

# Labor Market Analysis for Program Recommendation: 1217.00/Surgical Technician (Surgical Technology)

Orange County Center of Excellence, May 2025



## 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"/> |
| Program LMI Endorsement Criteria                            |                                                                                                                                                                                                                                                         |                                                                     |                                           |
|                                                             | Yes <input checked="" type="checkbox"/>                                                                                                                                                                                                                 | No <input type="checkbox"/>                                         |                                           |
| Supply Gap:                                                 | Comments: There are projected to be <b>339 annual job openings</b> throughout Los Angeles and Orange counties for <i>surgical technologists</i> , which is <b>more than the 257 awards conferred by educational institutions</b> .                      |                                                                     |                                           |
|                                                             | Yes <input type="checkbox"/>                                                                                                                                                                                                                            | No <input checked="" type="checkbox"/>                              |                                           |
| Self-Sufficiency Standard Wage <sup>1</sup> :               | Comments: The typical <b>entry-level hourly wage</b> for <i>surgical technologists</i> is <b>\$21.96</b> , which is <b>below the OC living wage of \$27.13</b> .                                                                                        |                                                                     |                                           |
|                                                             | Yes <input checked="" type="checkbox"/>                                                                                                                                                                                                                 | No <input type="checkbox"/>                                         |                                           |
| Education:                                                  | Comments: The typical entry-level education for <i>surgical technologists</i> is a <b>postsecondary nondegree award</b> and <b>73% of workers in the field have completed some college or an associate degree as their highest level of education</b> . |                                                                     |                                           |
| Additional Considerations                                   |                                                                                                                                                                                                                                                         |                                                                     |                                           |
|                                                             | Yes <input type="checkbox"/>                                                                                                                                                                                                                            | No <input checked="" type="checkbox"/>                              |                                           |
| Emerging Occupation(s):                                     | Comments:                                                                                                                                                                                                                                               |                                                                     |                                           |
|                                                             | Yes <input type="checkbox"/>                                                                                                                                                                                                                            | No <input checked="" type="checkbox"/>                              |                                           |
| OC Resilient Job(s):                                        | Comments: See <a href="#">Resilient Jobs and US News &amp; World Report Best Jobs</a>                                                                                                                                                                   |                                                                     |                                           |
|                                                             | Yes <input type="checkbox"/>                                                                                                                                                                                                                            | No <input checked="" type="checkbox"/>                              |                                           |
| U.S. News & World Report 2024 Best Jobs List <sup>2</sup> : | Comments: See <a href="#">Resilient Jobs and US News &amp; World Report Best Jobs</a>                                                                                                                                                                   |                                                                     |                                           |

The Orange County Center of Excellence for Labor Market Research (OC COE) prepared this report to determine whether there is a supply gap in the Los Angeles/Orange County regional labor market related to the middle-skill occupation *Surgical Technologists* (29-2055)

Based on the available data there appears to be a supply gap for *surgical technologists* (29-2055). However, entry-level wages are below the Self-Sufficiency Standard living wage. **Therefore, due to some of the regional labor market criteria being met, the COE endorses this proposed program.**

<sup>1</sup> 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 Orange County's living wage of \$27.13, last updated in March 2024.

<sup>2</sup> "100 Best Jobs," U.S. News & World Report, accessed January 28, 2025, <https://money.usnews.com/careers/best-jobs/rankings/the-100-best-jobs>.

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 <sup>th</sup> Percentile) | Typical Entry-Level Education | Community College Educational Attainment |
|----------------------------------|--------------------------|------------------------|-----------------------------------------------------------|-------------------------------|------------------------------------------|
| Surgical Technologists (29-2055) | LA: 256<br>OC: 83        | LA: 193<br>OC: 64      | OC: \$21.96                                               | Postsecondary nondegree award | 73%                                      |
| <b>Total</b>                     | <b>339</b>               | <b>257</b>             | <b>N/A</b>                                                | <b>N/A</b>                    | <b>N/A</b>                               |

#### Demand:

- The number of jobs related to *surgical technologists* is projected to increase 8% through 2028, equating to 339 annual job openings.
- Hourly entry-level wages for *surgical technologists* are \$21.96, which is below the Self-Sufficiency Standard living wage (\$27.13 in Orange County).
- There were 1,871 online job postings over the past 12 months in Los Angeles and Orange counties. The highest number of postings were for surgical techs, surgical technicians, and travel surgical technologists.
- The typical entry-level education for *surgical technologists* is a postsecondary nondegree award.
- Approximately 73% of workers in the field have completed some college or an associate degree as their highest level of educational attainment.

#### Supply:

- No awards conferred by community colleges in Los Angeles and Orange counties from 2020 to 2023.
  - Currently, only one community college in Los Angeles (Mt. San Antonio) offers a surgical technician program. The program was approved in 2019 and has no conferred awards.
- Non-community college institutions conferred an average of 257 awards from 2019 to 2022.
- There are no community colleges in Orange County that offer surgical technician programs. Therefore, student outcomes data is not available for the Orange County region.

### Demand

#### Occupational Projections:

Exhibit 2 shows the annual percent change in jobs for *surgical technologists* from 2018 through 2028. Though there was a 7% decline across all occupations in Orange County from 2019 to 2020 due to the COVID-19 pandemic, employment for this occupation declined only 2% during the same period.

In the two years preceding the pandemic, employment for this occupation increased, though at a slower rate in 2019 (2%) compared to 2018 (6%). Following a decrease in employment in 2020, employment fluctuated through 2023, with an increase in 2021, stagnation in 2022, and a spike in 2023. Employment for this occupation is projected to increase at a slightly higher rate compared to all occupations in Los Angeles and Orange counties each year through 2028.

## Exhibit 2: Annual Percent Change in Jobs for Surgical Technologists, 2018-2028

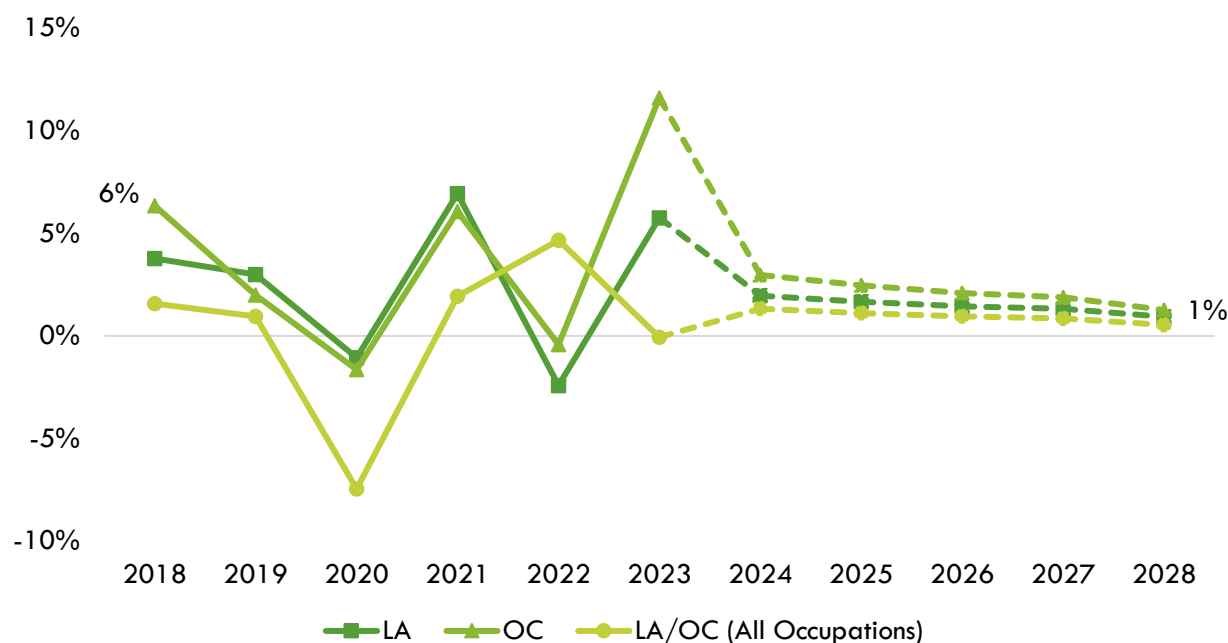


Exhibit 3 shows the five-year occupational demand projections for *surgical technologists*. In Los Angeles/Orange County, the number of jobs related to this occupation is projected to increase 8% through 2028. There is projected to be 339 jobs available annually.

### Exhibit 3: Occupational Demand in Los Angeles and Orange Counties<sup>3</sup>

| Geography    | 2023 Jobs    | 2028 Jobs    | 2023-2028 Change | 2023-2028 % Change | Annual Openings |
|--------------|--------------|--------------|------------------|--------------------|-----------------|
| Los Angeles  | 3,362        | 3,615        | 253              | 8%                 | 256             |
| Orange       | 986          | 1,096        | 110              | 11%                | 83              |
| <b>Total</b> | <b>4,348</b> | <b>4,711</b> | <b>363</b>       | <b>8%</b>          | <b>339</b>      |

## Wages:

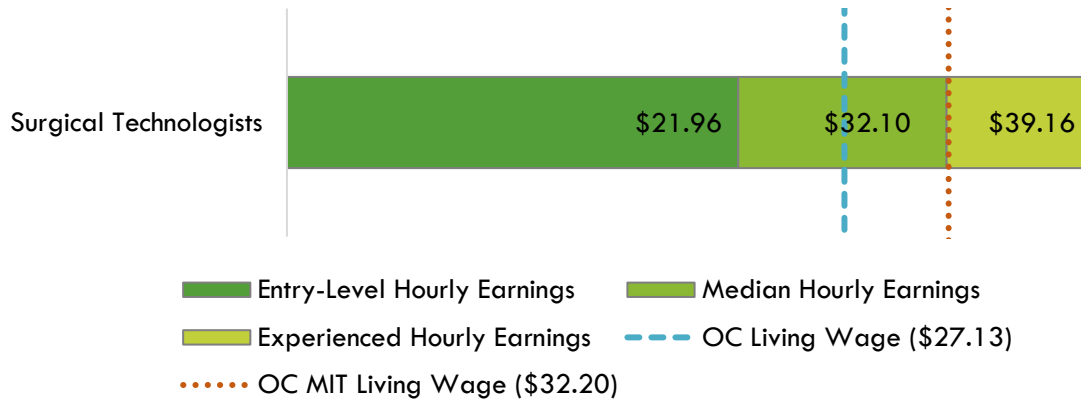
The labor market endorsement in this report considers the entry-level hourly wages for *surgical technologists* in Orange County as they relate to the county's living wage. Los Angeles County wages are included below to provide a complete analysis of the LA/OC region.

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 Orange County's living wage of \$27.13, last updated in March 2024. Additionally, data for the MIT Living Wage, updated on January 28, 2025, is provided as a reference. Currently, the MIT Living Wage in Orange County is \$32.20. 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 notated in the exhibits below.

<sup>3</sup> Five-year change represents new job additions to the workforce. Annual openings include new jobs and replacement jobs that result from retirements and separations.

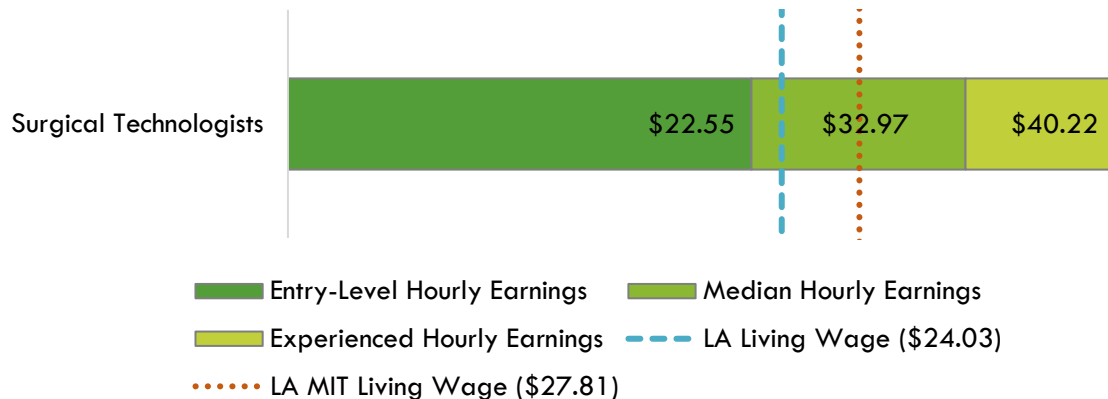
*Surgical technologists* have a typical entry-level wage of \$21.96 and a median wage of \$32.10; only the latter of which is above the Self-Sufficiency Standard living wage for one adult (\$27.13) in Orange County. Additionally, Orange County's average wage (\$31.89) is lower compared to the average statewide wage of \$36.62 for *surgical technologists*. Exhibit 4 shows the wage range for *surgical technologists* in Orange County and how it compares to the regional living wage.

**Exhibit 4: Wages by Occupation in Orange County**



In Los Angeles County, *surgical technologists* have a typical entry-level wage of \$22.55 and a median wage of \$32.97; only the latter of which is above the Self-Sufficiency Standard living wage for one adult (\$24.03). Los Angeles County's average wages (\$32.76) are lower compared to the average statewide wage of \$36.62 for *surgical technologists*. Exhibit 5 shows the wage range for *surgical technologists* in Los Angeles County and how it compares to the regional living wage.

**Exhibit 5: Wages by Occupation in Los Angeles County**



## Resilient Jobs and US News & World Report Best Jobs:

Exhibit 6 shows if *surgical technologists* is considered an Orange County Great Recession-Resilient, COVID-19 Pandemic Recession-Resilient Job, or a 2024 U.S. News & World Report (USN&WR) Best Job. This occupation did not meet the criteria to be considered any of the three designations.

Exhibit 6: Resilient Jobs and USN&WR Best Jobs Designations

| Occupation             | Great Recession-Resilient Job | COVID-19 Pandemic Recession-Resilient Job | 2024 USN&WR Best Job     |
|------------------------|-------------------------------|-------------------------------------------|--------------------------|
| Surgical technologists | <input type="checkbox"/>      | <input type="checkbox"/>                  | <input type="checkbox"/> |

## 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 or phrases; determining differences in words that can be used as nouns, verbs, and/or adjectives; and misspellings or grammatical errors.<sup>4</sup> 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 1,871 job postings for *surgical technologists* listed in the 12 months in Los Angeles and Orange counties, as shown in Exhibit 7.

Exhibit 7: Number of Job Postings by Occupation (n=1,871)

| Occupation             | Job Postings | Percentage of Job Postings |
|------------------------|--------------|----------------------------|
| Surgical Technologists | 1,871        | 100%                       |

The top employers in the region, by number of job postings, are shown in Exhibit 8.

Exhibit 8: Top Employers by Number of Job Postings (n=1,871)

| Employer                        | Job Postings | Percentage of Job Postings |
|---------------------------------|--------------|----------------------------|
| University of California-Merced | 120          | 6%                         |
| Providence                      | 93           | 5%                         |
| Kaiser Permanente               | 83           | 4%                         |
| Vetted Health                   | 75           | 4%                         |
| University of California-Irvine | 58           | 3%                         |

<sup>4</sup> K. R. Chowdhary, Fundamentals of Artificial Intelligence (Basingstoke: Springer Nature, 2020), <https://link.springer.com/book/10.1007/978-81-322-3972-7>.

| Employer                          | Job Postings | Percentage of Job Postings |
|-----------------------------------|--------------|----------------------------|
| Aya Healthcare                    | 55           | 3%                         |
| Hoag Health System                | 34           | 2%                         |
| Ahmc Healthcare                   | 32           | 2%                         |
| Keck Medical Center of USC        | 32           | 2%                         |
| University of Southern California | 32           | 2%                         |

The top specialized, soft, and computer skills listed by those most frequently mentioned in job postings (denoted in parentheses) are shown in Exhibit 9.

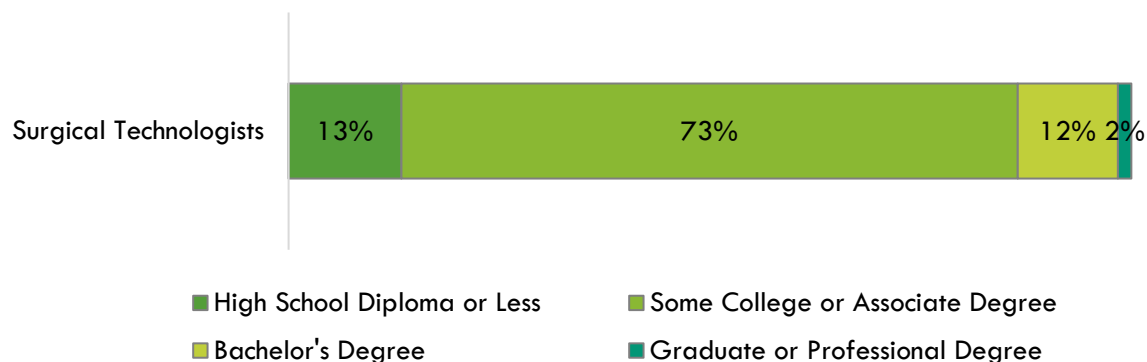
**Exhibit 9: Top Skills by Number of Job Postings (n=1,871)**

| Top Specialized Skills     | Top Soft Skills        | Top Computer Skills             |
|----------------------------|------------------------|---------------------------------|
| Operating Room (OR) (889)  | Communication (401)    | Epic EMR (36)                   |
| Surgery (886)              | Customer Service (285) | Microsoft Office (28)           |
| Surgical Procedures (546)  | English Language (282) | Microsoft Outlook (26)          |
| Asepsis (465)              | Management (184)       | Microsoft PowerPoint (26)       |
| Surgical Technology (401)  | Accountability (123)   | Microsoft Excel (24)            |
| Sterilization (289)        | Leadership (120)       | Microsoft Visio (19)            |
| Surgical Instruments (280) | Teamwork (115)         | Database Systems (8)            |
| Medical Terminology (248)  | Confidentiality (110)  | Microsoft Teams (5)             |
| Perioperative Care (236)   | Planning (108)         | Inventory Management System (4) |
| Patient Transport (197)    | Operations (100)       | MEDITECH EHR (4)                |

## Educational Attainment:

The Bureau of Labor Statistics (BLS) lists a postsecondary nondegree award as the typical entry-level education for *surgical technologists*. The national-level educational attainment data indicates 73% of workers in the field have completed some college or an associate degree as their highest level of education. Exhibit 10 shows the educational attainment for *surgical technologists*.

**Exhibit 10: National-level Educational Attainment for Occupations**



Of the 29% of the cumulative job postings that listed a minimum education requirement in Los Angeles/Orange County, 100% (535) requested a high school diploma or an associate degree and 0% (0) requested a bachelor's degree.

# Educational Supply

## Community College Supply:

Exhibit 11 shows the three-year average number of awards conferred by community colleges in the related TOP code: Surgical Technician (1217.00). Currently, only one college – Mt. San Antonio in Los Angeles – offers a surgical technician program. However, the program was approved in 2019, and no awards have been conferred. Therefore, there is no community college supply.

**Exhibit 11: Regional Community College Awards (Certificates and Degrees), 2020-2023**

| TOP Code             | Program             | College         | 2020-2021 Awards | 2021-2022 Awards | 2022-2023 Awards | 3-Year Award Average |
|----------------------|---------------------|-----------------|------------------|------------------|------------------|----------------------|
| 1217.00              | Surgical Technician | Mt. San Antonio | -                | -                | -                | -                    |
|                      |                     | LA Subtotal     | -                | -                | -                | -                    |
|                      |                     | -               | -                | -                | -                | -                    |
|                      |                     | OC Subtotal     | -                | -                | -                | -                    |
| Supply Total/Average |                     |                 | -                | -                | -                | -                    |

## Community College Student Outcomes:

Exhibit 12 shows the Strong Workforce Program (SWP) metrics for surgical technician programs in South Orange County Community College District (SOCCCD), the Orange County Region, and California. Currently, no community college in Orange County offers surgical technician programs or courses. Because there are no programs or courses, there are no outcomes data.

Throughout the state, there were 88 surgical technician students in the 2021-22 academic year. The median annual earnings for exiting students were \$45,444 (or \$21.85 per hour) and 80% of students reported being employed in their field of study.

**Exhibit 12: Natural Resources (0115.00)  
Strong Workforce Program Metrics, 2021-22<sup>5</sup>**

| SWP Metric                                                                                | SOCCCD | OC Region | California         |
|-------------------------------------------------------------------------------------------|--------|-----------|--------------------|
| SWP Students                                                                              | N/A    | N/A       | 88                 |
| SWP Students Who Earned 9 or More Career Education Units in the District in a Single Year | N/A    | N/A       | 69%                |
| SWP Students Who Completed a Noncredit CTE or Workforce Preparation Course                | N/A    | N/A       | Insufficient Data  |
| SWP Students Who Earned a Degree or Certificate or Attained Apprenticeship Journey Status | N/A    | N/A       | Insufficient Data  |
| SWP Students Who Transferred to a Four-Year Postsecondary Institution (2019-20)           | N/A    | N/A       | Insufficient Data  |
| SWP Students with a Job Closely Related to Their Field of Study (2019-20)                 | N/A    | N/A       | 80%                |
| Median Annual Earnings for SWP Exiting Students (2020-21)                                 | N/A    | N/A       | \$45,444 (\$21.85) |

<sup>5</sup> All SWP metrics are for 2021-22 unless otherwise noted.

| SWP Metric                                                   | SOCCCD | OC Region | California |
|--------------------------------------------------------------|--------|-----------|------------|
| Median Change in Earnings for SWP Exiting Students (2020-21) | N/A    | N/A       | 15%        |
| SWP Exiting Students Who Attained the Living Wage (2020-21)  | N/A    | N/A       | 36%        |

## Non-Community College Supply:

To comprehensively analyze the regional supply, it is crucial to include data from other institutions offering diagnostic medical sonography training programs. Exhibit 13 displays the annual and three-year average awards granted by these institutions under the related Classification of Instructional Programs (CIP) code: Surgical Technology/Technologist (51.0909)

The available data covers 2019 to 2022. During this period, non-community college institutions in the region conferred an average of 257 awards annually in related programs.

**Exhibit 13: Regional Non-Community College Awards, 2019-2022**

| CIP Code             | Program                                 | College                                 | 2019-<br>2020<br>Awards | 2020-<br>2021<br>Awards | 2021-<br>2022<br>Awards | 3-Year<br>Award<br>Average |
|----------------------|-----------------------------------------|-----------------------------------------|-------------------------|-------------------------|-------------------------|----------------------------|
| 51.0909              | Surgical<br>Technology/<br>Technologist | American Career College-Anaheim         | 30                      | 40                      | 55                      | 42                         |
|                      |                                         | American Career College-Los Angeles     | 44                      | 31                      | 33                      | 36                         |
|                      |                                         | California Healing Arts College         | 10                      | 3                       | 0                       | 4                          |
|                      |                                         | Career Networks Institute               | 12                      | 14                      | 21                      | 16                         |
|                      |                                         | CBD College                             | 35                      | 21                      | 49                      | 35                         |
|                      |                                         | Concorde Career College-North Hollywood | 19                      | 0                       | 16                      | 12                         |
|                      |                                         | Glendale Career College                 | 64                      | 48                      | 23                      | 45                         |
|                      |                                         | North-West College-Anaheim              | 5                       | 6                       | 10                      | 7                          |
|                      |                                         | North-West College-Long Beach           | 19                      | 19                      | 11                      | 16                         |
|                      |                                         | North-West College-West Covina          | 17                      | 10                      | 21                      | 16                         |
|                      |                                         | Premiere Career College                 | 26                      | 13                      | 35                      | 25                         |
|                      |                                         | Valley College of Medical Careers       | 3                       | 8                       | 0                       | 4                          |
| Supply Total/Average |                                         |                                         | 284                     | 213                     | 275                     | 257                        |

## Regional Demographics

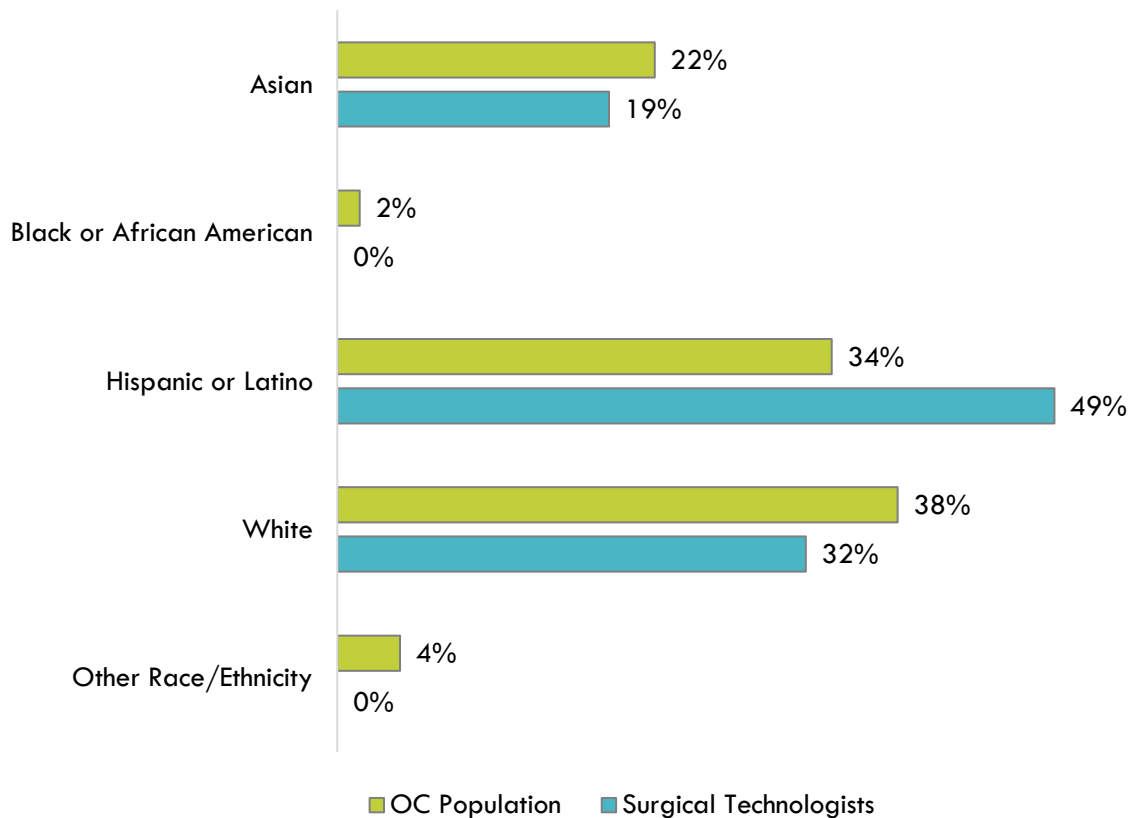
This section analyzes demographic data for the Orange County population as well occupational data for the purpose of identifying potential diversity and equity issues that can be addressed by community college programs. As noted above, no Orange County community college currently offers surgical technician programs or courses. Therefore, there is no student demographic data.

### Ethnicity:

Exhibit 14 compares the ethnicity of the overall Orange County population and occupation-specific data for *surgical technologists*.

Notably, 49% of *surgical technologists* are Hispanic or Latino, which is much higher than the population (34%). Additionally, 51% of *surgical technologists* are White (32%) or Asian (19%), which is slightly lower than the Orange County population (38% and 22%, respectively). It is also important to note the absence of Black or African American representation in this occupation.

Exhibit 14: Program and County Demographics by Ethnicity

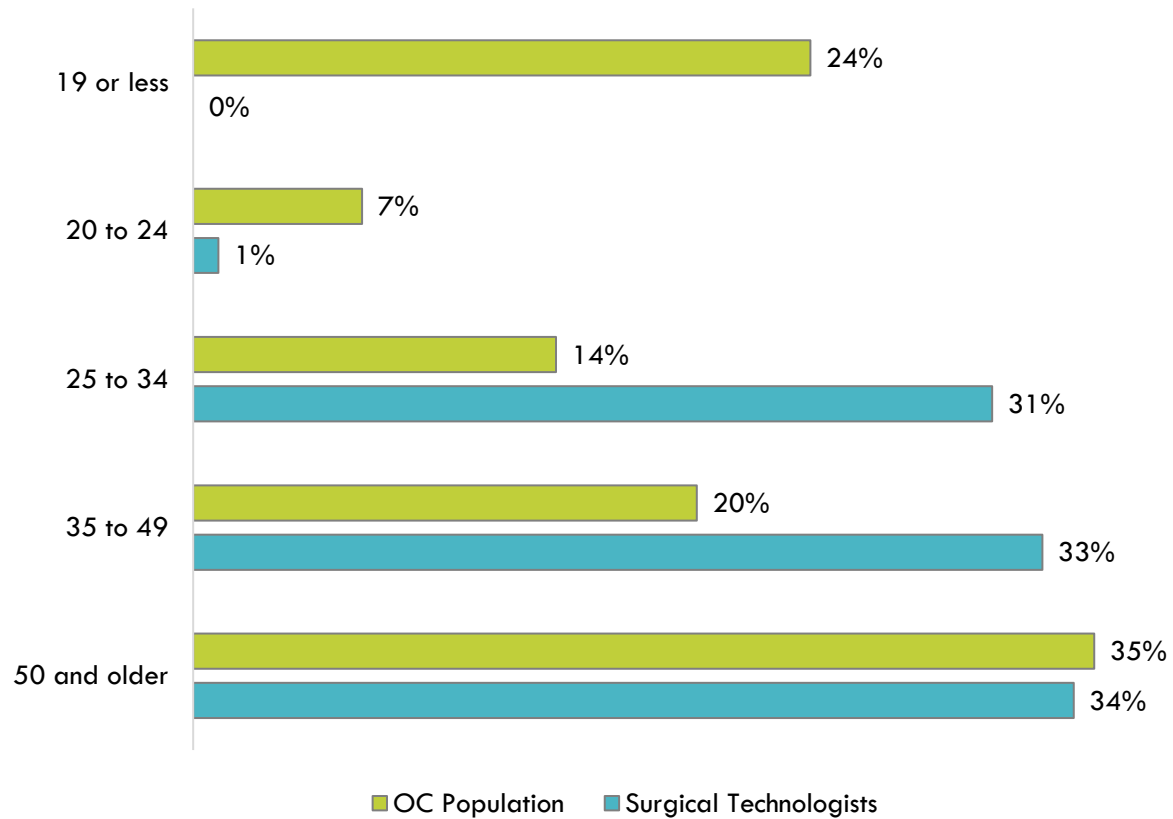


## Age:

Exhibit 15 compares the age of the overall Orange County population, and occupation-specific data for *surgical technologists*.

*Surgical technologists* are approximately split evenly into three groups: 34% are 50 and older - which is similar to the population (35%); 33% are 35 to 49 and 31% are 25 to 34 (31%) – both of which are higher than their shares of the population.

Exhibit 15: Program and County Demographics by Age

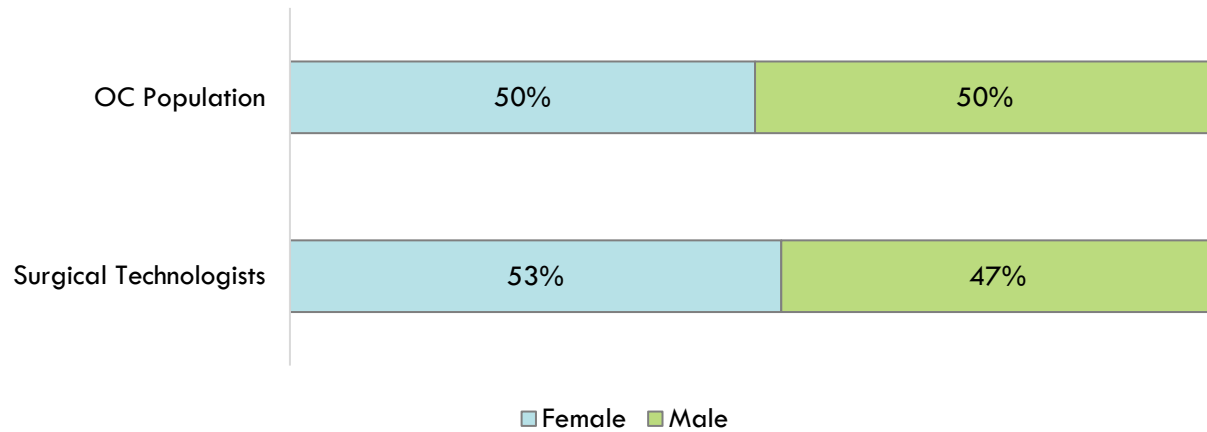


## Sex:

Exhibit 16 compares the sex of overall Orange County population and occupation-specific data for *surgical technologists*.

Although there is an equal gender distribution in the population, there is a slight majority of female *surgical technologists* (53%) compared to men (47%).

Exhibit 16: Program and County Demographics by Sex



## Appendix A: Methodology

The OC 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 OC 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 OC 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](http://datamart.cccco.edu)) and CIP code data comes from the Integrated Postsecondary Education Data System ([nces.ed.gov/ipeds/use-the-data](http://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 OC 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 <a href="https://lightcast.io/">https://lightcast.io/</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 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, last updated in September 2021, assesses the cost of housing, food, child care, health care, transportation, and taxes. For more information, see: <a href="https://insightccd.org/family-needs-calculator/">https://insightccd.org/family-needs-calculator/</a></p> <p>Per the CCCCCO's this report's endorsement criteria uses the University of Washington's Center for Women's Welfare Self-Sufficiency Standard last updated in March 2024, which is \$27.13 per hour (\$56,451 annually) in Orange County. For more information, see: <a href="http://www.selfsufficiencystandard.org/California">http://www.selfsufficiencystandard.org/California</a></p> <p>The MIT Living Wage, updated on January 28, 2025, better accounts for existing economic conditions, with the current MIT Living Wage in Orange County being \$32.20. For more information, see: <a href="https://livingwage.mit.edu/counties/06059">https://livingwage.mit.edu/counties/06059</a></p> |
| 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 <a href="https://www.bls.gov/emp/documentation/education/tech.htm">https://www.bls.gov/emp/documentation/education/tech.htm</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 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 <a href="https://www.onetonline.org/help/online/">https://www.onetonline.org/help/online/</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Educational Supply                                                                            | <p>The CCCCCO Data Mart provides information about students, courses, student services, outcomes and faculty and staff. For more information, see: <a href="https://datamart.cccco.edu">https://datamart.cccco.edu</a></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 <a href="https://nces.ed.gov/ipeds/use-the-data/survey-components/7/completions">https://nces.ed.gov/ipeds/use-the-data/survey-components/7/completions</a></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

| Data Type                              | Source                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Student Metrics and Demographics       | LaunchBoard, 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: <a href="https://www.calpassplus.org/LaunchBoard/Home.aspx">https://www.calpassplus.org/LaunchBoard/Home.aspx</a>                                                                                            |
| 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: <a href="https://www.census.gov/programs-surveys/acs">https://www.census.gov/programs-surveys/acs</a><br>Data is sourced from IPUMS USA, a database providing access to ACS and other Census Bureau data products. For more information, see: <a href="https://usa.ipums.org/usa/about.shtml">https://usa.ipums.org/usa/about.shtml</a> |

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