

Labor Market Analysis for Program Review: 2104.00/Human Services

CVML Center of Excellence, August 2026



FOR LABOR MARKET RESEARCH
CENTRAL VALLEY/MOTHER LODGE

Summary

Program LMI Endorsement	Endorsed: All LMI Criteria Met ☐	Endorsed: Some LMI Criteria Met ☒	Not LMI Endorsed ☐
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Program LMI Endorsement Criteria

	Yes ☒	No ☐
Supply Gap:	<i>Comments:</i> There are projected to be 627 annual job openings throughout the SCV/SML subregion for the <i>community and social service</i>-related middle-skill occupation, which is more than the 405 awards conferred by educational institutions in the SCV/SML subregion (CC + Non-CC). <i>Note:</i> Only middle-skill jobs are considered when determining supply gap. Including the above middle-skill jobs increases the overall annual job openings by 729 to a total of 1,356.	
Living Wage: (Entry-Level as 25th Percentile):	<i>Comments:</i> The <i>community and social service</i>-related middle-skill occupation included in this report has an entry-level hourly wage above the SCV/SML living wage of \$16.08. <i>Note:</i> Only middle-skill jobs are considered when determining living wage.	
Education:	<i>Comments:</i> The typical entry-level education for the <i>community and social service</i>-related middle-skill occupation is a high school diploma or equivalent. Additionally, 32% have completed some college or an associate degree as their highest level of education. <i>Note:</i> Only middle-skill jobs are considered when determining education.	

Emerging Occupation(s)

Yes ☐	No ☒
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 occupations:

- Middle-Skill
 - Social and Human Service Assistants (21-1093)
- Above Middle-Skill - denoted with a caret (^) throughout this report
 - Social and Community Service Managers (11-9151)^
 - Child, Family, and School Social Workers (21-1021)^
 - Probation Officers and Correctional Treatment Specialists (21-1092)^

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 the *community and social service*-related middle-skill occupation. In addition to the middle-skill occupation in this report having an entry-level wage above the subregion's living wage, 32% of middle-skill workers in this field have completed some college or an associate degree as their highest level of education. **Therefore, due to most of the 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 *community and social service*-related occupations.

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
Social and Human Service Assistants (21-1093)	NCV/NML: 271 SCV/SML: 627	NCV/NML: 140 SCV/SML: 405	NCV/NML: \$21.91 SCV/SML: \$21.39	High school diploma or equivalent	32%
Middle-Skill Total	897	545	-	-	-
Social and Community Service Managers (11-9151)	NCV/NML: 107 SCV/SML: 199	NCV/NML: 140 SCV/SML: 405	NCV/NML: \$30.67 SCV/SML: \$30.64	Bachelor's degree	18%
Child, Family, and School Social Workers (21-1021)	NCV/NML: 269 SCV/SML: 386		NCV/NML: \$25.77 SCV/SML: \$25.17	Bachelor's degree	17%
Probation Officers and Correctional Treatment Specialists (21-1092)	NCV/NML: 61 SCV/SML: 144		NCV/NML: \$36.05 SCV/SML: \$35.06	Bachelor's degree	11%
Above Middle-Skill Total	1,165	545	-	-	-
Total	2,062		-	-	-

Demand:

- The number of jobs related to the *community and social service*-related middle-skill occupation in this report are projected to increase 11% through 2030. There will be 627 annual job openings in the SCV/SML subregion.
- The *community and social service*-related middle-skill occupation has an entry-level hourly wage above the living wage of \$16.08 in the SCV/SML subregion.

- There were 90 online job postings for the *community and social service*-related middle-skill occupation over the past 12 months.
- The Bureau of Labor Statistics (BLS) lists a high school diploma or equivalent as the typical entry-level education for *Social and Human Service Assistants*.
- National-level educational attainment data indicates that 32% of middle-skill workers in the field have completed some college or an associate degree as their highest level of education.

Supply:

- Between 2022 and 2025, there was an average of 104 awards conferred by community colleges in the SCV/SML subregion.
- Between 2021 and 2024, non-community college institutions in the SCV/SML subregion conferred an average of 301 awards in relevant programs.

Demand

Occupational Projections

Exhibit 2a shows the annual percent change for *Social and Human Service Assistants* from 2020 through 2030. The SCV/SML subregion experienced the highest growth in 2024 at 17%, compared to the 1% growth across all CA occupations. The SCV/SML subregion experienced the second highest growth in 2023 at 9%, compared to the 0% growth across all CA occupations. From 2027 to 2030, growth is projected to slightly fluctuate (between 1% and 3%) in the SCV/SML subregion.

Exhibit 2a (Middle-Skill) Annual Percent Change in Jobs for Social and Human Service Assistants, 2020-2030

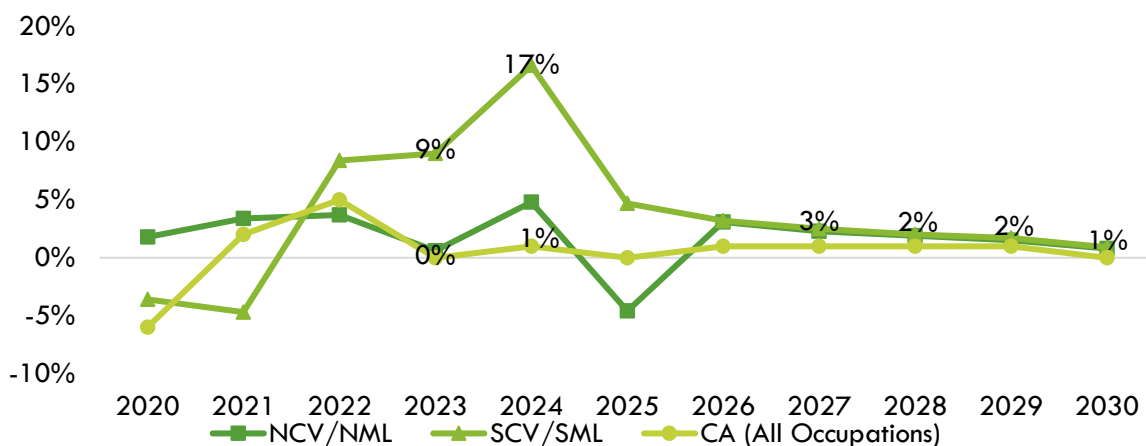


Exhibit 2b shows the annual percent change for the three *community and social service*-related above middle-skill occupations from 2020 through 2030. The SCV/SML subregion experienced the highest growth in 2024 at 12%, compared to the 1% growth across all CA occupations. The SCV/SML subregion experienced the second highest growth in 2022 at 8%, compared to the 5% growth across all CA occupations. From 2027 to 2030, growth is projected to remain steady (between 1% and 2%) in the SCV/SML subregion.

Exhibit 2b (Above Middle-Skill) Annual Percent Change in Jobs for Community and Social Service-Related Occupations, 2020-2030

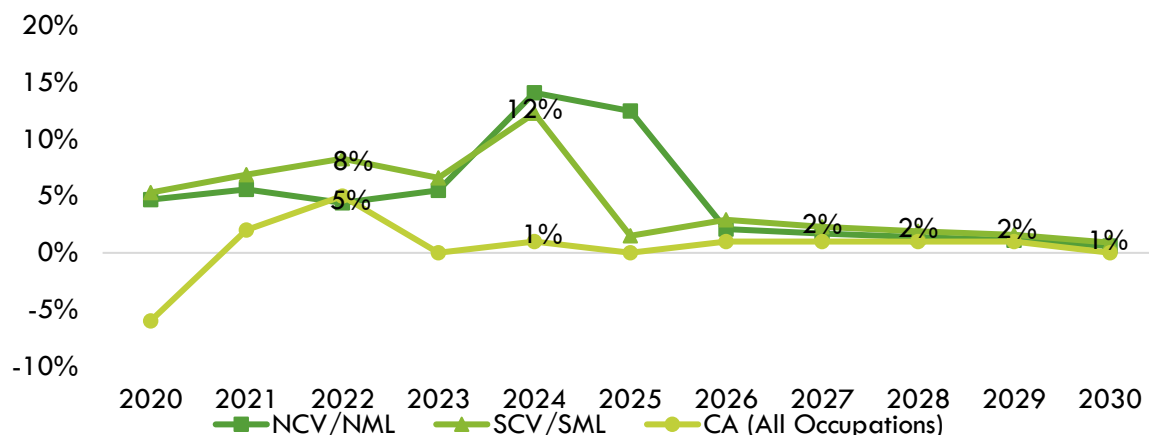


Exhibit 3a shows the five-year occupational demand projections for the *community and social service*-related middle-skill occupation. In the SCV/SML subregion, the number of jobs related to this occupation is projected to increase by 11% through 2030. There are projected to be 627 jobs available annually in the SCV/SML subregion.

Exhibit 3a (Middle-Skill): Occupational Demand in NCV/NML, SCV/SML, and CVML¹

Geography	2025 Jobs	2030 Jobs	2025-2030 Change	2025-2030 % Change	Annual Openings
NCV/NML	2,108	2,320	212	10%	271
SCV/SML	4,835	5,348	513	11%	627
CVML	6,943	7,668	725	10%	898

Exhibit 3b shows the five-year occupational demand projections for the three *community and social service*-related above middle-skill occupations. In the SCV/SML subregion, the number of jobs related to these occupations are projected to increase by 10% through 2030. There are projected to be 729 jobs available annually in the SCV/SML subregion.

Exhibit 3b (Above Middle-Skill): Occupational Demand in NCV/NML, SCV/SML, and CVML

Geography	2025 Jobs	2030 Jobs	2025-2030 Change	2025-2030 % Change	Annual Openings
NCV/NML	4,442	4,758	316	7%	436
SCV/SML	6,953	7,647	694	10%	729
CVML	11,395	12,405	1,010	9%	1,165

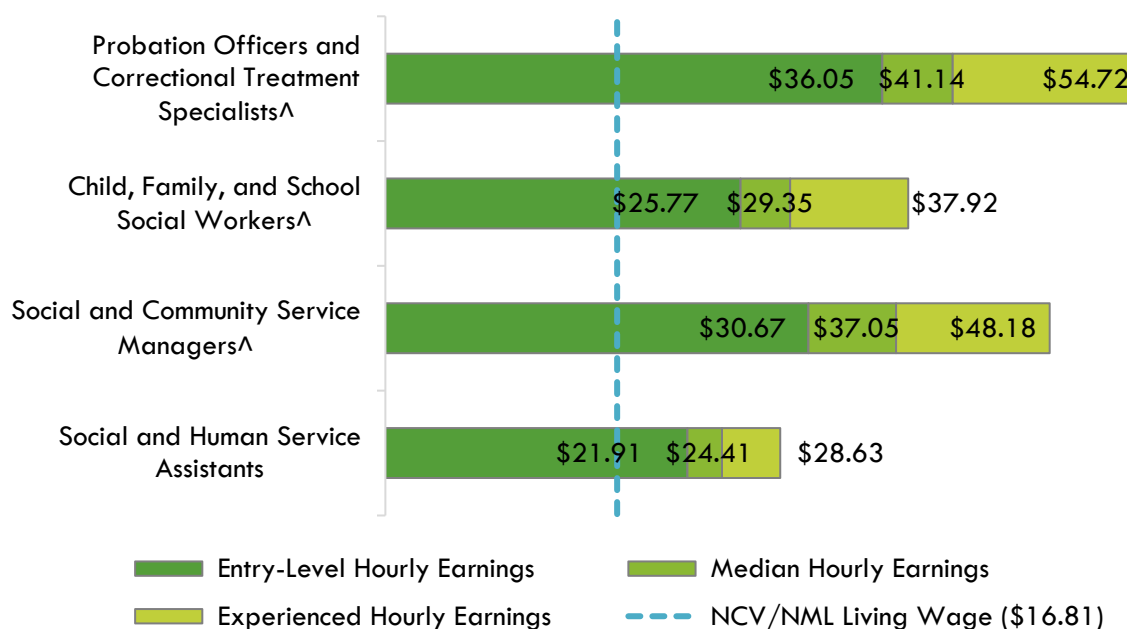
¹Five-year change represents new job additions to the workforce. Annual openings include new jobs and replacement jobs that result from retirements and separations.

Wages:

The labor market endorsement in this report considers the entry-level hourly wages for the four *community and social service*-related occupations 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.

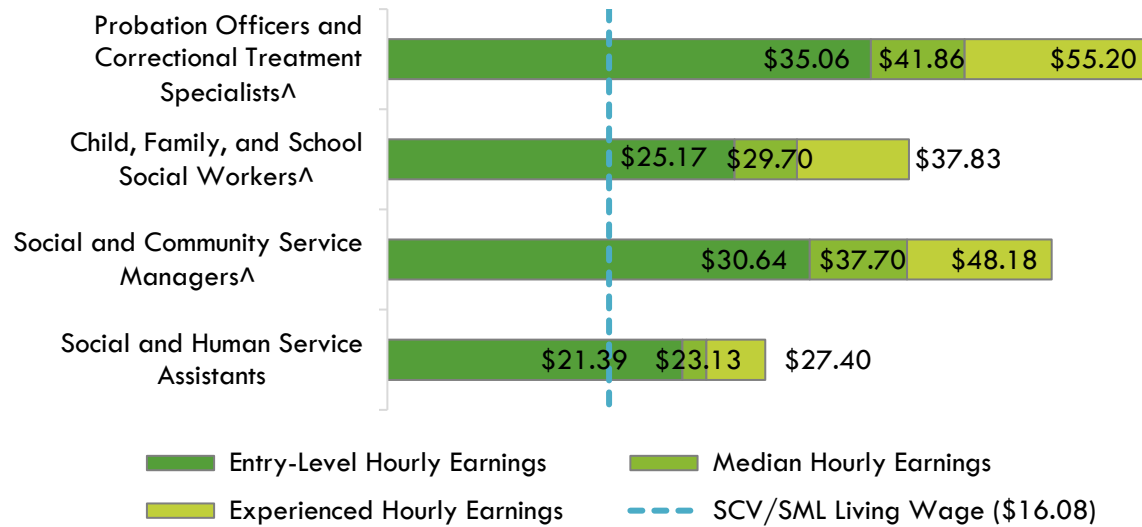
All four *community and social service*-related occupations have an entry-level hourly wage above the living wage for one adult in the NCV/NML subregion (\$16.81). The NCV/NML subregion average wage for these occupations is \$18.66, which is below the average statewide wage of \$20.77. Exhibit 4a shows the wage range for *community and social service*-related occupations and how they compare to the NCV/NML subregion's living wage.

Exhibit 4a: Wages by Occupation in NCV/NML



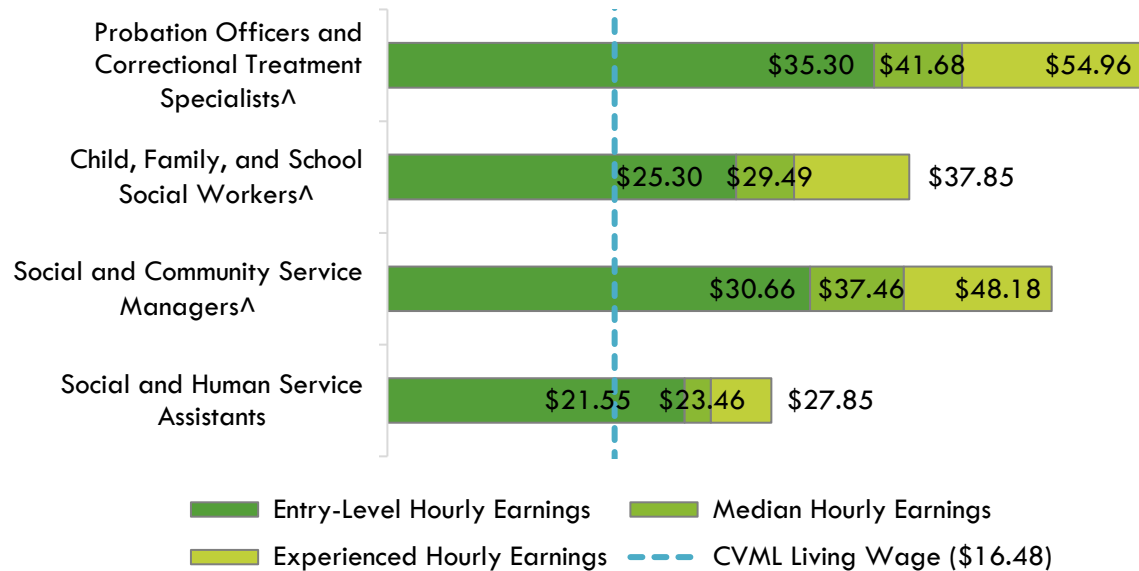
All four *community and social service*-related occupations have an entry-level hourly wage above the living wage for one adult in the SCV/SML subregion (\$16.08). The SCV/SML subregion average wage for these occupations is \$22.59, which is above the average statewide wage of \$20.77. Exhibit 4b shows the wage range for *community and social service*-related occupations and how they compare to the SCV/SML subregion's living wage.

Exhibit 4b: Wages by Occupation in SCV/SML



All four *community and social service*-related occupations have an entry-level hourly wage above the living wage for one adult in the CVML region (\$16.48). The CVML region average wage for these occupations is \$17.19, which is below the average statewide wage of \$20.77. Exhibit 5 shows the wage range for *community and social service*-related occupations 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 90 online job postings related to Social and Human Service Assistants listed in the past 12 months (Exhibit 6a).

Exhibit 6a (Middle-Skill): Number of Job Postings (n=90)

Occupations	Job Postings	Percentage of Job Postings
Social and Human Service Assistants	90	100%

There were 1,345 online job postings related to community and social service-related occupations listed in the past 12 months (Exhibit 6b).

Exhibit 6b (Above Middle-Skill): Number of Job Postings (n=1,345)

Occupations	Job Postings	Percentage of Job Postings
Child, Family, and School Social Workers	1,207	90%
Probation Officers and Correctional Treatment Specialists	75	6%
Social and Community Service Managers	63	5%

The top employers in the region for Social and Human Service Assistants, by number of job postings, are shown in Exhibit 7a.

Exhibit 7a (Middle-Skill): Top Employers by Number of Job Postings (n=90)

Employers	Job Postings	Percentage of Job Postings
Taft College	4	4%
Kern County	4	4%

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

Employers	Job Postings	Percentage of Job Postings
California Armenian Home	4	4%
Calhr Basket	3	3%
American Heart Association	3	3%
Cygnet Health Care	3	3%
Mono County	2	2%
County of Inyo	2	2%
Oakwood Gardens Care Center	2	2%
County of Madera	2	2%

The top employers in the region for *community and social service*-related occupations, by number of job postings, are shown in Exhibit 7b.

**Exhibit 7b (Above Middle-Skill): Top Employers by Number of Job Postings
(n=1,345)**

Employers	Job Postings	Percentage of Job Postings
EMIT Learning	78	6%
Edjoin.Org	58	4%
Mental Health Systems	51	4%
Aspiranet	28	2%
Turning Point of Central California	26	2%
State of California	24	2%
Calhr Basket	23	2%
GEO Group	23	2%
Community Action Partnership of Kern	19	1%
Community Health Systems Professional Services Corporation	19	1%

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

Exhibit 8a (Middle-Skill): Top Skills by Number of Job Postings (n=90)

Top Specialized Skills	Top Soft Skills	Top Computer Skills
Social Work (40)	Communication (50)	Microsoft Word (11)
Office Equipment (22)	Confidentiality (29)	Microsoft Excel (9)
Nursing (22)	English Language (25)	Microsoft Office (6)
Discharge Planning (21)	Planning (23)	Microsoft Outlook (4)
Psychiatry (16)	Management (19)	Mono (3)
Medicare (16)	Coordinating (19)	Apache OpenOffice (3)
Podiatry (15)	Leadership (16)	Zoom (Video Conferencing Tool) (2)
Medicaid (14)	Budgeting (14)	Spreadsheets (2)
Lifting Ability (13)	Multilingualism (12)	Microsoft PowerPoint (2)
Dentistry (13)	Computer Literacy (12)	Productivity Software (1)

The top specialized, common, and software skills for *community and social service*-related occupations are listed by those most frequently mentioned in job postings (denoted in parentheses) are shown in Exhibit 8b.

Exhibit 8b (Above Middle-Skill): Top Skills by Number of Job Postings (n=1,345)

Top Specialized Skills	Top Soft Skills	Top Computer Skills
Social Work (838)	Communication (580)	Microsoft Office (145)
Case Management (511)	Confidentiality (380)	Microsoft Excel (75)
Mental Health (406)	Advocacy (334)	Microsoft Outlook (63)
Crisis Intervention (364)	Coordinating (315)	Microsoft Word (62)
Psychology (308)	Management (268)	Productivity Software (39)
Human Services (198)	Multilingualism (253)	Microsoft PowerPoint (35)
Treatment Planning (190)	Planning (222)	Zoom (Video Conferencing Tool) (34)
Disabilities (189)	Organizational Skills (213)	Spreadsheets (31)
Child Development (186)	Ethical Standards And Conduct (210)	Microsoft 365 (27)
Discharge Planning (168)	English Language (179)	Business Software (26)

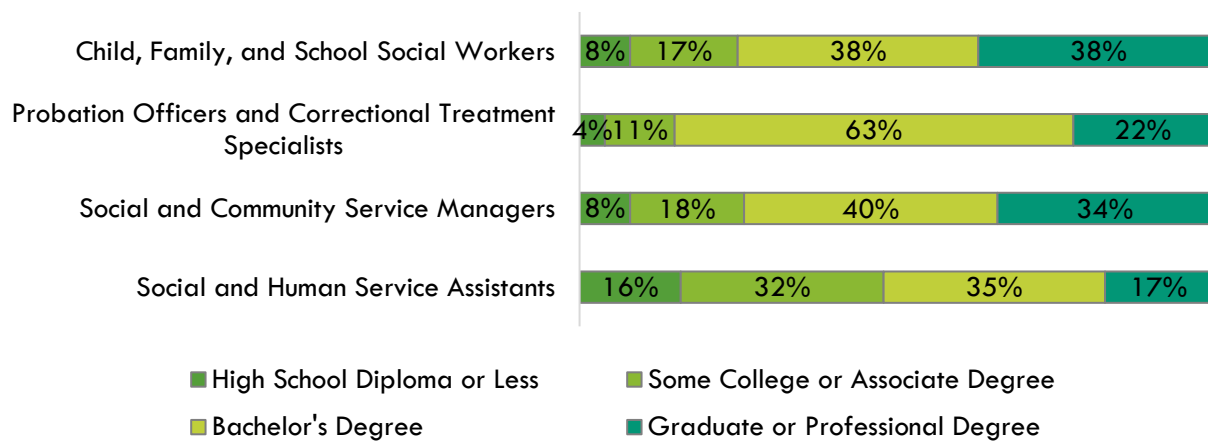
Educational Attainment:

The Bureau of Labor Statistics (BLS) lists a high school diploma or equivalent as the typical entry-level education for *Social and Human Service Assistants* and lists a bachelor's degree as the typical entry-level education for *Social and Community Service Managers*, *Child, Family, and School Social Workers* and *Probation Officers and Correctional Treatment Specialists*. National-level educational attainment data indicates that 32% of middle-skill 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 the four *community and social service*-related occupations.

Of the 90 online job postings for the middle-skill occupation, 60% (equivalent to 54 postings) of cumulative job postings listed a minimum education requirement in the SCV/SML subregion. Of the 54 postings, 91% (49) requested a high school or GED.

Of the 1,345 online job postings for above middle-skill occupations, 80% (equivalent to 1,073 postings) of cumulative job postings listed a minimum education requirement in the SCV/SML subregion. Of the 1,073 postings, 44% (470) requested a bachelor's degree.

Exhibit 9: National-level Educational Attainment for Community and Social Service-Related Occupations



Educational Supply

Community College Supply:

Exhibits 10a and 10b show the annual and three-year average number of awards conferred by community colleges in the programs that have historically trained for the occupations included in this report. The colleges with the most completions are Modesto (North) and Fresno City (South).

**Exhibit 10a: NCV/NML Community College Awards (Certificates and Degrees)
2022-23 through 2024-25**

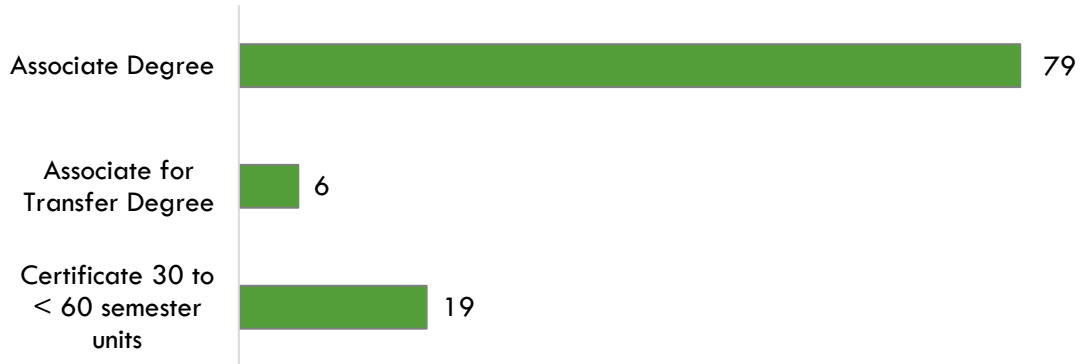
TOP Code	Program	College	2022-2023 Awards	2023-2024 Awards	2024-2025 Awards	3-Year Award Average
2104.00	Human Services	Columbia	1	7	49	19
		Merced	3	2	6	4
		Modesto	23	33	27	28
		San Joaquin Delta	2	6	4	4
Subtotal/Average			29	48	86	54
NCV/NML Supply Grand Total			29	48	86	54

**Exhibit 10b: SCV/SML Community College Awards (Certificates and Degrees)
2022-23 through 2024-25**

TOP Code	Program	College	2022-2023 Awards	2023-2024 Awards	2024-2025 Awards	3-Year Award Average
2104.00	Human Services	Bakersfield	22	21	21	21
		Cerro Coso	14	16	14	15
		Fresno City	72	42	45	53
		Madera	1	4	6	4
		Sequoias	16	9	9	11
Subtotal/Average			125	92	95	104
SCV/SML Supply Grand Total			125	92	95	104

Exhibit 11 shows the annual average community college awards by type from 2022-23 through 2024-25. Of the 104 awards conferred in the SCV/SML subregion, 82% (85) of these awards were for an associate degree and an associate for transfer degree.

Exhibit 11: Annual Average Community College Awards (SCV/SML) by Type, 2022-2025



Community College Student Outcomes:

Exhibit 12 shows the Strong Workforce Program (SWP) metrics for Human Services programs in State Center Community College District (SCCCD), the SCV/SML subregion, the CVML region, and California.

Of the 11,180 human services program students statewide in the 2024-2025 academic year, 21% (2,373) attended a CVML institution. SCCC students that exited human services programs in the 2023-2024 academic year had less median annual earnings (\$33,256) compared to all human services students in SCV/SML subregion (\$34,656). Notably, 51% of CVML region human services students attained a living wage, which is greater than the percentage of students who attained a living wage statewide (44%).

Exhibit 12: Human Services (2104.00) Strong Workforce Program Metrics

SWP Metric	SCCCD	SCV/SML Subregion	CVML Region	California
SWP Students	779	1,297	2,373	11,180
SWP Students Who Earned 9 or More Career Education Units in the District in a Single Year	32%	31%	30%	24%
SWP Students Who Completed a Noncredit CTE or Workforce Preparation Course	N/A	83%	79%	75%
SWP Students Who Earned a Degree or Certificate or Attained Apprenticeship Journey Status	6%	7%	6%	8%
SWP Students Who Transferred to a Four-Year Postsecondary Institution	9%	8%	7%	7%
SWP Students with a Job Closely Related to Their Field of Study	76%	79%	78%	73%
Median Annual Earnings for SWP Exiting Students	\$33,256 (\$15.99)	\$34,656 (\$16.66)	\$37,228 (\$17.90)	\$43,168 (\$20.75)
Median Change in Earnings for SWP Exiting Students	45%	33%	24%	25%
SWP Exiting Students Who Attained the Living Wage	40%	47%	51%	44%



2024-2025



2023-2024



2022-2023



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 occupations studied in this report. Exhibits 13a and 13b show the annual and three-year average number of awards conferred by non-community college institutions in programs that have historically trained for the occupations of interest.

Between 2021 and 2024, non-community college institutions in the SCV/SML subregion conferred an average of 301 awards annually in related programs.

Exhibit 13a: NCV/NML Subregional Non-Community College Awards, 2021-2024

CIP Code	Program	Institution	2021-22 Awards	2022-23 Awards	2023-24 Awards	3-Year Award Average
44.0701	Social Work	California State University-Stanislaus	73	97	88	86
Subtotal/Average			73	97	88	86
NCV/NML Supply Grand Total			73	97	88	86

Exhibit 13b: SCV/SML Subregional Non-Community College Awards, 2021-2024

CIP Code	Program	Institution	2021-22 Awards	2022-23 Awards	2023-24 Awards	3-Year Award Average
44.0701	Social Work	California State University-Bakersfield	75	69	60	68
		California State University-Fresno	155	127	134	139
		Fresno Pacific University	80	132	70	94
Subtotal/Average			310	328	264	301
SCV/SML Supply Grand Total			310	328	264	301

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	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/
Living Wage	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/ Wage figures are used by the CCCCCO to calculate the percentage of students that attained the regional living wage.
Typical Education and Training Requirements, and Educational Attainment	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
Emerging Occupation Descriptions, Additional Education Requirements, and Employer Preferences	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/
Educational Supply	The CCCCCO Data Mart provides information about students, courses, student services, outcomes and faculty and staff. For more information, see: https://datamart.cccco.edu 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
Student Metrics and Demographics	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/
Population and Occupation Demographics	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 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

For more information, please contact the Central Valley/Mother Lode Center of Excellence:

Patricia Salinas, District Director

patricia.salinas@sccd.edu

Ignacio Faria, Senior Research and Planning Analyst

ignacio.faria@sccd.edu

Angela Steitz, Program Specialist

angela.steitz@sccd.edu

