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**Radiologic Technology Program Report
For Greater South Bay and Peninsula Region
(Santa Clara and San Mateo Counties)**

Radiologic Technology/Science - Radiographer

CIP 2010: A program that prepares individuals, under the supervision of physicians, to provide medical imaging services to patients and attending health care professionals. Includes instruction in applied anatomy and physiology, patient positioning, radiographic technique, radiation biology, safety and emergency procedures, equipment operation and maintenance, quality assurance, patient education, and medical imaging/radiologic services management.

Target Occupations*

Radiologic Technologists (29-2034)

In 2012, the number of radiologic technology jobs in Santa Clara and San Mateo Counties totaled 958. The Bureau of Labor Statistics (BLS) expects the total number of positions to increase by 6.8% over the next three years. Regional openings in 2012, which included created jobs and turnover, totaled 62. Completions in radiologic technology programs totaled 36 from three institutions, with an additional 142 completions from other related programs. These other programs are linked to multiple occupations and not all those who complete will enter the target occupations indicated in this report.

Target Occupation Performance*

| | | |
|------------------------------------------------------------------------------------|-------------------------------------------------------------|---------------------------------------------------------------------|
| 958* Jobs (2012) National Location Quotient: 0.52 [†] | 6.8%* Growth (2013-2016) National: 8.2% | \$43.07/hr Median Earnings National: \$26.26/hr |
|------------------------------------------------------------------------------------|-------------------------------------------------------------|---------------------------------------------------------------------|

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

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

| | |
|----------------------------------------------------------------------|-----|
| Regional Openings (2012)** | 62 |
| Regional Program Completions (2012) | 36 |
| All Regional Completions for Target Occupations ^{††} (2012) | 178 |

**Openings include created jobs and turnover.

^{††}Includes all regional programs applicable to target occupations.

Radiologic Technology Occupation Performance

| Target Occupations | Regional Openings (2012) | Average Hourly Earnings | Growth (2013-2016) |
|------------------------------------|--------------------------|-------------------------|--------------------|
| Radiologic Technologists (29-2034) | 62 | \$42.13 | 6.8% |

Regional Breakdown for Radiologic Technology

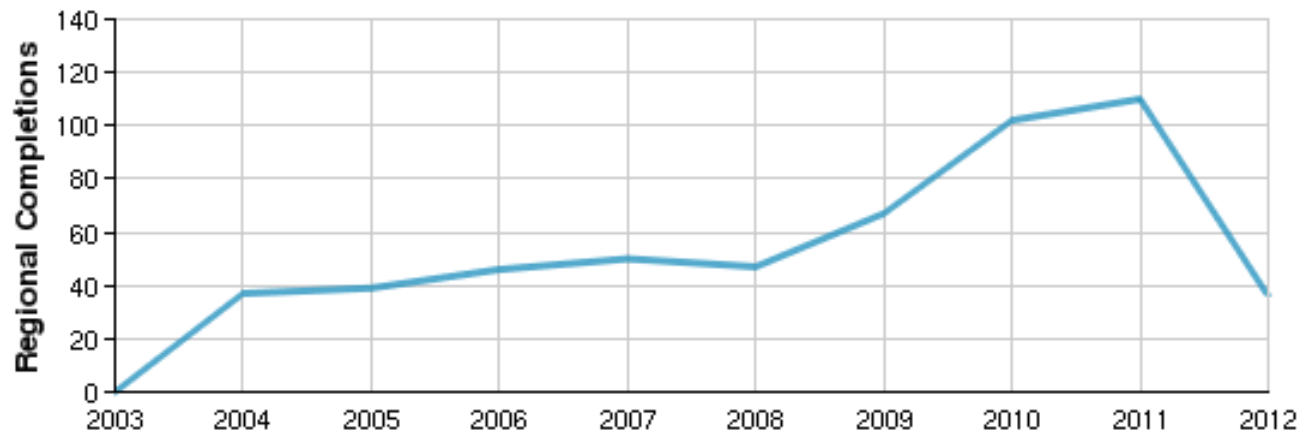
| County Name | 2013 Jobs | 2016 Jobs | 2013 Annual Openings | Median Hourly Earnings | 2013 National Location Quotient |
|-------------|-----------|-----------|----------------------|------------------------|---------------------------------|
| Santa Clara | 707 | 762 | 31 | \$42.05 | 0.51 |
| San Mateo | 297 | 311 | 9 | \$45.59 | 0.58 |
| Total | 1,004 | 1,073 | 40 | \$43.07 | |

Regional Radiologic Technology Training Providers

3
Institutions

36*
Completions (2012)

*Based on IPEDS data.



| Institution | Degrees | Certificates | Total Completions |
|---------------------------------|---------|--------------|-------------------|
| Foothill College | 27 | 0 | 27 |
| Canada College | 6 | 0 | 6 |
| Gurnick Academy of Medical Arts | 0 | 3 | 3 |

Other regional programs may train individuals eligible for the targeted radiologic technology occupations, which are based on an occupation-program crosswalk developed by the Department of Education. These additional programs are offered at Gurnick Academy of Medical Arts and San Jose State University. As noted earlier, many postsecondary programs are linked to multiple occupations and not all those who complete the program will enter the target occupation.



San Mateo/ Santa Clara | Educational Programs for Radiologic Technologists (29-2034)

| | 3 | | 178 | | |
|-----------------------------------------------------------------------|-----------------|------|--------------------|------|------|
| | Programs (2012) | | Completions (2012) | | |
| Program | 2008 | 2009 | 2010 | 2011 | 2012 |
| Health Services/Allied Health/Health Sciences, General (51.0000) | 79 | 99 | 122 | 120 | 137 |
| Magnetic Resonance Imaging (MRI) Technology/Technician (51.0920) | 0 | 0 | 3 | 4 | 5 |
| Medical Radiologic Technology/Science - Radiation Therapist (51.0907) | 13 | 7 | 0 | 0 | 0 |









Target Occupation Demographics

The demographics among those employed in radiologic technology occupations in Santa Clara and San Mateo Counties for 2013 show that over two-thirds are women (69.2%) and over three-fourths are between the ages of 25-54 (79.7%). The national breakdown of the education level among those employed in radiologic technology occupations show that 67% have earned an Associate's degree or have completed some college.








Gender Demographics (Regional)

| Gender | Jobs (2013) | % of Total | |
|--------|-------------|------------|-------------------------------------------------------------------------------------|
| Male | 310 | 30.8% |  |
| Female | 694 | 69.2% |  |

Age Demographics (Regional)

| Age | Jobs (2013) | % of Total | |
|-------------|-------------|------------|---------------------------------------------------------------------------------------|
| 14-18 Years | 0 | 0.0% |  |
| 19-21 Years | <10 | 0.5% |  |
| 22-24 Years | 27 | 2.7% |  |
| 25-34 Years | 260 | 25.9% |  |
| 35-44 Years | 283 | 28.2% |  |
| 45-54 Years | 257 | 25.6% |  |
| 55-64 Years | 150 | 14.9% |  |
| 65+ Years | 22 | 2.2% |  |

Educational Attainment (National)

| | | |
|-----------------------------------|-----|---------------------------------------------------------------------------------------|
| Doctoral or professional degree | 2% |  |
| Master's degree | 2% |  |
| Bachelor's degree | 19% |  |
| Associate's degree | 45% |  |
| Some college, no degree | 22% |  |
| High school diploma or equivalent | 9% |  |
| Less than high school diploma | 1% |  |

Industries Employing Radiologic Technology Occupation

A number of industries in Santa Clara and San Mateo Counties employ those trained in radiologic technology. The following table represents a regional industry breakdown of the number of radiologic technicians employed, the percentage of radiologic technology jobs employed by industry and the percentage radiologic technology jobs represent within all jobs by each industry. While private general medical and surgical hospitals employed 42.2% of all regional radiologic technicians in 2013, radiologic technicians made up 1.6% of the total jobs in that industry.

Inverse Staffing Patterns (Regional)

| Top Five Industries | Occupation Jobs in Industry (2013) | % of Occupation in Industry (2013) | % of Total Jobs in Industry (2013) |
|-------------------------------------------------------------------|---------------------------------------------|---------------------------------------------|---------------------------------------------|
| General Medical and Surgical Hospitals (Private) (622110) | 423 | 42.2% | 1.6% |
| Offices of Physicians (except Mental Health Specialists) (621111) | 165 | 16.4% | 1.2% |
| Hospitals (Local Government) (903622) | 108 | 10.8% | 1.6% |
| HMO Medical Centers (621491) | 89 | 8.8% | 1.1% |
| Medical Laboratories (621511) | 80 | 8.0% | 4.4% |

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.