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

Pharmacy Technician/Assistant

CIP 2010: A program that prepares individuals, under the supervision of pharmacists, to prepare medications, provide medications and related assistance to patients, and manage pharmacy clinical and business operations. Includes instruction in medical and pharmaceutical terminology, principles of pharmacology and pharmaceuticals, drug identification, pharmacy laboratory procedures, prescription interpretation, patient communication and education, safety procedures, record-keeping, measurement and testing techniques, pharmacy business operations, prescription preparation, logistics and dispensing operations, and applicable standards and regulations.

Target Occupations

Pharmacy Technicians (29-2052)

Pharmacy Aides (31-9095)

In 2012, the number of pharmacy technology (pharmacy technician/assistant) jobs in Santa Clara and San Mateo counties totaled 2,364. The Bureau of Labor Statistics (BLS) expects the total number of positions to increase by 2.9% over the next three years. Regional openings in 2012, which included created jobs and turnover, totaled 41. Completions in pharmacy technology programs totaled 125 from four 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

2,364* Jobs (2012) National Location Quotient: 0.63 [†]	2.9%* Growth (2013-2016) National: 6.6%	\$19.76/hr Median Earnings National: \$13.71/hr
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*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)**	41
Regional Program Completions (2012)	125
All Regional Completions for Target Occupations ^{††} (2012)	262

**Openings includes created jobs and turnover.

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

Pharmacy Technology Occupation Performance

Target Occupations	Regional Openings (2012)	Average Hourly Earnings	Growth (2013-2016)
Pharmacy Technicians (29-2052)	33	\$22.35	4.1%
Pharmacy Aides (31-9095)	9	\$13.63	-0.8%

Regional Breakdown for Pharmacy Technology

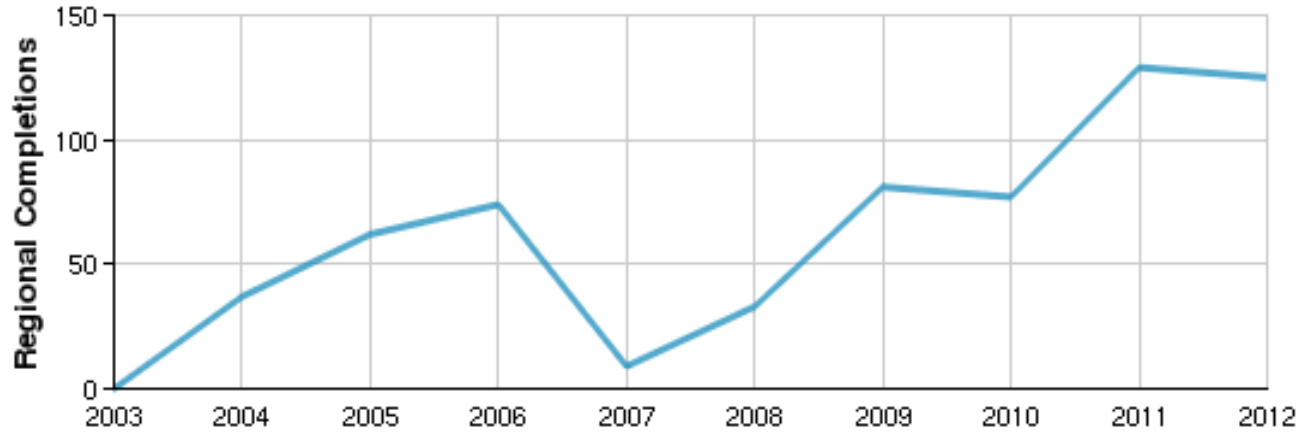
County Name	2013 Jobs	2016 Jobs	2013 Annual Openings	Median Hourly Earnings	2013 National Location Quotient
Santa Clara	1,764	1,816	47	\$20.72	0.63
San Mateo	574	591	16	\$16.75	0.54
Total	2,338	2,406	63	\$19.76	

Regional Pharmacy Technology Training Providers

4
Institutions

125*
Completions (2012)

*Based on IPEDS data.



Institution	Degrees	Certificates	Total Completions
Heald College-San Jose	47	0	47
BioHealth College	0	44	44
Foothill College	17	1	18
Carrington College California-San Jose	16	0	16

Target Occupations Demographics

The demographics among those employed in pharmacy technology occupations in Santa Clara and San Mateo counties for 2013 show that most are women (73.6%) and over half are between the ages of 25-44 (52.7%). The national breakdown of the education level among those employed in pharmacy technology occupations show that 54% have earned an Associate's degree or have completed some college.

Gender Demographics (Regional)

Gender	Jobs (2013)	% of Total	
Male	616	26.4%	
Female	1,722	73.6%	

Age Demographics (Regional)

Age	Jobs (2013)	% of Total	
14-18 Years	<10	0.2%	
19-21 Years	121	5.2%	
22-24 Years	289	12.3%	
25-34 Years	748	32.0%	
35-44 Years	484	20.7%	
45-54 Years	412	17.6%	
55-64 Years	225	9.6%	
65+ Years	55	2.3%	

Educational Attainment (National)

Doctoral or professional degree	1%	
Master's degree	1%	
Bachelor's degree	14%	
Associate's degree	19%	
Some college, no degree	35%	
High school diploma or equivalent	28%	
Less than high school diploma	3%	

Industries Employing Pharmacy Technology Occupations

A number of industries in Santa Clara and San Mateo counties employ those trained in pharmacy technology. The following table represents a regional industry breakdown of the number of pharmacy technology employed, the percentage of pharmacy technology jobs employed by industry and the percentage pharmacy technology jobs represent within all jobs by each industry. While pharmacies and drug stores employed 55.6% of all regional pharmacy technician/assistants in 2013, pharmacy technician/assistants made up almost a third of the total jobs in that industry (30.1%).

Inverse Staffing Patterns (Regional)

Industry	Occupation Group Jobs in Industry (2013)	% of Occupation Group in Industry (2013)	% of Total Jobs in Industry (2013)
Pharmacies and Drug Stores (446110)	1,299	55.6%	30.1%
Supermarkets and Other Grocery (except Convenience) Stores (445110)	265	11.3%	1.3%
General Medical and Surgical Hospitals (Private) (622110)	200	8.5%	0.8%
Warehouse Clubs and Supercenters (452910)	100	4.3%	1.2%
Department Stores (except Discount Department Stores) (452111)	57	2.4%	1.0%

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.