

Labor Market Analysis: 1230.20/Licensed Vocational Nursing

Associate of Science (A.S.) degree; Certificate requiring 30 to <60 semester units

Los Angeles Center of Excellence, September 2023

Summary

| | | | | | | |
|--|---------------------------------------|-------------------------------------|--|--------------------------|-------------------------|--------------------------|
| 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 Center of Excellence for Labor Market Research (LA COE) prepared this report to provide regional labor market supply and demand data related to one middle-skill occupations:

- **Licensed Practical and Licensed Vocational Nurses (29-2061)** Care for ill, injured, or convalescing patients or persons with disabilities in hospitals, nursing homes, clinics, private homes, group homes, and similar institutions. May work under the supervision of a registered nurse. Licensing required.¹

Middle-skill occupations typically require some postsecondary education, but less than a bachelor's degree.² 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, entry-level wages exceed the self-sufficiency standard wage in both Los Angeles and Orange counties, and the Bureau of Labor Statistics (BLS) lists a postsecondary non-degree award as the typical entry-level education. **Therefore, due to all the criteria being met, the LA COE endorses this proposed program.** Detailed reasons include:

Demand:

- **Supply Gap Criteria** – Over the next five years, **3,095 jobs are projected to be available annually** in the region due to new job growth and replacements, **which is**

¹ [Licensed Practical and Licensed Vocational Nurses \(bls.gov\)](https://www.bls.gov)

² 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.

more than the three-year average of 1,831 awards conferred by educational institutions in the region.

- **Living Wage Criteria** – Within Los Angeles County, **typical entry-level hourly wages** for *licensed vocational nurses* are **\$28.98, which is higher than the self-sufficiency standard** hourly wage (living wage) for one adult in the region (\$18.10 in Los Angeles County).³
- **Educational Criteria** – The Bureau of Labor Statistics (BLS) lists a **postsecondary non-degree award as the typical entry-level education for licensed vocational nurses**.
 - Furthermore, the national-level educational attainment data indicates **71% of workers in the field have completed some college or an associate degree**.

Supply:

- There are **5 community colleges** in the greater LA/OC region that issue awards related to licensed vocational nursing, conferring an average of **260 awards annually** between 2019 and 2022.
- Between 2019 and 2021, there was an average of **1,571 awards conferred annually** in related training programs by non-community college institutions throughout the greater LA/OC region.

Occupational Demand

Exhibit 1 shows the five-year occupational demand projections for *licensed vocational nurses*. In the greater Los Angeles/Orange County region, the number of jobs related to these occupations is projected to increase by 10% through 2026. There will be nearly 3,100 job openings per year through 2027 due to job growth and replacements.

Exhibit 1: Occupational demand in Los Angeles and Orange Counties⁴

| Geography | 2022 Jobs | 2027 Jobs | 2022-2027 Change | 2022-2027 % Change | Annual Openings |
|--------------|---------------|---------------|------------------|--------------------|-----------------|
| Los Angeles | 22,760 | 25,066 | 2,306 | 10% | 2,391 |
| Orange | 6,721 | 7,395 | 674 | 10% | 704 |
| Total | 29,481 | 32,461 | 2,980 | 10% | 3,095 |

Wages

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

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

⁴ Five-year change represents new job additions to the workforce. Annual openings include new jobs and replacement jobs that result from retirements and separations.

Los Angeles County

The typical entry-level hourly wages for *licensed vocational nurses* are \$28.98, which is above the self-sufficiency standard wage for one adult (\$18.10 in Los Angeles County). Experienced workers can expect to earn wages of \$36.09.

Exhibit 2: Earnings for Occupations in LA County

| Occupation | Entry-Level Hourly Earnings (25 th Percentile) | Median Hourly Earnings | Experienced Hourly Earnings (75 th Percentile) | Median Annual Earnings* |
|---|---|------------------------|---|-------------------------|
| Licensed Practical and Licensed Vocational Nurses (29-2061) | \$28.98 | \$30.83 | \$36.09 | \$64,100 |

*Rounded to the nearest \$100

Orange County

The typical entry-level hourly wages for *licensed vocational nurses* are \$30.74, which is above the self-sufficiency standard wage for one adult (\$20.63 in Orange County). Experienced workers can expect to earn wages of \$38.23.

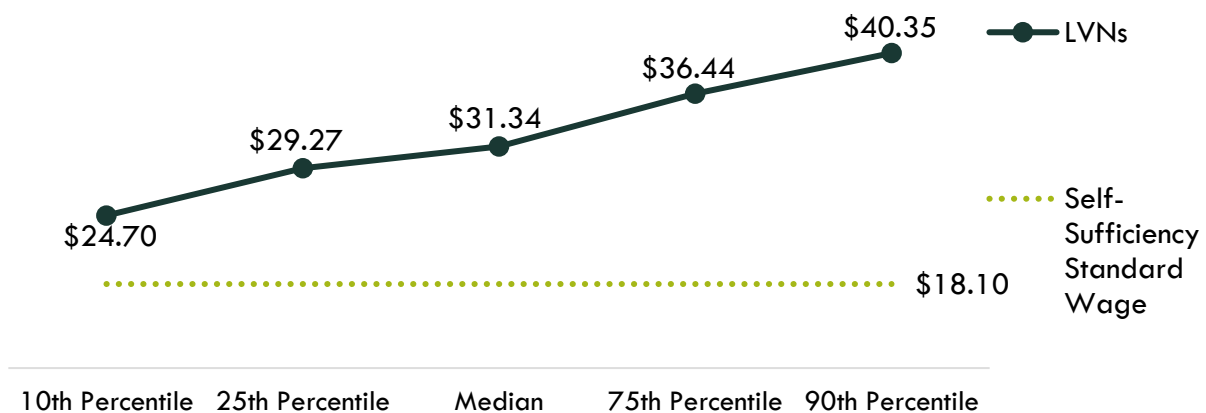
Exhibit 3: Earnings for Occupations in Orange County

| Occupation | Entry-Level Hourly Earnings (25 th Percentile) | Median Hourly Earnings | Experienced Hourly Earnings (75 th Percentile) | Median Annual Earnings* |
|---|---|------------------------|---|-------------------------|
| Licensed Practical and Licensed Vocational Nurses (29-2061) | \$30.74 | \$32.68 | \$38.23 | \$68,000 |

*Rounded to the nearest \$100

On average, the entry-level earnings for the occupations in this report are \$29.27; this is above the living wage for one single adult in Los Angeles County (\$18.10). Exhibit 4 shows the average wage for the occupations in this report, from entry-level to experienced workers.

Exhibit 4: Average Hourly Earnings for LVNs in LA/OC



Job Postings

There were 17,686 online job postings for *licensed vocational nurses* listed in the past 12 months. The highest number of job postings were for licensed vocational nurses, licensed practical/licensed

vocational nurses, correctional licensed vocational nurses, licensed practical nurses, and licensed vocational nurses/charge nurses. The top skills were nursing, medication administration, vital signs, infection control, and medical records. The top three employers, by number of job postings, in the region were Kaiser Permanente, Cedars-Sinai, and PIH Health.

Educational Attainment

The Bureau of Labor Statistics (BLS) lists a postsecondary non-degree award as the typical entry-level education for *licensed vocational nurses*. Furthermore, the national-level educational attainment data indicates 71% of workers in the field have completed some college or an associate degree. Of the 41% of *licensed vocational nurse* job postings listing a minimum education requirement in the greater Los Angeles/Orange County region, 16% (1,161) requested high school or vocational training, 81% (5,864) requested an associate degree, and 3% (210) requested a bachelor’s degree.

Educational Supply

Community College Supply

Exhibit 5 shows the annual and three-year average number of awards conferred by community colleges in the related TOP codes: Nursing (1 230.00) and Licensed Vocational Nursing (1 230.20). The colleges with the most completions in the region are Long Beach, Citrus, and Rio Hondo.

Exhibit 5: Regional community college awards (certificates and degrees), 2019-2022

| TOP | Program | College | 2019-20 Awards | 2020-21 Awards | 2021-22 Awards | 3-Year Average |
|--------------------------------|-----------------------------|--------------------|----------------|----------------|----------------|----------------|
| 1230.00 | Nursing | Long Beach | 71 | 73 | 63 | 69 |
| | | LA Subtotal | 71 | 73 | 63 | 69 |
| | | Fullerton | - | - | 51 | 17 |
| | | OC Subtotal | - | - | 51 | 17 |
| Supply Subtotal/Average | | | 71 | 73 | 114 | 86 |
| 1230.20 | Licensed Vocational Nursing | Citrus | 46 | 77 | 50 | 58 |
| | | Long Beach | 76 | 83 | 79 | 79 |
| | | Pasadena | 14 | 14 | 18 | 15 |
| | | Rio Hondo | 24 | 18 | 24 | 22 |
| | | LA Subtotal | 160 | 192 | 171 | 174 |
| Supply Subtotal/Average | | | 160 | 192 | 171 | 174 |
| Supply Total/Average | | | 231 | 265 | 285 | 260 |

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 6 shows the annual and three-year average number of awards conferred by these institutions in relevant programs. Due to different data collection periods, the most recent three-year period of available data is from 2019 to 2021. Between 2019 and 2021, non-community college

institutions in the region conferred an average of 1,571 sub-baccalaureate awards. Sub-baccalaureate awards include associate degrees, postsecondary awards, and other academic awards.

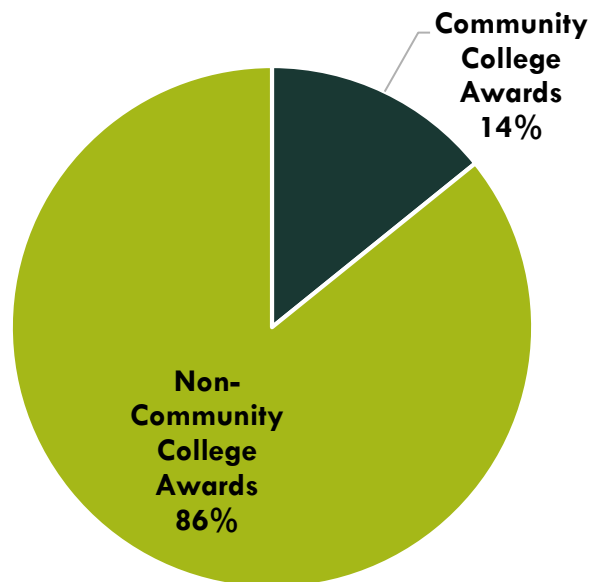
Exhibit 6: Regional non-community college awards, 2019-2021

| CIP | Program | Institution | 2019-20 Awards | 2020-21 Awards | 2-Year Average |
|-----------------------------|--|---|-----------------------|-----------------------|-----------------------|
| 51.3901 | Licensed Practical/Vocational Nurse Training | Advanced College | 75 | 2 | 39 |
| | | American Career College-Anaheim | 152 | 155 | 154 |
| | | American Career College-Los Angeles | 166 | 197 | 182 |
| | | American Medical Sciences Center | 12 | - | 6 |
| | | Angeles College | 43 | 87 | 65 |
| | | Angeles Institute | 33 | 33 | 33 |
| | | California Career College | 11 | - | 6 |
| | | California Career Institute | 77 | 52 | 65 |
| | | Career Development Institute | 51 | 53 | 52 |
| | | Career Networks Institute | 4 | 17 | 11 |
| | | CES College | 69 | 31 | 50 |
| | | Downey Adult School | 53 | 54 | 54 |
| | | Glendale Career College | 51 | 45 | 48 |
| | | Hacienda La Puente Adult Education | 19 | 15 | 17 |
| | | Healthcare Career College | 36 | 23 | 30 |
| | | Homestead Schools | 75 | 131 | 103 |
| | | Marian Health Careers Center-Los Angeles Campus | 90 | 76 | 83 |
| | | Marian Health Careers Center-Van Nuys Campus | 58 | 61 | 60 |
| | | Medical Allied Career Center | 26 | 32 | 29 |
| | | National Career College | 26 | 7 | 17 |
| North-West College-Anaheim | - | - | - | | |
| North-West College-Glendale | - | - | - | | |

| CIP | Program | Institution | 2019-20 Awards | 2020-21 Awards | 2-Year Average |
|-----------------------------|---------|--------------------------------|----------------|----------------|----------------|
| | | North-West College-Long Beach | 37 | 46 | 42 |
| | | North-West College-Pomona | 37 | 49 | 43 |
| | | North-West College-Van Nuys | 70 | 29 | 50 |
| | | North-West College-West Covina | 60 | 85 | 73 |
| | | Pacific College | 105 | 80 | 93 |
| | | Platt College-Anaheim | - | - | - |
| | | Platt College-Los Angeles | 3 | 30 | 17 |
| | | Sri Sai Krish Institute | - | 36 | 18 |
| | | Stanbridge University | 156 | 121 | 139 |
| Supply Total/Average | | | 1,595 | 1,547 | 1,571 |

Exhibit 7 shows the proportion of community college awards conferred in LA/OC compared to the number of non-community college awards for the programs in this report. Nearly nine of ten awards conferred in these programs are awarded by non-community colleges in the LA/OC region.

Exhibit 7: Community College Awards Compared to Non-Community College Awards in LA/OC Region, 3-Year Average



Appendix A: Occupational demand and wage data by county

Exhibit 8. Los Angeles County

| Occupation (SOC) | 2022 Jobs | 2027 Jobs | 5-Yr Change | 5-Yr % Change | Annual Openings | Entry-Level Hourly Earnings (25 th Percentile) | Median Hourly Earnings | Experienced Hourly Earnings (75 th Percentile) |
|---|-----------|-----------|-------------|---------------|-----------------|---|------------------------|---|
| Licensed Practical and Licensed Vocational Nurses (29-2061) | 22,760 | 25,066 | 2,306 | 10% | 2,391 | \$28.98 | \$30.83 | \$36.09 |

Exhibit 9. Orange County

| Occupation (SOC) | 2022 Jobs | 2027 Jobs | 5-Yr Change | 5-Yr % Change | Annual Openings | Entry-Level Hourly Earnings (25 th Percentile) | Median Hourly Earnings | Experienced Hourly Earnings (75 th Percentile) |
|---|-----------|-----------|-------------|---------------|-----------------|---|------------------------|---|
| Licensed Practical and Licensed Vocational Nurses (29-2061) | 6,721 | 7,395 | 674 | 10% | 704 | \$30.74 | \$32.68 | \$38.23 |

Exhibit 10. Los Angeles and Orange Counties

| Occupation (SOC) | 2022 Jobs | 2027 Jobs | 5-Yr Change | 5-Yr % Change | Annual Openings | % Age 55 and older* | Typical Entry-Level Education |
|---|-----------|-----------|-------------|---------------|-----------------|---------------------|--------------------------------|
| Licensed Practical and Licensed Vocational Nurses (29-2061) | 29,481 | 32,461 | 2,980 | 10% | 3,095 | 27% | Postsecondary non-degree award |

*The average percentage of workers age 55 and older across all occupations in the greater LA/OC region is 27%, which is the same percentage as *licensed practical and licensed vocational nurses*.

Appendix B: Sources

- O*NET Online
- Lightcast (formerly Emsi)
- Bureau of Labor Statistics (BLS)
- California Employment Development Department, Labor Market Information Division, OES
- California Community Colleges Chancellor's Office Management Information Systems (MIS)
- Self-Sufficiency Standard at the Center for Women's Welfare, University of Washington
- Chancellor's Office Curriculum Inventory (COCI 2.0)

For more information, please contact:

Luke Meyer, Director
 Los Angeles Center of Excellence
lmeyer7@mtsac.edu

