



CENTER OF EXCELLENCE  
FOR LABOR MARKET RESEARCH

**ORANGE COUNTY**

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ORANGE COUNTY SECTOR PROFILE  
SUPPLEMENTAL APPENDICES:  
**HEALTH**

**2024**

A photograph of two medical professionals, a Black woman in green scrubs and a white woman in a white lab coat with a stethoscope, looking at a large document or chart. The image is overlaid with a semi-transparent blue filter.

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**ORANGE COUNTY  
REGIONAL CONSORTIUM**

**WORKFORCE  
DEVELOPMENT ALLIANCE**



California  
Community  
Colleges

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# INTRODUCTION

The Orange County Center of Excellence for Labor Market Research (OC COE) is releasing a series of 12 sector profiles to provide a comprehensive analysis of Orange County's occupational landscape. This series dives into each of the 12 community college sectors, offering historical and projected occupational insights while building upon foundational research established through the Orange County Labor Market Overview.

In addition to the profiles themselves, supplemental appendices for each sector are being issued to provide detailed demand and supply data. The data in these appendices are presented to the region with the intent of being utilized for grant applications, project proposals, and the like. The full [Health Sector Profile](#) is available on the COE Website.

Occupations are denoted throughout this report in italics, with their corresponding SOC code in parentheses. Middle-skill occupations have no special notation however, below middle-skill occupations are denoted with an \* and above middle-skill occupations denoted with a ^. Occupations that are on U.S. News & World Report's 2024 100 Best Jobs list are denoted by a #, such as, '*Medical and Health Services Managers (11-9111)^#*'.

By examining this labor market data, in conjunction with the individual sector profiles, the OC COE seeks to highlight underlying dynamics and intricacies shaping each sector in Orange County. Community colleges and regional stakeholders can use this information for strategic planning and data-informed decision making to address workforce needs in this sector.

## APPENDIX D: HEALTH DEMAND – LABOR MARKET DATA

Exhibit 23 shows the traditional labor market data points for all 101 occupations analyzed in the Health Sector Profile. Below middle-skill occupations are indicated with light shading, middle-skill occupations are denoted with medium shading, and above middle-skill occupations are indicated with dark shading.

**Exhibit 23: Occupational Demand for the 101 Health Occupations**

Skill Level	SOC	Occupation	2022 Jobs	2027 Jobs	5-Yr Change	5-Yr % Change	Annual Openings	Pct. 25 Hourly Earnings	Median Hourly Earnings	Pct. 75 Hourly Earnings	Typical Entry Level Education	Work Experience Required	Typical On-The-Job Training
Below Middle-Skill	31-9095	Pharmacy Aides*	1,086	1,088	2	0%	191	\$16.46	\$18.29	\$24.80	High school diploma or equivalent	None	Short-term on-the-job training
	51-9082	Medical Appliance Technicians*	1,082	1,160	78	7%	164	\$16.86	\$23.01	\$23.51	High school diploma or equivalent	None	Moderate-term on-the-job training
	39-9041	Residential Advisors*	626	723	98	16%	134	\$16.78	\$19.20	\$22.41	High school diploma or equivalent	None	Short-term on-the-job training
	31-1132	Orderlies*	418	449	31	7%	73	\$17.32	\$19.69	\$24.02	High school diploma or equivalent	None	Short-term on-the-job training
	29-2092	Hearing Aid Specialists*##	141	159	18	13%	14	\$20.02	\$28.60	\$36.36	High school diploma or equivalent	None	Moderate-term on-the-job training
Middle-Skill	31-1128	Home Health and Personal Care Aides	55,559	69,312	13,753	25%	12,093	\$14.05	\$15.05	\$15.63	High school diploma or equivalent	None	Short-term on-the-job training
	29-1141	Registered Nurses##	25,617	27,982	2,365	9%	1,996	\$48.32	\$60.39	\$67.22	Bachelor's degree	None	None
	31-9092	Medical Assistants	10,273	11,587	1,315	13%	1,775	\$18.29	\$19.26	\$22.82	Postsecondary nondegree award	None	None
	31-1131	Nursing Assistants	9,304	10,378	1,073	12%	1,683	\$18.63	\$19.45	\$22.68	Postsecondary nondegree award	None	None
	43-6013	Medical Secretaries and Administrative Assistants	10,356	11,322	966	9%	1,438	\$18.07	\$22.55	\$26.13	High school diploma or equivalent	None	Moderate-term on-the-job training
	31-9091	Dental Assistants	6,521	7,261	740	11%	1,132	\$18.31	\$22.08	\$22.89	Postsecondary nondegree award	None	None
	31-9011	Massage Therapists##	4,618	5,410	792	17%	831	\$14.91	\$22.89	\$36.47	Postsecondary nondegree award	None	None
	29-2061	Licensed Practical and Licensed Vocational Nurses##	6,721	7,395	674	10%	704	\$30.74	\$32.68	\$38.23	Postsecondary nondegree award	None	None

Skill Level	SOC	Occupation	2022 Jobs	2027 Jobs	5-Yr Change	5-Yr % Change	Annual Openings	Pct. 25 Hourly Earnings	Median Hourly Earnings	Pct. 75 Hourly Earnings	Typical Entry Level Education	Work Experience Required	Typical On-The-Job Training
Middle-Skill	21-1093	Social and Human Service Assistants	4,327	4,998	672	16%	659	\$17.33	\$21.20	\$26.32	High school diploma or equivalent	None	Short-term on-the-job training
	29-2052	Pharmacy Technicians <sup>#</sup>	3,663	3,866	203	6%	380	\$19.87	\$23.04	\$27.70	High school diploma or equivalent	None	Moderate-term on-the-job training
	31-9097	Phlebotomists	1,816	2,158	342	19%	348	\$21.67	\$23.97	\$27.21	Postsecondary nondegree award	None	None
	29-1292	Dental Hygienists <sup>#</sup>	3,126	3,525	398	13%	296	\$51.60	\$53.54	\$62.10	Associate degree	None	None
	31-9099	Healthcare Support Workers, All Other	1,595	1,771	176	11%	272	\$18.35	\$22.83	\$28.86	High school diploma or equivalent	None	None
	29-2042	Emergency Medical Technicians	1,958	2,297	339	17%	229	\$16.78	\$17.35	\$23.10	Postsecondary nondegree award	None	None
	51-9081	Dental Laboratory Technicians	1,454	1,576	122	8%	227	\$18.57	\$26.91	\$37.72	High school diploma or equivalent	None	Moderate-term on-the-job training
	29-2072	Medical Records Specialists <sup>#</sup>	2,252	2,416	164	7%	198	\$21.39	\$28.19	\$35.07	Postsecondary nondegree award	None	None
	31-2021	Physical Therapist Assistants <sup>#</sup>	932	1,141	209	22%	185	\$32.65	\$38.65	\$42.52	Associate degree	None	None
	29-2099	Health Technologists and Technicians, All Other	1,851	2,059	208	11%	180	\$19.17	\$23.43	\$29.31	Postsecondary nondegree award	None	None
	31-9094	Medical Transcriptionists	977	977	0	0%	167	\$14.12	\$14.47	\$17.83	Postsecondary nondegree award	None	None
	31-2022	Physical Therapist Aides	907	1,016	110	12%	156	\$14.95	\$16.11	\$17.95	High school diploma or equivalent	None	Short-term on-the-job training
	29-2034	Radiologic Technologists and Technicians	1,675	1,905	230	14%	142	\$31.42	\$42.54	\$51.72	Associate degree	None	None
	29-2081	Opticians, Dispensing <sup>#</sup>	1,060	1,213	153	14%	126	\$20.76	\$21.58	\$28.67	High school diploma or equivalent	None	Long-term on-the-job training
	21-1094	Community Health Workers <sup>#</sup>	808	919	111	14%	115	\$18.36	\$21.81	\$27.09	High school diploma or equivalent	None	Short-term on-the-job training
	29-2053	Psychiatric Technicians	822	973	152	18%	107	\$18.92	\$23.27	\$28.71	Postsecondary nondegree award	Less than 5 years	Short-term on-the-job training
31-9093	Medical Equipment Preparers	645	701	57	9%	106	\$21.55	\$24.76	\$30.81	High school diploma or equivalent	None	Moderate-term on-the-job training	
31-2011	Occupational Therapy Assistants <sup>#</sup>	460	560	100	22%	98	\$32.94	\$37.83	\$39.51	Associate degree	None	None	

Skill Level	SOC	Occupation	2022 Jobs	2027 Jobs	5-Yr Change	5-Yr % Change	Annual Openings	Pct. 25 Hourly Earnings	Median Hourly Earnings	Pct. 75 Hourly Earnings	Typical Entry Level Education	Work Experience Required	Typical On-The-Job Training
Middle-Skill	29-1126	Respiratory Therapists#	1,212	1,335	124	10%	91	\$36.60	\$39.51	\$48.81	Associate degree	None	None
	29-2032	Diagnostic Medical Sonographers#	822	963	141	17%	76	\$45.46	\$51.65	\$62.80	Associate degree	None	None
	29-2055	Surgical Technologists	808	892	84	10%	74	\$28.31	\$31.04	\$38.81	Postsecondary nondegree award	None	None
	29-2057	Ophthalmic Medical Technicians#	365	446	81	22%	60	\$17.97	\$23.06	\$24.38	Postsecondary nondegree award	None	None
	29-9099	Healthcare Practitioners and Technical Workers, All Other	477	534	57	12%	43	\$21.69	\$31.07	\$50.67	Postsecondary nondegree award	None	None
	29-2043	Paramedics	457	536	79	17%	42	\$24.70	\$29.40	\$37.86	Postsecondary nondegree award	None	None
	29-2031	Cardiovascular Technologists and Technicians	446	485	39	9%	38	\$27.55	\$31.16	\$49.54	Associate degree	None	None
	29-2051	Dietetic Technicians	281	300	19	7%	35	\$16.51	\$18.43	\$23.15	Associate degree	None	None
	29-2035	Magnetic Resonance Imaging Technologists	293	350	57	19%	30	\$40.30	\$53.88	\$63.87	Associate degree	Less than 5 years	None
	29-9021	Health Information Technologists and Medical Registrars	301	343	42	14%	29	\$27.66	\$39.09	\$49.25	Postsecondary nondegree award	None	None
	31-1133	Psychiatric Aides	147	168	21	14%	29	\$15.76	\$19.63	\$27.87	High school diploma or equivalent	None	Short-term on-the-job training
	29-2033	Nuclear Medicine Technologists	122	136	14	12%	10	\$51.32	\$62.36	\$65.75	Associate degree	None	None
	29-9093	Surgical Assistants	88	102	14	16%	9	\$17.09	\$23.03	\$29.76	Postsecondary nondegree award	None	None
	31-2012	Occupational Therapy Aides	30	35	5	17%	6	\$25.44	\$30.59	\$35.59	High school diploma or equivalent	None	Short-term on-the-job training
	29-1124	Radiation Therapists	73	82	9	13%	5	\$45.89	\$60.72	\$65.41	Associate degree	None	None
29-2036	Medical Dosimetrists	<10	<10	Insf. Data	Insf. Data	0	Insf. Data	Insf. Data	Insf. Data	Postsecondary nondegree award	None	None	

Skill Level	SOC	Occupation	2022 Jobs	2027 Jobs	5-Yr Change	5-Yr % Change	Annual Openings	Pct. 25 Hourly Earnings	Median Hourly Earnings	Pct. 75 Hourly Earnings	Typical Entry Level Education	Work Experience Required	Typical On-The-Job Training
Above Middle-Skill	11-9111	Medical and Health Services Managers <sup>^#</sup>	4,314	5,239	925	21%	553	\$40.87	\$61.10	\$81.26	Bachelor's degree	Less than 5 years	None
	21-1018	Substance Abuse, Behavioral Disorder, and Mental Health Counselors <sup>^#</sup>	3,363	4,202	839	25%	513	\$20.80	\$23.88	\$37.37	Bachelor's degree	None	None
	29-1123	Physical Therapists <sup>^#</sup>	2,741	3,134	392	14%	207	\$45.50	\$48.34	\$59.33	Doctoral or professional degree	None	None
	29-1171	Nurse Practitioners <sup>^#</sup>	1,696	2,239	543	32%	207	\$58.95	\$75.56	\$81.90	Master's degree	None	None
	21-1023	Mental Health and Substance Abuse Social Workers <sup>^</sup>	1,461	1,706	245	17%	191	\$27.04	\$38.23	\$46.91	Master's degree	None	Internship/residency
	29-1127	Speech-Language Pathologists <sup>^#</sup>	1,659	1,956	298	18%	167	\$39.16	\$48.81	\$60.59	Master's degree	None	Internship/residency
	29-1051	Pharmacists <sup>^#</sup>	3,269	3,421	152	5%	161	\$64.31	\$68.98	\$81.86	Doctoral or professional degree	None	None
	21-1022	Healthcare Social Workers <sup>^</sup>	1,184	1,383	199	17%	158	\$30.01	\$37.26	\$48.89	Master's degree	None	Internship/residency
	29-1071	Physician Assistants <sup>^#</sup>	1,502	1,792	290	19%	149	\$59.36	\$68.09	\$79.07	Master's degree	None	None
	29-1021	Dentists, General <sup>^#</sup>	3,058	3,300	243	8%	142	\$29.77	\$72.68	\$137.00	Doctoral or professional degree	None	None
	29-1122	Occupational Therapists <sup>^#</sup>	1,511	1,707	196	13%	132	\$46.37	\$48.94	\$57.16	Master's degree	None	None
	19-1042	Medical Scientists, Except Epidemiologists <sup>^</sup>	1,535	1,680	145	9%	127	\$46.34	\$51.75	\$62.49	Doctoral or professional degree	None	None
	19-3039	Psychologists, All Other <sup>^#</sup>	1,104	1,239	135	12%	107	\$28.87	\$47.21	\$72.68	Master's degree	None	Internship/residency
	29-1031	Dietitians and Nutritionists <sup>^#</sup>	1,153	1,267	114	10%	102	\$14.93	\$35.28	\$41.68	Bachelor's degree	None	Internship/residency
	19-3033	Clinical and Counseling Psychologists <sup>^</sup>	774	935	161	21%	87	\$38.24	\$55.37	\$67.96	Doctoral or professional degree	None	Internship/residency
29-1041	Optometrists <sup>^#</sup>	1,336	1,531	195	15%	81	\$35.36	\$58.91	\$65.76	Doctoral or professional degree	None	None	
21-1029	Social Workers, All Other <sup>^#</sup>	634	696	62	10%	74	\$21.95	\$28.44	\$38.62	Bachelor's degree	None	None	

Skill Level	SOC	Occupation	2022 Jobs	2027 Jobs	5-Yr Change	5-Yr % Change	Annual Openings	Pct. 25 Hourly Earnings	Median Hourly Earnings	Pct. 75 Hourly Earnings	Typical Entry Level Education	Work Experience Required	Typical On-The-Job Training
Above Middle-Skill	29-1229	Physicians, All Other <sup>^</sup>	1,481	1,622	141	10%	72	\$53.62	\$118.74	\$139.43	Doctoral or professional degree	None	Internship/residency
	19-3034	School Psychologists <sup>^#</sup>	786	827	41	5%	71	\$36.69	\$49.13	\$52.50	Doctoral or professional degree	None	Internship/residency
	21-1091	Health Education Specialists <sup>^#</sup>	515	569	54	10%	69	\$22.05	\$30.90	\$48.45	Bachelor's degree	None	None
	21-1015	Rehabilitation Counselors <sup>^</sup>	614	661	48	8%	68	\$15.27	\$16.31	\$21.52	Master's degree	None	None
	29-1291	Acupuncturists <sup>^</sup>	537	577	40	8%	44	\$27.13	\$37.67	\$77.02	Master's degree	None	None
	29-1215	Family Medicine Physicians <sup>^</sup>	966	1,032	66	7%	43	\$79.08	\$108.65	\$137.02	Doctoral or professional degree	None	Internship/residency
	29-1011	Chiropractors <sup>^</sup>	727	773	46	6%	33	\$20.93	\$35.57	\$53.13	Doctoral or professional degree	None	None
	29-1216	General Internal Medicine Physicians <sup>^</sup>	645	692	47	7%	28	\$43.46	\$88.89	\$197.68	Doctoral or professional degree	None	Internship/residency
	29-1223	Psychiatrists <sup>^#</sup>	589	643	54	9%	28	\$81.61	\$158.22	\$184.82	Doctoral or professional degree	None	Internship/residency
	29-1211	Anesthesiologists <sup>^#</sup>	674	706	32	5%	27	\$89.43	\$165.38	\$216.97	Doctoral or professional degree	None	Internship/residency
	29-9091	Athletic Trainers <sup>^</sup>	222	264	42	19%	24	\$20.21	\$27.78	\$32.21	Bachelor's degree	None	None
	29-2091	Orthotists and Prosthetists <sup>^#</sup>	183	224	41	23%	23	\$31.30	\$41.23	\$45.64	Master's degree	None	Internship/residency
	29-1221	Pediatricians, General <sup>^#</sup>	458	484	27	6%	19	\$67.66	\$90.38	\$114.44	Doctoral or professional degree	None	Internship/residency
	29-1242	Orthopedic Surgeons, Except Pediatric <sup>^</sup>	553	576	23	4%	19	\$138.35	\$149.56	\$153.69	Doctoral or professional degree	None	Internship/residency
	29-1299	Healthcare Diagnosing or Treating Practitioners, All Other <sup>^</sup>	171	199	28	16%	19	\$13.16	\$31.32	\$56.52	Master's degree	None	None
	29-1222	Physicians, Pathologists <sup>^</sup>	320	357	37	12%	17	\$64.45	\$114.04	\$128.96	Doctoral or professional degree	None	Internship/residency
29-1151	Nurse Anesthetists <sup>^#</sup>	179	213	35	19%	16	\$98.35	\$136.64	\$163.04	Master's degree	None	None	
29-1217	Neurologists <sup>^</sup>	358	380	21	6%	15	\$117.32	\$142.31	\$183.05	Doctoral or professional degree	None	Internship/residency	



Skill Level	SOC	Occupation	2022 Jobs	2027 Jobs	5-Yr Change	5-Yr % Change	Annual Openings	Pct. 25 Hourly Earnings	Median Hourly Earnings	Pct. 75 Hourly Earnings	Typical Entry Level Education	Work Experience Required	Typical On-The-Job Training
Above Middle-Skill	29-1181	Audiologists <sup>^#</sup>	195	216	21	11%	13	\$42.05	\$42.05	\$51.40	Doctoral or professional degree	None	None
	29-1214	Emergency Medicine Physicians <sup>^</sup>	280	304	24	8%	13	\$97.06	\$129.50	\$155.02	Doctoral or professional degree	None	Internship/residency
	29-1212	Cardiologists <sup>^</sup>	285	303	18	6%	12	\$105.05	\$159.31	\$189.79	Doctoral or professional degree	None	Internship/residency
	29-1218	Obstetricians and Gynecologists <sup>^#</sup>	279	294	16	6%	12	\$98.90	\$130.70	\$160.16	Doctoral or professional degree	None	Internship/residency
	29-1224	Radiologists <sup>^</sup>	214	239	25	12%	11	\$103.52	\$176.62	\$223.25	Doctoral or professional degree	None	Internship/residency
	29-1125	Recreational Therapists <sup>^</sup>	88	99	11	13%	10	\$23.99	\$31.90	\$43.50	Bachelor's degree	None	None
	29-1128	Exercise Physiologists <sup>^</sup>	110	121	11	10%	10	\$18.00	\$29.47	\$42.61	Bachelor's degree	None	None
	29-1081	Podiatrists <sup>^#</sup>	194	212	18	9%	9	\$50.03	\$88.92	\$115.28	Doctoral or professional degree	None	Internship/residency
	29-1249	Surgeons, All Other <sup>^</sup>	233	248	15	6%	9	\$59.16	\$112.01	\$165.26	Doctoral or professional degree	None	Internship/residency
	29-1241	Ophthalmologists, Except Pediatric <sup>^</sup>	208	221	12	6%	8	\$41.87	\$101.37	\$131.90	Doctoral or professional degree	None	Internship/residency
	19-1041	Epidemiologists <sup>^#</sup>	73	85	12	17%	7	\$29.47	\$42.74	\$52.32	Master's degree	None	None
	29-1161	Nurse Midwives <sup>^#</sup>	78	87	9	12%	6	\$65.90	\$86.63	\$105.72	Master's degree	None	None
	29-1023	Orthodontists <sup>^#</sup>	81	88	7	8%	4	\$91.01	\$103.43	\$137.31	Doctoral or professional degree	None	Internship/residency
	29-1213	Dermatologists <sup>^</sup>	83	90	7	8%	4	\$97.25	\$201.03	\$244.58	Doctoral or professional degree	None	Internship/residency
	29-1022	Oral and Maxillofacial Surgeons <sup>^#</sup>	46	50	4	9%	2	\$115.00	\$153.96	\$190.70	Doctoral or professional degree	None	Internship/residency
	29-1029	Dentists, All Other Specialists <sup>^</sup>	43	46	3	6%	2	\$34.55	\$99.70	\$124.58	Doctoral or professional degree	None	Internship/residency
	29-9092	Genetic Counselors <sup>^#</sup>	15	20	5	30%	2	\$45.73	\$56.57	\$60.59	Master's degree	None	None
29-1024	Prosthodontists <sup>^</sup>	10	11	1	11%	1	\$40.73	\$48.26	\$92.96	Doctoral or professional degree	None	Internship/residency	
29-1243	Pediatric Surgeons <sup>^</sup>	<10	<10	Insf. Data	Insf. Data	0	Insf. Data	Insf. Data	Insf. Data	Insf. Data	Doctoral or professional degree	None	Internship/residency

## APPENDIX E: HEALTH SUPPLY – COMMUNITY COLLEGE AND NON-COMMUNITY COLLEGE AWARDS

This appendix provides labor market supply information, which equates to educational awards, for the Health sector.

Exhibit 24 shows the distribution of community college awards in Orange County by program in the Health sector.

**Exhibit 24: Health Community College Awards by Program, 2020-2023**

TOP	Program	2020-2021 Awards	2021-2022 Awards	2022-2023 Awards	3-Year Award Average
0514.20	Medical Office Technology	-	-	-	-
0835.20	Fitness Trainer	65	74	44	61
1201.00	Health Occupations, General	249	248	221	239
1202.00	Hospital and Health Care Administration	185	83	0	89
1205.00	Medical Laboratory Technology	27	17	25	23
1205.10	Phlebotomy	1	0	11	4
1206.00	Physicians Assistant	-	-	-	-
1208.00	Medical Assisting	350	274	212	279
1208.10	Clinical Medical Assisting	13	21	10	15
1208.20	Administrative Medical Assisting	25	92	112	76
1208.30	Health Facility Unit Coordinator	-	-	-	-
1209.00	Hospital Central Service Technician	-	-	-	-
1210.00	Respiratory Care/Therapy	18	13	15	15
1211.00	Polysomnography	14	0	10	8
1212.00	Electro-Neurodiagnostic Technology	0	11	0	4
1213.00	Cardiovascular Technician	13	10	14	12
1214.00	Orthopedic Assistant	-	-	-	-
1215.00	Electrocardiography	13	15	10	13
1217.00	Surgical Technician	-	-	-	-
1218.00	Occupational Therapy Technology	56	76	71	68
1219.00	Optical Technology	-	-	-	-
1220.00	Speech-Language Pathology and Audiology	44	60	38	47
1221.00	Pharmacy Technology	22	47	45	38

TOP	Program	2020-2021 Awards	2021-2022 Awards	2022-2023 Awards	3-Year Award Average
1222.00	Physical Therapist Assistant	35	16	3	18
1223.00	Health Information Technology	38	31	22	30
1223.10	Health Information Coding	3	9	7	6
1224.00	School Health Clerk	-	-	-	-
1225.00	Radiologic Technology	30	85	114	76
1226.00	Radiation Therapy Technician	-	-	-	-
1227.00	Diagnostic Medical Sonography	30	31	33	31
1228.00	Athletic Training and Sports Medicine	-	-	-	-
1230.00	Nursing	0	51	41	31
1230.10	Registered Nursing	408	360	388	385
1230.20	Licensed Vocational Nursing	-	-	-	-
1230.30	Certified Nurse Assistant	116	105	126	116
1230.80	Home Health Aide	-	-	-	-
1239.00	Psychiatric Technician	39	33	53	42
1240.00	Dental Occupations	-	-	-	-
1240.10	Dental Assistant	41	47	47	45
1240.20	Dental Hygienist	15	31	151	66
1240.30	Dental Laboratory Technician	-	-	-	-
1250.00	Emergency Medical Services	139	52	81	91
1251.00	Paramedic	12	39	13	21
1261.00	Community Health Care Worker	0	8	9	6
1262.00	Massage Therapy	-	-	-	-
1299.00	Other Health Occupations	117	121	65	101
1306.00	Nutrition, Foods, and Culinary Arts	60	41	38	46
1306.20	Dietetic Services and Management	6	3	6	5
1306.60	Dietetic Technology	8	4	4	5
1309.00	Gerontology	13	21	23	19
2104.00	Human Services	160	137	102	133
2104.40	Alcohol and Controlled Substances	37	40	38	38
2104.50	Disability Services	0	1	0	0
<b>Total/Average</b>		<b>2,402</b>	<b>2,307</b>	<b>2,202</b>	<b>2,304</b>

Exhibit 25 details Health sector supply award counts by Orange County community college.

**Exhibit 25: Health Community College Awards by College, 2020-2023**

College	2020-2021 Awards	2021-2022 Awards	2022-2023 Awards	3-Year Award Average
Coastline	29	22	22	24
Cypress	240	340	425	335
Fullerton	23	65	56	48
Golden West	270	154	85	170
Irvine Valley	1	4	5	3
North Orange Adult	151	137	75	121
Orange Coast	290	235	198	241
Saddleback	693	677	687	686
Santa Ana	549	517	483	516
Santiago Canyon	156	156	166	159
<b>Total/Average</b>	<b>2,402</b>	<b>2,307</b>	<b>2,202</b>	<b>2,304</b>

Exhibit 26 provides the number of Health sector awards conferred by non-community college programs.

**Exhibit 26: Health Non-Community College Awards by Program, 2019-2022**

CIP	Program	2019-2020 Awards	2020-2021 Awards	2021-2022 Awards	3-Year Award Average
19.0504	Human Nutrition	-	-	-	-
19.0505	Foodservice Systems Administration/Management	-	-	-	-
19.0702	Adult Development and Aging	-	-	-	-
30.1101	Gerontology	8	16	5	10
31.0507	Physical Fitness Technician	0	0	4	1
42.2815	Performance and Sport Psychology	-	-	-	-
44.0701	Social Work	264	342	434	347
51.0001	Health and Wellness, General	-	-	-	-
51.0204	Audiology/Audiologist and Speech-Language Pathology/Pathologist	-	-	-	-
51.0601	Dental Assisting/Assistant	129	174	248	184
51.0602	Dental Hygiene/Hygienist	68	102	109	93
51.0603	Dental Laboratory Technology/Technician	-	-	-	-
51.0701	Health/Health Care Administration/Management	44	71	96	70
51.0702	Hospital and Health Care Facilities Administration/Management	80	91	93	88

CIP	Program	2019-2020 Awards	2020-2021 Awards	2021-2022 Awards	3-Year Award Average
51.0703	Health Unit Coordinator/Ward Clerk	-	-	-	-
51.0704	Health Unit Manager/Ward Supervisor	-	-	-	-
51.0707	Health Information/Medical Records Technology/Technician	-	-	-	-
51.0708	Medical Transcription/Transcriptionist	-	-	-	-
51.0710	Medical Office Assistant/Specialist	32	25	28	28
51.0711	Medical/Health Management and Clinical Assistant/Specialist	-	-	-	-
51.0712	Medical Reception/Receptionist	-	-	-	-
51.0713	Medical Insurance Coding Specialist/Coder	102	137	114	118
51.0714	Medical Insurance Specialist/Medical Biller	14	18	19	17
51.0716	Medical Administrative/Executive Assistant and Medical Secretary	5	0	0	2
51.0799	Health and Medical Administrative Services, Other	0	0	2	1
51.0801	Medical/Clinical Assistant	499	622	736	619
51.0803	Occupational Therapist Assistant	157	126	171	151
51.0805	Pharmacy Technician/Assistant	38	57	86	60
51.0806	Physical Therapy Assistant	100	132	96	109
51.0812	Respiratory Therapy Technician/Assistant	-	-	-	-
51.0816	Speech-Language Pathology Assistant	-	-	-	-
51.0899	Allied Health and Medical Assisting Services, Other	-	-	-	-
51.0901	Cardiovascular Technology/Technologist	-	-	-	-
51.0902	Electrocardiograph Technology/Technician	-	-	-	-
51.0903	Electroneurodiagnostic/Electroencephalographic Technology/Technologist	-	-	-	-
51.0904	Emergency Medical Technology/Technician (EMT Paramedic)	-	-	-	-
51.0907	Medical Radiologic Technology/Science - Radiation Therapist	-	-	-	-
51.0908	Respiratory Care Therapy/Therapist	102	123	113	113
51.0909	Surgical Technology/Technologist	47	60	86	64
51.0910	Diagnostic Medical Sonography/Sonographer and Ultrasound Technician	132	128	106	122
51.0911	Radiologic Technology/Science - Radiographer	50	43	61	51
51.0912	Physician Assistant	72	90	96	86
51.0913	Athletic Training/Trainer	19	0	4	8
51.0917	Polysomnography	-	-	-	-
51.0920	Magnetic Resonance Imaging (MRI) Technology/Technician	31	31	79	47

CIP	Program	2019-2020 Awards	2020-2021 Awards	2021-2022 Awards	3-Year Award Average
51.1009	Phlebotomy Technician/Phlebotomist	-	-	-	-
51.1501	Substance Abuse/Addiction Counseling	57	1	0	19
51.1502	Psychiatric/Mental Health Services Technician	22	0	0	7
51.1513	Trauma Counseling	-	-	-	-
51.1802	Optometric Technician/Assistant	-	-	-	-
51.2208	Community Health and Preventive Medicine	-	-	-	-
51.2299	Public Health, Other	500	496	473	490
51.2601	Health Aide	-	-	-	-
51.2602	Home Health Aide/Home Attendant	-	-	-	-
51.2605	Physical Therapy Technician/Aide	-	-	-	-
51.3103	Dietetic Technician	-	-	-	-
51.3104	Dietitian Assistant	-	-	-	-
51.3501	Massage Therapy/Therapeutic Massage	55	64	56	58
51.3801	Registered Nursing/Registered Nurse	1,474	1,758	2,028	1,753
51.3901	Licensed Practical/Vocational Nurse Training	494	461	603	519
51.3902	Nursing Assistant/Aide and Patient Care Assistant/Aide	41	6	0	16
<b>Total/Average</b>		<b>4,636</b>	<b>5,174</b>	<b>5,946</b>	<b>5,252</b>

Exhibit 27 includes the number of Health sector awards conferred by non-community college institutions.

**Exhibit 27: Health Non-Community College Awards by Institution, 2019-2022**

<b>Institution</b>	<b>2019-2020 Awards</b>	<b>2020-2021 Awards</b>	<b>2021-2022 Awards</b>	<b>3-Year Award Average</b>
American Career College-Anaheim	644	700	728	691
American College of Healthcare and Technology-Santa Ana	0	0	11	4
American Institute of Massage Therapy	55	53	50	53
California Career Institute	82	62	92	79
California Intercontinental University	18	18	25	20
California State University-Fullerton	469	546	598	538
Career Networks Institute	176	187	333	232
Chapman University	37	58	56	50
Coastline Beauty College	0	0	0	0
Concorde Career College-Garden Grove	225	332	391	316
Concordia University-Irvine	132	157	139	143
InterCoast Colleges-Santa Ana	81	1	0	27
Marshall B Ketchum University	38	40	41	40
Modern Technology School	75	66	87	76
North-West College-Anaheim	134	167	173	158
Pacific College	125	92	185	134
Platt College-Anaheim	164	144	116	141
South Coast College	6	9	12	9
Sri Sai Krish Institute	0	36	18	18
Stanbridge University	400	322	446	389
Touro University Worldwide	17	12	19	16
UEI College-Garden Grove	188	268	418	291
University of California-Irvine	500	496	473	490
University of Massachusetts Global	162	219	353	245
Vanguard University of Southern California	24	30	62	39
West Coast University-Orange County	884	1,159	1,112	1,052
Westcliff University	0	0	8	3
<b>Total/Average</b>	<b>4,636</b>	<b>5,174</b>	<b>5,946</b>	<b>5,252</b>



### Important Disclaimers

All representations included in this report have been produced from primary research and/or secondary review of publicly and/or privately available data and/or research reports. This study examines the most recent data available at the time of the analysis; however, data sets are updated regularly and may not be consistent with previous reports. Efforts have been made to qualify and validate the accuracy of the data and the report findings; however, neither the Centers of Excellence for Labor Market Research (COE), COE host district, nor California Community Colleges Chancellor's Office are responsible for the applications or decisions made by individuals and/or organizations based on this study or its recommendations.

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