

Program Endorsement Brief: 1201.00/Health Occupations, General Health Sciences Certificate

Los Angeles/Orange County Center of Excellence, June 2019

Summary

The Los Angeles/Orange County Center of Excellence for Labor Market Research (COE) prepared this report to provide regional labor market supply and demand data related to health occupations. This report is intended to help determine whether there is demand in the local labor market that is not being met by the supply from community college programs that align with relevant occupations.

The following summarizes key findings from this data brief:

- The number of jobs for health-related occupations is projected to increase by 15% through 2023; more than 20,200 job openings will be available annually due to new job growth and replacement need.
- Over the past 12 months, there have been 46,244 online job postings in the region for the four occupations studied in this report.
- Three other related program recommendation requests were received in the last 12 months from regional community colleges.
- Twenty-five colleges in the region have existing health programs.
- Between 2015 and 2018, community colleges in the region conferred an average of nearly 2,300 awards annually (associate degrees and certificates) in related training programs.

Occupational Demand — In Los Angeles/Orange County, the number of jobs for health-related occupations is projected to increase by 15% through 2023. There will be more than 20,200 job openings per year (Exhibit 1).

Exhibit 1: Occupational demand in Los Angeles and Orange Counties¹

Geography	2018 Jobs	2023 Jobs	2018-2023 Change	2018-2023 % Change	Annual Openings
Los Angeles	148,416	170,363	21,947	15%	15,826
Orange	41,777	48,149	6,372	15%	4,418
Total	190,193	218,512	28,319	15%	20,244

¹ Five-year change represents new job additions to the workforce. Annual openings include new jobs and replacement jobs that result from retirements and separations.

Wages — Entry-level wages for health-related occupations in the region are between \$10.50 and \$28.21. Entry-level wages for registered nurses and licensed vocational nurses are higher than the MIT Living hourly wage for one adult in the region, while entry-level wages for nursing assistants and home health aides are lower than the MIT living wage (\$14.36 in Los Angeles County and \$15.85 in Orange County). Median wages for nursing assistants and home health aides are also lower than the MIT living wage, and are between \$12.03 and \$14.13.

Job Postings — In the past 12 months, there have been 46,244 online job postings for the four health occupations studied in this report. The majority of job postings are for registered nurse, licensed vocational nurse (LVN), certified nursing assistant, travel registered nurse and intensive care unit (ICU) registered nurse. Top specialized skills are: patient care, cardiopulmonary resuscitation (CPR) and advanced cardiac life support (ACLS). The top three employers, by number of job postings, in the region are: Kaiser Permanente, DaVita Incorporated and HealthCare Employment Network.

Educational Attainment — The BLS lists a bachelor’s degree as the typical entry-level education for registered nurses; a postsecondary certificate for licensed vocational nurses, and nursing assistants; and no formal education for home health aides. The national-level educational attainment data indicates between 42% and 74% of workers in the field have completed some college or an associate degree.

Community College Supply — Appendix A shows the annual and three-year average number of awards conferred by community colleges in Health Occupations, General (1201.00) Nursing (1230.00), Registered Nursing (1230.10), Licensed Vocational Nursing (1230.20), and Certified Nurse Assistant (1230.30). The colleges with the most registered nurse completions in the region are: Pasadena, Saddleback and Long Beach. In the past 12 months, there have been three other related program recommendation requests from regional community colleges.

Appendix A: Regional community college awards (certificates and degrees), 2015-2018

TOP Code	Program	College	2015-16 Awards	2016-17 Awards	2017-18 Awards	3-Year Award Average
1201.00	Health Occupations, General	East LA	74	188	9	90
		LA Mission	-	86	62	74
		LA Trade	-	9	7	8
		Orange Coast	16	8	7	10
		Pasadena	19	24	17	20
		Saddleback	90	126	143	120
		West LA	9	-	-	9
		Subtotal/Average	208	441	245	298
1230.00	Nursing	Glendale	-	-	33	33
		Subtotal/Average	-	-	33	33
1230.10	Registered Nursing	Cerritos	84	84	67	78
		Citrus	29	28	28	28

		Compton	45	46	52	48
		Cypress	86	80	91	86
		East LA	115	88	68	90
		El Camino	79	76	77	77
		Glendale	70	76	79	75
		Golden West	87	78	81	82
		LA City	65	72	60	66
		LA Harbor	73	64	48	62
		LA Pierce	67	40	63	57
		LA Southwest	38	50	35	41
		LA Trade	58	49	68	58
		LA Valley	72	73	69	71
		Long Beach	166	91	98	118
		Mt San Antonio	104	110	116	110
		Pasadena	275	195	197	222
		Rio Hondo	76	76	73	75
		Saddleback	209	229	228	222
		Santa Ana	91	99	93	94
		Santa Monica	59	53	46	53
		Subtotal/Average	1,948	1,757	1,737	1,814
1230.20	Licensed Vocational Nursing	Citrus	57	68	113	79
		Long Beach	28	53	37	39
		Pasadena	4	17	19	13
		Rio Hondo	26	1	39	22
		Subtotal/Average	115	139	208	154
1230.30	Certified Nurse Assistant	LA Mission	-	16	5	11
		Mt San Antonio	16	-	9	13
		Santiago Canyon	-	-	14	14
		Subtotal/Average	16	16	28	20
		Total/Average	2,287	2,353	2,251	2,297

Appendix B: Occupational demand and wage data by county

Exhibit 2. Los Angeles County

Occupation (SOC)	2018 Jobs	2023 Jobs	5-Yr Change	5-Yr % Change	Annual Openings	Entry-Level Hourly Earnings	Median Hourly Earnings	Experienced Hourly Earnings
Registered Nurses (29-1141)	82,848	91,271	8,423	10%	6,026	\$28.77	\$45.89	\$63.13
Nursing Assistants (31-1014)	34,618	38,959	4,341	13%	4,939	\$11.21	\$14.11	\$21.22
Licensed Practical and Licensed Vocational Nurses (29-2061)	20,732	22,890	2,158	10%	1,954	\$18.76	\$24.09	\$32.85
Home Health Aides (31-1011)	10,219	17,242	7,023	69%	2,907	\$10.50	\$11.99	\$23.00
Total	148,416	170,363	21,947	15%	15,826			

Exhibit 3. Orange County

Occupation (SOC)	2018 Jobs	2023 Jobs	5-Yr Change	5-Yr % Change	Annual Openings	Entry-Level Hourly Earnings	Median Hourly Earnings	Experienced Hourly Earnings
Registered Nurses (29-1141)	24,057	26,651	2,594	11%	1,783	\$26.35	\$42.47	\$59.45
Nursing Assistants (31-1014)	7,182	8,501	1,319	18%	1,130	\$11.35	\$14.24	\$21.02
Licensed Practical and Licensed Vocational Nurses (29-2061)	6,581	7,403	822	12%	652	\$17.27	\$25.57	\$34.34
Home Health Aides (31-1011)	3,957	5,594	1,637	41%	853	\$10.54	\$12.12	\$22.32
Total	41,777	48,149	6,372	15%	4,418			

Exhibit 4. Los Angeles and Orange Counties

Occupation (SOC)	2018 Jobs	2023 Jobs	5-Yr Change	5-Yr % Change	Annual Openings	Entry-Level Hourly Earnings	Median Hourly Earnings	Experienced Hourly Earnings
Registered Nurses (29-1141)	106,905	117,923	11,018	10%	7,809	\$28.21	\$45.02	\$62.40
Nursing Assistants (31-1014)	41,800	47,461	5,661	14%	6,069	\$11.24	\$14.13	\$21.22
Licensed Practical and Licensed Vocational Nurses (29-2061)	27,313	30,293	2,980	11%	2,607	\$18.53	\$24.39	\$33.24
Home Health Aides (31-1011)	14,176	22,836	8,660	61%	3,760	\$10.50	\$12.03	\$23.14
Total	190,193	218,512	28,319	15%	20,244			

Appendix C: Sources

- O*NET Online
- Labor Insight/Jobs (Burning Glass)
- Economic Modeling Specialists, International (EMSI)
- Employment Development Department, Labor Market Information Division, OES
- Employment Development Department, Unemployment Insurance Dataset
- Living Insight Center for Community Economic Development
- California Community Colleges Chancellor’s Office Management Information Systems (MIS)
- MIT Living Wage
- Chancellor’s Office Curriculum Inventory (COCI 2.0)

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