



12345 El Monte Road
Los Altos Hills, California 94022
650.949.7777

**Primary Care Associate Program Report
For Greater South Bay and Peninsula Region
(Santa Clara and San Mateo Counties)**

Physician Assistant

CIP 2010: A program that prepares individuals to practice medicine, including diagnoses and treatment therapies, under the supervision of a physician. Includes instruction in the basic medical and clinical sciences and specialized preparation in fields such as family medicine, pediatrics, obstetrics, gynecology, general surgery, psychiatry, and behavioral medicine; the delivery of health care services to homebound patients, rural populations, and underserved populations; and community health services.

Target Occupations[‡]

Physician Assistants (29-1071)

[‡]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 2012, the number of primary care associate (physician assistant) jobs in the target occupations in Santa Clara and San Mateo Counties totaled 534. The Bureau of Labor Statistics (BLS) expects the total number of positions to increase by 7.7% over the next three years. Regional openings in 2012, which included created jobs and turnover, totaled 22. Completions in primary care associate programs totaled 41, with an additional 323 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

534* Jobs (2012) National Location Quotient: 0.67 [†]	7.7%* Growth (2013-2016) National: 8.2%	\$51.46/hr Median Earnings National: \$43.72/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)**	22
Regional Program Completions (2012)	41
All Regional Completions for Target Occupations ^{††} (2012)	364

**Openings include created jobs and turnover.

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

Primary Care Associate Occupation Performance

Target Occupations	Regional Openings (2012)	Average Hourly Earnings	Growth (2013-2016)
Physician Assistants (29-1071)	22	\$50.51	7.7%

Regional Breakdown for Primary Care Associate Occupation

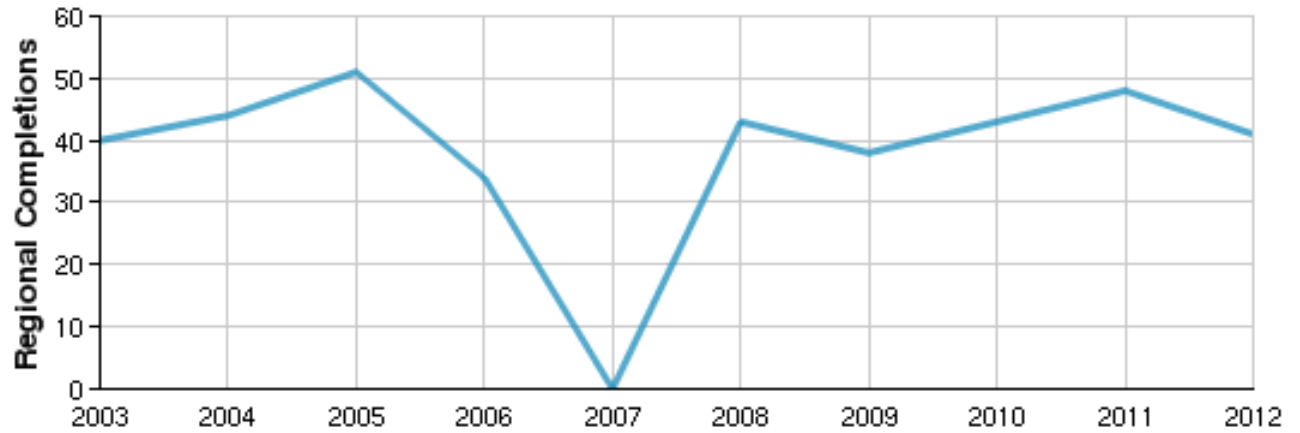
County Name	2013 Jobs	2016 Jobs	2013 Annual Openings	Median Hourly Earnings	2013 National Location Quotient
Santa Clara	409	442	21	\$50.28	0.68
San Mateo	137	147	6	\$54.97	0.61
Total	546	588	27	\$51.46	

Regional Primary Care Associate Training Providers

1
Institutions

41*
Completions (2012)

*Based on IPEDS data.



Institution	Degrees	Certificates	Total Completions
Foothill College	0	41	41

Other regional programs may train individuals eligible for the targeted primary care associate occupation, which is based on an occupation-program crosswalk developed by the Department of Education. These additional programs are offered at San Jose State University, Skyline College, Gavilan College, College of San Mateo and Canada 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 Programs Allowing Entry to Primary Care Associate Occupations

3 Programs (2012)	364 Completions (2012)
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Program	2008	2009	2010	2011	2012
Health/Medical Preparatory Programs, Other (51.1199)	65	82	97	148	186
Health Services/Allied Health/Health Sciences, General (51.0000)	79	99	122	120	137
Pre-Medicine/Pre-Medical Studies (51.1102)	0	0	0	0	0

Target Occupation Demographics

The demographics among those employed in primary care associate occupations in Santa Clara and San Mateo Counties for 2013 show that more than half are women (64.1%) and over four-fifths are between the ages of 25-54 (82.8%). The national breakdown of the education level among those employed in primary care associate occupations show that 70% have earned a Bachelor's degree or above.

Gender Demographics (Regional)

Gender	Jobs (2013)	% of Total	
Female	350	64.1%	
Male	196	35.9%	

Age Demographics (Regional)

Age	Jobs (2013)	% of Total	
14-18 Years	0	0.0%	
19-21 Years	<10	0.5%	
22-24 Years	14	2.6%	
25-34 Years	181	33.1%	
35-44 Years	150	27.6%	
45-54 Years	121	22.1%	
55-64 Years	67	12.2%	
65+ Years	11	1.9%	

Educational Attainment (National)

Doctoral or professional degree	12%	
Master's degree	26%	
Bachelor's degree	32%	
Associate's degree	14%	
Some college, no degree	10%	
High school diploma or equivalent	6%	
Less than high school diploma	1%	

Industries Employing Primary Care Associates

A number of industries in Santa Clara and San Mateo Counties employ those trained as primary care associates. The following table represents a regional industry breakdown of the number of primary care associates employed, the percentage of primary care associates employed by industry and the percentage primary care associates represent within all jobs by each industry. While physician offices (except mental health specialists) employed 45.2% of all regional primary care associate positions in 2013, this target occupation only makes up 1.8% 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)
Offices of Physicians (except Mental Health Specialists) (621111)	247	45.2%	1.8%
HMO Medical Centers (621491)	92	16.8%	1.1%
General Medical and Surgical Hospitals (Private) (622110)	80	14.6%	0.3%
Hospitals (Local Government) (903622)	18	3.3%	0.3%
Temporary Help Services (561320)	16	2.9%	0.1%

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.