

Program Endorsement Brief: 1230.20 – Licensed Vocational Nursing Vocational Nursing (Certificate)

Los Angeles/Orange County Center of Excellence, November 2021

Summary Analysis

Program Endorsement:	Endorsed: All Criteria Met <input checked="" type="checkbox"/>	Endorsed: Some Criteria Met <input type="checkbox"/>	Not Endorsed <input type="checkbox"/>
Program Endorsement Criteria			
Supply Gap:	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Living Wage: (Entry-Level, 25th)	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Education:	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Emerging Occupation(s)			
Yes <input type="checkbox"/>		No <input checked="" type="checkbox"/>	

The Los Angeles/Orange County Center of Excellence for Labor Market Research (COE) prepared this report to provide Los Angeles/Orange County regional labor market supply and demand data related to one middle-skill occupation: *licensed vocational nurses* (29-2061). Middle-skill occupations typically require some postsecondary education, but less than a bachelor's degree.¹ 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 the relevant occupation.

Based on the available data, there appears to be a supply gap for *licensed vocational nurses* in the region. Furthermore, this occupation typically requires a postsecondary non-degree award, and entry-level wages exceed the self-sufficiency standard wage in both Los Angeles and Orange counties. **Therefore, due to all the criteria being met, the COE endorses this proposed program.** Detailed reasons include:

Demand:

- **Supply Gap Criteria** – Over the next five years, there is projected to be **2,818 jobs available annually** in the region due to new job growth and replacements, **which is more than the 1,951 awards conferred annually** by educational institutions in the region.
- **Living Wage Criteria** – In Los Angeles County, the **typical entry-level hourly wage** for *licensed vocational nurses* is **\$24.75, which is higher than the self-sufficiency standard hourly wage** (living wage) for one adult in the region (\$18.10 in Los Angeles County).²

¹ The COE classifies middle-skill jobs as the following:

- All occupations that require an educational requirement of some college, associate degree or apprenticeship;
- All occupations that require a bachelor's degree, but also have more than one-third of their existing labor force with an educational attainment of some college or associate degree; or
- All occupations that require a high school diploma or equivalent or no formal education, but also require short- to long-term on-the-job training where multiple community colleges have existing programs.

² Self-sufficiency standard wage data was pulled from The Self-Sufficiency Standard Tool for California on 9/3/2021. For more information, visit: <http://selfsufficiencystandard.org/california>.

- **Educational Criteria** – The Bureau of Labor Statistics (BLS) lists a **postsecondary non-degree award** as the **typical entry-level education for licensed vocational nurses**.
 - National-level educational attainment data indicates **71% of workers in the field have completed some college or an associate degree**.

Supply:

- Between 2017 and 2020, **five community colleges** in the LA/OC region issued awards in nursing or licensed vocational nursing programs, conferring an average of **270 awards**.
- Between 2016 and 2019, non-community college institutions in the region conferred an average of **1,681 awards in related programs**.

Occupational Demand

Exhibit 1 shows the five-year occupational demand projections for *licensed vocational nurses*. In Los Angeles/Orange County, the number of jobs related to this occupation is projected to increase by 11% through 2025. There will be more than 2,800 job openings per year through 2025 due to job growth and replacements.

This report includes employment projection data by Emsi which uses EDD information. Emsi’s projections are modeled on recorded (historical) employment figures and incorporate several underlying assumptions, including the assumption that the economy, during the projection period, will be at approximately full employment. To the extent that a recession or labor shock, such as the economic effects of COVID-19, can cause long-term structural change, it may impact the projections. At this time, it is not possible to quantify the impact of COVID-19 on projections of industry and occupational employment. Therefore, the projections included in this report do not take the impacts of COVID-19 into account.

Exhibit 1: Occupational demand in Los Angeles and Orange Counties³

Geography	2020 Jobs	2025 Jobs	2020-2025 Change	2020-2025 % Change	Annual Openings
Los Angeles	23,364	25,794	2,430	10%	2,177
Orange	6,750	7,509	759	11%	642
Total	30,113	33,303	3,190	11%	2,818

Wages

The labor market endorsement in this report considers the entry-level hourly wage for *licensed vocational nurses* in Los Angeles County, as it relates to the county’s self-sufficiency standard wage. Orange County wages are included below in order to provide a complete analysis of the LA/OC region. Detailed wage information, by county, is included in Appendix A.

Los Angeles County — The typical entry-level hourly wage for *licensed vocational nurses* is \$24.75, which is **above** the self-sufficiency standard wage for one adult (\$18.10 in Los Angeles

³ Five-year change represents new job additions to the workforce. Annual openings include new jobs and replacement jobs that result from retirements and separations.

County). Experienced workers can expect to earn \$34.54/hour, which is higher than the self-sufficiency standard.

Orange County — The typical entry-level hourly wage for *licensed vocational nurses* is \$26.00, which is **above** the self-sufficiency standard wage for one adult (\$20.63 in Orange County). Experienced workers can expect to earn wages of \$36.28, which is higher than the self-sufficiency standard.

Job Postings

Over the past 12 months, there have been 15,333 online job postings for *licensed vocational nurses*. The highest number of job postings were for licensed vocational nurses, licensed practical nurses, home health licensed vocational nurses, hospice licensed vocational nurses, and licensed practical nurses/licensed vocational nurses. The top skills were cardiopulmonary resuscitation (CPR), patient care, home health, treatment planning, and medication administration. The top employers, by number of job postings, in the region were Kaiser Permanente, Aveanna Healthcare, and Optum.

It is important to note that the job posting data included in this section reflects online job postings listed in the past 12 months and does not yet demonstrate the impact of COVID-19. While employers have generally posted fewer online job postings since the beginning of the pandemic, the long-term effects are currently unknown.

Educational Attainment

The Bureau of Labor Statistics (BLS) lists a postsecondary non-degree award as the typical entry-level education for *licensed vocational nurses*. National-level educational attainment data indicates 71% of workers in the field have completed some college or an associate degree.

Educational Supply

Community College Supply – Exhibit 2 shows the annual and three-year average number of awards conferred by community colleges in the related TOP: Nursing (1230.00) and Licensed Vocational Nursing (1230.20). The college with the most completions in the region is Long Beach City. Over the past 12 months, there were no other related program recommendation requests from regional community colleges.

Exhibit 2: Regional community college awards (certificates and degrees), 2017-2020

TOP	Program	College	2017-18 Awards	2018-19 Awards	2019-20 Awards	3-Year Average
1230.00	Nursing	Glendale	33	14	-	16
		Long Beach	-	95	71	55
		LA Subtotal	33	109	71	71
Supply Subtotal/Average			33	109	71	71
1230.20	Licensed Vocational Nursing	Citrus	113	112	46	90
		Long Beach	37	69	76	61
		Pasadena	19	16	14	16
		Rio Hondo	39	33	24	32
		LA Subtotal	208	230	160	199
Supply Subtotal/Average			208	230	160	199

TOP	Program	College	2017-18 Awards	2018-19 Awards	2019-20 Awards	3-Year Average
		Supply Total/Average	241	339	231	270

Non-Community College Supply – For a comprehensive regional supply analysis, it is important to consider the supply from other institutions in the region that provide training programs for *licensed vocational nurses*. Exhibit 3 shows the annual and three-year average number of awards conferred by relevant institutions. Due to different data collection periods, the most recent three-year period of available data is from 2016 to 2019. Between 2016 and 2019, non-community college institutions in the region conferred an average of 1,681 awards in related training programs.

Exhibit 3: Regional non-community college awards, 2016-2019

CIP	Program	Institution	2016-17 Awards	2017-18 Awards	2018-19 Awards	3-Year Average
51.3901	Licensed Practical/Vocational Nurse Training	Advanced College	34	8	11	18
		American Career College-Anaheim	141	40	175	119
		American Career College-Los Angeles	173	61	135	123
		American Medical Sciences Center	11	16	11	13
		Angeles College	22	7	24	18
		Angeles Institute	122	84	61	89
		CA Career College	15	-	3	6
		California Career Institute	157	54	58	90
		Career Care Institute	170	129	127	142
		Career Development Institute	48	36	50	45
		Career Networks Institute	34	-	-	11
		Casa Loma College – Van Nuys	49	11	-	20
		CES College	27	25	30	27
		Downey Adult School	57	56	56	56
		Hacienda La Puente Adult Education	11	26	45	27
		Healthcare Career College	8	19	4	10
		Homestead Schools	49	64	111	75
Marian Health Careers Center-LA Campus	51	29	60	47		

CIP	Program	Institution	2016-17 Awards	2017-18 Awards	2018-19 Awards	3-Year Average
		Marian Health Careers Center-Van Nuys Campus	26	30	47	34
		Medical Allied Career Center	10	19	32	20
		National Career College	6	24	9	13
		North-West College-Long Beach	-	29	31	20
		North-West College-Pomona	-	10	37	16
		North-West College-Van Nuys	-	2	36	13
		North-West College-West Covina	-	68	22	30
		Pacific College	70	144	62	92
		Platt College-Los Angeles	6	-	8	5
		Stanbridge University	146	166	117	143
51.3999	Practical Nursing, Vocational Nursing and Nursing Assistants, Other	Annenberg School of Nursing	10	7	11	9
		Concorde Career College-Garden Grove	66	89	53	69
		Concorde Career College-N. Hollywood	79	95	101	92
		Glendale Career College	21	54	37	37
		Integrity College of Health	30	38	22	30
		North-West College-Long Beach	22	-	-	7
		North-West College-Pomona	32	-	-	11
		North-West College-Van Nuys	43	-	-	14
		North-West College-West Covina	45	-	-	15
		Premiere Career College	77	91	36	68
Trinity School of Health and Allied Sciences	22	-	-	7		
Supply Total/Average			1,890	1,531	1,622	1,681

Appendix A: Occupational demand and wage data by county

Exhibit 4. Los Angeles County

Occupation (SOC)	2020 Jobs	2025 Jobs	5-Yr Change	5-Yr % Change	Annual Openings	Entry-Level Hourly Earnings (25th Percentile)	Median Hourly Earnings	Experienced Hourly Earnings (75th Percentile)
Licensed Practical and Licensed Vocational Nurses (29-2061)	23,364	25,794	2,430	10%	2,177	\$24.75	\$28.97	\$34.54

Exhibit 5. Orange County

Occupation (SOC)	2020 Jobs	2025 Jobs	5-Yr Change	5-Yr % Change	Annual Openings	Entry-Level Hourly Earnings (25th Percentile)	Median Hourly Earnings	Experienced Hourly Earnings (75th Percentile)
Licensed Practical and Licensed Vocational Nurses (29-2061)	6,750	7,509	759	11%	642	\$26.00	\$30.44	\$36.28

Exhibit 6. Los Angeles and Orange Counties

Occupation (SOC)	2020 Jobs	2025 Jobs	5-Yr Change	5-Yr % Change	Annual Openings	Typical Entry-Level Education
Licensed Practical and Licensed Vocational Nurses (29-2061)	30,113	33,303	3,190	11%	2,818	Postsecondary non-degree award

Appendix B: Sources

- O*NET Online
- Labor Insight/Jobs (Burning Glass)
- Economic Modeling Specialists, International (Emsi)
- Bureau of Labor Statistics (BLS)
- Employment Development Department, Labor Market Information Division, OES
- California Community Colleges Chancellor's Office Management Information Systems (MIS)
- California Family Needs Calculator, Insight Center for Community Economic Development
- Chancellor's Office Curriculum Inventory (COCI 2.0)

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November 2021

