Anesthesiologist Assistant

Labor Market Information Report

Prepared by the San Francisco Bay Center of Excellence
for Labor Market Research
November 2017

Recommendation

Based on all available data included in this report, it is recommended that Skyline College pursue this new program area. The demand for this occupation is based on 98 online jobs postings in the latest 12-month period in the Bay region compared to no supply, since currently no community college in the region has a program for Anesthesia Technology.

This report also provides student outcomes data on employment and earnings for the only community college program in the state educating Anesthesiologist Assistants, which is at Pasadena City College. It is recommended that this data be reviewed to better understand how this college's student outcomes could be used as a benchmark for the new program at Skyline College.

Introduction

This report profiles Anesthesiologist Assistants in the 12 county Bay Region and the Mid-Peninsula Sub-Region (San Francisco and San Mateo counties) for a new Anesthesia Technology program at Skyline College.

Anesthesiologist Assistants (SOC 29-1071.01): Assist anesthesiologists in the administration of anesthesia for surgical and non-surgical procedures. Monitor patient status and provide patient care during surgical treatment.

Percentage of Community College Award Holders or Some Postsecondary Coursework: 39%

Note: Labor market information from EMSI is not available at the eight-digit level for SOC codes, however it is possible to get job postings information at the eight-digit level from Burning Glass.

Occupational Demand

Job Postings in Bay Region and Mid-Peninsula Sub-Region

Table 1. Number of Job Postings by Occupation for latest 12 months (Nov. 2016 – Oct. 2017)

Occupation	Bay Region	Mid-Peninsula
Anesthesiologist Assistants	98	41

Source: Burning Glass

Bay Region includes Alameda, Contra Costa, Marin, Monterey, Napa, San Benito, San Francisco, San Mateo, Santa Clara, Santa Cruz, Solano and Sonoma Counties
Mid-Peninsula Sub-Region includes San Francisco and San Mateo Counties

Table 3. Top Job Titles for Anesthesiologist Assistants (29-1071.01) for latest 12 months (Nov. 2016 – Oct. 2017)

Common Title	Bay Region	Mid-Peninsula
Anesthesia Technician	92	38

Source: Burning Glass

Industry Concentration

Table 4. Industries Posting Jobs for Anesthesiologist Assistants in Bay Region
(Note: There were 31 unspecified or unclassified postings of the 98 postings for this occupation).

Industry – 4 Digit NAICS (No. American Industry Classification) Codes	Job Postings (last 12 months)
General Medical and Surgical Hospitals (6221)	55
Colleges, Universities & Professional Schools (6113)	6
Insurance Carriers (5241)	4
Outpatient Care Centers (6214)	35

Source: Burning Glass;

Table 5. Top Employers Posting Jobs in Bay Region and East Bay Sub-Region for latest 12 months (Nov. 2016 – Oct. 2017)

Employer	Bay Region	Mid-Peninsula
Dignity Health	22	21
Stanford Health Care	11	0
Lucile Packard Children's Hospital	9	0
Sutter Health	7	4
University of California	5	5
Caduceus Healthcare	4	0
Kaiser Permanente	4	2
Children's Hospital Oakland Research Institute	4	0

Source: Burning Glass

Educational Supply

A TOP code does not exist for Anesthesiologist Assistant in the TOP code system. The new program request for LMI information referenced a program on 1201.00 Health Occupations, General, at Pasadena City College. There is one program issuing awards in the Bay Region on that TOP code at Contra Costa; however, it does not appear to be related.

There is a clear CIP code for this program area 51.0809 Anesthesiologist Assistant. However, there are no awards issued on that CIP code in California for 2013-16 based on a search in IPEDS.

The information contained in Table 6 and in the Student Outcomes section following are for the program at Pasadena City College since that appears to be the only program in the state issuing two-year degrees or certificates for Anesthesiologist Assistants.

Table 6. Anesthesiologist Assistant Program on 1201.00 Health Occupations, General

College	Sub-Region	CC Headcount	Associate Degrees	Certificates or Other Credit Awards	Total Awards
Pasadena City College	Los Angeles	19	9	11	20

Source: Data Mart and Launchboard

NOTE: Headcount of students who took one or more courses is for 2015-16. Associate degrees and Certificates for Community Colleges is the annual average for 2014-17.

Student Outcomes

Based on the information available in the CTE Launchboard, students taking courses at Pasadena City College on the TOP code for their Anesthesiologist Assistant program are doing very well compared to students in the Health sector in the Bay Region.

1201.00 Health Occupations, General at Pasadena City College:
- 77% of students were making a living wage after the coursework at Pasadena City College on 1201.00 in 2014-15 and 92% in 2013-14. In the Bay Region, the percent of students earning a living wage in 2014-15 in the Health sector was 50% in 2014-15 and 46% in 2013-14.
- 85% of students were employed four quarters after exit in 2014-15 and 100% in 2013-14. The median for the Health Sector in the Bay Region was 74% in 2013-14 and 2014-15.
- Median earnings in the second quarter after exit was $15,160 in 2014-15 and $12,730 in 2013-14. Median earnings for students in the Health sector in the Bay region was $9,000 in 2014-15 and $8,000 in 2013-14.

Skill & Certifications

Table 7 provides the top skills and certifications that appear to be frequently listed in the job advertisements for Anesthesiologist Assistants over the latest 12-month period.

Table 7. Top Skills & Certifications for Anesthesiologist Assistants in the Bay Region (Nov 2016 – Oct 2017)
(Note: 64% of records have been excluded because they do not include a skill. As a result, the chart below may not be representative of the full sample).

Skill	Latest 12 Mos. Postings	Skill	Latest 12 Mos. Postings	Certification	Latest 12 Mos. Postings
Anesthesiology	85	Patient Monitoring	27	Basic Cardia Life Support Certification	15
Patient Care	47	Infection Control	25		
Cleaning	41	Cardiopulmonary Resuscitation (CPR)	23	First Aid CPR AED	8
Life Support	34	Patient Transportation & Transfer	22	Anesthesiologist	7
Aseptic	28	Repair	22	Nurse Anesthetist	4

Source: Burning Glass

Table 8. Education Requirements in Bay Region

Education (minimum advertised)	Latest 12 Mos. Postings
High school or vocational training	74
Associate Degree	1
Bachelor's Degree or higher	0

Source: Burning Glass

Methodology
Occupations for this report were identified by use of skills listed in O*Net descriptions and job descriptions in Burning Glass. Labor demand data is sourced from Economic Modeling Specialists International (EMSI) occupation data and Burning Glass job postings data. Educational supply and student outcomes data is retrieved from multiple sources, including CTE Launchboard and CCCCO Data Mart.

Sources
O*Net Online
Labor Insight/Jobs (Burning Glass)
Economic Modeling Specialists International (EMSI)
CTE LaunchBoard www.calpassplus.org/Launchboard/
Statewide CTE Outcomes Survey
Employment Development Department Unemployment Insurance Dataset
Living Insight Center for Community Economic Development
Chancellor's Office MIS system

Contacts
For more information, please contact:

- Karen Beltramo, Data Research Analyst, for Bay Area Community College Consortium (BACCC) and Centers of Excellence (CoE), karen@baccc.net or (831) 332-1253
- John Carrese, Director San Francisco Bay Center of Excellence for Labor Market Research (hosted at City College of San Francisco), jcarrese@ccsf.edu or (415) 452-5529