** Sports Medicine Preparation Occupations**

**Labor Market Information Report**

**Santa Rosa Junior College**

Prepared by the San Francisco Bay Center of Excellence

for Labor Market Research

November 2018

# Recommendation

Based on all available data, there appears to be an undersupply of workers in the Sports Medicine Preparation occupational cluster compared to the demand for these occupations in the Bay region and in the North Bay sub-region (Marin, Napa, Solano and Sonoma Counties). The gap is about 2,882 students annually in the Bay region and about 540 students annually in the North Bay sub-region.

This report also provides student outcomes data on employment and earnings for programs on TOP 1228.00 - Athletic Training and Sports Medicine in the state and region. It is recommended that this 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 Santa Rosa Junior College and in the region.

# Introduction

This report profiles Sports Medicine Preparation Occupations in the 12 county Bay region and in the North Bay sub-region for a proposed new program at Santa Rosa Junior College.

|  |
| --- |
| * **Occupational Therapy Assistants (SOC 31-2011):** Assist occupational therapists in providing occupational therapy treatments and procedures. May, in accordance with State laws, assist in development of treatment plans, carry out routine functions, direct activity programs, and document the progress of treatments. Generally requires formal training. |
| *Entry-Level Educational Requirement: Associate's degree* |
| *Training Requirement: None* |
| *Percentage of Community College Award Holders or Some Postsecondary Coursework: 82%* |
|  |
| * **Physical Therapist Aides (SOC 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: 65%* |
|  |
| * **Occupational Therapy Aides (SOC 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: 82%* |
|  |
| * **Physical Therapist Assistants (SOC 31-2021):** Assist physical therapists in providing physical therapy treatments and procedures. May, in accordance with State laws, assist in the development of treatment plans, carry out routine functions, document the progress of treatment, and modify specific treatments in accordance with patient status and within the scope of treatment plans established by a physical therapist. Generally requires formal training. |
| *Entry-Level Educational Requirement: Associate's degree* |
| *Training Requirement: None* |
| *Percentage of Community College Award Holders or Some Postsecondary Coursework: 65%* |
|  |
| * **Fitness Trainers and Aerobics Instructors (SOC 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: 34%* |

# Occupational Demand

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

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Occupation | 2017 Jobs | 2022 Jobs | 5-Yr Change | 5-Yr % Change | 5-Yr Open-ings | Annual Open-ings | 10% Hourly Wage | Median Hourly Wage |
| Occupational Therapy Assistants | 284 | 379 | 95 | 33% | 289 | 58 | $16.69 | $24.48 |
| Physical Therapist Aides | 1,294 | 1,466 | 172 | 13% | 974 | 195 | $10.86 | $14.18 |
| Occupational Therapy Aides | 168 | 194 | 26 | 15% | 134 | 27 | $12.21 | $16.47 |
| Physical Therapist Assistants | 693 | 896 | 203 | 29% | 655 | 131 | $14.97 | $31.85 |
| Fitness Trainers and Aerobics Instructors | 13,016 | 14,344 | 1,328 | 10% | 12,503 | 2,501 | $11.46 | $21.77 |
| **Total** | **15,455** | **17,278** | **1,823** | **12%** | **14,556** | **2,911** | **$11.67** | **$21.58** |

*Source: EMSI 2018.4*

**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 Preparation Occupations in North Bay Sub-Region**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Occupation | 2017 Jobs | 2022 Jobs | 5-Yr Change | 5-Yr % Change | 5-Yr Open-ings | Annual Open-ings | 10% Hourly Wage | Median Hourly Wage |
| Occupational Therapy Assistants | 52 | 64 | 12 | 24% | 47 | 9 | $18.61 | $34.30 |
| Physical Therapist Aides | 159 | 175 | 16 | 10% | 116 | 23 | $11.42 | $14.41 |
| Occupational Therapy Aides | 22 | 24 | 3 | 14% | 17 | 3 | $10.88 | $16.76 |
| Physical Therapist Assistants | 177 | 205 | 28 | 16% | 139 | 28 | $16.50 | $30.37 |
| Fitness Trainers and Aerobics Instructors | 2,578 | 2,786 | 209 | 8% | 2,403 | 481 | $10.98 | $24.56 |
| **TOTAL** | **2,988** | **3,256** | **268** | **9%** | **2,721** | **544** | **$11.46** | **$24.48** |

*Source: EMSI 2018.4*

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

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

**Table 3. Number of Job Postings by Occupation for latest 12 months (Oct 2017 - Sept 2018)**

|  |  |  |
| --- | --- | --- |
| Occupation | Bay Region | North Bay |
| Fitness Trainers and Aerobics Instructors (39-9031.00) | 2,082 | 188 |
| Physical Therapist Assistants (31-2021.00) | 1,019 | 202 |
| Occupational Therapy Assistants (31-2011.00) | 593 | 84 |
| Occupational Therapy Aides (31-2012.00) | 115 | 16 |
| Physical Therapist Aides (31-2022.00) | 106 | 17 |
| **Total** | **3,915** | **507** |

*Source: Burning Glass*

**Table 4. Top Job Titles for Sports Medicine Preparation Occupations for latest 12 months (Oct 2017 - Sept 2018)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Common Title | Bay | North Bay | Common Title | Bay | North Bay |
| Physical Therapist Assistant | 911 | 180 | Therapist | 36 | 4 |
| Personal Trainer | 561 | 64 | Recreation Specialist | 33 | 2 |
| Certified Occupational Therapy Assistant | 301 | 44 | SNF | 28 | 8 |
| Group Exercise Instructor | 212 | 13 | Personal Fitness Trainer | 26 | 1 |
| Swim Instructor | 191 | 25 | Administrative Assistant | 25 | 7 |
| Occupational Therapist Assistant | 149 | 30 | Fitness Attendant | 17 |  |
| Group Fitness Instructor | 113 | 4 | Yoga Teacher | 14 |  |
| Group X Instructor | 108 | 17 | Physical Therapist | 13 | 3 |
| Rehabilitation Aide | 103 | 12 | Personal Fitness Manager | 12 |  |
| Pilates Instructor | 98 | 3 | Certified Personal Trainer | 11 | 1 |
| Fitness Instructor | 89 | 11 | Exercise Specialist | 11 | 1 |
| Fitness Specialist | 82 | 5 | Zumba Instructor | 11 | 1 |
| Physical Therapy Aide | 80 | 12 | Class Instructor | 10 |  |
| Yoga Instructor | 62 | 4 | Fitness Professional | 10 |  |
| Fitness Trainer | 52 | 4 | Spin Instructor | 10 |  |
| Aba Therapist | 43 |  | Lead Instructor | 8 |  |

*Source: Burning Glass*

# Industry Concentration

**Table 5. Industries hiring Workers from Sports Medicine Preparation Occupational Cluster in Bay Region**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Industry – 6 Digit NAICS (No. American Industry Classification) Codes | Jobs in Industry (2017) | Jobs in Industry (2022) | % Change (2017-22) | % in Industry (2017) |
| Fitness and Recreational Sports Centers (713940) | 8,316 | 8,413 | 11% | 53.8% |
| Offices of Physical, Occupational and Speech Therapists, and Audiologists (621340) | 1,102 | 1,120 | 28% | 7.2% |
| Civic and Social Organizations (813410) | 1,008 | 1,004 | 3% | 6.4% |
| All Other Amusement and Recreation Industries (713990) | 539 | 551 | 8% | 3.5% |
| Local Government, Excluding Education and Hospitals (903999) | 419 | 421 | 5% | 2.7% |
| General Medical and Surgical Hospitals (622110) | 400 | 401 | (0%) | 2.6% |
| Sports and Recreation Instruction (611620) | 310 | 315 | 17% | 2.0% |
| Exam Preparation and Tutoring (611691) | 283 | 289 | 17% | 1.8% |
| Fine Arts Schools (611610) | 231 | 235 | 14% | 1.5% |
| Nursing Care Facilities (Skilled Nursing Facilities) (623110) | 206 | 207 | 9% | 1.3% |
| Hospitals (Local Government) (903622) | 195 | 198 | 11% | 1.3% |
| All Other Miscellaneous Schools and Instruction (611699) | 168 | 171 | 19% | 1.1% |
| HMO Medical Centers (621491) | 153 | 154 | 29% | 1.0% |

*Source: EMSI 2018.4*

**Table 6. Top Employers Posting Sports Medicine Preparation Occupations in Bay Region and North Bay Sub-Region (Oct 2017 - Sept 2018)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Employer | Bay | Employer | Bay | Employer | North Bay |
| 24 Hour Fitness | 306 | Therapeutic Resources | 38 | 24 Hour Fitness | 37 |
| Advanced Travel Therapy | 102 | City Sports Club | 36 | Advanced Travel Therapy | 24 |
| Athletes Performance, Inc | 82 | Crunch Fitness | 33 | In Shape Health Clubs Incorporated | 17 |
| Exos | 67 | Active Sports Clubs | 31 | Athletes Performance, Inc | 12 |
| YMCA | 64 | Leisure Sports Hospitality | 29 | Accentcare | 9 |
| Equinox | 54 | University California | 26 | Gentiva Health | 8 |
| Select Medical | 49 | Meryl Leigh & Associates | 24 | Select Medical | 8 |
| Medifit Corporate Services | 42 | Cross Country Allied | 22 | Active Sports Clubs | 7 |
| Leisure Sports Incorporated | 41 | Preferred Healthcare | 22 | Genesis Healthcare Corporation | 7 |
| In Shape Health Clubs Incorporated | 39 | Trustmark Company | 22 | St Joseph Health | 7 |

*Source: Burning Glass*

# Educational Supply

There are five community colleges in the Bay Region issuing 29 awards annually on TOP 1228.00 - Athletic Training and Sports Medicine. Santa Rosa Junior College is the only college in the North Bay sub-region issuing awards on this TOP code, with 4 awards annually.

**Table 7. Awards on TOP 1228.00 - Athletic Training and Sports Medicine in the Bay Region**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| College | Sub-Region | Headcount | Associates | Certificates | Total |
| **Diablo Valley** | East Bay | 219 | 3 |  | 3 |
| **Foothill** | Silicon Valley | n/a | 4 |  | 4 |
| **Ohlone** | East Bay | n/a | 3 |  | 3 |
| **Santa Rosa** | North Bay | 69 | 4 |  | 4 |
| **West Valley** | Silicon Valley | n/a |  | 15 | 15 |
| **Total Bay Region** | | **288** | **14** | **15** | **29** |
| **Total North Bay Sub-Region** | | **69** | **4** | **0** | **4** |

# *Source: IPEDS, Data Mart and Launchboard*

NOTE: Headcount of students who took one or more courses is for 2016-17. The annual average for awards is 2014-17 unless there are only awards in 2016-17. The annual average for other postsecondary is for 2013-16.

# Gap Analysis

Based on the data included in this report, there is a labor market gap in the Bay region with 2,911 annual openings for the Sports Medicine Preparation occupational cluster and 29 annual awards for an annual undersupply of 2,882 students. In the North Bay sub-region, there is also a gap with 544 annual openings and 4 annual awards for an annual undersupply of 540 students.

# Student Outcomes

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

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 2015-16 | Bay  (All CTE Programs) | Santa Rosa Junior College (All CTE Programs) | State (TOP 1228.00) | Bay  (TOP  1228.00) | North Bay (TOP 1228.00) | Santa Rosa Junior College (TOP 1228.00) |
| % Employed Four Quarters After Exit | 75% | 78% | 58% | n/a | n/a | n/a |
| Median Quarterly Earnings Two Quarters After Exit | $13,996 | $10,496 | $4,500 | n/a | n/a | n/a |
| Median % Change in Earnings | 40% | 43% | 72% | n/a | n/a | n/a |
| % of Students Earning a Living Wage | 63% | 62% | n/a | n/a | n/a | n/a |

*Source: Launchboard Pipeline (version available on 10/29/18)*

# Skills, Certifications and Education

**Table 9. Top Skills for Sports Medicine Preparation Occupations in Bay Region (Oct 2017 - Sept 2018)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Skill | Postings | Skill | Postings | Skill | Postings |
| Cardiopulmonary Resuscitation (CPR) | 1,554 | Pilates | 233 | Life Support | 111 |
| Physical Therapy | 1,141 | Automated External Defibrillator | 230 | Health Promotion Programs | 102 |
| Teaching | 912 | Home Health | 226 | Customer Billing | 100 |
| Occupational Therapy | 510 | Product Sales | 205 | Record Keeping | 100 |
| Rehabilitation | 505 | Lifting Ability | 202 | Customer Contact | 99 |
| Customer Service | 489 | Administrative Functions | 183 | Sales | 93 |
| Scheduling | 473 | Patient Treatment | 169 | Training Programs | 90 |
| Fitness | 421 | Exercise Programs | 164 | Faculty Training | 89 |
| Group Fitness | 407 | Physiology | 154 | Laundry | 89 |
| Therapy | 323 | Anatomy | 124 | Data Entry | 86 |
| Treatment Planning | 322 | Cleaning | 124 | Budgeting | 84 |
| Aerobics | 297 | Occupational Health and Safety | 120 | Training Packages | 78 |
| Client Base Retention | 280 | Zumba | 120 | Appointment Setting | 73 |
| Yoga | 266 | Patient/Family Education and Instruction | 119 | Administrative Support | 66 |
| Patient Care | 264 | Music | 112 | Lesson Planning | 63 |

*Source: Burning Glass*

**Table 10. Certifications for Sports Medicine Preparation Occupations in the Bay Region (Oct 2017 - Sept 2018)**

Note: 49% of records have been excluded because they do not include a certification. As a result, the chart below may not be representative of the full sample.

|  |  |  |  |
| --- | --- | --- | --- |
| Certification | Postings | Certification | Postings |
| First Aid Cpr Aed | 910 | American Heart Association Certification | 26 |
| Certified Occupational Therapy Assistant (COTA) | 469 | American Occupational Therapy Association (AOTA) | 26 |
| Group Exercise Instructor | 290 | National Board for Certification in Occupational Therapy (NBCOT) | 18 |
| Driver's License | 170 | Ceu's Certificate | 15 |
| Basic Life Saving (BLS) | 161 | Applied Science | 13 |
| Personal Fitness Trainer Certification | 129 | Licensed Marriage and Family Therapist | 13 |
| Ca License | 110 | Licensed Professional Counselor | 13 |
| American Physical Therapy Association (APTA) Certification | 69 | Board Certified Assistant Behavior Analyst (BCaBA) | 10 |
| AFAA Certification | 56 | Certified Pilates Instructor | 9 |
| Exercise Science | 50 | Security Clearance | 9 |
| Basic Cardiac Life Support Certification | 48 | Social Work License | 9 |
| Water Safety Instructor | 47 | Certified Teacher | 8 |
| Board Certified Behavior Analyst (BCBA) | 45 | IT Infrastructure Library (ITIL) Certification | 8 |
| Nutrition Certification | 42 | Project Management Certification | 8 |
| Registered Behavior Technician | 42 | Certified Fitness Trainer | 7 |

*Source: Burning Glass*

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

Note: 71% of records have been excluded because they do not include a degree level. As a result, the chart below may not be representative of the full sample.

|  |  |
| --- | --- |
| Education (minimum advertised) | Latest 12 Mos. Postings |
| High school or vocational training | 626 (55 %) |
| Associate Degree | 258 (22%) |
| Bachelor’s Degree or Higher | 260 (23%) |

*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

# Contacts

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