

# Labor Market Information Report

# Sports Medicine/Athletic Training Occupations

# Solano College

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

**July 2022**

## Recommendation

Based on all available data, there appears to be an “undersupply” of Sports Medicine/Athletic Training workers compared to the demand for this cluster of occupations in the Bay region and in the North Bay sub-region (Marin, Napa, Solano, Sonoma counties). There is a projected annual gap of about 8,103 students in the Bay region and 636 students in the North Bay Sub-Region.

However it is important to note that the projected annual gap in the region and sub-region is likely less than stated, because labor market data for Recreation and Fitness Studies Teachers, Postsecondary (SOC 25-1193) is not available, therefore the data in Tables 1 and 2 is for all “Postsecondary Teachers” and overstates the demand for Recreation and Fitness Studies Teachers, Postsecondary.

## Introduction

This report provides student outcomes data on employment and earnings for TOP 1228.00 Athletic Training and Sports Medicine programs in the state and region. It is recommended that these 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 Solano College and in the region.

This report profiles Sports Medicine/Athletic Training Occupations in the 12 county Bay region and in the North Bay sub-region for exploratory purposes at Solano College. Labor market data for Recreation and Fitness Studies Teachers, Postsecondary (SOC 25-1193) is not available, therefore the data in Tables 1 and 2 is for all “Postsecondary Teachers” and overstates the demand for Recreation and Fitness Studies Teachers, Postsecondary.

* **Postsecondary Teachers, All Other (25-1199):** All postsecondary teachers not listed separately.
  Entry-Level Educational Requirement: Doctoral or professional degree
  Training Requirement: None
  Percentage of Community College Award Holders or Some Postsecondary Coursework: NA%
* **Athletes and Sports Competitors (27-2021):** Compete in athletic events.
  Entry-Level Educational Requirement: No formal educational credential
  Training Requirement: Long-term on-the-job training
  Percentage of Community College Award Holders or Some Postsecondary Coursework: 35%
* **Athletic Trainers (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: 21%
* **Physical Therapist Aides (31-2022):** Under close supervision of a physical therapist or physical therapy assistant, perform only delegated, selected, or routine tasks in specific situations. These duties include preparing the patient and the treatment area.
  Entry-Level Educational Requirement: High school diploma or equivalent
  Training Requirement: Short-term on-the-job training
  Percentage of Community College Award Holders or Some Postsecondary Coursework: 62%
* **Exercise Trainers and Group Fitness Instructors (39-9031):** Instruct or coach groups or individuals in exercise activities. Demonstrate techniques and form, observe participants, and explain to them corrective measures necessary to improve their skills. Excludes teachers classified in 25-0000 Education, Training, and Library Occupations. Excludes “Coaches and Scouts” (27-2022) and “Athletic Trainers” (29-9091).
  Entry-Level Educational Requirement: High school diploma or equivalent
  Training Requirement: Short-term on-the-job training
  Percentage of Community College Award Holders or Some Postsecondary Coursework: 30%

## Occupational Demand

**Table 1. Employment Outlook for Sports Medicine/Athletic Training Occupations in Bay Region**

| **Occupation** | **2020 Jobs** | **2025 Jobs** | **5-yr Change** | **5-yr % Change** | **5-yr Total Openings** | **Annual Openings** | **25% Hourly Earning** | **Median Hourly Wage** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Postsecondary Teachers | 56,562 | 58,466 | 1,903 | 3% | 30,355 | 6,071 | $32 | $45 |
| Athletes and Sports Competitors | 348 | 353 | 4 | 1% | 254 | 51 | $13 | $25 |
| Athletic Trainers | 535 | 598 | 63 | 12% | 261 | 52 | $19 | $27 |
| Physical Therapist Aides | 1,365 | 1,532 | 166 | 12% | 1,016 | 203 | $14 | $16 |
| Exercise Trainers and Group Fitness Instructors | 11,149 | 10,973 | -176 | -2% | 8,796 | 1,759 | $18 | $27 |
| **Total** | **69,960** | **71,922** | **1,962** | **3%** | **40,683** | **8,136** |  |  |
| Source: EMSI 2021.4 |

**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 Sports Medicine/Athletic Training Occupations in North Bay Sub-region**

| **Occupation** | **2020 Jobs** | **2025 Jobs** | **5-yr Change** | **5-yr % Change** | **5-yr Total Openings** | **Annual Openings** | **25% Hourly Earning** | **Median Hourly Wage** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Postsecondary Teachers | 2,973 | 3,005 | 31 | 1% | 1,565 | 313 | $32 | $42 |
| Athletes and Sports Competitors | 52 | 52 | 0 | 0% | 37 | 7 | $12 | $25 |
| Athletic Trainers | 61 | 66 | 4 | 7% | 28 | 6 | $22 | $27 |
| Physical Therapist Aides | 167 | 191 | 24 | 15% | 129 | 26 | $15 | $17 |
| Exercise Trainers and Group Fitness Instructors | 1,961 | 1,758 | -202 | -10% | 1,442 | 288 | $14 | $25 |
| **Total** | **5,213** | **5,071** | **-142** | **-3%** | **3,201** | **640** |  |  |
| Source: EMSI 2021.4 |

**North Bay Sub-Region includes:** Marin, Napa, Solano, Sonoma Counties

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

**Table 3. Number of Job Postings by Occupation for latest 12 months**

| **Occupation** | **Bay Region** | **North Bay** |
| --- | --- | --- |
| Fitness Trainers and Aerobics Instructors | 389 | 44 |
| Physical Therapist Aides | 362 | 38 |
| Athletic Trainers | 290 | 36 |
| Athletes and Sports Competitors | 58 | 11 |
| Recreation and Fitness Studies Teachers, Postsecondary | 45 | 13 |
| Source: Burning Glass |

**Table 4a. Top Job Titles for Sports Medicine/Athletic Training Occupations for latest 12 months - Bay Region**

| **Title** | **Bay** | **Title** | **Bay** |
| --- | --- | --- | --- |
| Swim Instructor | 312 | Lead Summer Instructor, Youth | 59 |
| Personal Trainer | 282 | Athletic Trainer  | 59 |
| Physical Therapy Aide | 198 | Indoor Swim Instructor | 55 |
| Group Fitness Instructor | 135 | Private Swim Instructor | 52 |
| Pilates Instructor | 87 | Exercise Specialist | 49 |
| Fitness Instructor | 87 | Physical Therapy Technician | 45 |
| Yoga Instructor | 85 | Group Exercise Instructor | 38 |
| Fitness Trainer | 71 | Recreation Specialist | 32 |
| Aquatic Specialist | 71 | Certified Athletic Trainer | 29 |
| Source: Burning Glass |

**Table 4b. Top Job Titles for Sports Medicine/Athletic Training Occupations for latest 12 months - North Bay Sub-Region**

| **Title** | **North Bay** | **Title** | **North Bay** |
| --- | --- | --- | --- |
| Personal Trainer | 41 | Pilates Instructor | 9 |
| Aquatic Specialist | 25 | Private Swim Instructor | 9 |
| Physical Therapy Aide | 21 | Pilates Instructor  | 8 |
| Swim Instructor | 21 | Athletic Trainer | 8 |
| Instructor | 18 | Group Fitness Instructor | 8 |
| Fitness Instructor | 14 | Lead Summer Instructor, Youth | 7 |
| Fitness Trainer | 14 | Aqua Instructor | 6 |
| Yoga Instructor | 12 | Mobile Swim Instructor & Lifeguard | 6 |
| Physical Therapy Technician | 9 | Aquatics Coordinator | 5 |
| Source: Burning Glass |

## Industry Concentration

**Table 5. Industries hiring Sports Medicine/Athletic Training Workers in Bay Region**

| **Industry - 6 Digit NAICS (No. American Industry Classification) Codes** | **Jobs in Industry (2020)** | **Jobs in Industry (2025)** | **% Change (2020-25)** | **% Occupation Group in Industry (2020)** |
| --- | --- | --- | --- | --- |
| Colleges, Universities, and Professional Schools (State Government) | 20,074 | 22,929 | 14% | 31% |
| Colleges, Universities, and Professional Schools | 18,300 | 19,628 | 7% | 26% |
| Colleges, Universities, and Professional Schools (Local Government) | 14,377 | 14,510 | 1% | 20% |
| Fitness and Recreational Sports Centers | 6,574 | 4,397 | -33% | 9% |
| Other Technical and Trade Schools | 779 | 660 | -15% | 1% |
| Civic and Social Organizations | 720 | 539 | -25% | 1% |
| Offices of Physical, Occupational and Speech Therapists, and Audiologists | 580 | 838 | 44% | 1% |
| General Medical and Surgical Hospitals | 579 | 564 | -3% | 1% |
| All Other Amusement and Recreation Industries | 541 | 580 | 7% | 1% |
| Exam Preparation and Tutoring | 542 | 617 | 14% | 1% |
| Source: EMSI 2021.4 |

**Table 6. Top Employers Posting Sports Medicine/Athletic Training Occupations in Bay Region and North Bay Sub-Region**

| **Employer** | **Bay** | **Employer** | **North Bay** |
| --- | --- | --- | --- |
| Corepower Yoga | 154 | Hired Hands Homecare | 23 |
| Equinox | 105 | Equinox | 15 |
| YMCA | 90 | Svetness | 12 |
| Exos | 78 | Galileo Learning | 12 |
| Galileo Learning | 75 | Active Wellness | 12 |
| University of California | 60 | Best Buy | 10 |
| Svetness | 60 | Santa Rosa Country Club | 8 |
| 24 Hour Fitness | 58 | In Shape Health Clubs | 7 |
| Perfect Workout | 53 | YMCA | 6 |
| Best Buy | 46 | Exos | 6 |
| Source: Burning Glass |

## Educational Supply

There are five (5) community colleges in the Bay Region issuing 18 awards on average annually (last 3 years ending 2018-19) on TOP 1228.00 Athletic Training and Sports Medicine. In the North Bay Sub-Region, there is one (1) community college that issued 4 awards on average annually (last 3 years) on this TOP code.

There are a two (2) other CTE educational institutions in the Bay Region issuing 15 awards on average annually (last 3 years ending 2016-17) on TOP 1228.00 Athletic Training and Sports Medicine. There are no other CTE educational institution in the North Bay Sub-Region issuing awards on average annually (last 3 years) on this TOP code.

**Table 7a. Community College Awards on TOP 1228.00 Athletic Training and Sports Medicine in Bay Region**

| **College** | **Subregion** | **Associate** | **Certificate Low** | **Total** |
| --- | --- | --- | --- | --- |
| Diablo Valley | East Bay | 2 | 0 | 2 |
| Foothill | Silicon Valley | 2 | 0 | 2 |
| Ohlone | East Bay | 4 | 0 | 4 |
| Santa Rosa | North Bay | 4 | 0 | 4 |
| West Valley | Silicon Valley | 0 | 6 | 6 |
| **Total** |  | **12** | **6** | **18** |
| Source: Data Mart |

*Note: The annual average for awards is 2016-17 to 2018-19.*

**Table 7b. Other CTE Institutions Awards on TOP 1228.00 Athletic Training and Sports Medicine in Bay Region**

| **College** | **Subregion** | **Award < 1 academic yr** | **Bachelor's Degree** | **Total** |
| --- | --- | --- | --- | --- |
| Gurnick Academy of Medical Arts | Mid-Peninsula | 1 | 0 | 1 |
| San Jose State University | Silicon Valley | 0 | 14 | 14 |
| **Total** |  | **1** | **14** | **15** |
| Source: Data Mart |

*Note: The annual average for awards is 2016-17 to 2018-19.*

## Gap Analysis

Based on the data included in this report, there is a large labor market gap in the Bay region with 8,136 annual openings for the Sports Medicine/Athletic Training occupational cluster and 33 annual (3-year average) awards for an annual undersupply of 8,103 students. In the North Bay Sub-Region, there is also a gap with 640 annual openings and 4 annual (3-year average) awards for an annual undersupply of 636 students.

However it is important to note that the projected annual gap in the region and sub-region is likely less than stated, because labor market data for Recreation and Fitness Studies Teachers, Postsecondary (SOC 25-1193) is not available, therefore the data in Tables 1 and 2 is for all “Postsecondary Teachers” and overstates the demand for Recreation and Fitness Studies Teachers, Postsecondary.

## Student Outcomes

**Table 8. Four Employment Outcomes Metrics for Students Who Took Courses on TOP 1228.00 Athletic Training and Sports Medicine**

| **Metric Outcomes** | **Bay All CTE Programs** | **Solano All CTE Programs** | **State 1228.00** | **Bay 1228.00** | **North Bay 1228.00** | **Solano College 1228.00** |
| --- | --- | --- | --- | --- | --- | --- |
| Students with a Job Closely Related to Their Field of Study | 74% | 63% | 33% | N/A | N/A | N/A |
| Median Annual Earnings for SWP Exiting Students | $47,419 | $32,967 | $20,880 | $22,399 | $32,836 | N/A |
| Median Change in Earnings for SWP Exiting Students | 23% | 27% | 45% | 38% | N/A | N/A |
| Exiting Students Who Attained the Living Wage | 52% | 51% | 28% | 27% | N/A | N/A |
| Source: Launchboard Strong Workforce Program Median of 2017 to 2020. |

## Skills, Certifications and Education

**Table 9. Top Skills for Sports Medicine/Athletic Training Occupations in Bay Region**

| **Skill** | **Posting** | **Skill** | **Posting** |
| --- | --- | --- | --- |
| Teaching | 514 | Public Health and Safety | 49 |
| Cardiopulmonary Resuscitation (CPR) | 254 | Curriculum Development | 44 |
| Student Learning Outcomes | 236 | Physiology | 43 |
| Program Development | 222 | Yoga | 43 |
| Prevention of Criminal Activity | 212 | Pilates | 42 |
| Vaccination | 163 | Music | 40 |
| Scheduling | 99 | Natural Resources | 39 |
| Fitness | 84 | Program Planning | 39 |
| Customer Service | 78 | Patient Care | 36 |
| Rehabilitation | 70 | Psychology | 35 |
| Cleaning | 69 | Clinical Experience | 32 |
| Group Fitness | 66 | Economics | 32 |
| Physical Therapy | 61 | Maintaining Student Records | 29 |
| Therapy | 50 | Anatomy | 28 |
| Source: Burning Glass |

**Table 10. Certifications for Sports Medicine/Athletic Training Occupations in Bay Region**

| **Certification** | **Posting** | **Certification** | **Posting** |
| --- | --- | --- | --- |
| First Aid Cpr Aed | 176 | Group Exercise Instructor | 6 |
| Driver's License | 66 | Water Safety Instructor | 5 |
| Personal Fitness Trainer Certification | 29 | Certified Pool/Spa Operator | 5 |
| Athletic Trainer Certification | 24 | Board Certified/ Board Eligible | 5 |
| AFAA Certification | 21 | Sports Medicine Certification | 4 |
| American Heart Association Certification | 20 | Social Work License | 4 |
| Registered Nurse | 14 | Public Safety Certificate | 4 |
| Basic Life Saving (BLS) | 13 | Licensed Professional Counselor | 4 |
| Home Care Certificate | 12 | Ceu's Certificate | 4 |
| Certified Fitness Instructor | 10 | Certified Clinical Exercise Physiologist (CEP) | 4 |
| Source: Burning Glass |

Note: 58% of records have been excluded because they do not include a certification. As a result, the chart above may not be representative of the full sample.

**Table 11. Education Requirements for Sports Medicine/Athletic Training Occupations in Bay Region**

| **Education (minimum advertised)** | **Latest 12 Mos. Postings** | **Percent 12 Mos. Postings** |
| --- | --- | --- |
| High school or vocational training | 176 | 29% |
| Associate's degree | 6 | 1% |
| Bachelor's degree and higher | 416 | 70% |
| 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:

• Leila Jamoosian, Research Analyst, for Bay Area Community College Consortium (BACCC) and Centers of Excellence (CoE), leila@baccc.net

• John Carrese, Director, San Francisco Bay Center of Excellence for Labor Market Research, jcarrese@ccsf.edu or (415) 267-6544