

Summary

Program LMI Endorsement	Endorsed: All LMI Criteria Met <input type="checkbox"/>	Endorsed: Some LMI Criteria Met <input checked="" 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:	Comments: there is projected to be 34 annual job openings in the South Central Coast region (SCC) for <i>Diagnostic Medical Sonographers (29-2032)</i> , which is only one annual job opening more than the 33 awards conferred by non-community college institutions . However, all awards conferred were in San Luis Obispo County, which is far north of College of the Canyons, the college that requested this analysis. Based on commuting patterns data, it is unlikely that completers in San Luis Obispo County will compete for job opportunities in Northern LA county.	
Self-Sufficiency Standard Living Wage ¹ :	Comments: Typical entry-level hourly wages for <i>Diagnostic Medical Sonographers (29-2032)</i> are \$40.03, which is significantly above the Los Angeles County living wage of \$24.03 .	
Education:	Comments: The typical entry-level education for <i>Diagnostic and Medical Sonography (29-2032)</i> is an associate degree . Additionally, 48% of workers in the field have completed some college or an associate degree as their highest level of education .	
Additional Considerations		
Emerging Occupation(s):	Yes <input type="checkbox"/>	Some <input type="checkbox"/> No <input checked="" type="checkbox"/>
Comments: N/A		

The South Central Coast Center of Excellence for Labor Market Research (SCC COE) prepared this report to determine whether there is a supply gap in the SCC regional labor market related to the one middle-skill occupation:

- *Diagnostic Medical Sonographers (29-2032)*

Based on the available data it appears that supply is nearly equivalent to demand for *Diagnostic Medical Sonographers (29-2032)* occupation. However, it is important to note that all awards were conferred by one non-community college institution in San Luis Obispo County, far north of College of the Canyons, the college that requested this analysis. It is unlikely that completers from

¹ At the direction of the California Community College Chancellor’s Office, the living wage endorsement criteria in this report uses the University of Washington’s Center for Women’s Welfare Self-Sufficiency Standard, which the COE refers to as a living wage, to determine the living wage for Los Angeles, San Luis Obispo, Santa Barbara, and Ventura counties, last updated in March 2024.

this program will compete for jobs in College of the Canyons' service area. Additionally, typical education requirements align with a community college education and typical entry-level wages are above the Self-Sufficiency Standard living wage. **Therefore, due to all 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 the occupations included in this report.

Exhibit 1: Labor Market Endorsement Summary

Occupation (SOC)	Demand (Annual Openings)	Supply (CC and Non-CC)	Entry-Level Hourly Earnings (25 th Percentile)	Typical Entry-Level Education	Community College Educational Attainment
Diagnostic Medical Sonographers (29-2032)	34	33	Northern LA: \$40.03	Associate degree	48%
Total	34	33	N/A	N/A	N/A

Demand:

- The number of jobs related to *Diagnostic Medical Sonographers (29-2032)* is projected to increase 8% through 2028 in the SCC Region. There are projected to be 34 annual job openings due to new job creation and replacements.
- Hourly entry-level wages for *Diagnostic Medical Sonographers (29-2032)* are \$40.03, which is significantly above the Self-Sufficiency Standard living wage (\$24.03 for Los Angeles County).
- There were 223 online job postings for *Diagnostic Medical Sonographers (29-2032)* over the past 12 months. The highest number of postings were for travel ultrasound technologists, ultrasound technicians, and sonographers.
- The typical entry-level education for *Diagnostic Medical Sonographers (29-2032)* occupation is an associate degree.
- Notably, 48% of workers in the field have completed some college or an associate degree as their highest level of education.

Supply:

- Regional community colleges did not confer any related awards from 2020 to 2023.
- There was an average of 33 awards conferred by 1 non-community college institution in the SCC Region from 2019-2022.
- Because regional community colleges do not currently offer Diagnostic Medical Sonographer programs, the following student metrics are not available:
 - Median annual wage of students that exited a program during the 2021-2022 academic year.
 - The percentage of students who exited a program and attained the regional living wage.
 - The percentage of students who exited a program in 2020-21 and reported that they are working in a job closely related to their field of study.

Demand

Occupational Projections:

Exhibit 2 compares historical and projected changes in employment for this occupation compared to the number of jobs in 2018. Notably, employment for *Diagnostic Medical Sonographers (29-2032)* in Los Angeles grew 37% from 2018-2023, which mirrors the employment trend for this occupation in California, the SCC Region overall, and other counties in the SCC Region. Santa Barbara saw the largest increase in employment from 2018 to 2023 (57%). From 2023-2028, employment for *Diagnostic Medical Sonographers (29-2032)* is projected to continue growing in all counties, with significant growth in Santa Barbara County.

Exhibit 2: Historical and Projected Employment for Diagnostic Medical Sonographers in the SCC Region, 2018-2028

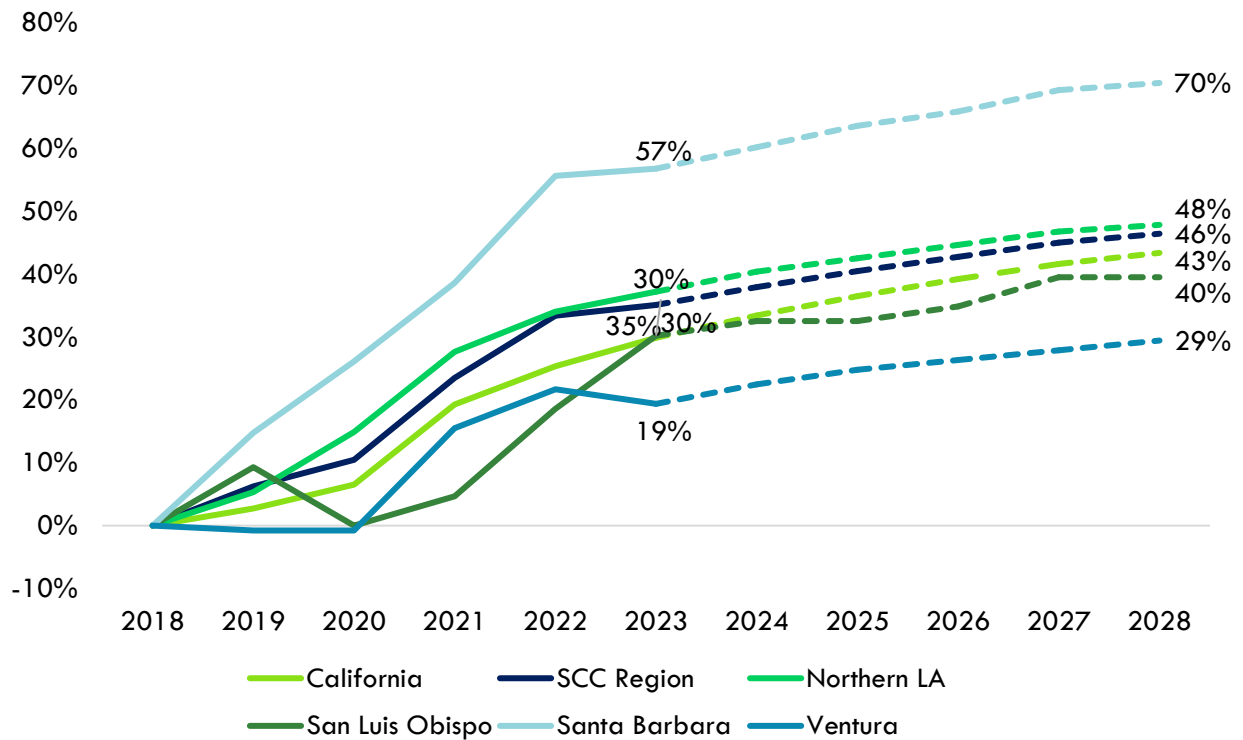


Exhibit 3 shows the five-year occupational demand projections for *Diagnostic Medical Sonographers (29-2032)*. In the SCC Region, the number of jobs related to this occupation is projected to increase 8% through 2028. There is projected to be 34 jobs available annually. Specifically in Northern LA County, employment is projected to increase 8% through 2028 and there is projected to be 9 annual job openings.

Exhibit 3: Occupational Demand in SCC Region²

Geography	2023 Jobs	2028 Jobs	2023-2028 Change	2023-2028 % Change	Annual Openings
Northern LA	129	139	10	8%	9
San Luis Obispo	56	60	5	8%	4
Santa Barbara	138	150	12	9%	10
Ventura	154	167	13	8.4%	11
SCC Region	477	517	40	8%	34

Wages:

The labor market endorsement in this report considers the entry-level hourly wages for these real estate occupations in relation to the living wage of the county where the requesting community college is located. This report was requested by College of the Canyons, which is in Los Angeles County. Wages for other counties are included below to provide a complete analysis of the SCC Region.

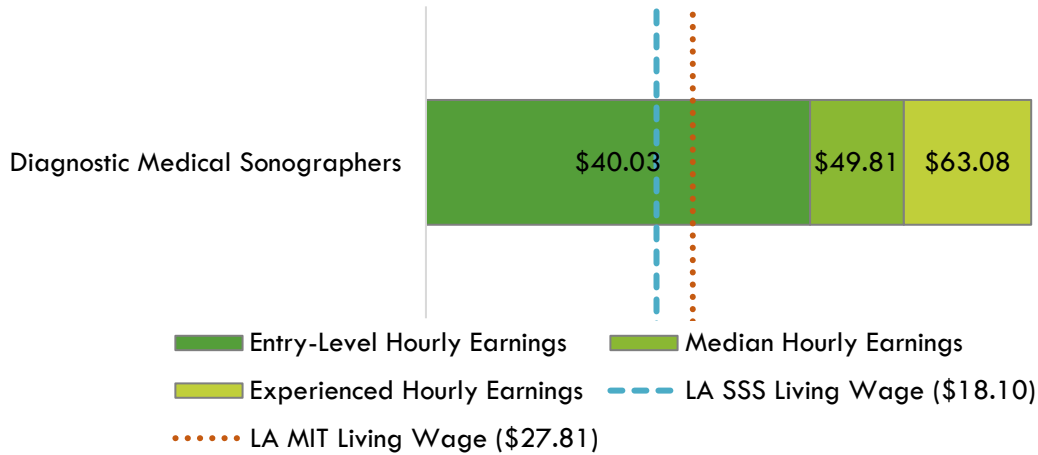
At the direction of the California Community College Chancellor’s Office, the living wage endorsement criteria in this report uses the University of Washington’s Center for Women’s Welfare Self-Sufficiency Standard which the COE refers to as a living wage, to determine each county’s living wage (last updated in March 2024). Additionally, data for the MIT Living Wage, updated on February 10, 2025, is provided as a reference. Both figures, which account for geographic-specific costs of necessities such as housing, food, health care, and transportation to assess the cost of living, are included in the exhibits below.

² Five-year change represents new job additions to the workforce. Annual openings include new jobs and replacement jobs that result from retirements and separations. It is important to note that adding jobs, change, and annual openings for each geographic area may not add to the total listed in the SCC Region row. This is due to how data is reported at the county vs. ZIP code level. For more information, see Appendix A: Methodology.

Northern Los Angeles

Typical entry-level hourly wages for *Diagnostic Medical Sonographers (29-2032)* are \$40.03, which is above the Self-Sufficiency Standard living wage for one adult (\$24.03 in Los Angeles County). Exhibit 4 shows the wage range for *Diagnostic Medical Sonographers (29-2032)* in Northern Los Angeles County and how it compares to the regional living wage.

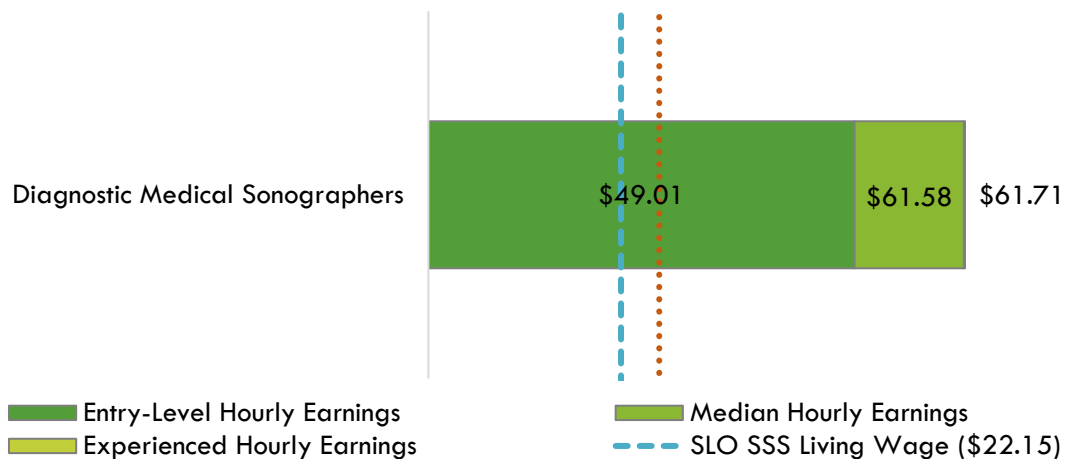
Exhibit 4: Wages by Occupation in Northern Los Angeles County



San Luis Obispo

Typical entry-level hourly wages *Diagnostic Medical Sonographers (29-2032)* are \$49.01, which is above the Self-Sufficiency Standard living wage for one adult (\$22.15 in San Luis Obispo County). Exhibit 5 shows the wage range for *Diagnostic Medical Sonographers (29-2032)* in San Luis Obispo County and how it compares to the regional living wage.

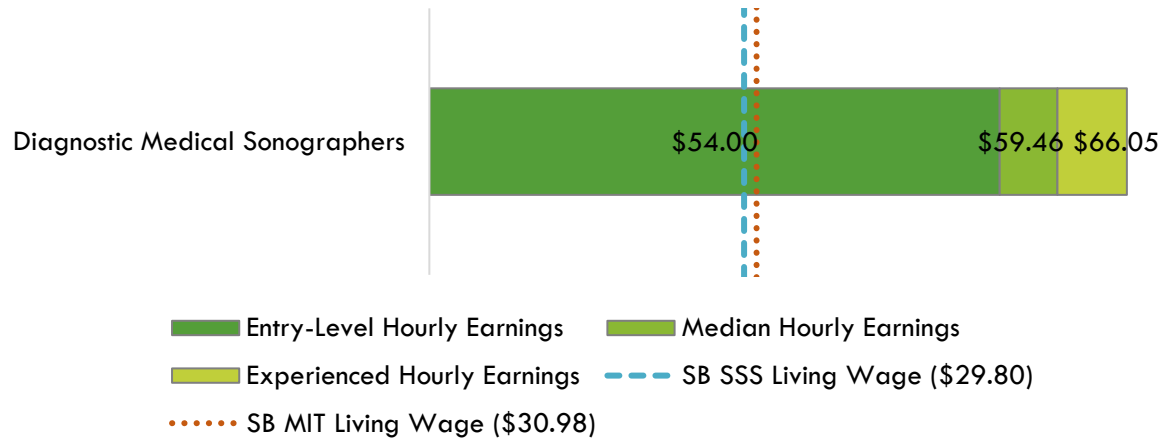
Exhibit 5: Wages by Occupation in San Luis Obispo County



Santa Barbara

Typical entry-level hourly wages for *Diagnostic Medical Sonographers (29-2032)* are \$54.00, which is above the Self-Sufficiency Standard living wage for one adult (\$29.80 in Santa Barbara County). Exhibit 6 shows the wage range for *Diagnostic Medical Sonographers (29-2032)* in Santa Barbara County and how it compares to the regional living wage.

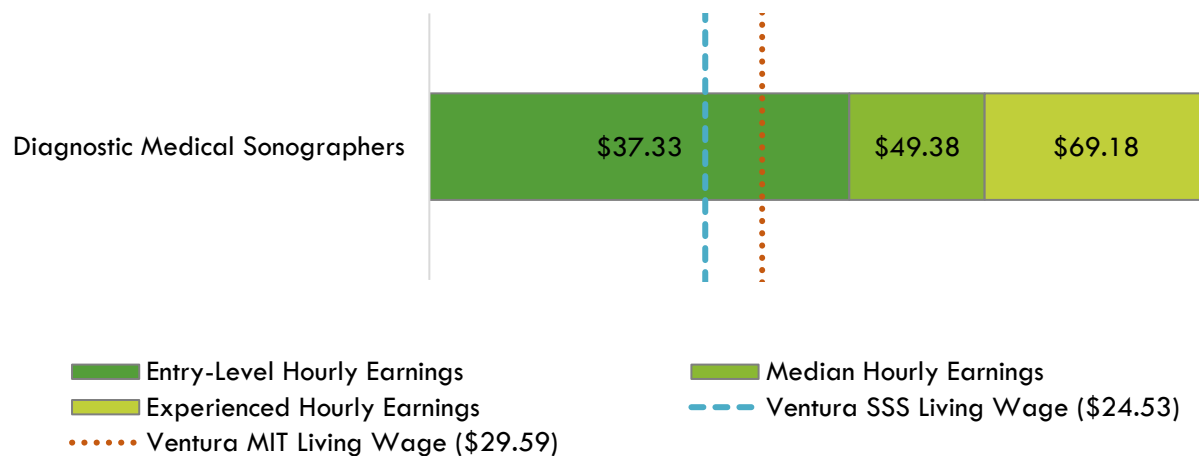
Exhibit 6: Wages by Occupation in Santa Barbara County



Ventura

Typical entry-level hourly wages for *Diagnostic Medical Sonographers (29-2032)* are \$37.33 which is above the Self-Sufficiency Standard living wage for one adult (\$24.53 in Ventura County). Exhibit 7 shows the wage range for *Diagnostic Medical Sonographers (29-2032)* in Ventura County and how it compares to the regional living wage.

Exhibit 7: Wages by Occupation in Ventura County



Job Postings:

There were 223 job postings related to *Diagnostic Medical Sonographers (29-2032)* listed in the past 12 months in the SCC Region. Exhibit 8 shows the number of job postings. Over one-third (35%) of job postings were in Santa Barbara County.

Exhibit 8: Number of Job Postings by Sub-Region (n=223)

Occupation	Job Postings	Percentage of Job Postings
Santa Barbara	78	35%
Ventura	61	27%
San Luis Obispo	55	25%
Northern Los Angeles	29	13%
Total Postings	223	100%

Due to the analysis focusing on one occupation, *Diagnostic Medical Sonographers (29-2032)*, all job postings reflected that occupation, as shown in Exhibit 9.

Exhibit 9: Number of Job Postings by Occupation (n=223)

Occupation	Job Postings	Percentage of Job Postings
Diagnostic Medical Sonographers	223	100%

The top employers in the region, by number of job postings, are shown in Exhibit 10.

Exhibit 10: Top Employers by Number of Job Postings (n=223)

Employer	Job Postings	Percentage of Job Postings
UPMC Mercy School of Nursing	15	7%
RadNet	14	6%
Cottage Health	13	6%
Vetted Health	10	4%
AMN Healthcare	7	3%
Adventist Health	7	3%
Community Memorial Health System	6	3%
MercyOne	6	3%
Aureus Medical Group	5	2%
Aya Healthcare	5	2%

The top specialized, soft, and computer skills listed by those most frequently mentioned in job postings (denoted in parentheses) are shown in Exhibit 11.

Exhibit 11: Top Skills by Number of Job Postings (n=223)

Top Specialized Skills	Top Soft Skills	Top Computer Skills
Medical Ultrasonography (218)	Communication (53)	Epic EMR (3)

Top Specialized Skills	Top Soft Skills	Top Computer Skills
Radiology (65)	Interpersonal Communications (32)	Microsoft Excel (3)
Anatomy (63)	Ingenuity (28)	Microsoft Office (2)
Obstetrics And Gynaecology (53)	Organizational Skills (27)	Microsoft Outlook (2)
Pathology (40)	Packaging And Labeling (24)	Adobe Acrobat (1)
Physiology (34)	Self-Motivation (24)	Microsoft PowerPoint (1)
Cardiopulmonary Resuscitation (CPR) (31)	Team Oriented (24)	Network File Systems (1)
Acute Care (25)	Tactfulness (15)	Zoom (Video Conferencing Tool) (1)
Diagnostic Medical Sonography (21)	Writing (13)	N/A
Biopsies (20)	Accountability (12)	N/A

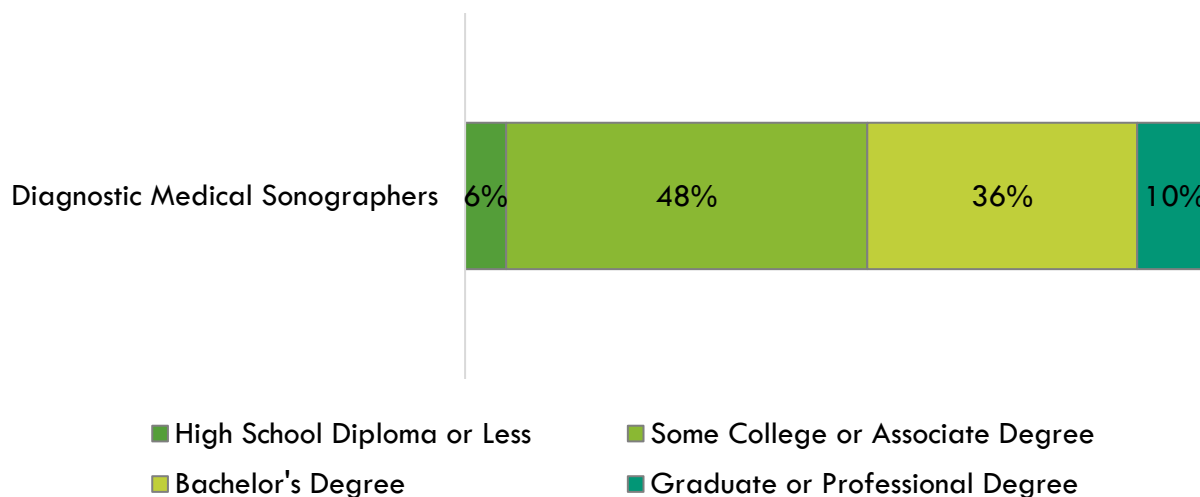
Educational Attainment:

The Bureau of Labor Statistics (BLS) lists the following as the typical entry-level education for this occupation:

- Associate degree:
 - *Diagnostic Medical Sonographers (29-2032)*

The national-level educational attainment data indicates 48% of workers in the field have completed some college of an associate degree as their highest level of education. Exhibit 12 shows the educational attainment for *Diagnostic Medical Sonographers (29-2032)*.

Exhibit 12: National-level Educational Attainment for Occupations



Of the 18% of the cumulative job postings for this occupation that listed a minimum education requirement in the SCC Region, 90% (37) requested a high school diploma or an associate degree and 10% (4) requested a bachelor's degree.

Educational Supply

Community College Supply:

Over the past three years (2019-2022), there were no awards conferred by community colleges in the related TOP Codes:

- Diagnostic Medical Sonography (1227.00)

Notably, Santa Barbara City College (SBCC) formerly offered a Diagnostic Medical Sonography program. Though the program is still listed as active in the Chancellor's Office Curriculum Inventory (COCI), SBCC's website indicates that the program is no longer offered and there are no plans to offer it in the future.³

Community College Student Outcomes:

Exhibit 15 shows the Strong Workforce Program (SWP) metrics for Diagnostic Medical Sonography programs at College of the Canyons (COC), the SCC Region, and California.

According to COCI data, SBCC has an active Diagnostic Medical Sonography. As noted in the previous section, SBCC's website indicates that the program is no longer offered and there are no plans to offer it in the future. Since SBCC's program is no longer offered, no community colleges within the SCC Region have active Diagnostic Medical Sonography programs. Thus, SWP metrics are not available at the district and SCC Region level.

Statewide, the median annual earnings for SWP exiting students are \$75,564 (or \$36.33 per hour). Additionally, 81% of students who exited Diagnostic Medical Sonography programs attained the living wage.

Exhibit 13: Diagnostic Medical Sonography (1227.00) Strong Workforce Program Metrics, 2022-23⁴

SWP Metric	COC	SCC Region	California
SWP Students	N/A	N/A	213
SWP Students Who Earned 9 or More Career Education Units in the District in a Single Year	N/A	N/A	59%
SWP Students Who Completed a Noncredit CTE or Workforce Preparation Course	N/A	N/A	N/A
SWP Students Who Earned a Degree or Certificate or Attained Apprenticeship Journey Status	N/A	N/A	17%
SWP Students Who Transferred to a Four-Year Postsecondary Institution (2021-22)	N/A	N/A	N/A
SWP Students with a Job Closely Related to Their Field of Study (2020-21)	N/A	N/A	N/A
Median Annual Earnings for SWP Exiting Students (2021-22)	N/A	N/A	\$75,564 (\$36.33)
Median Change in Earnings for SWP Exiting Students (2021-22)	N/A	N/A	138%
SWP Exiting Students Who Attained the Living Wage (2021-22)	N/A	N/A	81%

³ <https://www.sbccc.edu/sonography/>

⁴ All SWP metrics are for 2022-23 unless otherwise noted.

Non-Community College Supply:

To comprehensively analyze the regional supply, it is crucial to include data from other institutions offering diagnostic medical sonography programs. Exhibit 16 shows the three-year average number of awards conferred by non-community colleges under the related Classification of Instructional Programs (CIP) codes:

- Diagnostic Medical Sonography/Sonographer and Ultrasound Technician (51.0910)

The available data covers 2019 to 2022. During this period, non-community college institutions in the region conferred an average of 33 awards annually in related programs. Notably, Central California School of Continuing Education in San Luis Obispo County is the only institution that conferred awards.

Exhibit 14: Regional Non-Community College Awards, 2019-2022

CIP Code	Program	College	2019- 2020 Awards	2020- 2021 Awards	2021- 2022 Awards	3-Year Award Average
51.0910	Diagnostic Medical Sonography/Sonographer and Ultrasound Technician	Central California School of Continuing Education	43	28	27	33
Supply Subtotal/Average			43	28	27	33

Regional Demographics

This section examines demographic data for SCC community college students in Diagnostic Medical Sonography programs compared to the SCC labor force, along with occupational data, to identify potential diversity and equity issues addressable by community college programs.

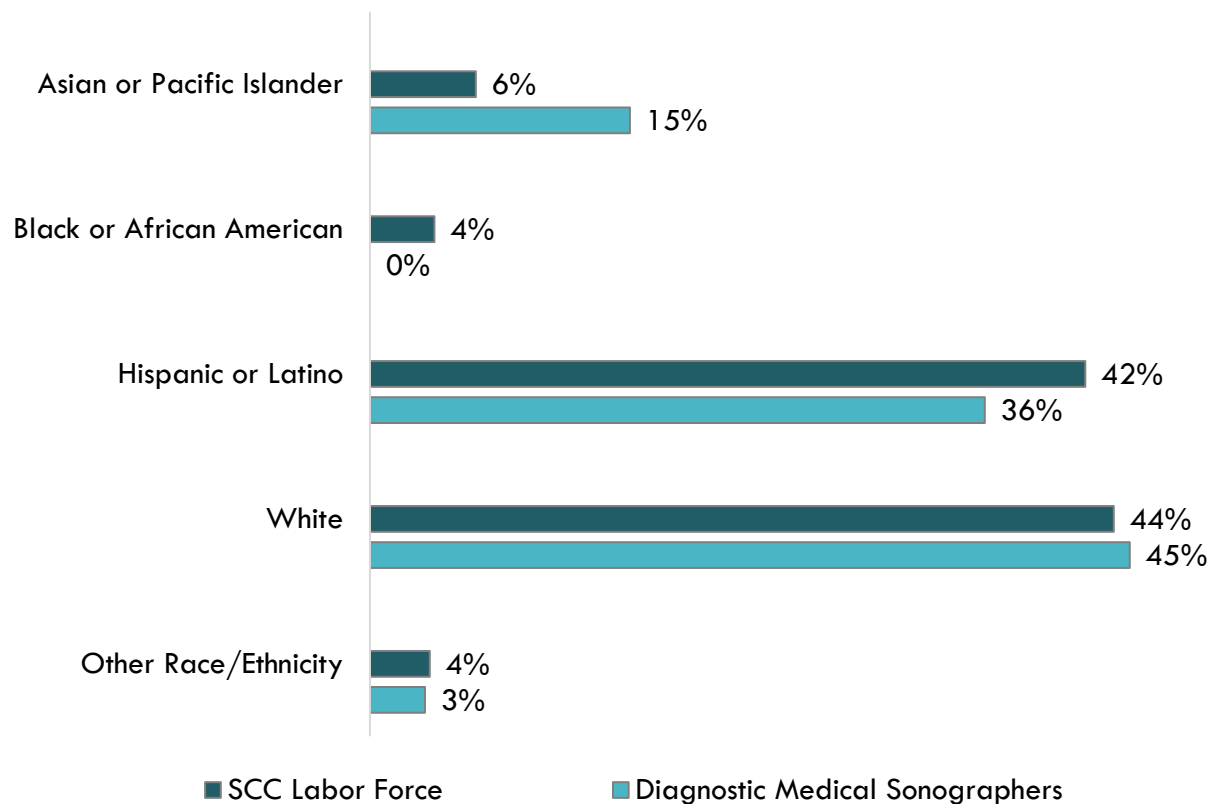
As noted in the Strong Workforce Program Metrics section, there are no active Diagnostic Medical Sonography programs offered by community colleges within the SCC Region. Therefore, there is no student demographic data currently for this TOP code (1227.00) at the regional level.

Ethnicity:

Exhibit 17 compares the ethnicity of the occupation-specific data for *Diagnostic Medical Sonographers* (29-2032) and the overall SCC labor force.

Approximately 45% of *Diagnostic Medical Sonographers* are white, which is nearly identical to the SCC labor force (44%). Additionally 36% of *Diagnostic Medical Sonographers* are Hispanic or Latino, which is only slightly lower when compared to the SCC labor force (42%). However, 15% of *Diagnostic Medical Sonographers* are Asian or Pacific Islander which is substantially higher than the SCC Labor Force (6%).

Exhibit 15: Program and County Demographics by Ethnicity

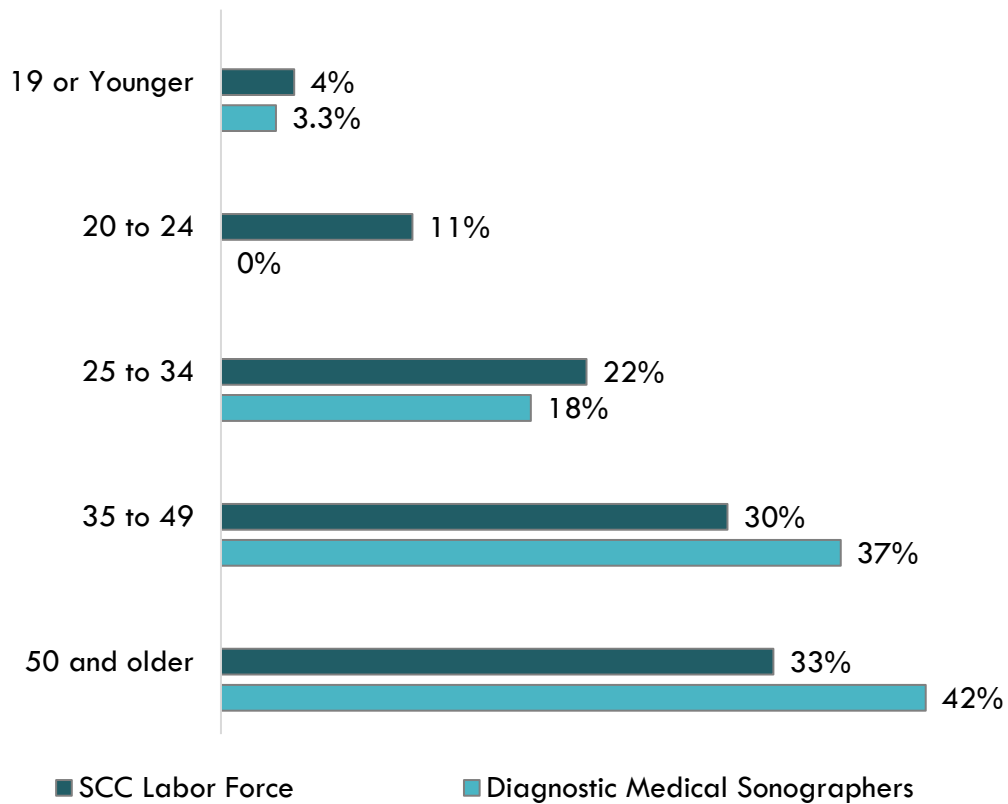


Age:

Exhibit 18 compares the age of occupation-specific data for *Diagnostic Medical Sonographers (29-2032)* and the overall SCC labor force.

Over 79% of *Diagnostic Medical Sonographers* are over the age of 35, which is substantially higher than the 63% of the SCC Labor Force that is over age 35. Conversely, though 15% of the SCC Labor Force is 24 or younger, only 3.3% of *Diagnostic Medical Sonographers* fall into this age group.

Exhibit 16: Program and County Demographics by Age

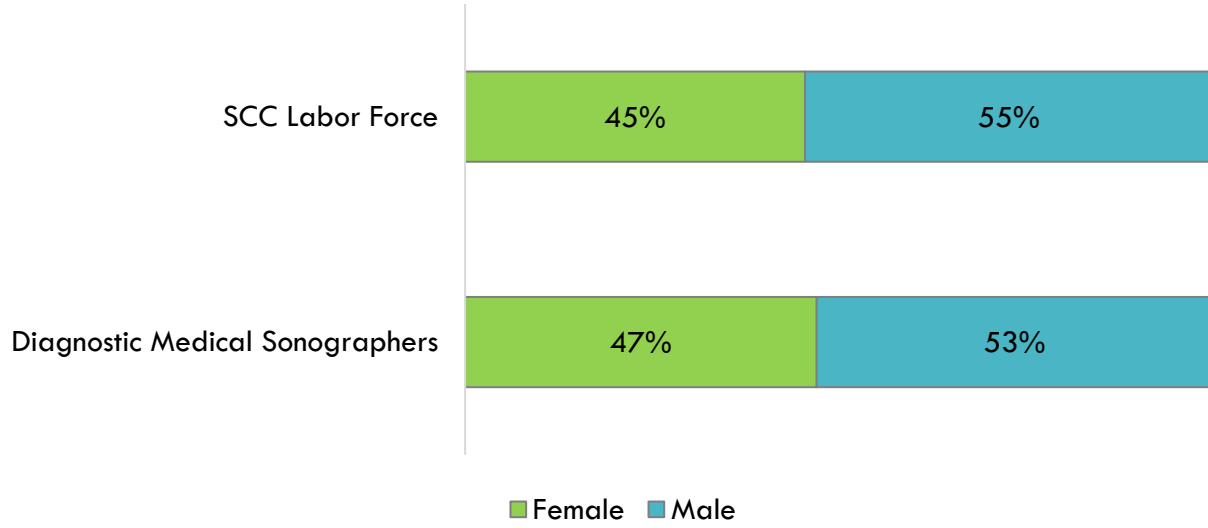


Sex:

Exhibit 19 compares the sex of occupation-specific data for *Diagnostic Medical Sonographers (29-2032)* and the overall SCC labor force.

There is a slight male majority of *Diagnostic Medical Sonographers* (53%). This data mirrors the overall SCC Labor Force, where men account for 55% of the workforce and women account for 45%.

Exhibit 17: Program and County Demographics by Sex



Appendix A: Methodology

Traditional Labor Market Data

The SCC 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.

Data included in this analysis represents the labor market demand for relevant positions most closely related to the proposed program as expressed by the requesting college in consultation with the SCC 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.

Program supply data is drawn from two systems: Taxonomy of Programs (TOP) and Classification of Instructional Programs (CIP).

Using a TOP-SOC crosswalk, the SCC 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 SCC 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.

Online Job Postings Data

Online job postings data, also known as 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. 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.

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.

Additionally, 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 or phrases; determining differences in words that can be used as nouns, verbs, and/or adjectives; and misspellings or grammatical errors.⁵ For these reasons, job postings could be assigned to the wrong employer, industry, or occupation within Lightcast’s database.

Geography

The South Central Coast region encompasses San Luis Obispo, Santa Barbara, and Ventura counties, as well as parts of Northern Los Angeles County. The following 34 ZIP codes are used to define Northern Los Angeles County:

Exhibit 18: Northern Los Angeles ZIP Codes

ZIP Code	Primary City	ZIP Code	Primary City
91310	Castaic	93532	Lake Hughes
91321	Newhall	93534	Lancaster
91322	Newhall	93535	Lancaster
91350	Santa Clarita	93536	Lancaster
91351	Canyon Country	93539	Lancaster
91354	Valencia	93543	Littlerock
91355	Valencia	93544	Llano
91380	Santa Clarita	93550	Palmdale
91381	Stevenson Ranch	93551	Palmdale
91382	Santa Clarita	93552	Palmdale
91383	Santa Clarita	93553	Pearblossom
91384	Castaic	93563	Valyermo
91385	Valencia	93584	Lancaster
91386	Canyon Country	93586	Lancaster
91387	Canyon Country	93590	Palmdale
91390	Santa Clarita	93591	Palmdale
93510	Acton	93599	Palmdale

Though traditional labor market information is available at the ZIP code level, it does not always add up to data reported at the county level for multiple reasons:

- ZIP codes are not official geographically bounded areas, unlike states and counties.
- ZIP codes may cross county lines, such as ZIP code 93461, which is primarily in San Luis Obispo County, but also crosses into Kern County.

⁵ K. R. Chowdhary, *Fundamentals of Artificial Intelligence* (Basingstoke: Springer Nature, 2020), <https://link.springer.com/book/10.1007/978-81-322-3972-7>.

For these reasons, the number of jobs and average annual openings for each county may not add up to the total for the SCC Region. However, considering jobseekers may cross county lines for opportunities, the traditional labor market data is reflective of opportunities available to jobseekers in the SCC Region.

Additionally, job postings data is available only at the city or county level. To analyze job postings for the entire SCC region, the SCC COE developed a list of cities available in Lightcast for analysis. Additionally, demographic data is not available at the ZIP code level but is available at the Census Bureau’s Public Use Microdata Area (PUMA) level. Demographic data was sourced via IPUMS and analyzed by the SCC COE. For more information, contact the SCC COE.

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.</p> <p>For more information, see https://lightcast.io/</p>
Living Wage	<p>“Living Wage” measures the income necessary for an individual or family to afford basic expenses by assessing the costs such as housing, food, childcare, health care, transportation, and taxes. Per the CCCCCO, this report’s endorsement criteria uses the University of Washington’s Center for Women’s Welfare Self-Sufficiency Standard for a single adult last updated in March 2024.</p> <p>For more information, see: http://www.selfsufficiencystandard.org/California</p> <p>The MIT Living Wage, updated on February 14, 2024, is a nationally recognized living wage metric and is provided for reference. For more information, see: https://livingwage.mit.edu/counties/06059</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.</p> <p>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>

Data Type	Source
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, 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>

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.

For more information, please contact the South Central Coast Center of Excellence:

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March 2025

