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**Athletic Injury Care Program Report**

**For Greater South Bay and Peninsula Region**

**(Santa Clara and San Mateo Counties)**

**November 2014**

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| **Athletic Training/Trainer** |

CIP 2010: A program that prepares individuals to work in consultation with, and under the supervision of physicians to prevent and treat sports injuries and associated conditions. Includes instruction in the identification, evaluation, and treatment of athletic injuries and illnesses; first aid and emergency care; therapeutic exercise; anatomy and physiology; exercise physiology; kinesiology and biomechanics; nutrition; sports psychology; personal and community health; knowledge of various sports and their biomechanical and physiological demands; and applicable professional standards and regulations.

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| **Target Occupations**‡ |
| Athletic Trainers (29-9091) |

‡Based on EMSI crosswalk of the Classification of Instructional Programs (CIP) codes with Standard Occupational Classification (SOC) codes as published by the U.S. Department of Education.

In 2014, the number of athletic injury care (athletic training) jobs in Santa Clara and San Mateo Counties totaled 80. The Bureau of Labor Statistics (BLS) expects the total number of positions to increase by 15.8% over the next three years. Regional openings in 2014, which included created jobs and turnover, totaled 7. Completions in athletic injury care programs totaled 11, with an additional 157 completions from other related programs. Many postsecondary programs are linked to multiple occupations and not all those who complete the programs will enter the target occupations indicated in this report.

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| **Target Occupation Performance** |
| **80\*** | **15.8%\*** | **$25.22/hr** |
| **Jobs (2014)** | **Growth (2014-2017)** | **Median Earnings** |
| National Location Quotient: 0.36† | National: 7.6% | National: $20.52/hr |

 \*Based on total number of jobs for target occupations in Santa Clara and San Mateo Counties.

†Represents occupation density as compared to national average (national average=1).

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| Regional Openings (2014)\*\* | 7 |  |
| Regional Program Completions (2013) | 11 |  |
| All Regional Completions for Target Occupations†† (2013) | 168 |  |

 \*\*Openings include created jobs and turnover.

††Includes all regional programs applicable to target occupations.

**Target Athletic Injury Care Occupations Performance**

| **Target Occupations** | **Regional Openings (2014)** | **Median Hourly Earnings** | **Growth (2014-2017)** |
| --- | --- | --- | --- |
| Athletic Trainers (29-9091) | 7 | $25.22 | 15.8% |

**Regional Breakdown for Athletic Injury Care Occupations**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **County Name** | **2014 Jobs** | **2017 Jobs** | **2014 Annual Openings** | **Median Hourly Earnings** | **2014 National Location Quotient** |
| Santa Clara | 62 | 73 | 6 | $26.46 | 0.38 |
| San Mateo | 18 | 20 | 1 | $21.21 | 0.30 |
| Total | 80 | 93 | 7 | $25.22 |  |

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| **Regional Athletic Injury Care Training Providers** |
| **3** | **11\*** |
| **Institutions** | **Completions (2013)** |

 \*Based on IPEDS data



| **Institution** | **Degrees** | **Certificates** | **Total Completions** |
| --- | --- | --- | --- |
| San Jose State University | 6 | 0 | 6 |
| Foothill College | 3 | 0 | 3 |
| West Valley College | 0 | 2 | 2 |

Other regional programs may train individuals eligible for the targeted athletic injury care (athletic training) occupations, which are based on an occupation-program crosswalk developed by the Department of Education. These additional programs are offered at Canada College, Foothill College, Mission College, San Jose State University, and West Valley College. As noted earlier, many postsecondary programs are linked to multiple occupations and not all those who complete the program will enter the target occupation.

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| **Related Regional Programs Allowing Entry to Athletic Injury Care** |
| **3** | **168** |
| **Programs (2013)** | **Completions (2013)** |

| **Program** | **2009** | **2010** | **2011** | **2012** | **2013** |
| --- | --- | --- | --- | --- | --- |
| Health Services/Allied Health/Health Sciences, General (51.0000) | 99 | 122 | 120 | 137 | 152 |
| Athletic Training/Trainer (51.0913) | 0 | 0 | 2 | 2 | 11 |
| Physical Fitness Technician (31.0507) | 0 | 3 | 12 | 1 | 5 |

**Target Occupations Demographics**

The demographics among those employed in athletic injury care occupations in Santa Clara and San Mateo Counties for 2014 show that nearly two-thirds are men (61%) and that a majority are between the ages of 25-44 (55%). The national breakdown of the education level among those employed in athletic injury care occupations show that 60% have earned a Bachelor’s degree or higher.

**Gender Demographics (Regional)**

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| --- | --- | --- |
| Gender |   |   |
| Male | 61% |  |
| Female | 39% |  |

**Age Demographics (Regional)**

|  |  |  |
| --- | --- | --- |
| Age |   |   |
| 14-18 | 0% |  |
| 19-24 | 9% |  |
| 25-44 | 55% |  |
| 45-64 | 33% |  |
| 65+ | 3% |  |

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| **Educational Attainment (National)** |
| Doctoral or professional degree | 3% |  |
| Master's degree | 20% |  |
| Bachelor's degree | 37% |  |
| Associate's degree | 9% |  |
| Some college, no degree | 19% |  |
| High school diploma or equivalent | 12% |  |
| Less than high school diploma | 2% |  |

**Industries Employing Athletic Injury Care Occupations**

A number of industries in Santa Clara and San Mateo Counties employ those trained in athletic injury care (athletic training) and its related occupations. The following table represents a regional industry breakdown of the number of athletic injury care providers employed, the percentage of athletic injury care jobs employed by industry and the percentage athletic injury care jobs represent within all jobs by each industry. While fitness and recreational sports centers employed 20.9% of all regional athletic injury care providers in 2014, athletic injury care and its related occupations represented only 0.2% of all jobs in that industry.

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| **Inverse Staffing Patterns (Regional)** |
| **Industry** | **Occupation Jobs in Industry (2014)** | **% of Occupation in Industry (2014)** | **% of Total Jobs in Industry (2014)** |
| Fitness and Recreational Sports Centers (713940) | 17 | 20.9% | 0.2% |
| Colleges, Universities, and Professional Schools (611310) | 16 | 20.5% | 0.0% |
| Offices of Physical, Occupational and Speech Therapists, and Audiologists (621340) | <10 | 11.5% | 0.5% |
| General Medical and Surgical Hospitals (622110) | <10 | 7.7% | 0.0% |
| Offices of Physicians (except Mental Health Specialists) (621111) | <10 | 4.9% | 0.0% |

**Compatible Occupations for Athletic Injury Care**

Individuals completing an athletic injury care program share many skills and abilities with other occupations. The Occupational Information Network (O\*Net) identifies compatible occupations based on an analysis of overlapping knowledge, skills and ability. Additional education required for transition can range from short on-site training to advanced post secondary degrees. The following tables show how much education might be needed to be employed in these compatible occupations.

**Top Ten Compatible Occupations for Athletic Injury Care: Associate’s Degree or Less**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Rank | Occupation | Median Hourly Earnings | 2014 Jobs | 2014-2017 Change | 2014-2017 Estimated Annual Openings |
| 1 | Physical Therapist Assistants | $31.20 | 194 | 33 | 12 |
| 2 | Registered Nurses | $62.82 | 19,646 | 1,328 | 638 |
| 3 | Critical Care Nurses | $62.82 | 19,646 | 1,328 | 638 |
| 4 | Occupational Therapy Assistants | $25.22 | 47 | 13 | 4 |
| 5 | Cardiovascular Technologists and Technicians | $28.15 | 211 | 22 | 8 |
| 6 | Clinical Nurse Specialists | $62.82 | 19,646 | 1,328 | 638 |
| 7 | Veterinary Technologists and Technicians | $21.11 | 557 | 41 | 15 |
| 8 | Respiratory Therapy Technicians | $33.59 | 33 | 3 | 1 |
| 9 | Social and Human Service Assistants | $20.09 | 2,250 | 191 | 95 |
| 10 | First-Line Supervisors of Personal Service Workers | $18.33 | 1,138 | 95 | 41 |

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| **Data Sources and Calculations** |

**State Data Sources**

This report uses state data from the following agencies: California Labor Market Information Department

**Institution Data**

The institution data in this report is taken directly from the national IPEDS database published by the U.S. Department of Education's National Center for Education Statistics.

**Completers Data**

The completers data in this report is taken directly from the national IPEDS database published by the U.S. Department of Education's National Center for Education Statistics.

**Occupation Data**

EMSI occupation employment data are based on final EMSI industry data and final EMSI staffing patterns. Wage estimates are based on Occupational Employment Statistics (QCEW and Non-QCEW Employees classes of worker) and the American Community Survey (Self-Employed and Extended Proprietors). Occupational wage estimates also affected by county-level EMSI earnings by industry.

**Staffing Patterns Data**

The staffing pattern data in this report are compiled from several sources using a specialized process. For QCEW and Non-QCEW Employees classes of worker, sources include Occupational Employment Statistics, the National Industry-Occupation Employment Matrix, and the American Community Survey. For the Self-Employed and Extended Proprietors classes of worker, the primary source is the American Community Survey, with a small amount of information from Occupational Employment Statistics.

**Industry Data**

EMSI industry data have various sources depending on the class of worker. (1) For QCEW Employees, EMSI primarily uses the QCEW (Quarterly Census of Employment and Wages), with supplemental estimates from County Business Patterns and Current Employment Statistics. (2) Non-QCEW employees data are based on a number of sources including QCEW, Current Employment Statistics, County Business Patterns, BEA State and Local Personal Income reports, the National Industry-Occupation Employment Matrix (NIOEM), the American Community Survey, and Railroad Retirement Board statistics. (3) Self-Employed and Extended Proprietor classes of worker data are primarily based on the American Community Survey, Nonemployer Statistics, and BEA State and Local Personal Income Reports. Projections for QCEW and Non-QCEW Employees are informed by NIOEM and long-term industry projections published by individual states.