



# **Primary Care Associate**

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

September 2016

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## Physician Assistant

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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<sup>‡</sup>

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Physician Assistants (29-1071)

<sup>‡</sup>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 2016, the number of Primary Care Associate jobs in the target occupations in Santa Clara and San Mateo Counties totaled 751. The Bureau of Labor Statistics (BLS) expects the total number of positions to increase by almost 13% over the next three years.

## Occupation Summary for Primary Care Associates

<b>751</b> <b>Jobs (2016)<sup>1</sup></b> 30% below National average <sup>2</sup>	<b>12.6%</b> <b>% Change (2016-2019)<sup>3</sup></b> Nation: 9.5%	<b>\$59.99/hr</b> <b>Median Hourly Earnings</b> Nation: \$48.20/hr
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<sup>1</sup>Based on total number of jobs for target occupations in Santa Clara and San Mateo Counties.

<sup>2</sup>Represents occupation density as compared to national average (national average=1).

<sup>3</sup>Based on turnover and new jobs.

Target occupations that are mapped to the Primary Care Associate program are disaggregated to see which occupations are projected to see the highest number of annual openings (Physician Assistants), highest percentage rate of growth over the next three years (Physician Assistants), and the highest median hourly earnings (Physician Assistants). While Physician Assistants are expected to experience job growth (13%), these occupations are less represented and concentrated in our region (Santa Clara and San Mateo Counties) compared to the national average.

## Target Occupations

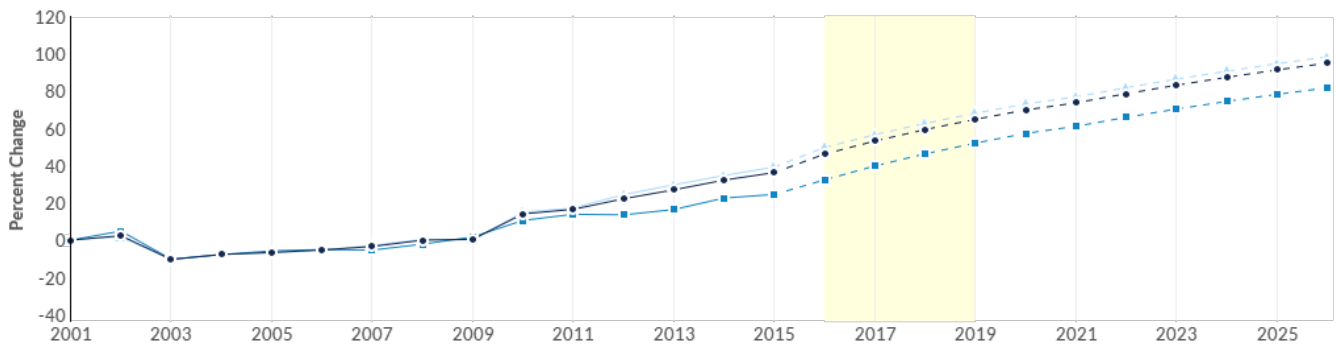
Occupation	2016 Jobs	Annual Openings	Median Hourly Earnings	Growth (2016 - 2019)	Location Quotient (2016)
Physician Assistants	751	51	\$59.99/hr	12.65%	0.70

Growth in the Primary Care Associate occupations show how the occupation is projected to increase in jobs over the next three years. High job growth is expected over the next three years for Physician Assistants (13%).

### Growth for Physician Assistants (SOC 29-1071)

<b>751</b> 2016 Jobs	<b>846</b> 2019 Jobs	<b>95</b> Change (2016-2019)	<b>12.6%</b> % Change (2016-2019)
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### Regional Trends

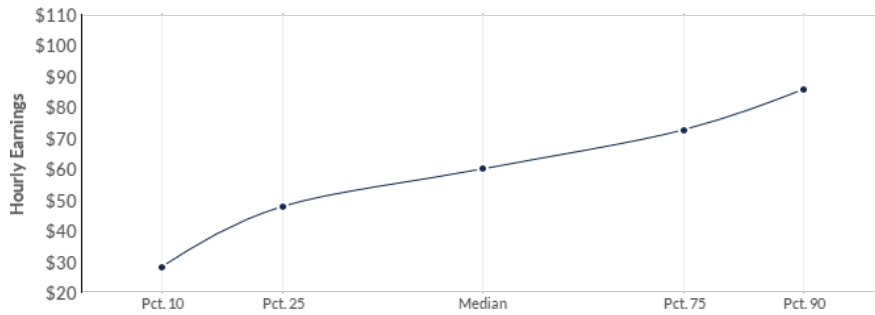


	Region	2016 Jobs	2019 Jobs	Change	% Change
●	Region	751	846	95	12.6%
●	San Mateo County, CA	138	159	21	15.2%
●	Santa Clara County, CA	613	688	75	12.2%

The percentile earnings table shows the range the Primary Care Associate occupations earn in the region. While the median earnings are almost \$60/hour, wages can range from below \$47/hour to above \$72/hour.

### Percentile Earnings for Physician Assistants (SOC 29-1071)

<b>\$47.79/hr</b> 25th Percentile Earnings	<b>\$59.99/hr</b> Median Earnings	<b>\$72.63/hr</b> 75th Percentile Earnings
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## Program Completion Data

Program data reviews completion information about awards by institution and types of awards conferred in the region (Santa Clara and San Mateo Counties). Foothill College is the one of two regional institutions that is supporting and preparing for Primary Care Associate occupations.


### Program Summary for Physician Assistant

<b>2</b>	<b>95</b>	<b>68</b>
Regional Institutions	Regional Program Completions (2015)	Annual Openings (2015)
had Completions in the last 13 years	Foothill College Completions: 77	

### Regional Completions by Institution

Institution	Certificates (2015)	Degrees (2015)	Total Completions (2015)
Foothill College	36	41	77
College of San Mateo	0	18	18

### Regional Completions by Award Level

Award Level	Completions (2015)	Percent
Associates degree	59	62.1% 
Award of at least 2 but less than 4 academic years	36	37.9% 

## Target Occupations Demographics

The demographics among those employed in Primary Care Associate occupations in Santa Clara and San Mateo Counties for 2016 show that a majority are female (63%) and more than half are between the ages of 25-44 (63%) and almost a half are White (45%).






### Occupation Gender Breakdown

Gender	2016 Jobs	2016 Percent
Males	277	36.9% 
Females	473	63.1% 

### Occupation Age Breakdown

Age	2016 Jobs	2016 Percent
14-18	0	0.0%
19-24	20	2.7% 
25-34	250	33.3% 
35-44	225	29.9% 
45-54	140	18.7% 
55-64	93	12.4% 
65+	22	2.9% 

### Occupation Race/Ethnicity Breakdown

Race/Ethnicity	2016 Jobs	2016 Percent
White	338	45.0% 
Asian	235	31.3% 
Hispanic or Latino	132	17.6% 
Black or African American	26	3.4% 
Two or More Races	16	2.1% 
Native Hawaiian or Other Pacific Islander	2	0.3%
American Indian or Alaska Native	2	0.2%

## Industries Employing Primary Care Associate Occupations

A number of industries in Santa Clara and San Mateo Counties employ those trained in Primary Care Associate and its related occupations. The following table represents a regional industry breakdown of the number of Primary Care Associate positions employed, the percentage of Primary Care Associate employed by industry and the percentage Primary Care Associate jobs represent within all jobs by each industry. While physician offices employed 44% of all regional Primary Care Associate positions in 2016, physician assistants compose a minority of all jobs in that industry (<1%).

## Industries Employing Physician Assistants

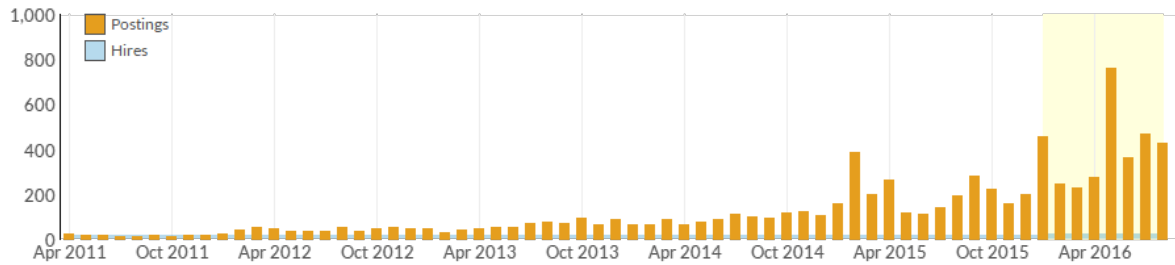
Industry	Occupation Jobs in Industry (2016)	% of Occupation in Industry (2016)	% of Total Jobs in Industry (2016)
Offices of Physicians (except Mental Health Specialists)	333	44.4%	2.0%
General Medical and Surgical Hospitals	127	16.9%	0.4%
HMO Medical Centers	115	15.4%	1.3%
Hospitals (Local Government)	30	3.9%	0.4%
Temporary Help Services	20	2.7%	0.1%



In an average month, there were 403 unique (internet) job postings for Primary Care Associate jobs, and 22 actually hired from January 2016 to August 2016. This means there was approximately 1 hire for every 15 unique (internet) job postings for occupations in Primary Care Associate.

## Job Postings vs. Hires

<b>403</b>	<b>22</b>
<b>Avg. Monthly Postings (Jan 2016 - Aug 2016)</b>	<b>Avg. Monthly Hires (Jan 2016 - Aug 2016)</b>



Occupation	Avg Monthly Postings (Jan 2016 - Aug 2016)	Avg Monthly Hires (Jan 2016 - Aug 2016)
Physician Assistants	403	22

The top five concentrated hard and soft skills employers list in Primary Care Associate job posting descriptions are listed below. The “Postings with Skill” column is the total amount of (internet) job postings that mention the skills listed below. These numbers may be higher than the average monthly postings from above, because this number includes duplicated (internet) job postings. The “Concentration Score” gauge relevance of the skill by indicating the frequency in which this skill is being mentioned in (internet) job postings for Primary Care Associate compared to all other (internet) job postings.

## Concentrated Hard Skills

Skill	Concentration Score	Postings with Skill
Hospital Admissions	378.05	559
Muscle Biopsies	65.57	7
Prostacyclin	57.81	12
Cancer Treatments	51.41	25
Health Maintenance	51.19	621

## Concentrated Soft Skills

Skill	Concentration Score	Postings with Skill
Leading	0.82	813
Scheduling (Project Management)	0.17	1,030
Ethics	0.02	98
Mental Health	0.02	34
Active Listening	0.01	7

# Appendix A - Data Sources and Calculations

## Location Quotient

Location quotient (LQ) is a way of quantifying how concentrated a particular industry, cluster, occupation, or demographic group is in a region as compared to the nation. It can reveal what makes a particular region unique in comparison to the national average.

## 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.

## 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.

## 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.

## CareerBuilder/Emsi Job Postings

Job postings are collected from various sources and processed/enriched by Careerbuilder to provide information such as standardized company name, occupation, skills, and geography. Emsi performs additional filtering and processing to improve compatibility with Emsi data.

## State Data Sources

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