**Athletic Trainers**

**Labor Market Information Report**

Prepared by the San Francisco Bay Center of Excellence

for Labor Market Research

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# Recommendation

Based on all available data included in this report, there appears to be an undersupply of Athletic Trainers in the region, enough to support at least one additional community college program.

Total annual demand is estimated to be 38 job openings in the Bay Region and 10 for the East Bay. Since the employers of this occupation prefer a Bachelor’s degree or higher, the supply of Bachelor’s degree candidates will be used to determine the annual supply of candidates. San Jose State is, as far as we know, the only four-year institution with a program issuing awards aligned to this occupation. Their Athletic Training/Trainer program awarded 13 Bachelor’s degrees on average over the three-year period 2013-16.

Because a Bachelor’s degree is required for Athletic trainer, and only 13 degrees are awarded annually compared to 38 average annual job openings in the region, there is a modest labor market gap for this occupation using EMSI demand data. However, to further support creation of at least one more program at community colleges in the region, the online postings for this occupation from Burning Glass over the latest 12-month period shows there are 140 postings for Athletic Trainers, further indicating a labor market need (even if you assumed not all postings equated to a job opening).

Finally, it is important to note that there were 25 awards annually on average from Community Colleges and Other Postsecondary Institutions for Athletic Training and Sports Medicine and the annual average for transfer students is 38 (2012-15) for the region, with students transferring at a much higher rate in this program area compared to all other program areas in the region.

# Introduction

This report profiles Athletic Trainers in the 12 county Bay Region and the East Bay (Alameda and Contra Costa counties) for an Athletic Training and Sports Medicine program at Las Positas 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.

Sample of reported job titles: Assistant Athletic Trainer, Athletic Instructor, Athletic Trainer, Certified Athletic Trainer, Clinical Instructor, Graduate Assistant Athletic Trainer, Head Athletic Trainer, Head Athletic Trainer/Strength Coach, Resident Athletic Trainer, Sports Medicine Coordinator

*Entry-Level Educational Requirement:* *Bachelor’s Degree*

*Training Requirement:* *None Indicated*

*Percentage of Community College Award Holders or Some Postsecondary Coursework:* 44%

# Occupational Demand

**Table 1. Employment Outlook for Athletic Trainers (29-9091) in Bay Region and East Bay Sub-Region**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Region | Occupa-tion | 2016 Jobs | 2021 Jobs | 5-Yr Change | 5-Yr % Change | 5-year Openings | Annual Openings | 10% Hrly Wage | Median Hrly Wage |
| **Bay** | Athletic Trainers | 447 | 525 | 78 | 17% | 189 | 38 | $14.59 | $23.39 |
| **East Bay** | 123 | 143 | 20 | 16% | 50 | 10 | $13.42 | $23.58 |

*Source: EMSI 2017.3***Bay Region** includes Alameda, Contra Costa, Marin, Monterey, Napa, San Benito, San Francisco, San Mateo, Santa Clara, Santa Cruz, Solano and Sonoma Counties  
**East Bay Sub-Region** includes Alameda and Contra Costa Counties

### Job Postings in Bay Region and East Bay Sub-Region

**Table 2. Number of Job Postings by Occupation for latest 12 months (Nov. 2016 – Oct. 2017)**

|  |  |  |
| --- | --- | --- |
| Occupation | Bay Region | East Bay |
| Athletic Trainers | 140 | 41 |

*Source: Burning Glass*

**Table 3. Top Job Titles for Athletic Trainers (29-9091) for latest 12 months (Nov. 2016 – Oct. 2017)**

|  |  |  |
| --- | --- | --- |
| Common Title | Bay Region | East Bay |
| Athletic Trainer | 97 | 33 |
| Director of Athletics | 8 | 0 |
| Director of Education | 5 | 0 |
| Athletics Professional | 4 | 4 |
| Deputy Director, Athletics | 3 | 0 |

*Source: Burning Glass*

# Industry Concentration

**Table 4a. Industries hiring Athletic Trainers in the Bay Region at the three-digit NAICS code level**

|  |  |  |
| --- | --- | --- |
| Industry – 3 Digit NAICS (No. American Industry Classification) Codes | Jobs in Industry (2016) | % in Industry (2016) |
| Ambulatory Health Care Services (621) | 144 | 32.2% |
| Educational Services (611) | 88 | 19.8% |
| Local or State Government (903 and 902) | 80 | 17.8% |
| Amusement, Gambling, and Recreation Industries (713) | 48 | 10.8% |
| Hospitals (622) | 39 | 8.8% |
| Performing Arts, Spectator Sports, and Related Industries (711) | 14 | 3.1% |

*Source: EMSI 2017.3*

**Table 4b. Industries hiring Athletic Trainers in the Bay Region at the six-digit NAICS code level**

|  |  |  |
| --- | --- | --- |
| Industry – 6 Digit NAICS (No. American Industry Classification) Codes | Jobs in Industry (2016) | % in Industry (2016) |
| Fitness and Recreational Sports Centers | 64 | 14.2% |
| Offices of Physical, Occupational & Speech Therapists & Audiologists | 50 | 11.3% |
| Colleges, Universities, and Professional Schools | 49 | 10.9% |
| General Medical and Surgical Hospitals | 38 | 8.6% |
| Offices of All Other Miscellaneous Health Practitioners | 28 | 6.3% |
| Colleges, Universities, and Professional Schools (State Government) | 27 | 6.1% |

*Source: EMSI 2017.3*

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

|  |  |  |
| --- | --- | --- |
| Employer | Bay Region | East Bay |
| CA State University | 26 | 0 |
| University of California | 18 | 16 |
| Children’s Hospital & Research Center Oakland | 6 | 6 |
| Lucile Packard Children’s Hospital | 5 | 0 |
| National Collegiate Athletic Association | 5 | 0 |
| Stanford University | 5 | 0 |
| Palo Alto Unified School District | 5 | 0 |

*Source: Burning Glass*

# Educational Supply

**Table 6. Number of Awards (Certificates and Degrees) Conferred by Postsecondary Institutions, Transfer and Headcount on 1228.00 Athletic Training and Sports Medicine or CIP 51.0913 Athletic Training/Trainer**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| College | Sub-Region | CC Headcount | Associate Degrees | Certificates or Other Credit Awards | No. of Transfer Students | Total Awards |
| Diablo Valley | East Bay | 231 | 3 | 0 | 35 | 3 |
| Foothill | Silicon Valley | on another TOP or n<10 | 4 | 0 | 0 | 4 |
| Monterey | SC-Monterey | 15 | 0 | 0 | 1 | 0 |
| Ohlone | East Bay | on another TOP or n<10 | 3 | 0 | 0 | 3 |
| Santa Rosa | North Bay | 36 | 4 | 0 | 2 | 4 |
| Solano | North Bay | 13 | 0 | 0 | 0 | 0 |
| West Valley | Silicon Valley | on another TOP or n<10 | 0 | 8 | 0 | 8 |
| Gurnick Academy of Medical Arts | Mid-Peninsula | n/a | 0 | 1 | 0 | 1 |
|  |  | **295** | **14** | **9** | **38** | **25** |

# *Source: IPEDS, 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 except for Santa Rosa. Since SJRC awarded Associates in 2017, then the total of that year is shown rather than the three-year average. For Gurnick, the annual average is for 2013-16. For transfer student count the three-year average is for 2012-15.

According to the Integrated Postsecondary Education Data System (IPEDS) from the National Center for Educational Statistics, there is only one college issuing Bachelor’s degrees on the closest CIP match to our TOP code (51.0913 Athletic Training/Trainer) which is San Jose State. They awarded 13 Bachelor’s degrees on average over the three-year period 2013-16.

# Student Outcomes

Based on the information available in the Launchboard, students taking courses on the TOP code are having success:

**1228.00 Athletic Training and Sports Medicine in Bay Region community colleges:**

* 36 students transferred in the Bay Region in 2014-15. The annual average for 2012-15 was 39 students. The transfer rate for this TOP code is 12.2%, which is three times higher than the transfer rate for students across all TOP codes (CTE and not CTE) in the region at 3.7%.
* Only 33% of students were making a living wage after the coursework at a community college in the region in 2014-15. Data is not available to calculate a three-year annual average for 2013-14. Only 9% were earning a living wage in 2012-13.
* 65% of students were employed four quarters after exit from community college in 2014-15. The average for 2012-15 is 60% in the Bay Region. This is lower than the regional average across all programs for the same period at 68%.
* Median earnings in the second quarter after exit was $6,166 in 2014-15. The average for 2012-15 is $4,930 in the Bay Region. The three-year average is far below the regional average for all programs, which is $12,414 or 157% higher.
* Students had a 107% wage gain in 2014-15. However, the annual average for 2012-15 is 36% in the Bay Region, but that rate is still higher by 8% than the wage gained experienced by students in all TOP codes for the region for the same three-year period at 28%.

# Skill & Certifications

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

**Table 7. Top Skills & Certifications for Athletic Trainers in the Bay Region (Nov 2016 – Oct 2017)**

|  |  |  |  |
| --- | --- | --- | --- |
| **Skill** | **Latest 12 Mos. Postings** | **Certification** | **Latest 12 Mos. Postings** |
| Rehabilitation | 62 | First Aid CPR AED | 54 |
| Sports Injuries | 47 | Certified Athletic Trainer | 39 |
| Cardiopulmonary Resuscitation (CPR) | 44 | Athletic Trainer | 30 |
| Injury Prevention | 43 | BOC Certified | 9 |
| Budgeting | 39 | CITRIX Certified Advanced Administrator (CCAA) | 5 |

*Source: Burning Glass*

**Table 8. Education Requirements in Bay Region**

Note: Approximately 34% of job advertisements studied did not list a degree level.

|  |  |
| --- | --- |
| **Education (minimum advertised)** | **Latest 12 Mos. Postings** |
| High school or vocational training | 39 |
| Associate Degree | 1 |
| Bachelor’s Degree or higher | 53 |

*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