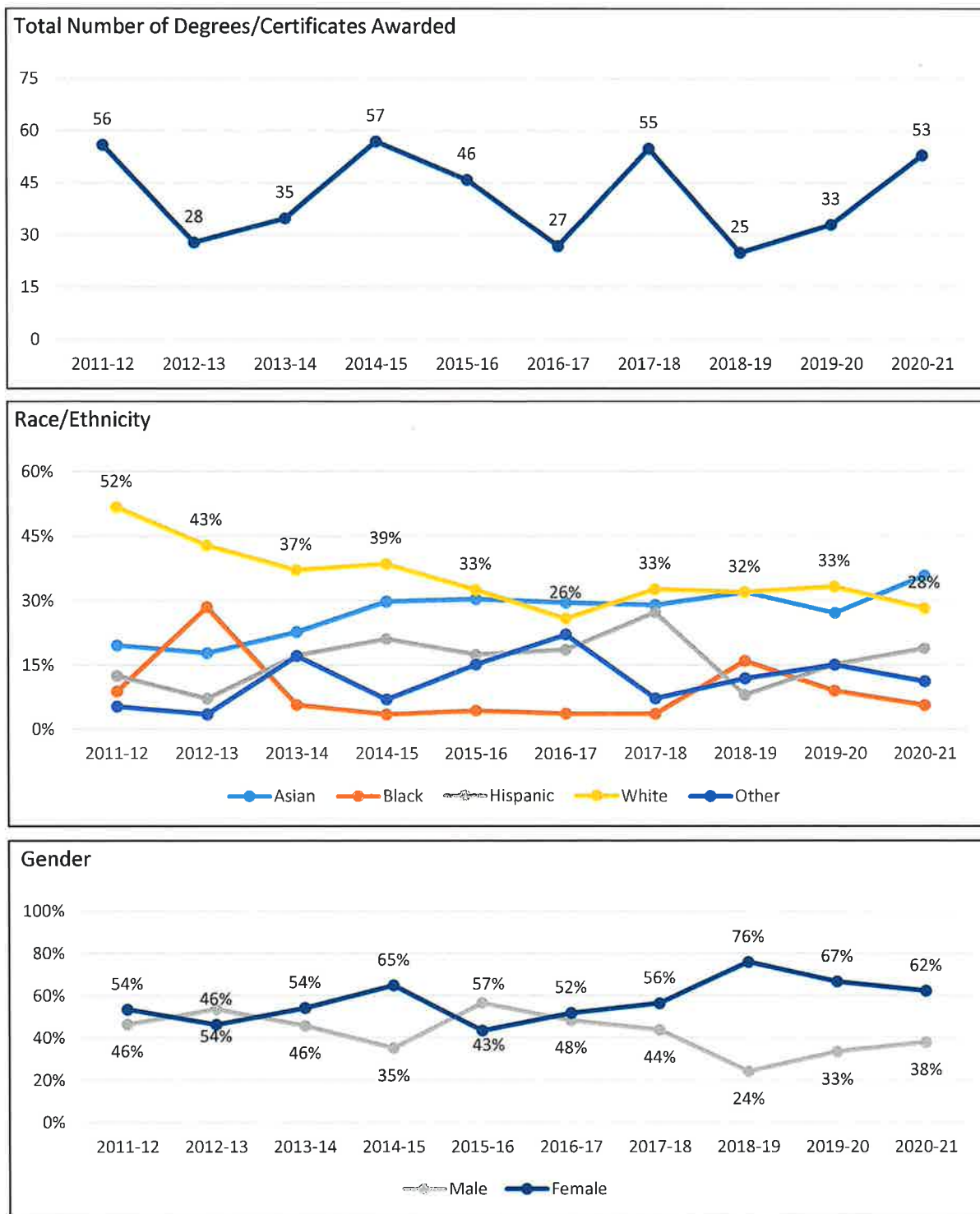
CIP Code: 51.0911; Minimum Education: Associate's degree; Award Level Code(s): 3, 5.

Figure 66: Registered Nurse (RNs) Graduates in Nevada – AY 11-12 to AY 20-21



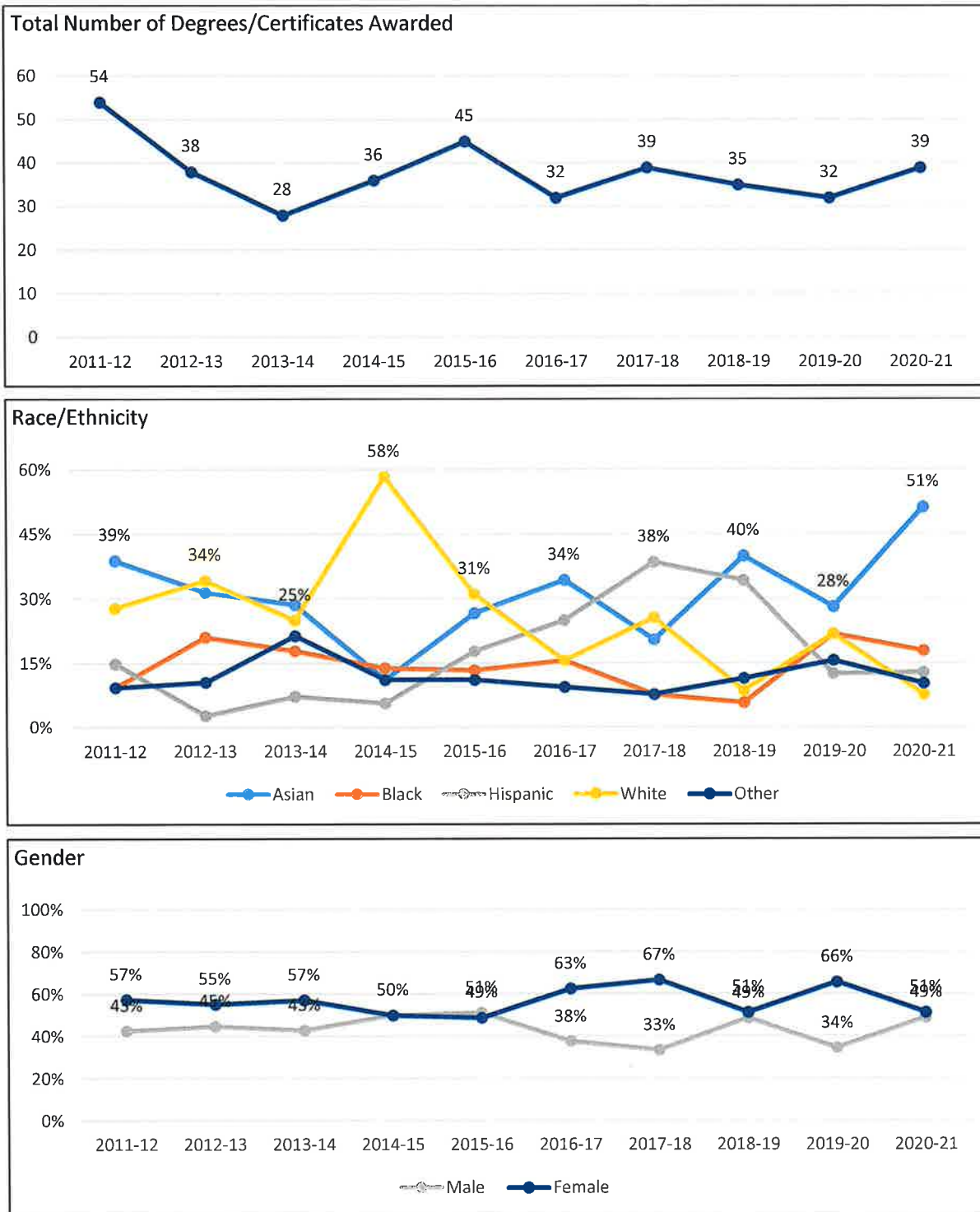
CIP Code: 51.3801: Minimum Education: Associate's degree; Award Level Code(s): 3, 4, 5.

Figure 67: Respiratory Therapy Graduates in Nevada – AY 11-12 to AY 20-21



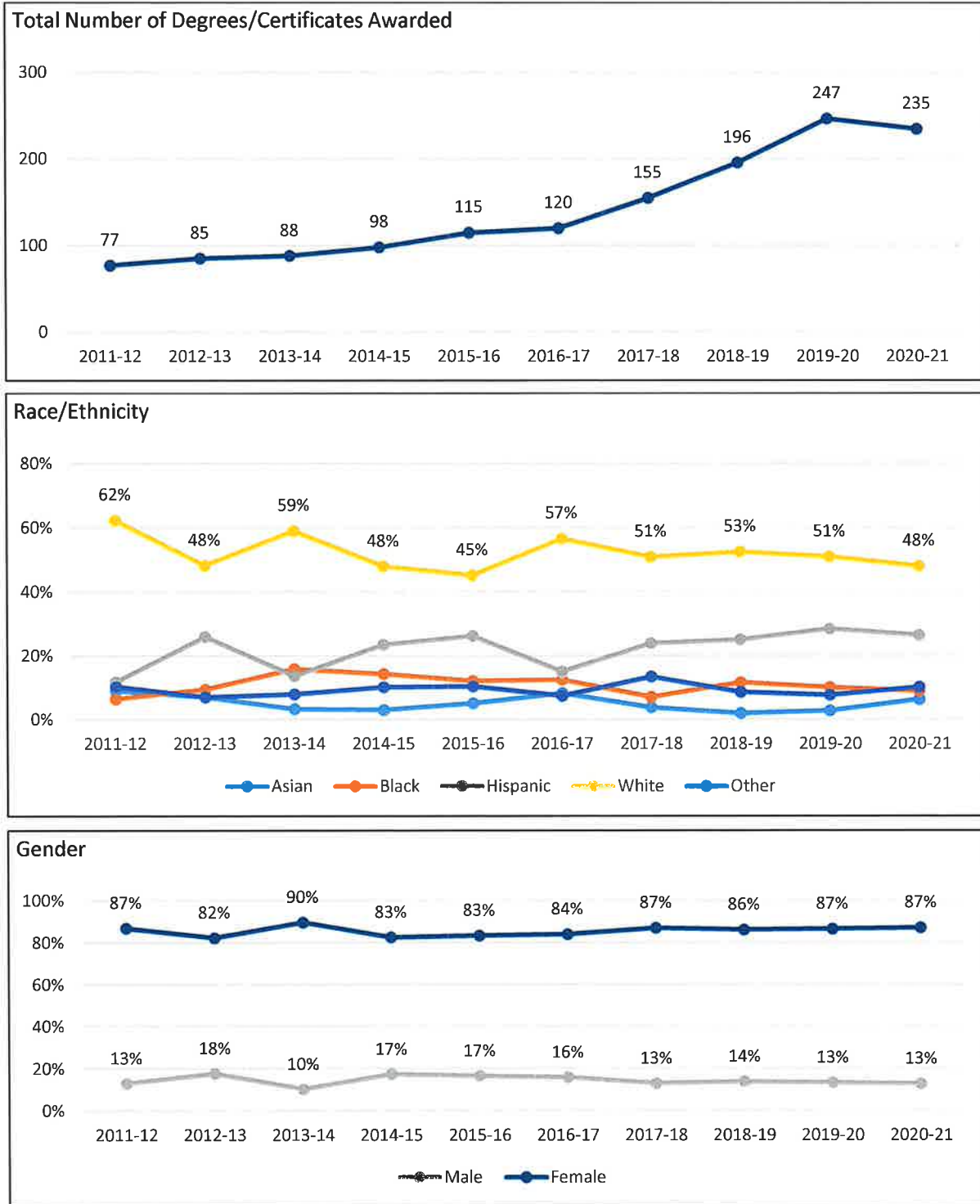
CIP Code: 51.0908; Minimum Education: Associate's degree; Award Level Code(s): 3, 5.

Figure 68: Respiratory Therapy Technician Graduates in Nevada – AY 11-12 to AY 20-21



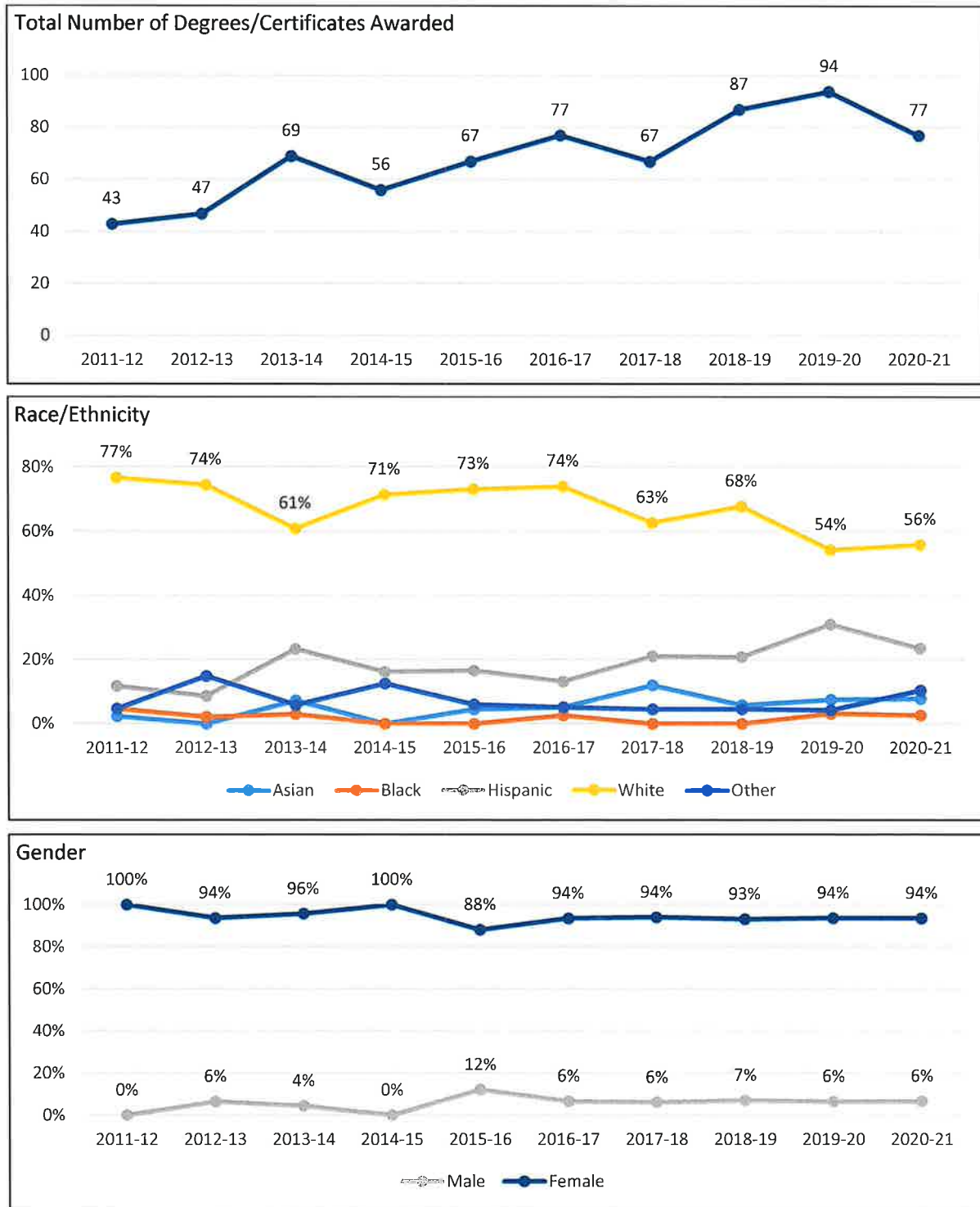
CIP Code: 51.0812; Minimum Education: Associate's degree; Award Level Code(S): 3.

Figure 69: Social Worker Graduates in Nevada – AY 11-12 to AY 20-21



CIP Code: 51.1503; 44.0701; 44.0702; 44.0799; Minimum Education: Professional degree (master's level); Award Level Code(S): 7, 17.

Figure 70: Speech-language Pathology Graduates in Nevada – AY 11-12 to AY 20-21



CIP Code: 51.0203; Minimum Education: Professional degree (bachelor's level); Award Level Code(s): 5, 7, 17.
 Degrees awarded in Nevada are mostly Bachelors up until 2020. NY report listed Master's degree level only.

Health Workforce in Nevada

Section Four: Health Workforce Shortages in Nevada

The fourth section of the *Chartbook* provides current data on health workforce shortages in Nevada utilizing data from the Health Resources and Services Administration's (HRSA) Health Professional Shortage Area (HPSA) data base <https://data.hrsa.gov/tools/shortage-area/hpsa-find>. The maps and figures in this section highlight widespread primary care, dental, and mental health shortage areas across both urban and rural regions of the state.

This section of the *Chartbook* also provides information on employment shortages in health care occupations and health industry sectors utilizing location quotients developed by the Bureau of Economic Analysis (BEA) and employment estimates from the Nevada Department of Employment, Training and Rehabilitation (DETR). A location quotient (LQ) is an analytic statistic that measures a state or region's industrial specialization relative to a larger geographic unit (usually the nation).

An LQ is computed as an industry's share of a regional total for some economic statistic – such as, employment or earnings – divided by the industry's share of the national total for the same statistic. For example, an LQ of 1.0 for an occupation or an industry sector means that the region and nation are equally specialized in those occupations or industry sectors.

Section four highlights include:

- Currently, an estimated 2,282,125 Nevadans or 69.7% of the state's population reside in a federally-designated primary medical care health professional shortage area (HPSA) – 12 of 17 counties in Nevada are single-county primary medical care HPSAs (Figures 71-73, Figure 80).
- In 2023, an estimated 247,084 residents of rural and frontier Nevada (81.0% of the population) live in a primary medical care health professional shortage area (HPSA) – 11 of 14 rural and frontier counties in Nevada are single-county primary medical care HPSAs (Figure 80).
- Currently, an estimated 2,147,153 Nevadans or 65.5% of the state's population reside in a federally designated dental health professional shortage area (HPSA) – 12 of 17 counties in Nevada are single-county dental HPSAs (Figures 74-76, Figure 80).

- In 2023, an estimated 267,300 residents of rural and frontier Nevada (88.3% of the population) live in a dental health professional shortage area (HPSA) – 11 of 14 rural and frontier counties in Nevada are single-county dental HPSAs (Figure 80).
- Currently, 2,847,734 Nevadans or 86.9% of the state’s population reside in a federally designated mental health professional shortage area (HPSA) – 15 of 17 counties in Nevada are single-county mental HPSAs (Figures 77-79, Figure 80).
- In 2023, an estimated 302,794 residents of rural and frontier Nevada (100% of the population) live in a mental health professional shortage area (HPSA) – 14 of 14 rural and frontier counties in Nevada are single-county mental HPSAs (Figure 80).
- In Nevada, the location quotients for our state’s major industries are 1.21 for mining and 2.19 for hospitality and gaming. In contrast, the location quotient for the health care sector is 0.67 which indicates that, broadly speaking, health care is an underdeveloped industry sector compared to the national economy.
- The same hold for a number of key health care occupations, including family medicine physicians (0.75), pediatricians (0.60), registered nurses (0.89), nurse practitioners (0.71), and clinical psychologists (0.48).
- Currently, 64 of 89 health care occupations in Clark County (71.9%) are below the national LQ of 1.0, including pediatricians (0.72), psychiatrists (0.37), and community health workers (0.34) (Figure 81).
- In Washoe County, 54 of 89 health care occupations (60.7%) are below the national LQ of 1.0, including home health and personal care aides (0.50), nurse practitioners (0.64), and pediatricians (0.46) (Figure 81).
- In rural counties and the balance of the state, 73 of 89 of health care occupations (82.0%) are below the national LQ of 1, including registered nurses (0.61), pharmacists (0.59), and surgeons (0.16) (Figure 81).
- Currently, there are approximately 118,500 Nevadans employed in health care occupations, including an estimated 25,045 registered nurses, 1,526 nurse practitioners, 3,049 licensed practical nurses, and 7,691 nursing assistants (Figure 82).
- Among health care support occupations, there are 20,626 home health and personal care aides, 7,945 medical assistants, and 3,171 medical secretaries and administrative assistants employed in Nevada (Figure 82).

- Utilizing current location quotients and employment estimates for a wide-range of health care occupations in Nevada, Figure 81 provides estimates for the number of additional health care workers needed in Nevada to equal national per capita rates for each occupation. For example, to reach the national per capita average, Nevada would need an additional 255 family medicine physicians, 626 nurse practitioners, and 3,162 registered nurses.
- Among health care support occupations, to reach the national per capita average, Nevada would need an additional 14,550 home health and personal care aides, 5,055 nursing assistants, and 591 radiologic technologists and technicians (Figure 83).
- Utilizing current location quotients and employment estimates for the four major segments of the health sector, Nevada would need an additional 9,773 workers in the ambulatory care industry, an additional 13,057 workers in hospitals, an additional 13,620 workers in nursing and residential care facilities, and an additional 15,173 workers in social assistance services to reach the national per capita average for each industry segment (Figures 84 to 87).
- Within the ambulatory care industry, to reach the national per capita average, Nevada would need an additional 1,483 workers in physician offices, an additional 1,694 workers in outpatient mental health and substance abuse centers, and an additional 7,955 workers in home health services (Figure 84).

Figure 71: Primary Medical Care Health Professional Shortage Areas (HPSAs) in Nevada – 2023

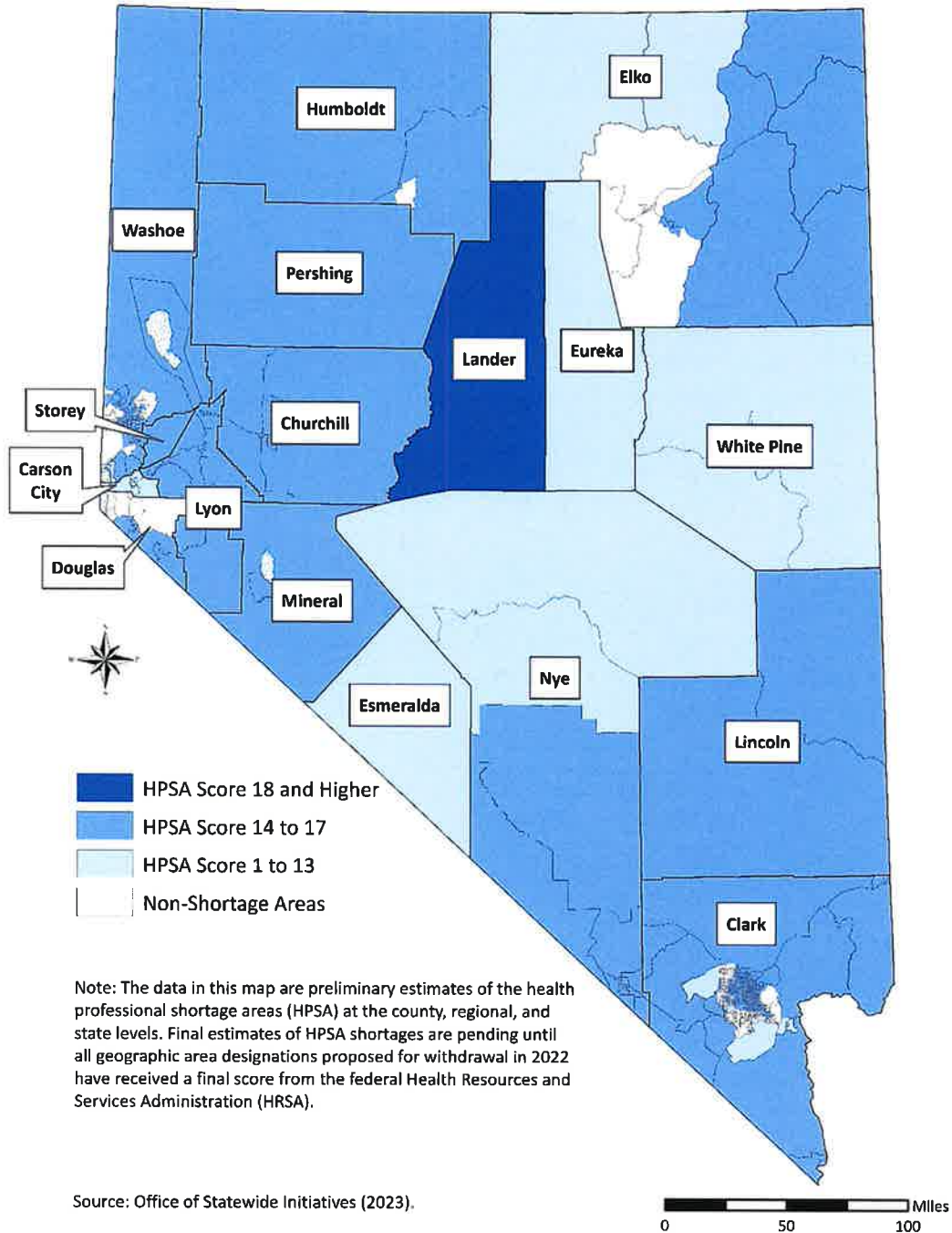
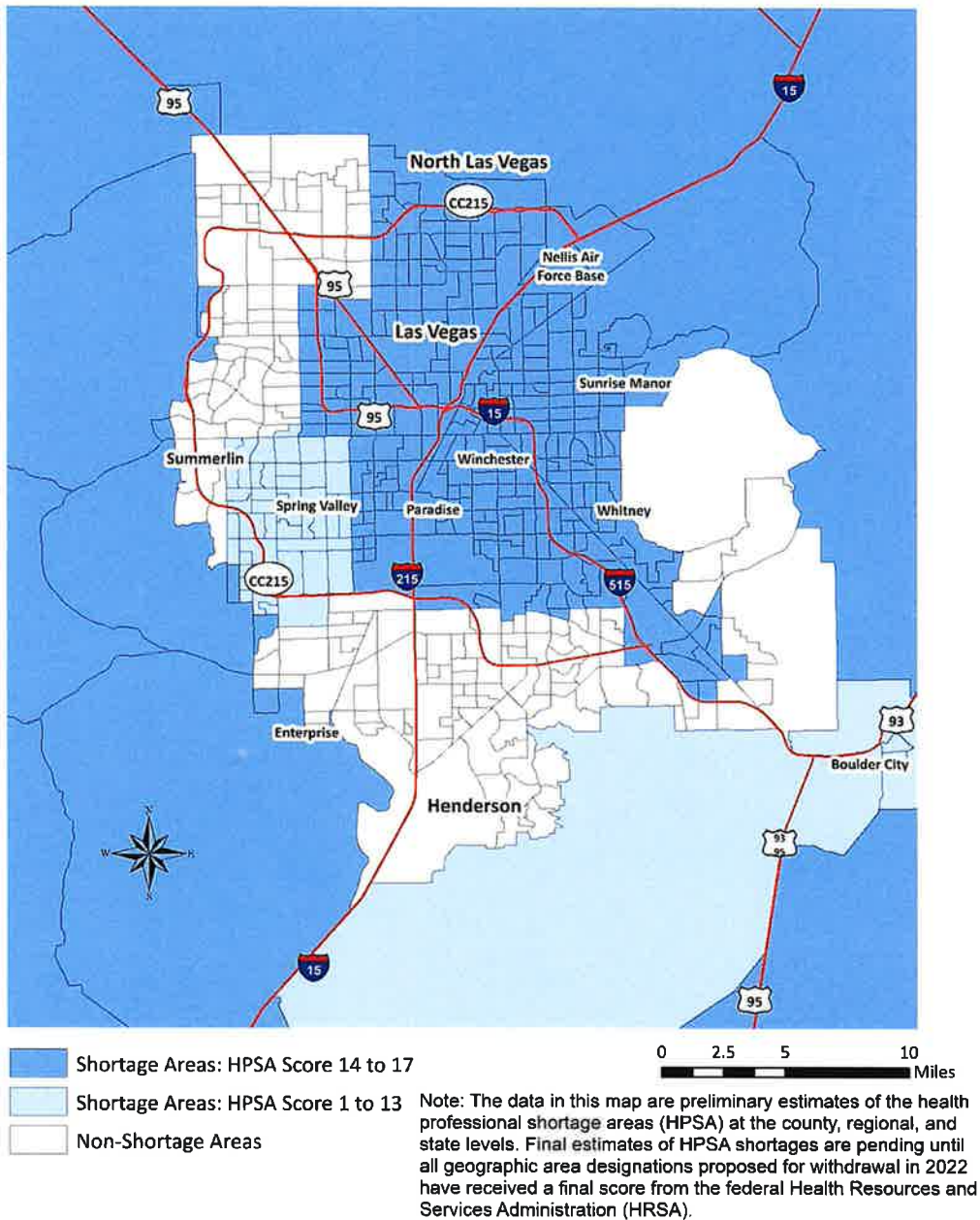


Figure 72: Primary Medical Care Health Professional Shortage Areas (HPSAs) in Southern Nevada – 2023



There are no census tracts with a HPSA Score greater than 17. Source: Office of Statewide Initiatives (2023).

Figure 73: Primary Medical Care Health Professional Shortage Areas (HPSAs) in Northern Nevada – 2023

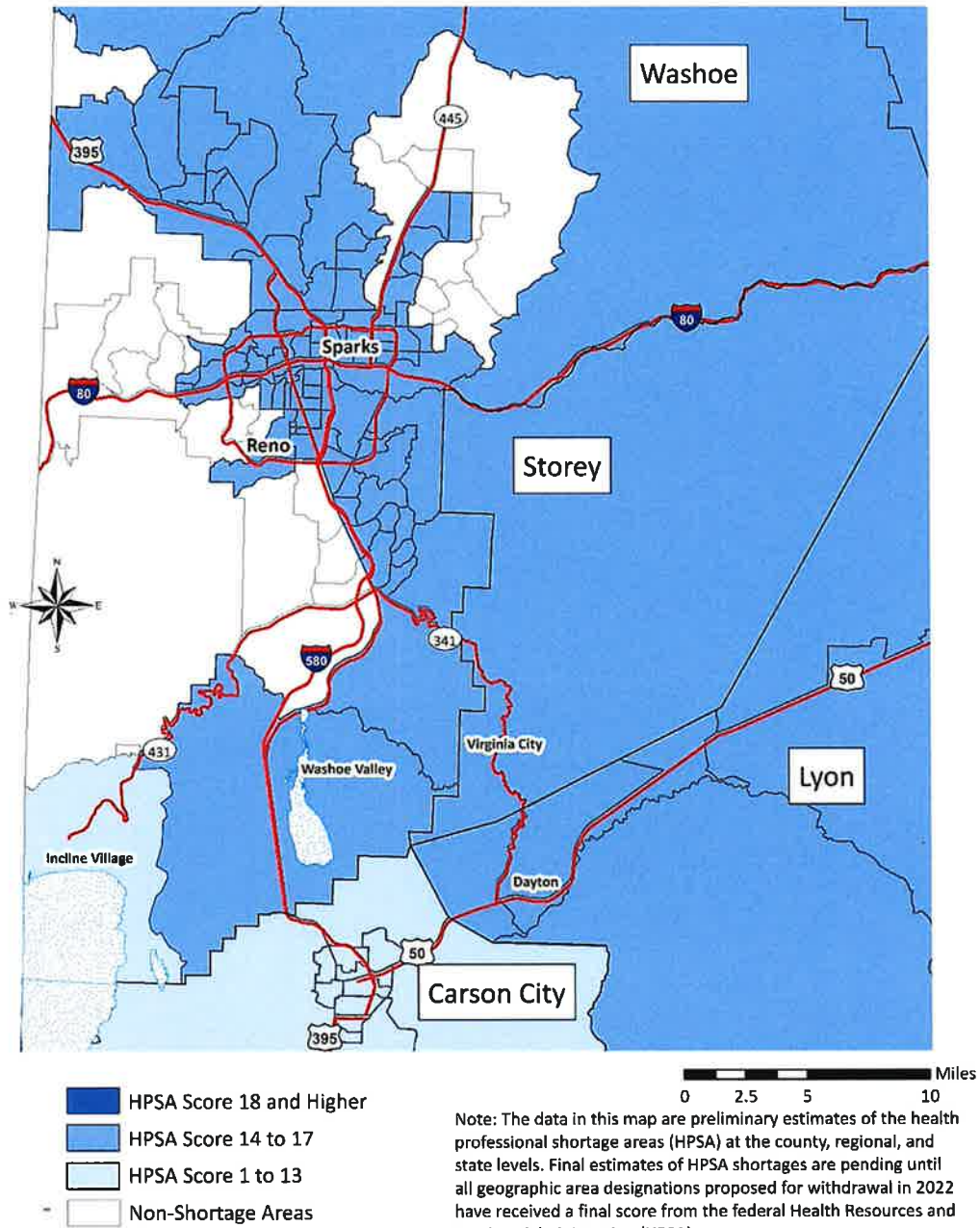


Figure 74: Dental Health Professional Shortage Areas (HPSAs) in Nevada – 2023

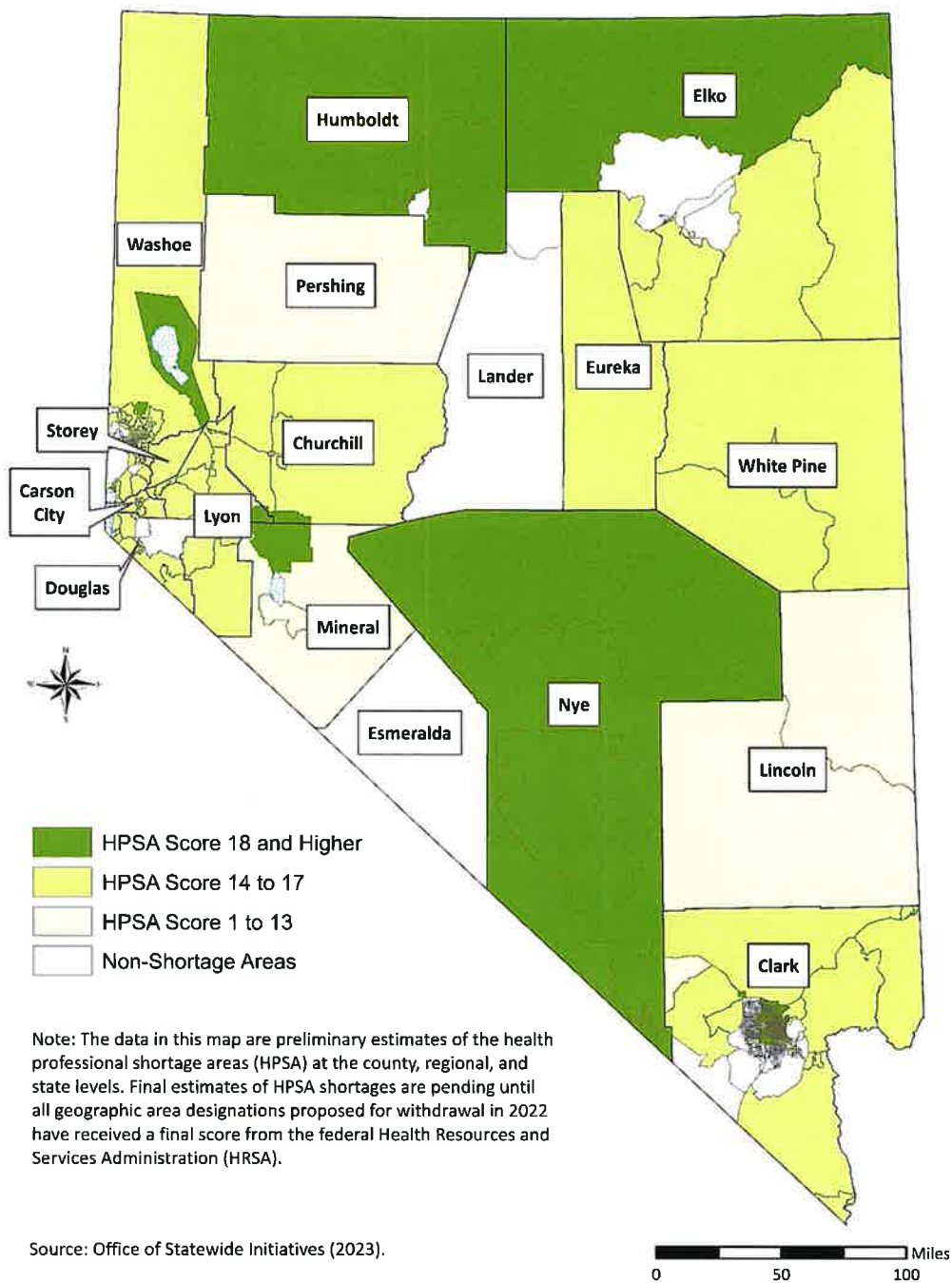


Figure 75: Dental Health Professional Shortage Areas (HPSAs) in Southern Nevada – 2023



Source: Office of Statewide Initiatives (2023).

Figure 76: Dental Health Professional Shortage Areas (HPSAs) in Northern Nevada – 2023

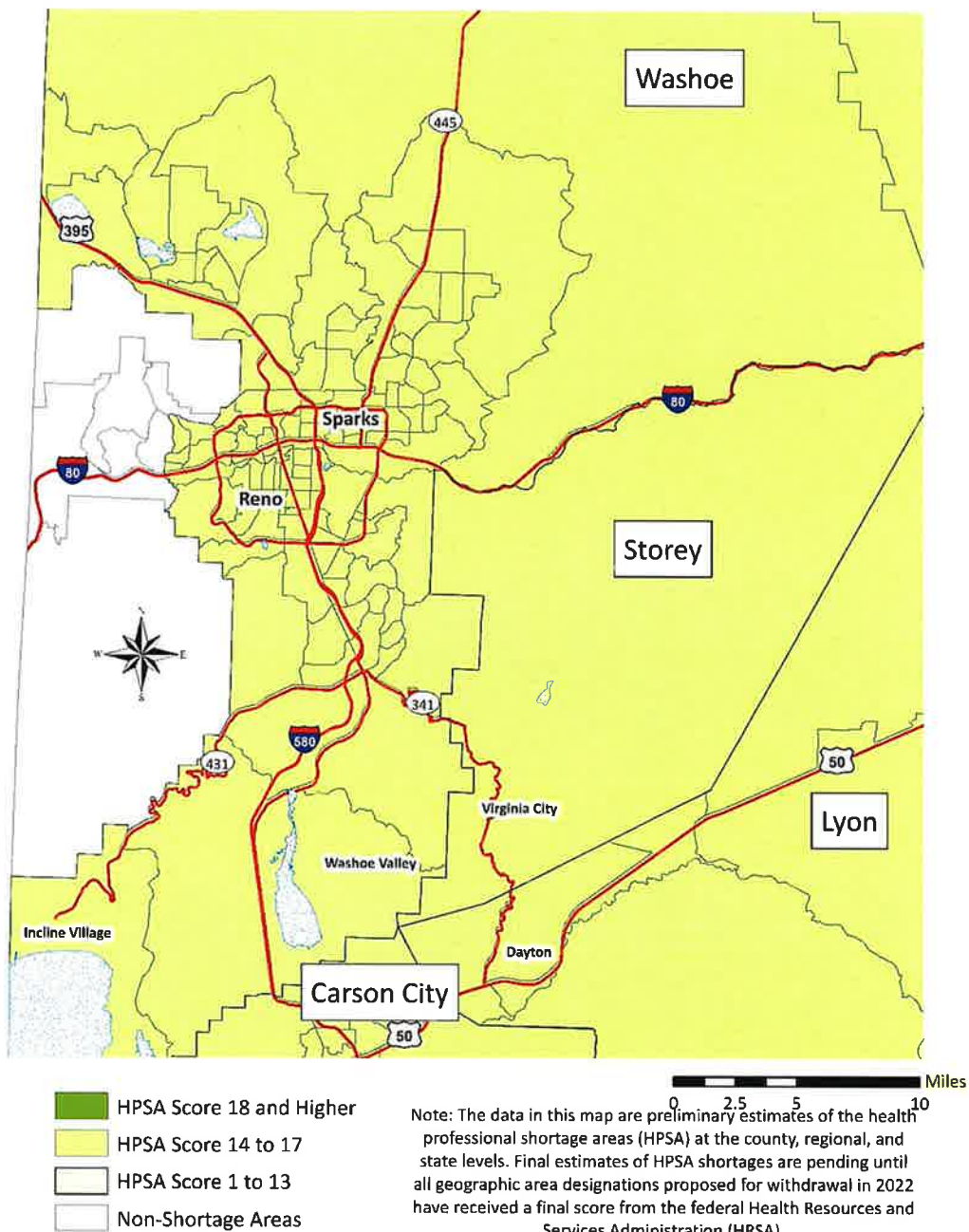


Figure 77: Mental Health Professional Shortage Areas (HPSAs) in Nevada – 2023

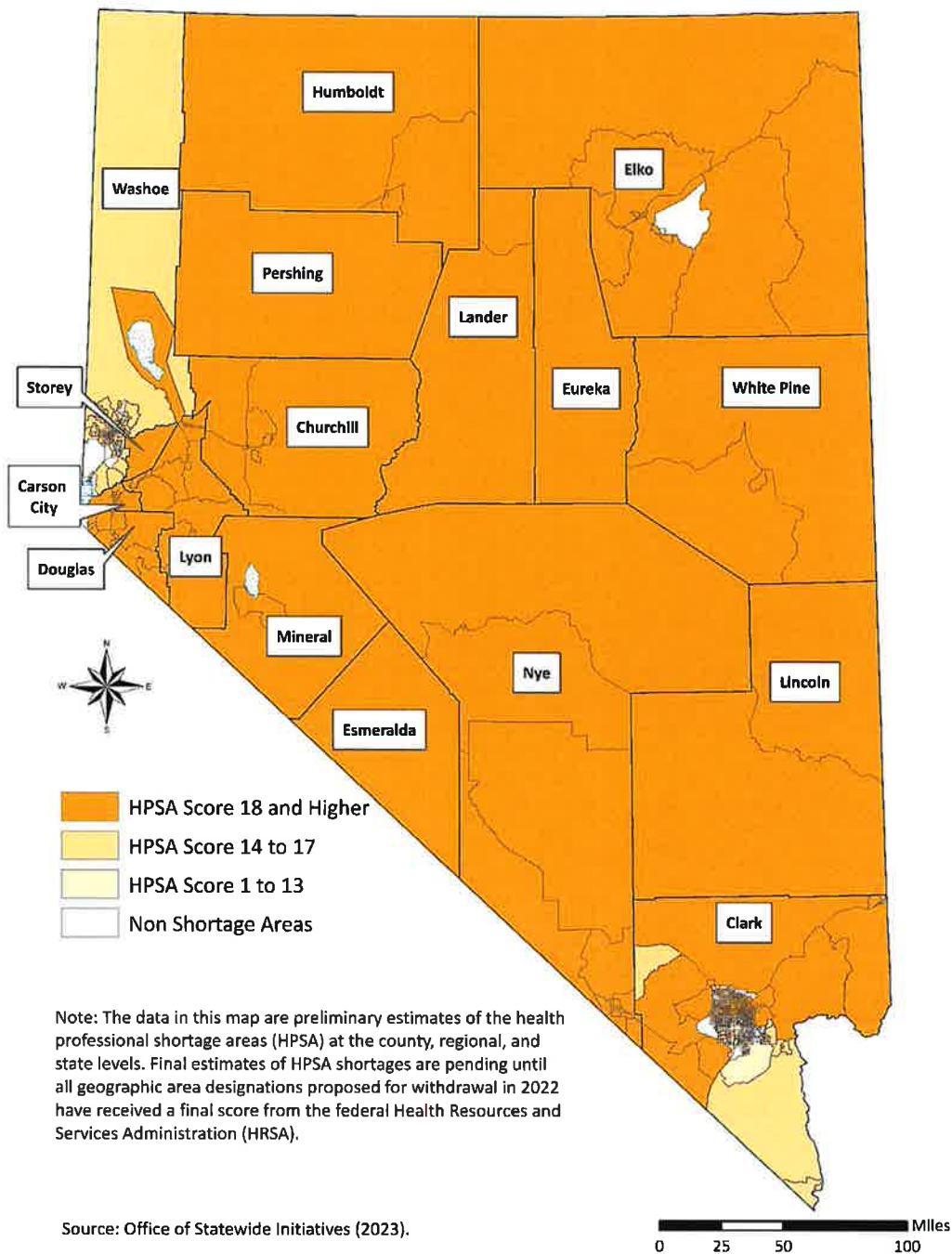
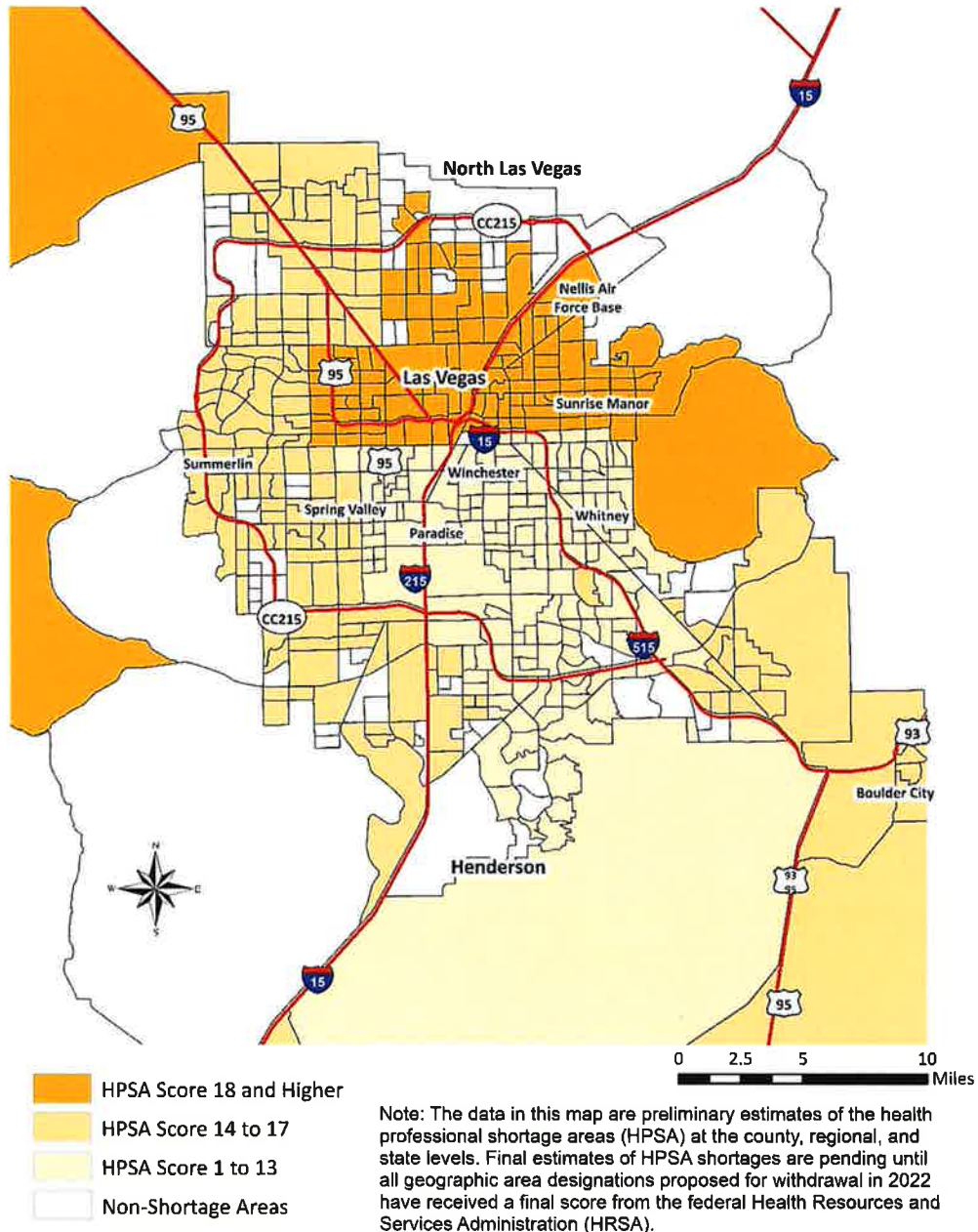


Figure 78: Mental Health Professional Shortage Areas (HPSAs) in Southern Nevada – 2023



Source: Office of Statewide Initiatives (2023).

Figure 79: Mental Health Professional Shortage Areas (HPSAs) in Northern Nevada – 2023

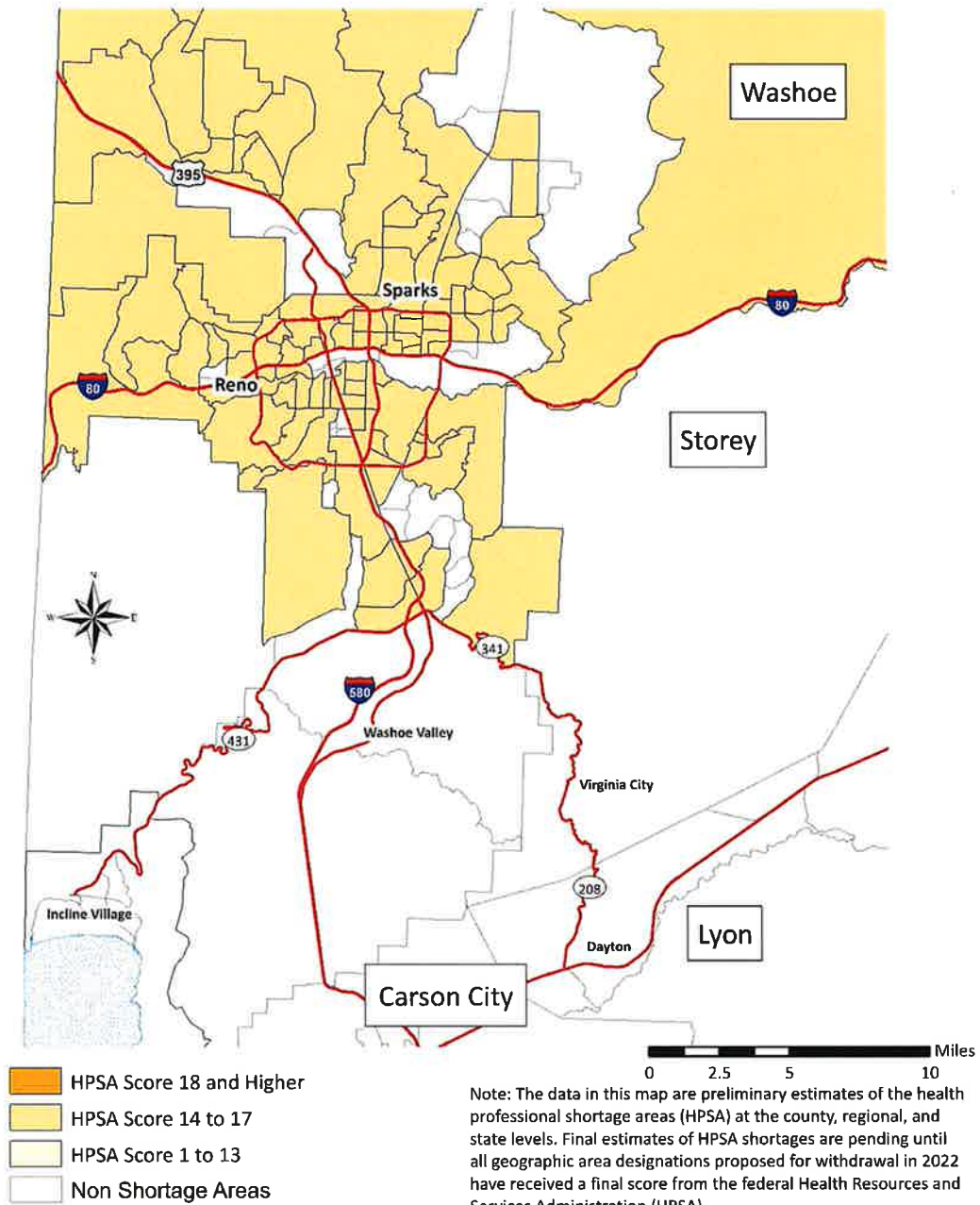


Figure 80: Estimated Population Residing in Health Professional Shortage Areas (HPSAs) in Nevada – 2023

Region/County	Population Residing in Health Professional Shortage Areas (HPSAs)						Population
	Primary Care HPSAs		Dental HPSAs		Mental HPSAs		
	Number	Percent of Population	Number	Percent of Population	Number	Percent of Population	
Rural and Frontier							
Churchill County	27,271	100.0	27,271	100.0	27,271	100.0	27,271
Douglas County	32,483	64.3	37,977	75.2	50,490	100.0	50,490
Elko County	21,951	39.7	36,673	66.3	55,314	100.0	55,314
Esmeralda County	1,053	100.0	1,053	100.0	1,053	100.0	1,053
Eureka County	2,032	100.0	2,032	100.0	2,032	100.0	2,032
Humboldt County	13,477	75.6	13,477	75.6	17,817	100.0	17,817
Lander County	6,315	100.0	6,315	100.0	6,315	100.0	6,315
Lincoln County	4,999	100.0	4,999	100.0	4,999	100.0	4,999
Lyon County	59,832	100.0	59,832	100.0	59,832	100.0	59,832
Mineral County	4,958	100.0	4,958	100.0	4,958	100.0	4,958
Nye County	50,316	100.0	50,316	100.0	50,316	100.0	50,316
Pershing County	7,160	100.0	7,160	100.0	7,160	100.0	7,160
Storey County	4,593	100.0	4,593	100.0	4,593	100.0	4,593
White Pine County	10,644	100.0	10,644	100.0	10,644	100.0	10,644
Region Subtotal	247,084	81.0	267,300	88.3	302,794	100.0	302,794
Urban							
Carson City	57,787	100.0	57,787	100.0	57,787	100.0	57,787
Clark County	1,555,530	64.5	1,397,820	58.0	2,030,79	84.3	2,409,815
Washoe County	421,724	83.4	424,246	83.9	456,357	90.2	505,821
Region Subtotal	2,035,041	68.4	1,879,853	63.2	2,544,940	85.6	2,973,423
Nevada — Total	2,282,125	69.7	2,147,153	65.5	2,847,734	86.9	3,276,217

Source: United States Census Bureau (2022a), Health Resources and Services Administration (2023), and Nevada State Demographer's Office (2022).

Note: Data in this table are preliminary estimates of the population residing in health professional shortage areas (HPSA) at the county, regional, and state levels based on current population data from the American Community Survey and the Nevada State Demographer's Office. Final estimates are pending until all geographic area designations proposed for withdrawal in 2022 have received a final score from the federal Health Resources and Services Administration (HRSA).

Figure 81: Location Quotients for Selected Health Care Occupations in Nevada

Occupation	Clark	Washoe	Balance of State	Nevada
Acupuncturists and Homeopathic Practitioners	0.39	0.95	1.13	0.57
Ambulance Drivers and Attendants	0.06	0.12	0.61	0.14
Athletic Trainers	0.35	0.21	0.09	0.30
Audiologists	1.39	1.95	0.01	1.31
Cardiovascular Technologists and Technicians	0.65	0.54	0.10	0.56
Child, Family, and School Social Workers	1.09	0.83	1.17	1.06
Childcare Workers	0.72	0.88	0.61	0.73
Chiropractors	1.38	1.61	0.80	1.35
Clinical Laboratory Technologists and Technicians	0.74	0.56	0.50	0.68
Clinical, Counseling, and School Psychologists	0.43	0.83	0.30	0.48
Community and Social Service Specialists	0.48	1.46	1.05	0.71
Community Health Workers	0.34	0.80	1.55	0.56
Dental Assistants	0.74	1.12	0.86	0.82
Dental Hygienists	1.35	1.65	1.21	1.38
Dental Laboratory Technicians	0.58	0.08	0.13	0.44
Dentists, General	0.85	1.02	0.99	0.90
Dentists, Oral and Maxillofacial Surgeons	0.78	0.19	0.10	0.60
Dentists, Orthodontists	1.34	0.20	0.11	1.00
Dentists, Prosthodontists	0.87	0.17	0.09	0.66
Diagnostic Medical Sonographers	0.58	0.71	0.35	0.57
Dietetic Technicians	0.86	1.92	0.10	0.94
Dietitians and Nutritionists	0.75	0.96	0.46	0.74
Emergency Management Directors	0.73	0.42	0.20	0.61
Emergency Medical Technicians and Paramedics	0.99	0.57	0.87	0.91
Environmental Science and Protection Technicians, including Health	1.55	0.67	0.76	1.30
Environmental Scientists and Specialists, including Health	0.37	1.02	1.29	0.59
Epidemiologists	0.64	0.06	0.43	0.52
Exercise Physiologists	0.91	0.39	0.25	0.74
Genetic Counselors	0.62	0.37	0.03	0.50
Health and Safety Engineers	1.51	0.58	1.45	1.35
Health Education Specialists	0.51	1.15	0.87	0.66
Health Information Technologists and Medical Registrars	1.16	2.05	1.00	1.29
Healthcare Social Workers	0.69	0.95	0.53	0.71
Hearing Aid Specialists	1.03	0.30	0.15	0.80
Home Health and Personal Care Aides	0.63	0.50	0.45	0.59
Licensed Practical Nurses	0.50	0.43	0.44	0.48
Magnetic Resonance Imaging Technologists	2.15	1.08	0.82	1.80
Marriage and Family Therapists	0.84	0.79	0.91	0.84
Massage Therapists	1.81	1.21	0.58	1.56
Medical and Health Services Managers	0.79	0.79	0.62	0.77
Medical Assistants	1.21	1.02	0.90	1.14
Medical Records Specialists and Health Information Technicians	1.24	1.39	0.83	1.21
Medical Scientists	0.19	0.53	0.17	0.24
Medical Secretaries and Administrative Assistants	0.58	0.49	0.43	0.55

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Occupation	Clark	Washoe	Balance of State	Nevada
Medical Transcriptionists	2.58	2.29	0.34	2.25
Mental Health and Substance Abuse Social Workers	0.67	0.75	0.33	0.64
Nuclear Medicine Technologists	0.52	1.51	0.01	0.62
Nurse Anesthetists	0.35	0.09	0.12	0.28
Nurse Midwives	0.86	1.38	0.02	0.84
Nurse Practitioners	0.72	0.64	0.73	0.71
Nursing Assistants	0.59	0.68	0.59	0.60
Occupational Therapists	0.83	0.75	0.44	0.77
Occupational Therapy Aides	0.68	0.54	0.23	0.60
Occupational Therapy Assistants	0.90	0.75	1.26	0.92
Ophthalmic Laboratory Technicians	0.67	1.39	0.15	0.73
Ophthalmic Medical Technicians	0.92	1.24	1.25	1.01
Opticians, Dispensing	1.34	1.19	0.81	1.25
Optometrists	1.53	1.37	0.85	1.42
Orthotists and Prosthetists	0.24	2.56	0.87	0.70
Pharmacists	1.02	1.15	0.59	0.99
Pharmacy Aides	1.13	1.27	1.09	1.15
Pharmacy Technicians	1.19	1.11	0.83	1.13
Phlebotomists	0.50	0.29	0.42	0.46
Physical Therapist Aides	0.90	1.07	2.69	1.15
Physical Therapist Assistants	0.58	0.68	0.90	0.63
Physical Therapists	0.83	0.86	0.83	0.84
Physician Assistants	0.79	1.00	0.66	0.81
Physicians, Anesthesiologists	1.88	0.96	3.21	1.90
Physicians, Family Medicine	0.74	0.70	0.92	0.75
Physicians, Internal Medicine	0.56	0.87	1.71	0.74
Physicians, Obstetrics and Gynecology	0.79	0.12	0.05	0.59
Physicians, Pediatricians	0.72	0.46	0.13	0.60
Physicians, Psychiatrists	0.37	0.19	0.13	0.31
Physicians, Surgeons	0.54	1.17	0.16	0.59
Physicians, All Other Specialists	0.86	1.40	0.40	0.89
Podiatrists	1.23	1.68	0.09	1.16
Psychiatric Aides	0.33	0.86	0.05	0.38
Psychiatric Technicians	1.88	3.38	0.64	1.97
Radiation Therapists	1.27	0.58	0.01	1.00
Radiologic Technologists and Technicians	0.63	1.04	0.64	0.70
Recreational Therapists	0.53	0.06	2.09	0.65
Registered Nurses	0.93	0.93	0.61	0.89
Rehabilitation Counselors	0.36	0.39	0.60	0.40
Respiratory Therapists	1.40	1.23	0.66	1.28
Social and Community Service Managers	0.47	0.88	0.98	0.60
Social and Human Service Assistants	0.46	0.90	0.93	0.59
Speech-Language Pathologists	0.66	0.98	0.55	0.70
Substance Abuse, Behavioral Disorder, & Mental Health Counselors	0.32	0.85	0.67	0.45
Surgical Technologists	1.27	1.16	0.50	1.16

Source: Nevada Department of Employment, Training and Rehabilitation, Research and Analysis Bureau (2023).

Figure 82: Estimated Employment in Selected Health Care Occupations in Nevada – 2022

Occupation	Clark	Washoe	Balance of State	Nevada
Acupuncturists and Homeopathic Practitioners	148	84	76	308
Ambulance Drivers and Attendants	<10	<10	11	20
Athletic Trainers	77	11	<10	91
Audiologists	129	42	0	172
Cardiovascular Technologists and Technicians	245	47	<10	298
Child, Family, and School Social Workers	2,386	421	449	3,256
Childcare Workers	6,107	1,743	917	8,766
Chiropractors	495	133	50	678
Clinical Laboratory Technologists and Technicians	1,681	293	201	2,175
Clinical, Counseling, and School Psychologists	361	162	45	568
Community and Social Service Specialists	302	214	117	633
Community Health Workers	142	78	115	334
Dental Assistants	1,758	618	360	2,735
Dental Hygienists	2,002	570	317	2,888
Dental Laboratory Technicians	133	<10	<10	143
Dentists, General	772	215	158	1,145
Dentists, Oral and Maxillofacial Surgeons	30	<10	<10	33
Dentists, Orthodontists	66	<10	<10	70
Dentists, Prosthodontists	<10	0	0	<10
Diagnostic Medical Sonographers	297	85	32	413
Dietetic Technicians	154	80	<10	237
Dietitians and Nutritionists	362	108	39	509
Emergency Management Directors	68	<10	<10	80
Emergency Medical Technicians and Paramedics	1,743	234	269	2,246
Environmental Science and Protection Technicians	349	35	30	415
Environmental Scientists and Specialists	211	136	130	476
Epidemiologists	39	<10	<10	44
Exercise Physiologists	85	<10	<10	97
Genetic Counselors	11	<10	0	13
Health and Safety Engineers	236	21	40	296
Health Education Specialists	203	105	61	369
Health Information Technologists and Medical Registrars	641	262	98	1,001
Healthcare Social Workers	816	260	111	1,186
Hearing Aid Specialists	63	<10	<10	69
Home Health and Personal Care Aides	15,731	2,908	1,987	20,626
Licensed Practical Nurses	2,249	448	352	3,049
Magnetic Resonance Imaging Technologists	586	68	39	694
Marriage and Family Therapists	431	94	82	607
Massage Therapists	2,241	346	127	2,714
Medical and Health Services Managers	2,260	528	315	3,103
Medical Assistants	5,989	1,173	782	7,945
Medical Records Specialists and Health Information Technicians	2,677	696	318	3,692
Medical Scientists	180	115	29	324
Medical Secretaries and Administrative Assistants	2,393	469	309	3,171

Health Workforce in Nevada: A Chartbook – 2023 Edition

Occupation	Clark	Washoe	Balance of State	Nevada
Medical Transcriptionists	929	191	21	1,141
Mental Health and Substance Abuse Social Workers	556	145	49	750
Nuclear Medicine Technologists	62	42	<10	104
Nurse Anesthetists	107	<10	<10	119
Nurse Midwives	45	17	0	62
Nurse Practitioners	1,101	228	197	1,526
Nursing Assistants	5,314	1,429	947	7,691
Occupational Therapists	730	152	68	951
Occupational Therapy Aides	27	<10	<10	34
Occupational Therapy Assistants	259	50	64	373
Ophthalmic Laboratory Technicians	130	63	<10	198
Ophthalmic Medical Technicians	388	122	94	604
Opticians, Dispensing	667	137	70	875
Optometrists	489	101	48	638
Orthotists and Prosthetists	18	44	11	73
Pharmacists	2,171	565	223	2,959
Pharmacy Aides	300	78	51	429
Pharmacy Technicians	3,330	720	410	4,460
Phlebotomists	443	59	66	567
Physical Therapist Aides	284	78	150	513
Physical Therapist Assistants	361	100	99	560
Physical Therapists	1,305	313	228	1,846
Physician Assistants	705	208	104	1,017
Physicians, Anesthesiologists	405	48	122	575
Physicians, Family Medicine	541	120	120	781
Physicians, Internal Medicine	209	75	112	379
Physicians, Obstetrics and Gynecology	112	<10	<10	117
Physicians, Pediatricians	146	22	<10	173
Physicians, Psychiatrists	73	<10	<10	86
Physicians, Surgeons	155	78	<10	241
Physicians, All Other Specialists	2,418	917	198	3,533
Podiatrists	110	35	<10	147
Psychiatric Aides	123	74	<10	200
Psychiatric Technicians	1,141	476	68	1,686
Radiation Therapists	154	16	0	171
Radiologic Technologists and Technicians	889	338	157	1,384
Recreational Therapists	72	<10	50	123
Registered Nurses	18,553	4,324	2,168	25,045
Rehabilitation Counselors	244	61	70	376
Respiratory Therapists	1,236	251	103	1,590
Social and Community Service Managers	551	240	204	996
Social and Human Service Assistants	1,279	580	453	2,313
Speech-Language Pathologists	695	241	102	1,038
Substance Abuse, Behavioral Disorder, & Mental Health Counselors	714	436	262	1,412
Surgical Technologists	918	194	63	1,175

Source: Nevada Department of Employment, Training and Rehabilitation, Research and Analysis Bureau (2023). Note: Estimates for Clark County, Washoe County, and Balance of State have been calculated separately from statewide estimates calculated for Nevada, i.e., Nevada totals are not the sum of the three regional estimates.

Figure 83: Additional Health Care Jobs Needed to Meet the National Average

Occupation	Clark	Washoe	Balance of State	Nevada
Acupuncturists and Homeopathic Practitioners	231	4	(9)	230
Ambulance Drivers and Attendants	<10	<10	7	124
Athletic Trainers	143	41	<10	215
Audiologists	(36)	(20)	0	(41)
Cardiovascular Technologists and Technicians	132	40	<10	231
Child, Family, and School Social Workers	(197)	86	(65)	(185)
Childcare Workers	2,375	238	586	3,215
Chiropractors	(136)	(50)	13	(174)
Clinical Laboratory Technologists and Technicians	591	230	201	1,027
Clinical, Counseling, and School Psychologists	479	33	105	619
Community and Social Service Specialists, All Other	327	(67)	(6)	260
Community Health Workers	276	20	(41)	258
Dental Assistants	618	-66	59	609
Dental Hygienists	(519)	(225)	(55)	(793)
Dental Laboratory Technicians	96	<10	<10	183
Dentists, General	136	(4)	2	132
Dentists, Oral and Maxillofacial Surgeons	8	<10	<10	22
Dentists, Orthodontists	(17)	<10	<10	0
Dentists, Prosthodontists	<10	?	?	<10
Diagnostic Medical Sonographers	215	35	59	308
Dietetic Technicians	25	(38)	<10	16
Dietitians and Nutritionists	121	5	46	171
Emergency Management Directors	25	<10	<10	51
Emergency Medical Technicians and Paramedics	18	177	40	236
Environmental Science and Protection Technicians, Including Health	(124)	17	9	(97)
Environmental Scientists and Specialists	359	(3)	(29)	328
Epidemiologists	22	<10	<10	41
Exercise Physiologists	8	<10	<10	34
Genetic Counselors	7	<10	0	13
Health and Safety Engineers	(80)	15	(12)	(77)
Health Education Specialists	195	(14)	9	189
Health Information Technologists and Medical Registrars	(88)	(134)	0	(223)
Healthcare Social Workers	367	14	98	474
Hearing Aid Specialists	(2)	<10	<10	17
Home Health and Personal Care Aides	9,239	2,908	2,429	14,550
Licensed Practical Nurses	2,249	594	448	3,284
Magnetic Resonance Imaging Technologists	(313)	(5)	9	(309)
Marriage and Family Therapists	82	25	8	112
Massage Therapists	(1,003)	(60)	92	(970)
Medical and Health Services Managers	601	140	193	950
Medical Assistants	(1,039)	(23)	87	(968)
Medical Records Specialists and Health Information Technicians	(518)	(195)	65	(642)
Medical Scientists	767	102	142	1,003
Medical Secretaries and Administrative Assistants	1,733	488	410	2,620

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Occupation	Clark	Washoe	Balance of State	Nevada
Medical Transcriptionists	(569)	(108)	41	(634)
Mental Health and Substance Abuse Social Workers	274	48	99	424
Nuclear Medicine Technologists	57	(14)	<10	64
Nurse Anesthetists	199	<10	<10	307
Nurse Midwives	7	(5)	0	12
Nurse Practitioners	428	128	73	626
Nursing Assistants	3,693	672	658	5,055
Occupational Therapists	150	51	87	289
Occupational Therapy Aides	13	<10	<10	22
Occupational Therapy Assistants	29	17	-13	34
Ophthalmic Laboratory Technicians	64	-18	<10	74
Ophthalmic Medical Technicians	34	(24)	(19)	(7)
Opticians, Dispensing	(169)	(22)	16	(176)
Optometrists	(169)	(27)	8	(188)
Orthotists and Prosthetists	57	(27)	2	31
Pharmacists	(43)	(74)	155	33
Pharmacy Aides	(35)	(17)	(4)	(56)
Pharmacy Technicians	(532)	(71)	84	(509)
Phlebotomists	443	144	91	675
Physical Therapist Aides	32	(5)	(94)	(66)
Physical Therapist Assistants	261	47	11	324
Physical Therapists	267	51	47	356
Physician Assistants	187	0	54	241
Physicians, Anesthesiologists	(190)	2	(84)	(272)
Physicians, Family Medicine	190	51	10	255
Physicians, Internal Medicine	164	11	(47)	129
Physicians, Obstetrics and Gynecology	30	<10	<10	82
Physicians, Pediatricians	57	26	<10	115
Physicians, Psychiatrists	124	<10	<10	193
Physicians, Surgeons	132	(11)	<10	165
Physicians, All Other Specialists	394	(262)	297	448
Podiatrists	(21)	(14)	<10	(20)
Psychiatric Aides	250	12	<10	324
Psychiatric Technicians	(534)	(335)	38	(830)
Radiation Therapists	(33)	12	0	0
Radiologic Technologists and Technicians	522	(13)	88	591
Recreational Therapists	64	<10	(26)	68
Registered Nurses	1,396	325	1,386	3,162
Rehabilitation Counselors	434	95	47	569
Respiratory Therapists	(353)	(47)	53	(346)
Social and Community Service Managers	621	33	4	664
Social and Human Service Assistants	1,501	64	34	1,587
Speech-Language Pathologists	358	5	83	446
Substance Abuse, Behavioral Disorder, & Mental Health Counselors	1,517	77	129	1,714
Surgical Technologists	(195)	(27)	63	(158)

Source: Nevada Department of Employment, Training and Rehabilitation, Research and Analysis Bureau (2023).

Figure 84: Additional Jobs Needed to Meet the National Average – Ambulatory Care

Type of Ambulatory Care	2021 Employment	Location Quotient	Number Needed to be Average
Offices of Physicians, except Psychiatry	23,229	0.94	1,483
Offices of Physicians, Psychiatry	457	0.66	235
Offices of Dentists	9,899	1.05	(471)
Offices of Chiropractors	1,587	1.06	(90)
Offices of Optometrists	1,892	1.35	(491)
Offices of Mental Health Practitioners, except Psychiatry	1,501	0.89	186
Offices of Physical, Occupational, Speech Therapists, and Audiologists	3,547	0.90	394
Offices of Podiatrists	269	0.86	44
All Offices of Other Health Practitioners	1,450	0.88	198
Family Planning Centers	171	0.61	109
Outpatient Mental Health and Substance Abuse Centers	912	0.35	1,694
HMO Medical Centers	1,085	0.58	786
Kidney Dialysis Centers	1,379	1.07	(90)
Freestanding Ambulatory Surgical and Emergency Centers	2,235	1.37	(604)
All Other Outpatient Care Centers	1,452	0.70	622
Medical Laboratories	2,470	1.16	(341)
Diagnostic Imaging Centers	2,342	3.04	(1,572)
Home Health Care Services	6,509	0.45	7,955
Ambulance Services	1,997	1.22	(360)
Blood and Organ Banks	1,007	1.38	(277)
All Other Miscellaneous Ambulatory Health Care Services	500	0.58	362
Total – Ambulatory Care	65,890	–	9,773

Source: Nevada Department of Employment, Training and Rehabilitation, Research and Analysis Bureau (2023).

Figure 85: Additional Jobs Needed to Meet the National Average – Hospitals

Type of Hospital	2020 Employment	Location Quotient	Number Needed to be Average
General Medical and Surgical Hospitals	30,277	0.69	13,603
Psychiatric and Substance Abuse Hospitals	1,370	1.21	(238)
Other Specialty Hospitals	2,506	1.14	(308)
Total – Hospitals	34,153	–	13,057

Source: Nevada Department of Employment, Training and Rehabilitation, Research and Analysis Bureau (2023).

Figure 86: Additional Jobs Needed to Meet the National Average – Nursing and Residential Care

Type of Nursing and Residential Care	2021 Employment	Location Quotient	Number Needed to be Average
Nursing Care Facilities (Skilled Nursing Facilities)	7,029	0.54	5,988
Residential Intellectual and Developmental Disability Facilities	1,421	0.40	2,132
Residential Mental Health and Substance Abuse Facilities	1,734	0.81	407
Continuing Care Retirement Communities	1,341	0.32	2,850
Assisted Living Facilities for the Elderly	2,792	0.69	1,254
Other Residential Care Facilities	445	0.31	990
Total – Nursing and Residential Care	14,762	–	13,620

Source: Nevada Department of Employment, Training and Rehabilitation, Research and Analysis Bureau (2023).

Figure 87: Additional Jobs Needed to Meet the National Average – Social Assistance

Type of Social Assistance	2021 Employment	Location Quotient	Number Needed to be Average
Child and Youth Services	2,260	1.12	(242)
Services for the Elderly and Persons with Disabilities	12,428	0.64	6,991
Other Individual and Family Services	2,553	0.54	2,175
Community Food Services	338	0.88	46
Temporary Shelters	500	0.66	258
Other Community Housing Services	240	0.62	147
Emergency and Other Relief Services	44	0.15	249
Vocational Rehabilitation Services	1,783	0.70	764
Child Day Care Services	5,618	0.54	4,786
Total – Social Assistance	25,764	–	15,173

Source: Nevada Department of Employment, Training and Rehabilitation, Research and Analysis Bureau (2023).

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Appendix

Figure A-1: CIP Codes and Minimum Education Requirements by Professions

Occupation	CIP Code	Minimum Education	Award Level Code
Audiologists	51.0202	Professional degree (doctoral level)	18, 19
Chiropractors	51.0101	Professional degree (doctoral level)	18, 19
Clinical Psychologists	42.2801	Professional degree (master's level)	7, 8, 18, 19
Dental Assistants	51.0601	Post-secondary certificate	1, 2, 3, 4, 5, 20, 21
Dental Hygienists	51.0602	Associate's degree	3, 5
Dentists	51.0401	Professional degree (doctoral level)	18, 19
Diagnostic Medical Sonographers	51.0910	Associate's degree	3, 4, 5
Dietitians and Nutritionists	51.3101, 51.3102	Bachelor's degree	5
Dietetic Technicians	51.3103	Associate's degree	3
Emergency Medical Technicians	51.0904	Post-secondary certificate	1, 2
Licensed Practical Nurses	51.3901	Post-secondary certificate	1, 2, 3, 20, 21
Medical and Clinical Laboratory Technologists	51.1005	Bachelor's degree	5
Nuclear Medicine Technicians	51.0905	Associate's degree	3, 5
Nurse Anesthetists	51.3804	Professional degree (master's level)	7, 8, 18, 19
Nurse Midwives	51.3807	Professional degree (master's level)	7, 8, 18, 19
Occupational Therapy Assistants	51.0803	Associate's degree	3
Occupational Therapists	51.2306	Professional degree (master's level)	7, 17, 18, 19
Optometrists	51.1701	Professional degree (doctoral level)	18, 19
Paramedics	51.0904	Post-secondary certificate	1, 2, 3, 20, 21
Pharmacists	51.2001	Professional degree (doctoral level)	18, 19
Physical Therapist Assistants	51.0806	Associate's degree	3
Physical Therapists	51.2308	Professional degree (doctoral level)	18, 19
Physician Assistants	51.0912	Professional degree (master's level)	5, 7
Physicians	51.1201, 51.1202, 51.1901	Professional degree (doctoral level)	18, 19
Podiatrists	51.1203, 51.2101	Professional degree (doctoral level)	18, 19, 36
Psychologists	42.0101	Professional degree (master's level)	7, 8, 18, 19
Radiation Therapists	51.0907	Associate's degree	3, 5
Radiologic Technologists and Technicians	51.0911	Associate's degree	3, 4, 5
Recreational Therapists	51.2309	Bachelor's degree	5
Registered Nurses	51.3801	Associate's degree	3, 4, 5
Respiratory Therapists	51.0908	Associate's degree	3, 5
Social Workers	51.1503, 44.0701, 44.0702, 44.0799	Professional degree (master's level)	7
Speech-language Pathologists	51.0203	Professional degree (master's level)	7

Figure A-2: Award Level Codes

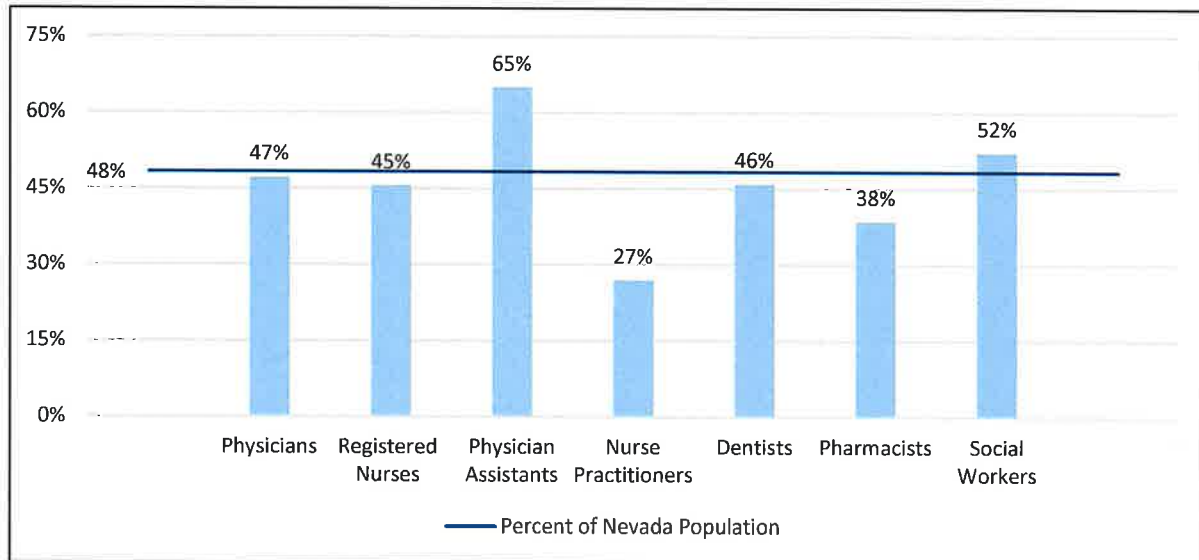
1	Award of less than 1 academic year
2	Award of at least 1 but less than 2 academic years
3	Associate's degree
4	Award of at least 2 but less than 4 academic years
5	Bachelor's degree
6	Postbaccalaureate certificate
7	Master's degree
8	Post-master's certificate
17	Doctor's degree - research/scholarship
18	Doctor's degree - professional practice
19	Doctor's degree - other
20	Certificates of less than 12 weeks
21	Certificates of at least 12 weeks but less than 1 year

Figure A-3: Availability of Health Professions Data from Nevada State Licensing Boards and Integrated Postsecondary Education Data System (IPEDS)

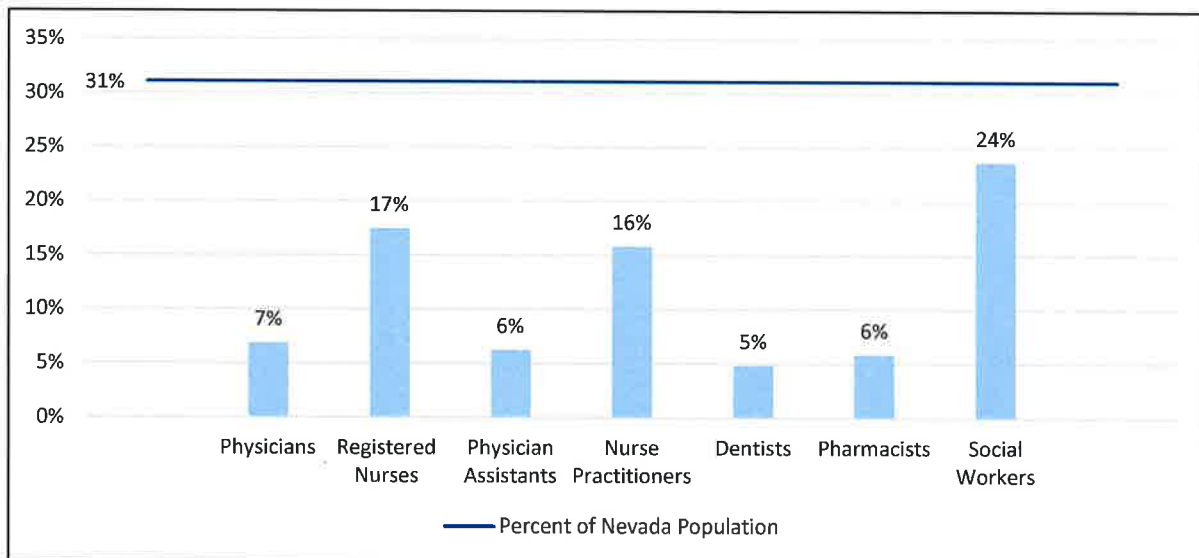
Professions	Licensure Board	IPEDS
Advanced Practitioners of Nursing	✓	✓
Alcohol and Drug Counselors	✓	
Audiologists	✓	
Chiropractors	✓	
Clinical Professional Counselors	✓	
Community Health Workers		
Dental Assistants		✓
Dental Hygienists	✓	✓
Dentists	✓	✓
Diagnostic Medical Sonographers		✓
Dietitians and Nutritionists	✓	✓
Dietetic Technicians		
Emergency Medical Technicians	✓	✓
Marriage and Family Therapists	✓	✓
Medical and Clinical Laboratory Technologists	✓	✓
Medical Assistants		✓
Nuclear Medicine Technicians		✓
Nurse Anesthetists	✓	
Nursing Assistants/Aides	✓	✓
Nurse Midwives	✓	
Occupational Therapy Assistants	✓	✓
Occupational Therapists	✓	✓
Optometrists	✓	
Paramedics	✓	✓
Pharmacists	✓	✓
Pharmacy Technicians	✓	✓
Physical Therapist Assistants	✓	✓
Physical Therapists	✓	✓
Physician Assistants (PAs)	✓	✓
Physicians (MDs & DOs)	✓	✓
Podiatrists	✓	
Practical Nurses	✓	✓
Psychiatrists	✓	
Psychologists	✓	✓
Psychologists - Clinical	✓	
Radiation Therapists		✓
Radiologic Technologists and Technicians		✓
Registered Nurses (RNs)	✓	✓
Respiratory Therapists	✓	✓
Social Workers	✓	✓
Social Workers - Clinical	✓	
Speech-language Pathologists	✓	✓

Figure A-4: Degrees & Certificates Awarded by Race-Ethnicity AY 16-21

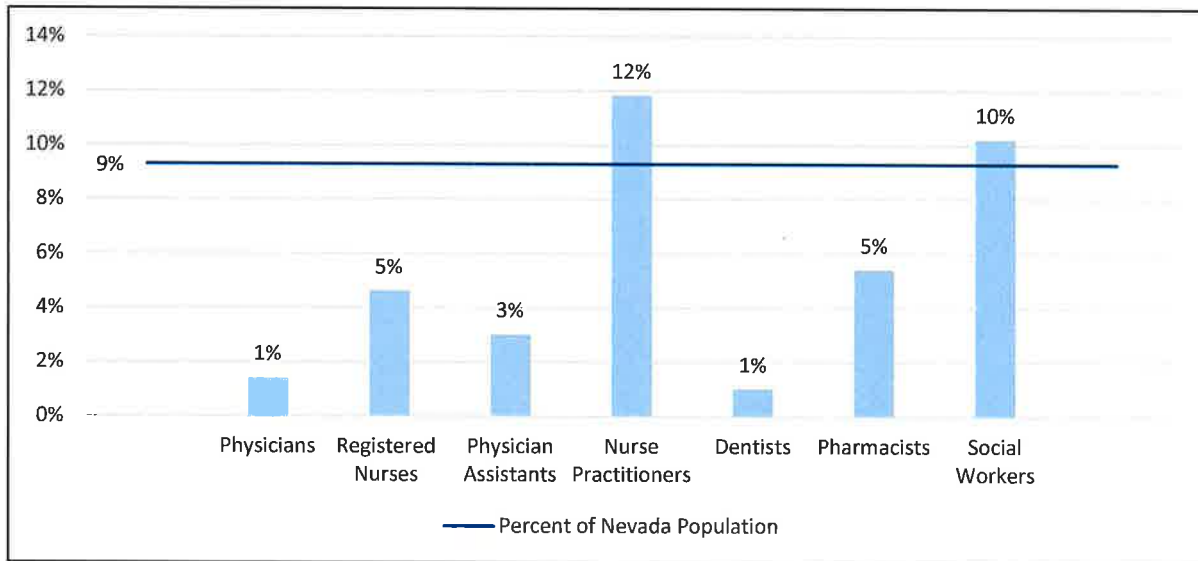
White Graduates of Nevada Health Care Education Programs



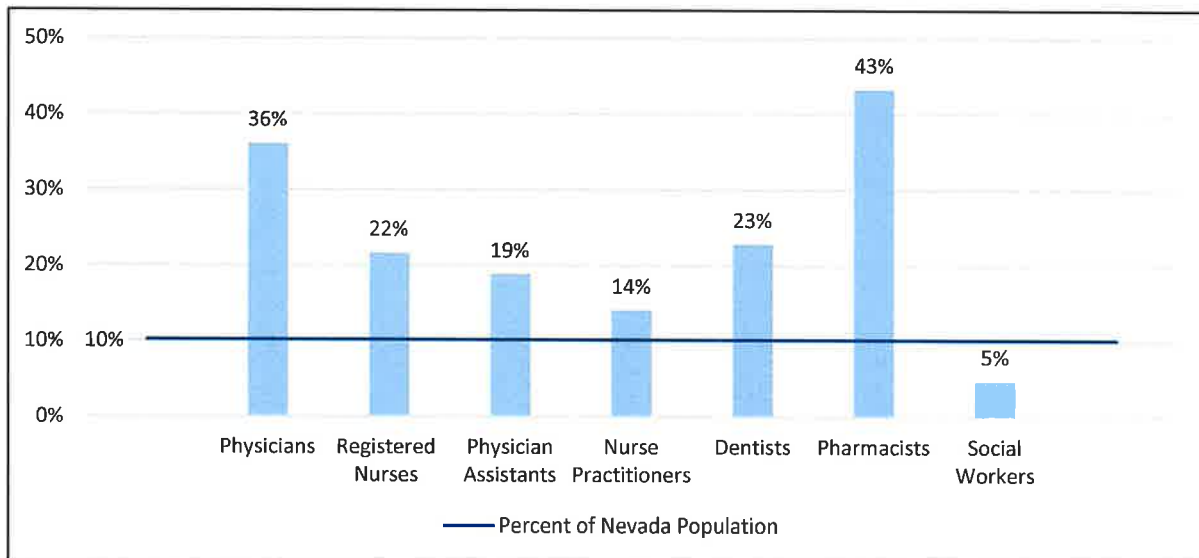
Hispanic Graduates of Nevada Health Care Education Programs



Black Graduates of Nevada Health Care Education Programs



Asian Graduates of Nevada Health Care Education Programs



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