

Labor Market Analysis for Program Recommendation: 1205.10/Phlebotomy (Certificate of Specialization)

CVML Center of Excellence, March 2026



FOR LABOR MARKET RESEARCH
CENTRAL VALLEY/MOTHER LODGE

Summary

Program LMI Endorsement	Endorsed: All LMI Criteria Met <input checked="" type="checkbox"/>	Endorsed: Some LMI Criteria Met <input type="checkbox"/>	Not LMI Endorsed <input type="checkbox"/>
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Program LMI Endorsement Criteria

	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Supply Gap:	<i>Comments:</i> There are projected to be 111 annual job openings throughout the SCV/SML subregion for <i>Phlebotomists</i> , which is more than the 4 awards conferred by educational institutions in the SCV/SML subregion.	
Living Wage: (Entry-Level, 25th):	<i>Comments:</i> <i>Phlebotomists</i> have an entry-level hourly wage above the SCV/SML living wage of \$16.08.	
Education:	<i>Comments:</i> The typical entry-level education for <i>Phlebotomists</i> is a postsecondary nondegree award. Additionally, 60% have completed some college or an associate degree as their highest level of education.	

Emerging Occupations(s)

Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
Comments: N/A	

The Central Valley/Mother Lode Center of Excellence for Labor Market Research (CVML COE) prepared this report to determine whether there is a supply gap in the South Central Valley/Southern Mother Lode regional labor market related to the following middle-skill occupation:

- Phlebotomists (31-9097)

Middle-skill occupations typically require a community college education while above middle-skill occupations typically require at least a bachelor's degree.

Based on the available data, there appears to be a supply gap for *Phlebotomists*. In addition to this occupation having an entry-level wage above the subregion's living wage, 60% of workers in this field have completed some college or an associate degree as their highest level of education. **Therefore, due to all regional labor market criteria being met, the COE endorses this proposed program.**

Exhibit 1 lists the occupational demand, supply, typical entry-level education, and educational attainment for *Phlebotomists*.

Exhibit 1: Labor Market Endorsement Summary

Occupation (SOC)	Demand (Annual Openings)	Supply (CC and Non-CC)	Entry-Level Hourly Earnings (25th Percentile)	Typical Entry-Level Education	Community College Educational Attainment
Phlebotomists (31-9097)	NCV/NML: 60 SCV/SML: 111	NCV/NML: 0 SCV/SML: 4	NCV/NML: \$22.50 SCV/SML: \$21.19	Postsecondary nondegree award	60%
Total	171	4	-	-	-

Demand:

- The number of jobs for *Phlebotomists* is projected to increase 4% through 2029. There will be 111 annual job openings in the SCV/SML subregion.
- *Phlebotomists* have an entry-level hourly wage above the living wage of \$16.08 in the SCV/SML subregion.
- There were 634 online job postings for *Phlebotomists* over the past 12 months.
- The Bureau of Labor Statistics (BLS) lists a postsecondary nondegree award as the typical entry-level education for *Phlebotomists*.
- National-level educational attainment data indicates that 60% of *Phlebotomists* have completed some college or an associate degree as their highest level of education.

Supply:

- Between 2021 and 2024, there was an average of no awards conferred by community colleges in the SCV/SML subregion.
- Between 2020 and 2023, non-community college institutions in the SCV/SML subregion conferred an average of 4 awards in relevant programs.

Demand

Occupational Projections

Exhibit 2 shows the annual percent change in jobs for *Phlebotomists* from 2019 through 2029. The SCV/SML subregion experienced the highest growth in 2021 at 9%, compared to the 2% growth across all CA occupations. The SCV/SML subregion experienced the second highest growth in 2022 at 4%, compared to the 5% growth across all CA occupations. From 2026 to 2029, growth is projected to remain steady (between 1% and 2%) in the SCV/SML subregion, similar to all occupations in California.

Exhibit 2: Annual Percent Change in Jobs for Phlebotomists, 2019-2029

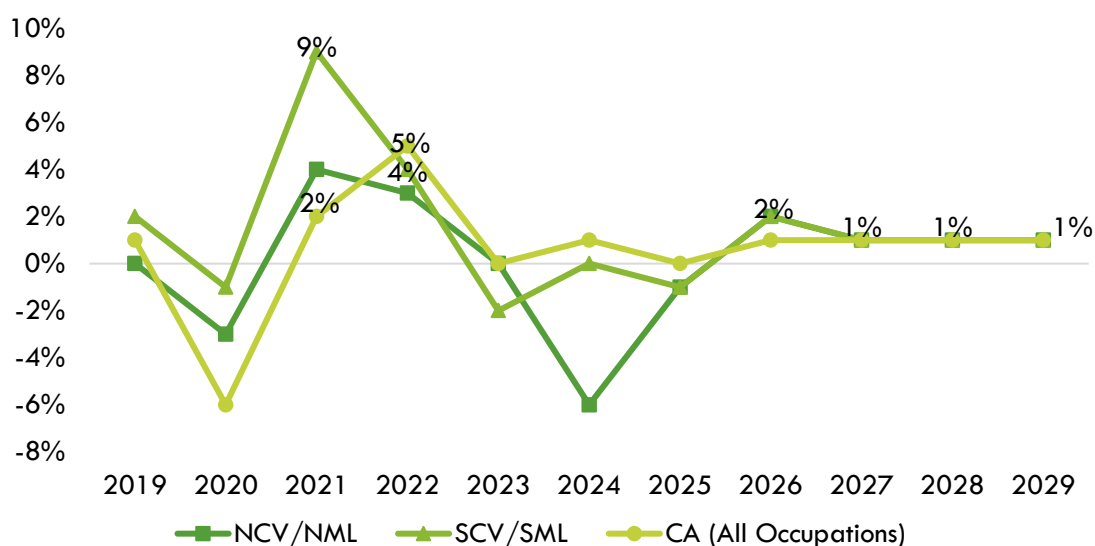


Exhibit 3 shows the five-year occupational demand projections for *Phlebotomists*. In the SCV/SML subregion, the number of jobs related to this occupation is projected to increase by 4% through 2029. There are projected to be 111 jobs available annually in the SCV/SML subregion.

Exhibit 3: Occupational Demand in NCV/NML, SCV/SML, and CVML¹

Geography	2024 Jobs	2029 Jobs	2024-2029 Change	2024-2029 % Change	Annual Openings
NCV/NML	431	451	20	5%	60
SCV/SML	811	846	35	4%	111
CVML	1,242	1,297	55	4%	171

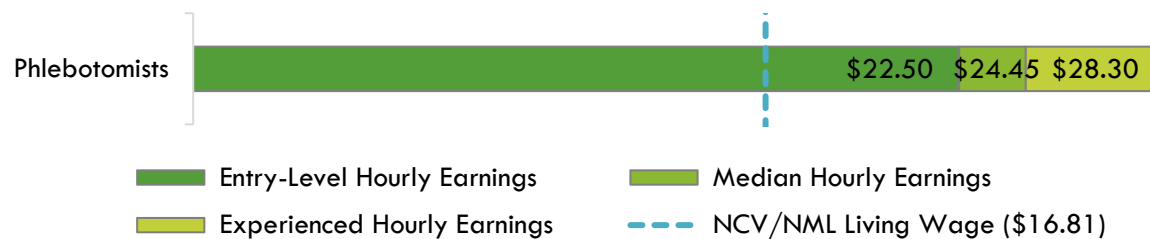
¹Five-year change represents new job additions to the workforce. Annual openings include new jobs and replacement jobs that result from retirements and separations.

Wages:

The labor market endorsement in this report considers the entry-level hourly wages for *Phlebotomists* as they relate to the subregions and region's living wage. NCV/NML, SCV/SML, and CVML wages are included below to provide a complete analysis of the region.

Phlebotomists (\$22.5) have an entry-level hourly wage above the living wage for one adult in the NCV/NML subregion (\$16.81). The NCV/NML average wage for these occupations is \$25.79, which is below the average statewide wage of \$26.60. Exhibit 4a shows the wage range for *Phlebotomists* and how they compare to the NCV/NML subregion's living wage.

Exhibit 4a: Wages by Occupation in NCV/NML



Phlebotomists (\$21.19) have an entry-level hourly wage above the living wage for one adult in the SCV/SML subregion (\$16.08). The SCV/SML average wage for these occupations is \$23.79, which is below the average statewide wage of \$26.60. Exhibit 4b shows the wage range for *Phlebotomists* and how they compare to the SCV/SML subregion's living wage.

Exhibit 4b: Wages by Occupation in SCV/SML



Phlebotomists (\$21.55) have an entry-level hourly wage above the living wage for one adult in the CVML region (\$16.48). The CVML average wage for these occupations is \$24.48, which is below the average statewide wage of \$26.60. Exhibit 5 shows the wage range for *Phlebotomists* and how they compare to the CVML region's living wage.

Exhibit 5: Wages by Occupation in CVML



Job Postings:

Important Online Job Postings Data Note: Online job postings data is sourced from Lightcast, a labor market analytics firm that scrapes, collects, and organizes data from online job boards such as LinkedIn, Indeed, Glassdoor, Monster, GovernmentJobs.com, and thousands more. Lightcast uses natural language processing (NLP) to determine the related company, industry, occupation, and other information for each job posting. However, NLP has limitations that include understanding contextual words of phrases; determining differences in words that can be used as nouns, verbs, and/or adjectives; and misspellings or grammatical errors.² For these reasons, job postings could be assigned to the wrong employer, industry, or occupation within Lightcast's database.

Additionally, there are several limitations when analyzing job postings. A single job posting may not represent a single job opening, as employers may be creating a pool of candidates for future openings or hiring for multiple positions with a single posting. Additionally, not all jobs are posted online, and jobs may be filled through other methods such as internal promotion, word-of-mouth advertising, physical job boards, or a variety of other channels.

There were 634 online job postings for *Phlebotomists* listed in the past 12 months (Exhibit 6).

Exhibit 6: Number of Job Postings (n=634)

Occupations	Job Postings	Percentage of Job Postings
Phlebotomists	634	100%

The top employers in the region for *Phlebotomists*, by number of job postings, are shown in Exhibit 7.

Exhibit 7: Top Employers by Number of Job Postings (n=634)

Employer	Job Postings	Percentage of Job Postings
Quest Diagnostics	68	11%
BioLife Plasma Services	33	5%
Labcorp	25	4%
Adventist Health	21	3%
Mindlance	14	2%
Trinity Health	13	2%
Spectraforce Technologies	13	2%
ICONMA	12	2%
CommonSpirit Health	11	2%
Community Health Systems Professional Services Corporation	11	2%

²K. R. Chowdhary, *Fundamentals of Artificial Intelligence* (Basingstoke: Springer Nature, 2020), <https://link.springer.com/book/10.1007/978-81-322-3972-7>

The top specialized, common, and software skills for *Phlebotomists* are listed by those most frequently mentioned in job postings (denoted in parentheses) are shown in Exhibit 8.

Exhibit 8: Top Skills by Number of Job Postings (n=634)

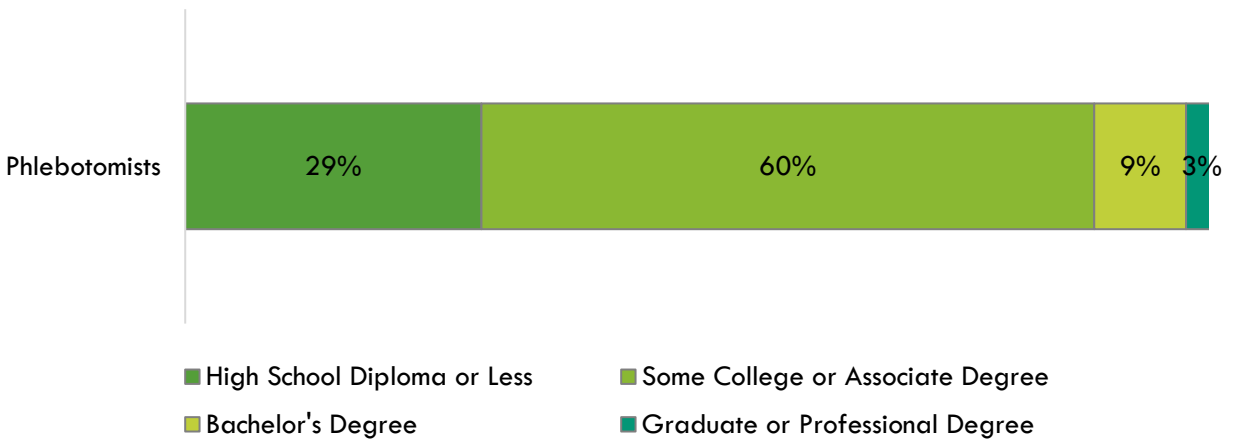
Top Specialized Skills	Top Soft Skills	Top Computer Skills
Phlebotomy (620)	Customer Service (302)	Microsoft Office (14)
Data Entry (252)	Communication (171)	Patient Management Software (11)
Venipuncture (240)	English Language (139)	Ansible (9)
Laboratory Testing (224)	Confidentiality (126)	MEDITECH EHR (4)
Medical Assistance (209)	Operations (111)	RPR Problem Diagnosis (4)
Pediatrics (174)	Research (93)	Medical Software (3)
Specimen Processing (156)	Filing (93)	Microsoft Teams (2)
Specimen Collection (149)	Clerical Works (92)	R (Programming Language) (2)
Geriatrics (147)	Leadership (90)	Google Workspace (2)
Capillary (145)	Detail Oriented (70)	C (Programming Language) (1)

Educational Attainment:

The Bureau of Labor Statistics (BLS) lists a postsecondary nondegree award as the typical entry-level education for *Phlebotomists*. National-level educational attainment data indicates that 60% of workers in the field have completed some college or an associate degree as their highest level of education. Exhibit 9 shows the educational attainment for *Phlebotomists*.

Of the 634 online job postings, 60% (equivalent to 379 postings) of cumulative job postings for *Phlebotomists* listed a minimum education requirement in the SCV/SML subregion. Of the 379 postings, 99% (376) requested a high school or GED.

Exhibit 9: National-level Educational Attainment for Phlebotomists



Educational Supply

Community College Supply:

Community college supply shows the annual and three-year average number of awards conferred by community colleges in the programs that have historically trained for the occupation included in this report. No awards were conferred by community colleges in the SCV/SML subregion.

Community college supply also shows the annual average community college awards by type from 2021-22 through 2023-24. Of no awards conferred in the SCV/SML subregion, none of these awards were for an associate degree.

Community College Student Outcomes:

Exhibit 10 shows the Strong Workforce Program (SWP) metrics for Phlebotomy programs in West Kern Community College District (WKCCD), the SCV/SML subregion, the CVML region, and California.

Of the 670 phlebotomy program students statewide in the 2023-2024 academic year, none attended a CVML institution. Statewide students that exited phlebotomy programs in the 2023-2024 academic year had median annual earnings of \$43,112. Additionally, 34% of statewide students attained a living wage.

Exhibit 10: Phlebotomy (1205.10) Strong Workforce Program Metrics

SWP Metric	WKCCD	SCV/SML Subregion	CVML Region	California
SWP Students	N/A	N/A	N/A	670
SWP Students Who Earned 9 or More Career Education Units in the District in a Single Year	N/A	N/A	N/A	17%
SWP Students Who Completed a Noncredit CTE or Workforce Preparation Course	N/A	N/A	N/A	84%
SWP Students Who Earned a Degree or Certificate or Attained Apprenticeship Journey Status	N/A	N/A	N/A	25%
SWP Students Who Transferred to a Four-Year Postsecondary Institution	N/A	N/A	N/A	4%
SWP Students with a Job Closely Related to Their Field of Study	N/A	N/A	N/A	80%
Median Annual Earnings for SWP Exiting Students	N/A	N/A	N/A	\$43,112 (\$20.73)
Median Change in Earnings for SWP Exiting Students	N/A	N/A	N/A	35%
SWP Exiting Students Who Attained the Living Wage	N/A	N/A	N/A	34%



2023-2024



2022-2023



2021-2022



N/A

Non-Community College Supply:

For a comprehensive regional supply analysis, it is also important to consider the supply from other institutions in the region that provide training programs for the occupation studied in this report. Exhibit 11 shows the annual and three-year average number of awards conferred by non-community college institutions in programs that have historically trained for the occupation of interest.

Between 2020 and 2023, non-community college institutions in the SCV/SML subregion conferred an average of 4 awards annually in related programs.

Exhibit 11: SCV/SML Subregional Non-Community College Awards, 2020-2023

CIP Code	Program	Institution	2020-21 Awards	2021-22 Awards	2022-23 Awards	3-Year Award Average
51.1009	Phlebotomy Technician/Phlebotomist	Agape College of Business and Science	7	5	-	4
		California Institute of Medical Science	-	-	-	-
Subtotal/Average			7	5	-	4
SCV/SML Supply Grand Total			7	5	-	4

Appendix A: Methodology

The CVML COE prepared this report by analyzing data from occupations and education programs.

Occupational data is derived from Lightcast, a labor market analytics firm that consolidates data from the California Employment Development Department (EDD), U.S. Bureau of Labor Statistics (BLS) and other government agencies. Program supply data is drawn from two systems: Taxonomy of Programs (TOP) and Classification of Instructional Programs (CIP).

Using a TOP-SOC crosswalk, the CVML COE identified middle-skill jobs for which programs within these TOP codes train. Middle-skill jobs include:

- 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.

The CVML COE determined labor market supply for an occupation or SOC code by analyzing the number of program completers or awards in a related TOP or CIP code. The COE developed a “supply table” with this information, which is the source of the program supply data for this report. TOP code data comes from the California Community Colleges Chancellor's Office MIS Data Mart (datamart.cccco.edu) and CIP code data comes from the Integrated Postsecondary Education Data System (nces.ed.gov/ipeds/use-the-data), also known as IPEDS. TOP is a system of numerical codes used at the state level to collect and report information on California community college programs and courses throughout the state that have similar outcomes. CIP codes are a taxonomy of academic disciplines at institutions of higher education in the United States and Canada. Institutions outside of the California Community College system do not use TOP codes in their reporting systems.

Data included in this analysis represent the labor market demand for relevant positions most closely related to the proposed program as expressed by the requesting college in consultation with the CVML COE. Traditional labor market information was used to show current and projected employment based on data trends, as well as annual average awards granted by regional community colleges. Real-time labor market information captures job post advertisements for occupations relevant to the field of study which can signal demand and show what employers are looking for in potential employees but is not a perfect measure of the quantity of open positions.

All representations have been produced from primary research and/or secondary review of publicly and/or privately available data and/or research reports. The most recent data available at the time of the analysis was examined; 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 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.

Appendix B: Data Sources

Data Type	Source
Occupational Projections, Wages, and Job Postings	<p>Traditional labor market information data is sourced from Lightcast, a labor market analytics firm. Lightcast occupational employment data are based on final Lightcast industry data and final Lightcast staffing patterns. Wage estimates are based on Occupational Employment Statistics and the American Community Survey. For more information, see https://lightcast.io/</p>
Living Wage	<p>The living wage is derived from the Insight Center's California Family Needs Calculator, which measures the income necessary for an individual of family to afford basic expenses. The data assesses the cost of housing, food, childcare, health care, transportation, and taxes. For more information, see: https://selfsufficiencystandard.org/California/</p> <p>Wage figures are used by the CCCCCO to calculate the percentage of students that attained the regional living wage.</p>
Typical Education and Training Requirements, and Educational Attainment	<p>The Bureau of Labor Statistics (BLS) provides information about education and training requirements for hundreds of occupations. BLS uses a system to assign categories for entry-level education, work experience in a related occupation, and typical on-the-job training to each occupation for which BLS publishes projections data. For more information, see https://www.bls.gov/emp/documentation/education/tech.htm</p>
Emerging Occupation Descriptions, Additional Education Requirements, and Employer Preferences	<p>The O*NET database includes information on skills, abilities, knowledges, work activities, and interests associated with occupations. For more information, see https://www.onetonline.org/help/online/</p>
Educational Supply	<p>The CCCCCO Data Mart provides information about students, courses, student services, outcomes and faculty and staff. For more information, see: https://datamart.cccco.edu</p> <p>The National Center for Education Statistics (NCES) Integrated Postsecondary Integrated Data System (IPEDS) collects data on the number of postsecondary awards earned (completions). For more information, see https://nces.ed.gov/ipeds/use-the-data/survey-components/7/completions</p>
Student Metrics and Demographics	<p>DataVista, a statewide data system supported by the California Community Colleges Chancellor's Office and hosted by Cal-PASS Plus, provides data on progress, success, employment, and earnings outcomes for California community college students. For more information, see: https://datavista.cccco.edu/</p>
Population and Occupation Demographics	<p>The Census Bureau's American Community Survey (ACS) is the premier source for detailed population and housing information. For more information, see: https://www.census.gov/programs-surveys/acs</p> <p>Data is sourced from IPUMS USA, a database providing access to ACS and other Census Bureau data products. For more information, see: https://usa.ipums.org/usa/about.shtml</p>

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