

**Labor Market Analysis for Program Recommendation**

**Sports Medicine Integrative Therapies and Rehabilitation Occupations**

**Skyline College**

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

## August 2023

## Recommendation

Based on all available data, there appears to be an “undersupply” of Sports Medicine Integrative Therapies and Rehabilitation workers compared to the demand for this cluster of occupations in the Bay region and in the Mid-Peninsula sub-region (San Francisco, San Mateo counties). There is a projected annual gap of about 391 students in the Bay region and 96 students in the Mid-Peninsula Sub-Region.

## Introduction

This report provides student outcomes data on employment and earnings for TOP 1299.00 - Other Health Occupations 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 Skyline College and in the region.

This report profiles Sports Medicine Integrative Therapies and Rehabilitation Occupations in the 12 county Bay region and in the Mid-Peninsula sub-region for a proposed new program at Skyline College.

* **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%
* **Healthcare Practitioners and Technical Workers, All Other (29-9099):** All healthcare practitioners and technical workers not listed separately.
  Entry-Level Educational Requirement: Postsecondary nondegree award
  Training Requirement: None
  Percentage of Community College Award Holders or Some Postsecondary Coursework: 48%
* **Occupational Therapy Aides (31-2012):** Under close supervision of an occupational therapist or occupational therapy assistant, perform only delegated, selected, or routine tasks in specific situations. These duties include preparing patient and treatment room.
  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: 67%
* **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%

## Occupational Demand

**Table 1. Employment Outlook for Sports Medicine Integrative Therapies and Rehabilitation 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 |
| Healthcare Practitioners and Technical Workers, All Other | 1,340 | 1,468 | 128 | 10% | 576 | 115 | $26 | $34 |
| Occupational Therapy Aides | 62 | 73 | 10 | 17% | 62 | 12 | $24 | $33 |
| Physical Therapist Aides | 1,336 | 1,515 | 179 | 13% | 1,178 | 236 | $16 | $17 |
| **Total** | **3,209** | **3,621** | **412** | **13%** | **2,074** | **415** |  |  |
| 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 Integrative Therapies and Rehabilitation Occupations in Mid-Peninsula 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 | 110 | 135 | 26 | 23% | 64 | 13 | $29 | $31 |
| Healthcare Practitioners and Technical Workers, All Other | 309 | 366 | 57 | 18% | 163 | 33 | $30 | $38 |
| Occupational Therapy Aides | 19 | 23 | 4 | 20% | 20 | 4 | $28 | $36 |
| Physical Therapist Aides | 266 | 314 | 48 | 18% | 250 | 50 | $17 | $18 |
| **Total** | **704** | **838** | **134** | **19%** | **497** | **100** |  |  |
| Source: Lightcast 2022.3 |
| **Mid-Peninsula Sub-Region includes:** San Francisco, San Mateo Counties |

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

**Table 3. Number of Job Postings by Occupation for latest 12 months (Aug. 2022 - July 2023)**

| **Occupation** | **Bay Region** | **Mid-Peninsula** |
| --- | --- | --- |
| Physical Therapist Aides | 402 | 57 |
| Athletic Trainers | 355 | 59 |
| Occupational Therapy Aides | 273 | 74 |
| Healthcare Practitioners and Technical Workers, All Other | 59 | 18 |
| Source: Lightcast |

**Table 4a. Top Job Titles for Sports Medicine Integrative Therapies and Rehabilitation Occupations for latest 12 months (Aug. 2022 - July 2023) - Bay Region**

| **Title** | **Bay** | **Title** | **Bay** |
| --- | --- | --- | --- |
| Physical Therapy Aides | 275 | Medical Receptionists/Physical Therapy Aides | 13 |
| Athletic Trainers | 191 | Service Aides | 13 |
| Rehabilitation Aides | 171 | Athletics Directors | 12 |
| Certified Athletic Trainers | 73 | Head Athletic Trainers | 12 |
| Physical Therapy Technicians | 49 | Physical Therapist Technicians | 9 |
| Rehabilitation Technicians | 41 | Peer Review Coordinators | 8 |
| Assistant Athletic Trainers | 37 | Physical Therapist Aides | 8 |
| Therapy Aides | 37 | Directors of Rehabilitation | 6 |
| Transplant Nephrologists | 15 | Rehabilitation Therapy Aides | 6 |
| Source: Lightcast |

**Table 4b. Top Job Titles for Sports Medicine Integrative Therapies and Rehabilitation Occupations for latest 12 months (Aug. 2022 - July 2023) Mid-Peninsula Sub-Region**

| **Title** | **Mid-Peninsula** | **Title** | **Mid-Peninsula** |
| --- | --- | --- | --- |
| Physical Therapy Aides | 50 | Behavioral Health Aides | 2 |
| Rehabilitation Aides | 50 | Midwives | 2 |
| Athletic Trainers | 22 | Orthotic Fitters | 2 |
| Certified Athletic Trainers | 16 | Peer Review Coordinators | 2 |
| Assistant Athletic Trainers | 8 | Rehabilitation Technicians | 2 |
| Transplant Nephrologists | 7 | Rehabilitation Therapy Aides | 2 |
| Directors of Rehabilitation | 6 | Service Aides | 2 |
| Therapy Aides | 4 | Service Coordinators | 2 |
| Athletics Directors | 3 |  |  |
| Source: Lightcast |

## Industry Concentration

**Table 5. Industries hiring Sports Medicine Integrative Therapies and Rehabilitation 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)** |
| --- | --- | --- | --- | --- |
| Offices of Physical, Occupational and Speech Therapists, and Audiologists | 774 | 937 | 21% | 24% |
| General Medical and Surgical Hospitals | 421 | 420 | 0% | 13% |
| Hospitals (Local Government) | 233 | 285 | 22% | 8% |
| Offices of Physicians (except Mental Health Specialists) | 238 | 249 | 5% | 7% |
| HMO Medical Centers | 179 | 206 | 15% | 6% |
| Colleges, Universities, and Professional Schools | 116 | 138 | 19% | 4% |
| State Government, Excluding Education and Hospitals | 96 | 101 | 5% | 3% |
| Colleges, Universities, and Professional Schools (State Government) | 89 | 101 | 13% | 3% |
| Elementary and Secondary Schools (Local Government) | 89 | 95 | 7% | 3% |
| Federal Government, Civilian, Excluding Postal Service | 77 | 73 | -5% | 2% |
| Source: Lightcast 2022.3 |

**Table 6. Top Employers Posting Sports Medicine Integrative Therapies and Rehabilitation Occupations in Bay Region and Mid-Peninsula Sub-Region (Aug. 2022 – July 2023)**

| **Employer** | **Bay** | **Employer** | **Mid-Peninsula** |
| --- | --- | --- | --- |
| Select Physical Therapy | 41 | Kaiser Permanente | 16 |
| Vibrantcare Rehabilitation | 37 | Select Physical Therapy | 15 |
| Sutter Health | 36 | Sutter Health | 15 |
| Kaiser Permanente | 34 | University of California | 14 |
| University of California | 33 | Select Medical | 9 |
| California Rehabilitation And Sports Therapy | 30 | Ucsf Medical Center | 6 |
| Source: Lightcast |

## Educational Supply

There is (1) community college in the Bay Region and Mid-Peninsula Sub-Region, issuing four (4) awards on average annually (last 3 years ending 2021-22) on TOP 1299.00 - Other Health Occupations.

There is one (1) other CTE educational institution in the Bay Region issuing 20 awards on average annually (last 3 years ending 2021-22) on CIP 51.9999 - Health Professions and Related Clinical Sciences, Other. There are no other CTE educational institution in the Mid-Peninsula Sub-Region issuing awards on average annually (last 3 years) on this CIP code.

**Table 7a. Community College Awards on TOP 1299.00 - Other Health Occupations in Bay Region**

| **College** | **Subregion** | **Low unit Certificate** | **Total** |
| --- | --- | --- | --- |
| San Francisco | Mid-Peninsula | 4 | 4 |
| **Total** |  | **4** | **4** |
| Source: Data Mart |
| Note: The annual average for awards is 2019-20 to 2021-22. |

**Table 7b. Other CTE Institutions Awards on CIP 51.9999 - Health Professions and Related Clinical Sciences, Other in Bay Region**

| **College** | **Subregion** | **Bachelor's degree** | **Total** |
| --- | --- | --- | --- |
| Saint Mary's College of California | East Bay | 20 | 20 |
| **Total** |  | **20** | **20** |
| 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 labor market gap in the Bay region with 415 annual openings for the Sports Medicine Integrative Therapies and Rehabilitation occupational cluster and 24 annual (3-year average) awards for an annual undersupply of 391 students. In the Mid-Peninsula Sub-Region, there is also a gap with 100 annual openings and 4 annual (3-year average) awards for an annual undersupply of 96 students.

## Student Outcomes

**Table 8. Four Employment Outcomes Metrics for Students Who Took Courses on TOP 1299.00 - Other Health Occupations**

| **Metric Outcomes** | **Bay All CTE Programs** | **Skyline All CTE Programs** | **State 1299.00** | **Bay 1299.00** | **Mid-Peninsula 1299.00** | **Skyline 1299.00** |
| --- | --- | --- | --- | --- | --- | --- |
| Students with a Job Closely Related to Their Field of Study | 74% | 74% | 75% | 75% | 88% | N/A |
| Median Annual Earnings for SWP Exiting Students | $53,090 | $48,369 | $34,285 | $48,541 | $54,176 | $89,915 |
| Median Change in Earnings for SWP Exiting Students | 24% | 13% | 20% | 16% | 32% | N/A |
| Exiting Students Who Attained the Living Wage | 54% | 30% | 47% | 45% | 42% | 100% |
| Source: Launchboard Strong Workforce Program Median of 2018 to 2021. |

## Skills, Certifications and Education

**Table 9. Top Skills for Sports Medicine Integrative Therapies and Rehabilitation Occupations in Bay Region (Aug. 2022 - July 2023)**

| **Skill** | **Posting** | **Skill** | **Posting** |
| --- | --- | --- | --- |
| Rehabilitation | 630 | Medical Records | 140 |
| Physical Therapy | 462 | Linens | 133 |
| Athletic Training | 292 | Orthopedics | 129 |
| Kinesiology | 210 | Patient Preparation | 118 |
| Injury Prevention | 169 | Anatomy | 114 |
| Patient Assistance | 164 | Cardiopulmonary Resuscitation (CPR) | 102 |
| Patient Treatment | 162 | Patient Education and Counseling | 101 |
| Sports Medicine | 155 | Office Equipment | 97 |
| Occupational Safety and Health Administration (OSHA) | 146 | Exercise Therapy | 94 |
| Sports Injuries | 142 | Patient Positioning | 90 |
| Source: Lightcast |

**Table 10. Certifications for Sports Medicine Integrative Therapies and Rehabilitation Occupations in Bay Region (Aug. 2022 - July 2023)**

| **Certification** | **Posting** | **Certification** | **Posting** |
| --- | --- | --- | --- |
| Cardiopulmonary Resuscitation (CPR) Certification | 209 | Personal Trainer Certification | 12 |
| Certified Athletic Trainer | 186 | Board Certified/Board Eligible | 11 |
| Basic Life Support (BLS) Certification | 159 | Certified Nursing Assistant (CNA) | 10 |
| Valid Driver's License | 99 | American Red Cross (ARC) Certification | 8 |
| First Aid Certification | 91 | Certified Strength and Conditioning Specialist | 7 |
| Automated External Defibrillator (AED) Certification | 81 | Emergency Medical Technician (EMT) | 6 |
| Registered Nurse (RN) | 57 | Advanced Cardiovascular Life Support (ACLS) Certification | 5 |
| CPR/AED For The Professional Rescuer | 24 | Certified Safety Auditor | 5 |
| Certified Occupational Therapy Assistant | 16 | Basic Cardiac Life Support | 4 |
| Certified First Responder (CFR) | 15 | 10-Hour OSHA General Industry Card | 3 |
| Source: Lightcast |

**Table 11. Education Requirements for Sports Medicine Integrative Therapies and Rehabilitation Occupations in Bay Region**

| **Education Level** | **Job Postings** | **% of Total** |
| --- | --- | --- |
| High school or GED | 338 | 33% |
| Associate degree | 36 | 3% |
| Bachelor's degree & higher | 660 | 64% |
| Source: Lightcast |
| Note: 25% 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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