



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

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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%

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)
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

College	Subregion	Low unit Certificate	Total
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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

Skill	Posting	Skill	Posting
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

Education Level	Job Postings	% of Total
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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

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