



Labor Market Information Report

Sports Medicine Occupations

Cabrillo College

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

January 2024

Recommendation

Based on all available data, there appears to be an “undersupply” of Sports Medicine workers compared to the demand for this cluster of occupations in the Bay region and in the SC-Monterey sub-region (Monterey, San Benito, Santa Cruz counties). There is a projected annual gap of about 38 students in the Bay region and four (4) students in the SC-Monterey Sub-Region.

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 Cabrillo College and in the region.

This report profiles Sports Medicine Occupations in the 12 county Bay region and in the SC-Monterey sub-region for a program modification (substantial change) to an Introduction to Sports Medicine program at Cabrillo College.

It is important to note that Cabrillo College requested occupational demand data for “Health Specialties Teachers, Postsecondary” for this report, however labor market data is no longer available for this occupation. Labor market data is only available for “Postsecondary Teachers, All Other” which combines data for all postsecondary teaching disciplines. However, this would overstate the projected demand for Postsecondary Teachers who specialize in health related areas and would compromise the accuracy of the supply vs. demand analysis. Unfortunately, there is no good substitute occupation for “Health Specialties Teachers, Postsecondary”, and so this report only provides occupational data for Athletic Trainers.

- **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%

Occupational Demand

Table 1. Employment Outlook for Sports Medicine Occupations in Bay Region

Occupation	2021 Jobs	2026 Jobs	5-yr Change	5-yr % Change	5-yr Total Openings	Annual Openings	25% Hourly Earning	Median Hourly Wage
Athletic Trainers	470	565	95	20%	258	52	\$26	\$30
Total	470	565	95	20%	258	52	\$26	\$30

Source: Lightcast 2022.3

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 Occupations in SC-Monterey Sub-region

Occupation	2021 Jobs	2026 Jobs	5-yr Change	5-yr % Change	5-yr Total Openings	Annual Openings	25% Hourly Earning	Median Hourly Wage
Athletic Trainers	52	56	4	7%	21	4	\$17	\$17
Total	52	56	3.9	7%	21	4	\$17	\$17

Source: Lightcast 2022.3

SC-Monterey Sub-Region includes: Monterey, San Benito, 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

Occupation	Bay Region	SC-Monterey
Athletic Trainers	308	18

Source: Lightcast

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

Title	Bay	Title	Bay
Athletic Trainers	163	School Health Coordinators	2
Certified Athletic Trainers	54	Assessment Managers	1
Assistant Athletic Trainers	43	Assistant Directors of Athletic Communications	1
Athletics Directors	9	At Your Service Supervisors	1
Head Athletic Trainers	9	Athletic Equipment Managers	1
On-Site Industrial Athletic Trainers	4	Athletics Development Interns	1
Associate Directors of Athletic Communications	3	Claims Trainers	1
Athletic Training Fellows	3	Directors of Athletics Marketing	1
Graduate Assistant Athletic Trainers	2	Directors of Athletics and Activities	1

Source: Lightcast

Table 4b. Top Job Titles for Sports Medicine Occupations for latest 12 months - SC-Monterey Sub-Region

Title	SC-Monterey
Athletic Trainers	13
Assistant Athletic Trainers	3
Certified Athletic Trainers	1

Industry Concentration**Table 5. Industries hiring Sports Medicine Workers in Bay Region**

Industry - 6 Digit NAICS (No. American Industry Classification) Codes	Jobs in Industry (2021)	Jobs in Industry (2026)	% Change (2021-26)	% Occupation Group in Industry (2022)
Colleges, Universities, and Professional Schools	88	110	25%	13%
Offices of Physical, Occupational and Speech Therapists, and Audiologists	48	91	91%	10%
Colleges, Universities, and Professional Schools (State Government)	57	77	34%	9%
General Medical and Surgical Hospitals	58	57	-2%	7%
Offices of Mental Health Practitioners (except Physicians)	46	56	22%	7%
Elementary and Secondary Schools (Local Government)	39	50	29%	7%
Offices of Physicians (except Mental Health Specialists)	38	50	32%	6%
Offices of All Other Miscellaneous Health Practitioners	42	47	10%	6%
Fitness and Recreational Sports Centers	39	38	-2%	5%
Elementary and Secondary Schools	26	33	30%	4%

Source: Lightcast 2022.3

Table 6. Top Employers Posting Sports Medicine Occupations in Bay Region and SC-Monterey Sub-Region

Employer	Bay	Employer	SC-Monterey
University of California	16	Pajaro Valley Unified School District	4
California State University	15	California State University	3
Stanford University	15	Hartnell College	3
Sonoma State University	14	University of California	3
Vibrantcare Rehabilitation	9	Enovis	1
Work Right Nw	9	Hartnell Community College	1

Source: Lightcast

Educational Supply

There are four (4) community colleges in the Bay Region issuing six (6) awards on average annually (last 3 years ending 2021-22) on TOP 1228.00 - Athletic Training and Sports Medicine. In the SC-Monterey Sub-Region, there are no community colleges that issued awards on average annually (last 3 years) on this TOP code.

There is one (1) other CTE educational institutions in the Bay Region issuing eight (8) awards on average annually (last 3 years ending 2021-22) on CIP 51.0913 - Athletic Training/Trainer. There are no other CTE educational institutions in the SC-Monterey Sub-Region issuing awards on average annually (last 3 years) on this CIP code.

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

College	Subregion	Associate Degree	Low unit Certificate	Total
Diablo Valley	East Bay	1	0	1
Foothill	Silicon Valley	1	0	1
Las Positas	East Bay	0	1	1
Santa Rosa	North Bay	3	0	3
Total		5	1	6

Source: Data Mart

Note: The annual average for awards is 2019-20 to 2021-22.

Table 7b. Other CTE Institutions Awards on CIP 51.0913 - Athletic Training/Trainer in Bay Region

College	Subregion	Bachelor's degree	Total
San Jose State University	Silicon Valley	8	8
Total		8	8

Source: Data Mart

Note: The annual average for awards is 2019-20 to 2021-22.

Gap Analysis

Based on the data included in this report, there is a small labor market gap in the Bay region with 52 annual openings for the Sports Medicine occupational cluster and 14 annual (3-year average) awards for an annual undersupply of 38 students. In the SC-Monterey Sub-Region, there is also a small gap with four (4) annual openings and no annual (3-year average) awards for an annual undersupply of four (4) students.

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	Cabrillo All CTE Programs	State 1228.00	Bay 1228.00	SC-Monterey 1228.00	Cabrillo College 1228.00
Students with a Job Closely Related to Their Field of Study	74%	80%	47%	N/A	N/A	N/A
Median Annual Earnings for SWP Exiting Students	\$53,090	\$46,381	\$24,818	\$28,376	\$35,576	N/A
Median Change in Earnings for SWP Exiting Students	24%	23%	44%	38%	N/A	N/A
Exiting Students Who Attained the Living Wage	54%	44%	29%	22%	N/A	N/A

Metric Outcomes	Bay All CTE Programs	Cabrillo All CTE Programs	State 1228.00	Bay 1228.00	SC-Monterey 1228.00	Cabrillo College 1228.00
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Source: Launchboard Strong Workforce Program Median of 2018 to 2021.

Skills, Certifications and Education

Table 9. Top Skills for Sports Medicine Occupations in Bay Region

Skill	Posting	Skill	Posting
Athletic Training	247	Orthopedics	55
Rehabilitation	192	Therapeutic Modalities	55
Sports Medicine	137	Intercollegiate Athletics	51
Injury Prevention	127	Bloodborne Pathogens	50
Sports Injuries	109	Physical Therapy	47
Physical Education	85	Marketing	44
Kinesiology	84	Automated External Defibrillator	40
Cardiopulmonary Resuscitation (CPR)	72	Emergency Medicine	39
Occupational Safety and Health Administration (OSHA)	64	Electronic Medical Record	36
Medical Records	58	Health Education	36

Source: Lightcast

Table 10. Certifications for Introduction to Sports Medicine Occupations in Bay Region

Certification	Posting	Certification	Posting
Certified Athletic Trainer	175	Certified Occupational Therapy Assistant	7
Cardiopulmonary Resuscitation (CPR) Certification	123	Certified Strength And Conditioning Specialist	7
First Aid Certification	91	American Red Cross (ARC) Certification	4
Valid Driver's License	88	10-Hour OSHA General Industry Card	3
Automated External Defibrillator (AED) Certification	83	American College Of Sports Medicine (ACSM) Certification	3
Basic Life Support (BLS) Certification	30	Basic Cardiac Life Support	3
CPR/AED for the Professional Rescuer	27	Registered Nurse (RN)	2
Certified First Responder (CFR)	20	American Red Cross First Aid Certification	2
Board Certified/Board Eligible	10	Certified Safety Professional	2

Certification	Posting	Certification	Posting
Certified Safety Auditor	8	Registered Sleep Technologist	2

Source: Lightcast

Table 11. Education Requirements for Sports Medicine Occupations in Bay Region

Education Level	Job Postings	% of Total
High school or GED	4	1%
Associate degree	10	3%
Bachelor's degree & higher	321	96%

Source: Lightcast

Note: 23% of records have been excluded because they do not include a degree level. As a result, the chart above may not be representative of the full sample.

Methodology

Occupations for this report were identified by use of job descriptions and skills listed in O*Net. Labor demand data is sourced from Lightcast occupation and job postings data. Educational supply and student outcomes data is retrieved from multiple sources, including CCCCO Data Mart and CTE Launchboard.

Sources

O*Net Online

Lightcast

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

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