**** **Athletic Trainers**

**Labor Market Information Report**

Prepared by the San Francisco Bay Center of Excellence

for Labor Market Research

February 2019

# Recommendation

Based on all available data, there appears to be a sufficient supply of Athletic Trainers compared to the demand for this occupation in the Bay region and in the SC-Monterey sub-region (Monterey, San Benito, and Santa Cruz Counties). The annual gap between demand and supply is about 11 students in the Bay region and 3 students in the SC-Monterey sub-region. In addition, this occupation currently requires a Bachelor’s degree, so students completing a community college program would not be immediately employable as an Athletic Trainer. Furthermore, the professional entry-level degree for athletic training is changing from a bachelor’s degree to a master’s degree, with this mandated transition occurring by 2022.

This report also provides student outcomes data on employment and earnings for programs on TOP 1228.00 - Athletic Training and Sports Medicine in the state and region. It is recommended that this data be reviewed to better understand how outcomes for students taking courses on this TOP code compare to potentially similar programs at colleges in the state and region, as well as to outcomes across all CTE programs at Cabrillo College and in the region.

# Introduction

This report profiles Athletic Trainers in the 12 county Bay region and in the SC-Monterey sub-region for a possible new program at Cabrillo College.

|  |
| --- |
| * **Athletic Trainers (SOC 29-9091): Evaluate and advise individuals** to assist recovery from or avoid athletic-related injuries or illnesses, or maintain peak physical fitness. May provide first aid or emergency care.
 |
| *Entry-Level Educational Requirement: Bachelor's degree* |
| *Training Requirement: None* |
| *Percentage of Community College Award Holders or Some Postsecondary Coursework: 22%* |

# Occupational Demand

**Table 1. Employment Outlook for Athletic Trainers in Bay Region**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Occupation  | 2017 Jobs | 2022 Jobs | 5-Yr Change | 5-Yr % Change | 5-Yr Open-ings | Annual Open-ings | 10% Hourly Wage | Median Hourly Wage |
| Athletic Trainers | 473 | 553 | 80  | 17% | 207 | 41 | $14.63  | $24.27  |
| **Total** | **473** | **553** | **80** | **17%** | **207** | **41** | **$14.63**  | **$24.27**  |

*Source: EMSI 2018.2*

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

**Table 2. Employment Outlook for Athletic Trainers in SC-Monterey Sub-Region**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Occupation  | 2017 Jobs | 2022 Jobs | 5-Yr Change | 5-Yr % Change | 5-Yr Open-ings | Annual Open-ings | 10% Hourly Wage | Median Hourly Wage |
| Athletic Trainers | 33 | 38 | 5  | 17% | 14 | 3 | $10.06  | $22.21  |
| **TOTAL** | **33** | **38** | **5**  | **17%** | **14** | **3** | **$10.06**  | **$22.21**  |

*Source: EMSI 2018.2*

**SC-Monterey Sub-Region** includes Monterey, San Benito, and Santa Cruz Counties

### Job Postings in Bay Region and SC-Monterey Sub-Region

**Table 3. Number of Job Postings by Occupation for latest 12 months (July 2017 - June 2018)**

|  |  |  |  |
| --- | --- | --- | --- |
| Occupation | Bay Region | Four Counties | SC-Monterey |
| Athletic Trainers | 140 | 55 | 11 |
| **Total** | **140** | **55** | **11** |

*Source: Burning Glass*

**Table 4. Top Job Titles for Athletic Trainers for latest 12 months (July 2017 - June 2018)**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Common Title | Bay | Four Counties | SC-Monterey | Common Title | Bay | Four Counties | SC-Monterey |
| Athletic Trainer | 111 | 49 | 9 | Assistant Director, Business | 1 | 1 |  |
| Athletics Professional | 7 |  |  | Assistant Program Director | 1 |  |  |
| Director | 5 |  | 2 | Associate Director | 1 |  |  |
| Athletics Director | 2 | 1 |  | Deputy Director | 1 | 1 |  |
| Deputy Director/Administrator | 2 |  |  | Do Have Any Artistic Or Athletic Hobby Will Teach It To A Kid Impacted By Chronic Illness | 1 |  |  |
| Director of Education | 2 |  |  | Health Trainer | 1 | 1 |  |
| Senior Associate Director/Administrator | 2 |  |  | Senior Director | 1 |  |  |

*Source: Burning Glass*

# Industry Concentration

**Table 5. Industries hiring Athletic Trainers in Bay Region**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Industry – 6 Digit NAICS (No. American Industry Classification) Codes** | **Jobs in Industry (2017)** | **Jobs in Industry (2022)** | **% Change (2017-22)** | **% in Industry (2017)** |
| Fitness and Recreational Sports Centers (713940) | 69 | 80 | 16% | 14.7% |
| Offices of Physical, Occupational and Speech Therapists, and Audiologists (621340) | 56 | 76 | 36% | 11.8% |
| Colleges, Universities, and Professional Schools (611310) | 50 | 58 | 16% | 10.6% |
| General Medical and Surgical Hospitals (622110) | 39 | 40 | 3% | 8.3% |
| Offices of All Other Miscellaneous Health Practitioners (621399) | 35 | 42 | 20% | 7.4% |
| Offices of Mental Health Practitioners (except Physicians) (621330) | 30 | 36 | 20% | 6.4% |
| Colleges, Universities, and Professional Schools (State Government) (902612) | 28 | 28 | 0% | 5.9% |
| Offices of Physicians (except Mental Health Specialists) (621111) | 24 | 24 | 0% | 5.0% |
| Elementary and Secondary Schools (611110) | 21 | 25 | 19% | 4.5% |

*Source: EMSI 2018.2*

**Table 6. Top Employers for Athletic Trainers in Bay region and SC-Monterey (July 2017 - June 2018)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Employer** | **Bay** | **Employer** | **Four Counties** | **Employer** | **SC-Monterey** |
| 24 Hour Fitness | 254 | Lucile Packard Children’s Hospital | 9 | University California | 3 |
| Lucile Packard Children’s Hospital | 11 | Stanford University | 6 | University Of California Santa Cruz | 2 |
| University California | 8 | California State University Office Of The Chancellor | 4 | California State University | 1 |
| California State University | 6 | California State University | 3 | National Collegiate Athletic Association | 1 |
| California State University Office Of The Chancellor | 6 | University California | 3 | Pajaro Valley Unified School District | 1 |
| Stanford University | 6 | Foothill College | 2 | San Lorenzo Valley Unified | 1 |
| University Of California Berkeley | 5 | Foothill De Community College District | 2 |  |  |
| Children's Hospital & Research Center Oakland | 4 | Gilroy Unified | 2 |  |  |
| Sonoma State University | 4 | National Collegiate Athletic Association | 2 |  |  |
| Carondelet High School | 3 | Palo Alto Unified School District | 2 |  |  |
| University Of California | 3 | Presentation High School | 2 |  |  |
| Academy Art University | 2 | San Jose State University | 2 |  |  |
| Children's Hospital Oakland Research Institute | 2 | Santa Clara University | 2 |  |  |
| Dignity Health | 2 | University Of California Santa Cruz | 2 |  |  |

*Source: Burning Glass*

# Educational Supply

There are five colleges in the Bay Region issuing 30 awards annually on TOP 1228.00 - Athletic Training and Sports Medicine. There is one other educational institution issuing one award annually on the CIP code crosswalked to TOP 1228.00, CIP 510913 - Athletic Training/Trainer.

**Table 7a. Awards on TOP 122800 - Athletic Training and Sports Medicine**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| College | Sub-Region | CIP Code | Headcount | Associates | Certificate | Total |
| Diablo Valley | East Bay | n/a | 278 | 3 | 0 | 3 |
| Foothill | Silicon Valley | n/a | n/a | 4 | 0 | 4 |
| Ohlone | East Bay | n/a | n/a | 3 | 0 | 3 |
| Santa Rosa | North Bay | n/a | 114 | 4 | 0 | 4 |
| West Valley | Silicon Valley | n/a | n/a | 0 | 15 | 15 |
| Gurnick Academy of Medical Arts | Mid-Peninsula | 510913 | n/a | 0 | 1 | 1 |
| **Total Bay Region** |  | **392** | **14** | **16** | **30** |
| **Total SC-Monterey Sub-Region** |  | **0** | **0** | **0** | **0** |

# *Source: IPEDS, Data Mart and Launchboard*

NOTE: Headcount of students who took one or more courses is for 2016-17. The annual average for awards is 2014-17 unless there are only awards in 2016-17. The annual average for other postsecondary is for 2013-16.

# Gap Analysis

Based on all available data, there appears to be a sufficient supply of Athletic Trainers compared to the demand for this occupation in the Bay region and in the SC-Monterey sub-region (Monterey, San Benito, and Santa Cruz Counties). The annual gap between demand and supply is about 11 students in the Bay region and 3 students in the SC-Monterey sub-region. In addition, this occupation currently requires a Bachelor’s degree, so students completing a community college program would not be immediately employable as an Athletic Trainer. Furthermore, the professional entry-level degree for athletic training is changing from a bachelor’s degree to a master’s degree, with this mandated transition occurring by 2022.

# Student Outcomes

**Table 8. Four Employment Outcomes Metrics for Students Who Took Courses on TOP 122800 - Athletic Training and Sports Medicine.**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **2015-16** | **Bay (All CTE Programs)** | **Cabrillo****(All CTE Programs)** | **State (122800)** | **Bay (122800)** | **SC-Monterey (122800)** | **Cabrillo** **(122800)** |
| % Employed Four Quarters After Exit | 74% | 70% | 62% | n/a | n/a | n/a |
| Median Earnings Two Quarters After Exit | $10,310 | $8,387 | $5,114 | $5,816 | $6,615 | n/a |
| Median % Change in Earnings | 46% | 55% | 118% | 10% | 33% | n/a |
| % of Students Earning a Living Wage | 63% | 46% | 24% | n/a | n/a | n/a |

*Source: Launchboard Pipeline (version available on 5/14/18)*

# Skills, Certificates and Education

**Table 9. Top Skills for Athletic Trainers in Bay Region (July 2017 - June 2018)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Skill** | **Postings** | **Skill** | **Postings** | **Skill** | **Postings** |
| Cardiopulmonary Resuscitation (CPR) | 65 | Bloodborne Pathogens | 16 | Patient Safety | 11 |
| Rehabilitation | 64 | Medical Assistance | 15 | Suture Removal | 11 |
| Sports Injuries | 47 | Orthopedics | 15 | Health Insurance Portability and Accountability Act | 10 |
| Injury Prevention | 44 | Patient/Family Education and Instruction | 14 | Rehabilitation Services | 10 |
| Budgeting | 27 | Customer Contact | 13 | Pathology | 9 |
| Scheduling | 25 | Teaching | 13 | Injury Treatment | 8 |
| Staff Management | 24 | Emergency Care | 12 | Record Keeping | 8 |
| Therapy Modalities | 23 | Health Screening | 12 | Conflict Management | 7 |
| Physical Therapy | 20 | Interaction with Patients / Medical Personnel | 12 | Medical Records Maintenance | 7 |
| Customer Service | 18 | Community Relations | 11 | Psychology | 7 |

*Source: Burning Glass*

**Table 10. Certifications for Athletic Trainers in the Bay Region (July 2017 - June 2018)**

Note: 31% of records have been excluded because they do not include a certification. As a result, the chart below may not be representative of the full sample.

|  |  |  |  |
| --- | --- | --- | --- |
| **Certification** | **Postings** | **Certification** | **Postings** |
| Athletic Trainer Certification | 75 | Certified Fitter | 3 |
| First Aid Cpr Aed | 42 | Abc Certified | 2 |
| Driver's License | 23 | American Heart Association Certification | 2 |
| Boc Certified | 16 | Basic Cardiac Life Support Certification | 2 |
| Basic Life Saving (BLS) | 14 | Project Management Certification | 2 |
| Citrix Certified Advanced Administrator (CCAA) | 7 | Certified Strength and Conditioning Specialist | 1 |
| Sports Medicine Certification | 6 | Subspecialty Certification in Cardiac Surgery | 1 |

*Source: Burning Glass*

**Table 11. Education Requirements for Athletic Trainers in Bay Region**

Note: 24% of records have been excluded because they do not include a degree level. As a result, the chart below may not be representative of the full sample.

|  |  |
| --- | --- |
| **Education (minimum advertised)** | **Latest 12 Mos. Postings** |
| High school or vocational training | 33 (31%) |
| Associate Degree | 1 (1%) |
| Bachelor’s Degree or Higher | 73 (68%) |

*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/](http://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

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