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Respiratory Therapy Program Report
For Greater South Bay and Peninsula Region
(Santa Clara and San Mateo Counties)

Respiratory Care Therapy/Therapist

CIP 2010: A program that prepares individuals, under the supervision of physicians, to assist in developing respiratory care plans, administer respiratory care procedures, supervise personnel and equipment operation, maintain records, and consult with other health care team members. Includes instruction in the applied basic biomedical sciences; anatomy, physiology, and pathology of the respiratory system; clinical medicine; therapeutic procedures; clinical expressions; data collection and record-keeping; patient communication; equipment operation and maintenance; personnel supervision; and procedures for special population groups.

Target Occupations

Respiratory Therapists (29-1126)

Respiratory Therapy Technicians (29-2054)

In 2012, the number of respiratory therapy (respiratory care therapy/therapist) jobs in Santa Clara and San Mateo Counties totaled 903. The Bureau of Labor Statistics (BLS) expects the total number of positions to increase by 2.5% over the next three years. Regional openings in 2012, which included created jobs and turnover, totaled 37. Completions in respiratory therapy programs totaled 50 from two institutions, with an additional 137 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

903*	2.5%*	$42.77/hr
Jobs (2012)	**Growth (2013-2016)**	**Median Earnings**
National Location Quotient: 0.73†	National: 7.3%	National: $26.41/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)**	37
Regional Program Completions (2012)	50
All Regional Completions for Target Occupations†† (2012)	187

**Openings include created jobs and turnover.
†† Includes all regional programs applicable to target occupations.

Respiratory Therapy Occupation Performance

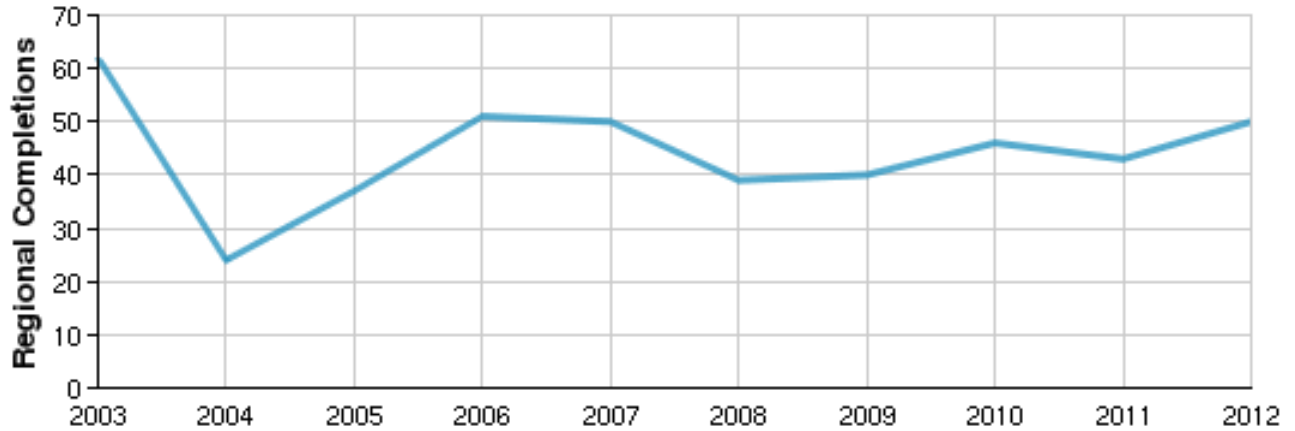| Target Occupations	Regional Openings (2012)	Average Hourly Earnings	Growth (2013-2016)
Respiratory Therapists (29-1126)	35	$43.49	2.7%
Respiratory Therapy Technicians (29-2054)	1	$21.64	(1.4%)

Regional Breakdown for Respiratory Care Therapy

County Name	2013 Jobs	2016 Jobs	2013 Annual Openings	Median Hourly Earnings	2013 National Location Quotient
Santa Clara	618	638	18	$41.94	0.67
San Mateo	303	306	6	$44.42	0.87
Total	921	944	25	$42.77	

Regional Respiratory Therapy Training Providers

2	50*
Institutions	**Completions (2012)**

*Based on IPEDS data.

Institution	Degrees	Certificates	Total Completions
Foothill College	29	0	29
Skyline College	21	0	21

Other regional programs may train individuals eligible for respiratory therapy occupations, which are based on an occupation-program crosswalk developed by the Department of Education. These additional programs are offered at San Jose State University and Skyline 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.

Related Regional Educational Programs Allowing Entry to Respiratory Therapy

2	187
Programs (2012)	**Completions (2012)**

Program	2008	2009	2010	2011	2012
Health Services/Allied Health/Health Sciences, General (51.0000)	79	99	122	120	137
Respiratory Care Therapy/Therapist (51.0908)	39	40	46	43	50

Target Occupation Demographics

The demographics among those employed in respiratory care therapy occupations in Santa Clara and San Mateo Counties for 2013 show over half are women (61.9%) and three-fourths are between the ages of 25-54 (79.7%). The national breakdown of the education level among those employed in respiratory care therapy occupations show that 69% have earned an Associate's degree or have completed some college.

Gender Demographics (Regional)

Gender	Jobs (2013)	% of Total	
Male	351	38.1%	
Female	570	61.9%	

Age Demographics (Regional)

Age	Jobs (2013)	% of Total	
14-18 Years	0	0.0%	
19-21 Years	<10	0.3%	
22-24 Years	15	1.7%	
25-34 Years	216	23.5%	
35-44 Years	261	28.4%	
45-54 Years	256	27.8%	
55-64 Years	153	16.6%	
65+ Years	16	1.8%	

Educational Attainment (National)

Doctoral or professional degree	2%	
Master's degree	3%	
Bachelor's degree	24%	
Associate's degree	56%	
Some college, no degree	13%	
High school diploma or equivalent	2%	
Less than high school diploma	0%	

Industries Employing Respiratory Therapy Occupations

A number of industries in Santa Clara and San Mateo Counties employ those trained in respiratory care therapy. The following table represents a regional industry breakdown of the number of respiratory therapists employed, the percentage of respiratory therapists employed by industry and the percentage respiratory therapist jobs represent within all jobs by each industry. While private medical and surgical hospitals employed 54.3% of all respiratory therapists in 2013, respiratory care therapists represent only 2.0% of the total jobs in that industry.

Inverse Staffing Patterns (Regional)

Industry	Occupation Group Jobs in Industry (2013)	% of Occupation Group in Industry (2013)	% of Total Jobs in Industry (2013)
General Medical and Surgical Hospitals (Private) (622110)	500	54.3%	2.0%
Hospitals (Local Government) (903622)	125	13.6%	1.9%
Specialty (except Psychiatric and Substance Abuse) Hospitals (Private) (622310)	58	6.3%	4.9%
HMO Medical Centers (621491)	29	3.1%	0.3%
Temporary Help Services (561320)	27	3.0%	0.1%

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.