

Labor Market Analysis: 1230.10/Registered Nursing
Registered Nursing (Certificate requiring 30 to <60 semester units)
 Los Angeles Center of Excellence, December 2022

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 occupation:

- **Registered Nurses (29-1141)** Assess patient health problems and needs, develop and implement nursing care plans, and maintain medical records. Administer nursing care to ill, injured, convalescent, or disabled patients. May advise patients on health maintenance and disease prevention or provide case management. Licensing or registration required.¹

Middle-skill occupations typically require some postsecondary education, but less than a bachelor's degree.² Although this occupation typically requires a bachelor's degree, it is considered middle-skill because approximately one-third of workers in the field have completed some college or an associate degree. 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 occupations.

Based on the available data, there appears to be a supply gap for *registered nurses* in the region. Furthermore, entry-level wages exceed the self-sufficiency standard wage in both Los Angeles and Orange counties, and more than one-third of current workers in the field have completed some college or an associate degree. **Therefore, due to all the criteria being met, the LA COE endorses this proposed program.** Detailed reasons include:

¹ [Registered Nurses : Occupational Outlook Handbook : U.S. Bureau of Labor Statistics \(bls.gov\)](#)

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.

Demand:

- **Supply Gap Criteria** – Over the next five years, **7,779 jobs are projected to be available annually** in the region due to new job growth and replacements, **which is more than the three-year average of 5,518 awards conferred** by educational institutions in the region.
- **Living Wage Criteria** – Within Los Angeles County, **typical entry-level hourly wages for registered nurses are \$47.27, 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 bachelor’s degree as the typical entry-level education for *registered nurses*.
 - However, the national-level educational attainment data indicates **34% of workers in the field have completed some college or an associate degree.**

Supply:

- There are **21 community colleges** in the greater LA/OC region that issue awards related to registered nursing, conferring an average of **1,733 awards annually** between 2018 and 2021.
- Between 2017 and 2020, there was an average of **3,784 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 *registered nurses*. In the greater Los Angeles/Orange County region, the number of jobs related to these occupations is projected to increase by 6% through 2026. There will be nearly 7,800 job openings per year through 2026 due to job growth and replacements.

Exhibit 1: Occupational demand in Los Angeles and Orange Counties⁴

| Geography | 2021 Jobs | 2026 Jobs | 2021-2026 Change | 2021-2026 % Change | Annual Openings |
|--------------|----------------|----------------|------------------|--------------------|-----------------|
| Los Angeles | 94,331 | 99,776 | 5,445 | 6% | 6,125 |
| Orange | 25,415 | 26,902 | 1,488 | 6% | 1,654 |
| Total | 119,745 | 126,678 | 6,932 | 6% | 7,779 |

Wages

The labor market endorsement in this report considers the entry-level hourly wages for *registered 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 *registered nurses* are \$47.27, 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 \$63.54.

Exhibit 2: Hourly Earnings for Occupations in LA County

| Occupation | Entry-Level Hourly Earnings (25 th Percentile) | Median Hourly Earnings | Experienced Hourly Earnings (75 th Percentile) |
|-----------------------------|---|------------------------|---|
| Registered Nurses (29-1141) | \$47.27 | \$58.04 | \$63.54 |

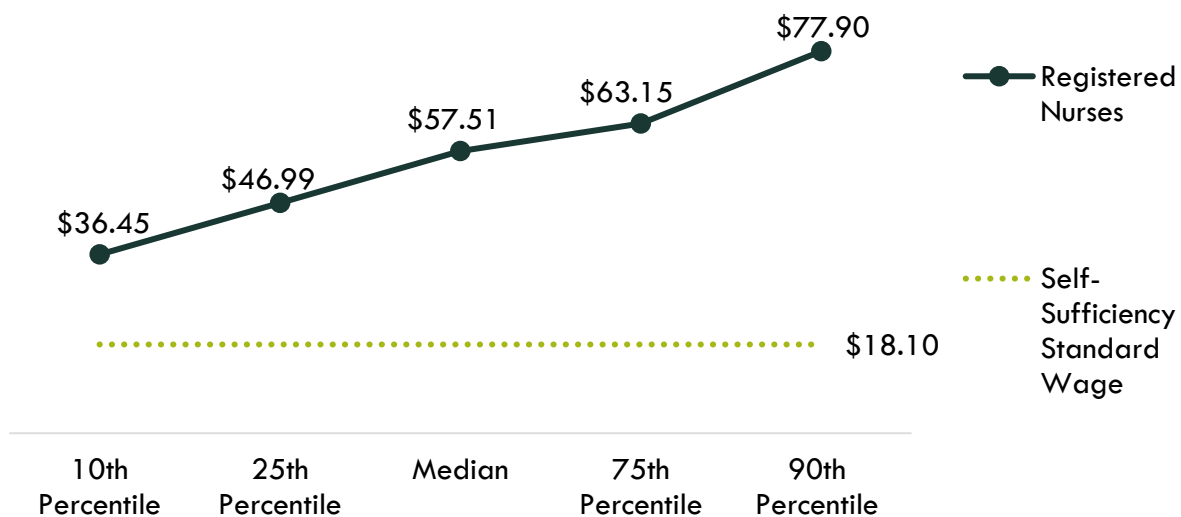
Orange County—The typical entry-level hourly wages for *registered nurses* are \$46.02, which is above the self-sufficiency standard wage for one adult (\$20.63 in Orange County). Experienced workers can expect to earn wages of \$61.25.

Exhibit 3: Hourly Earnings for Occupations in Orange County

| Occupation | Entry-Level Hourly Earnings (25 th Percentile) | Median Hourly Earnings | Experienced Hourly Earnings (75 th Percentile) |
|-----------------------------|---|------------------------|---|
| Registered Nurses (29-1141) | \$46.02 | \$56.03 | \$61.25 |

On average, the entry-level earnings for the occupations in this report are \$46.99; 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 Registered Nurses in LA/OC



Job Postings

There were 101,576 online job postings for *registered nurses* listed in the past 12 months. The highest number of job postings were for registered nurses, ICU registered nurses, telemetry registered nurses, NICU registered nurses, and operating room registered nurses. The top skills were nursing, nursing care/process, acute care, intensive care unit, and discharge planning. The top three employers, by number of job postings, in the region were PIH Health, Cedars-Sinai, and Healthcare Employment Network.

Educational Attainment

The Bureau of Labor Statistics (BLS) lists a bachelor’s degree as the typical entry-level education for *registered nurses*. However, the national-level educational attainment data indicates 34% of workers in the field have completed some college or an associate degree. Of the 35% of *registered nurse* job postings listing a minimum education requirement in the greater Los Angeles/Orange County region, 9% (3,257) requested high school or vocational training, 36% (12,671) requested an associate degree, and 55% (19,642) 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 (1230.00) and Registered Nursing (1230.10). The colleges with the most completions in the region are Saddleback, Pasadena, and Glendale.

Exhibit 5: Regional community college awards (certificates and degrees), 2018-2021

| TOP | Program | College | 2018-19 Awards | 2019-20 Awards | 2020-21 Awards | 3-Year Average |
|--------------------------------|--------------------|--------------------|----------------|----------------|----------------|----------------|
| 1230.00 | Nursing | Glendale | 14 | - | - | 5 |
| | | Long Beach | 95 | 71 | 73 | 80 |
| | | LA Subtotal | 109 | 71 | 73 | 84 |
| Supply Subtotal/Average | | | 109 | 71 | 73 | 84 |
| 1230.10 | Registered Nursing | Cerritos | 80 | 71 | 55 | 69 |
| | | Citrus | 30 | 38 | 31 | 33 |
| | | Compton | 55 | 66 | 64 | 62 |
| | | East LA | 68 | 57 | 55 | 60 |
| | | El Camino | 86 | 64 | 72 | 74 |
| | | Glendale | 84 | 171 | 176 | 144 |
| | | LA City | 81 | 63 | 81 | 75 |
| | | LA Harbor | 67 | 48 | 67 | 61 |
| | | LA Pierce | 58 | 62 | 48 | 56 |
| | | LA Southwest | 44 | 43 | 43 | 43 |
| | | LA Trade-Tech | 71 | 68 | 76 | 72 |
| | | LA Valley | 68 | 73 | 59 | 67 |

| TOP | Program | College | 2018-19 Awards | 2019-20 Awards | 2020-21 Awards | 3-Year Average |
|-----|---------|--------------------------------|----------------|----------------|----------------|----------------|
| | | Long Beach | 5 | 17 | 11 | 11 |
| | | Mt San Antonio | 105 | 53 | 110 | 89 |
| | | Pasadena | 174 | 169 | 122 | 155 |
| | | Rio Hondo | 80 | 77 | 56 | 71 |
| | | Santa Monica | 55 | 28 | 106 | 63 |
| | | LA Subtotal | 1,211 | 1,168 | 1,232 | 1,204 |
| | | Cypress | 102 | 86 | 61 | 83 |
| | | Golden West | 82 | 85 | 85 | 84 |
| | | Saddleback | 203 | 181 | 178 | 187 |
| | | Santa Ana | 91 | 98 | 84 | 91 |
| | | OC Subtotal | 478 | 450 | 408 | 445 |
| | | Supply Subtotal/Average | 1,689 | 1,618 | 1,640 | 1,649 |
| | | Supply Total/Average | 1,798 | 1,689 | 1,713 | 1,733 |

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 *registered 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 2017 to 2020. Between 2017 and 2020, non-community college institutions in the region conferred an average of 3,784 awards.

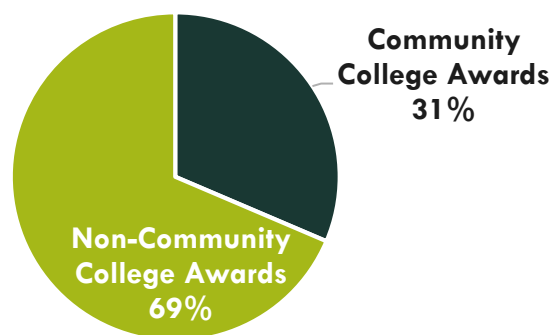
Exhibit 6: Regional non-community college awards, 2017-2020

| CIP | Program | Institution | 2017-18 Awards | 2018-19 Awards | 2019-20 Awards | 3-Year Average |
|---------|---|--|----------------|----------------|----------------|----------------|
| 51.1105 | Pre-Nursing Studies | Los Angeles Pacific Univ. | 59 | 55 | 27 | 47 |
| 51.3801 | Registered Nursing/ Registered Nurse | American Career College-LA | 58 | 60 | 66 | 61 |
| | | American University of Health Sciences | 55 | 74 | 55 | 61 |
| | | Angeles College | 12 | 15 | 25 | 17 |
| | | Azusa Pacific University | 508 | 495 | 597 | 533 |
| | | Biola University | 39 | 39 | 59 | 46 |
| | | Brandman University | 8 | 7 | 11 | 9 |
| | | California Career College | - | 56 | 17 | 24 |
| | | CSU-Dominguez Hills | 143 | 127 | 130 | 133 |

| CIP | Program | Institution | 2017-18 Awards | 2018-19 Awards | 2019-20 Awards | 3-Year Average |
|-----------------------------|-----------------|--|----------------|----------------|----------------|----------------|
| | | CSU-Fullerton | 215 | 282 | 295 | 264 |
| | | CSU-Long Beach | 217 | 203 | 236 | 219 |
| | | CSU-Los Angeles | 177 | 165 | 171 | 171 |
| | | CSU-Northridge | 119 | 53 | 90 | 87 |
| | | Career Care Institute | - | - | 16 | 5 |
| | | Career Networks Institute | 123 | 103 | 115 | 114 |
| | | Charles R Drew Univ. of Medicine and Science | 3 | 17 | 5 | 8 |
| | | Concordia Univ.-Irvine | 86 | 125 | 105 | 105 |
| | | Glendale Career College | - | 100 | 84 | 61 |
| | | Homestead Schools | 16 | 12 | 9 | 12 |
| | | Los Angeles College of Nursing and Allied Health | 85 | 110 | 98 | 98 |
| | | Mount Saint Mary's Univ. | 312 | 286 | 287 | 295 |
| | | Pacific College | 30 | 31 | 12 | 24 |
| | | Stanbridge University | 46 | 62 | 86 | 65 |
| | | Vanguard University of Southern California | - | - | 24 | 8 |
| | | West Coast Univ.-LA | 527 | 587 | 651 | 588 |
| | | West Coast Univ.-Orange | 586 | 684 | 759 | 676 |
| 51.3808 | Nursing Science | UC-Irvine | 49 | 55 | 47 | 50 |
| Supply Total/Average | | | 3,473 | 3,803 | 4,077 | 3,784 |

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 one-third of awards conferred in these programs are awarded by 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) | 2021 Jobs | 2026 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) |
|-----------------------------|-----------|-----------|-------------|---------------|-----------------|---|------------------------|---|
| Registered Nurses (29-1141) | 94,331 | 99,776 | 5,445 | 6% | 6,125 | \$47.27 | \$58.04 | \$63.54 |

Exhibit 9. Orange County

| Occupation (SOC) | 2021 Jobs | 2026 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) |
|-----------------------------|-----------|-----------|-------------|---------------|-----------------|---|------------------------|---|
| Registered Nurses (29-1141) | 25,415 | 26,902 | 1,488 | 6% | 1,654 | \$46.02 | \$56.03 | \$61.25 |

Exhibit 10. Los Angeles and Orange Counties

| Occupation (SOC) | 2021 Jobs | 2026 Jobs | 5-Yr Change | 5-Yr % Change | Annual Openings | Typical Entry-Level Education |
|-----------------------------|-----------|-----------|-------------|---------------|-----------------|-------------------------------|
| Registered Nurses (29-1141) | 119,745 | 126,678 | 6,932 | 6% | 7,779 | Bachelor's degree |

Appendix B: Sources

- O*NET Online
- Labor Insight (Burning Glass Technologies)
- 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)

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