FOOTHILL COLLEGE

Dental Assisting

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

September 2016

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Dental Assisting/Assistant

CIP 2010: A program that prepares individuals to provide patient care, take dental radiographs (x-ray photographs), prepare patients and equipment for dental procedures, and discharge office administrative functions under the supervision of dentists and dental hygienists. Includes instruction in medical record-keeping, general office duties, reception and patient intake, scheduling, equipment maintenance and sterilization, basic radiography, pre- and post-operative patient care and instruction, chairside assisting, taking tooth and mouth impressions, and supervised practice.

Target Occupations‡

Dental Assistants (31-9091)

‡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 Dental Assisting/Assistant jobs in the target occupations in Santa Clara and San Mateo Counties totaled 4,647. The Bureau of Labor Statistics (BLS) expects the total number of positions to increase by about 4% over the next three years.

Occupation Summary for Dental Assisting/Assistants

4,647	4.3%	$23.89/hr
Jobs (2016)[1]	**% Change (2016-2019)[3]**	**Median Hourly Earnings**
34% above National average[2]	Nation: 5.8%	Nation: $17.66/hr

[1]Based on total number of jobs for target occupations in Santa Clara and San Mateo Counties.
[2]Represents occupation density as compared to national average (national average=1).
[3]Based on turnover and new jobs.

Target occupations that are mapped to the Dental Assisting/Assistant program are disaggregated to see which occupations are projected to see the highest number of annual openings (Dental Assistants), highest percentage rate of growth over the next three years (Dental Assistants), and the highest median hourly earnings (Dental Assistants). While Dental Assistants are expected to experience job growth (4%), these occupations are more represented and concentrated in our region (Santa Clara and San Mateo Counties) compared to the national average.
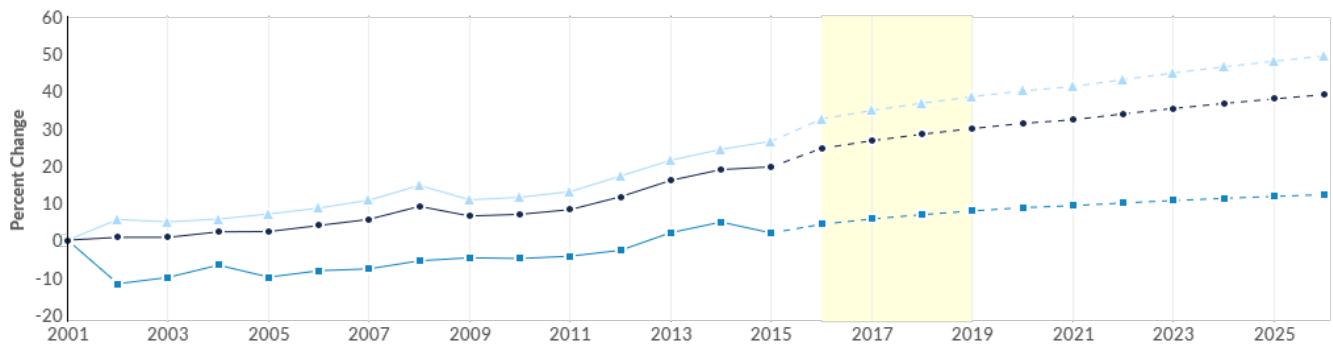
Target Occupations

Occupation	2016 Jobs	Annual Openings	Median Hourly Earnings	Growth (2016 - 2019)	Location Quotient (2016)
Dental Assistants	4,647	184	$23.89/hr	4.26%	1.34

Growth in the Dental Assisting/Assistant occupations show how each occupation is projected to increase in jobs over the next three years. A growth of about 4% is expected in the next three years for Dental Assistants.

Growth for Dental Assistants (SOC 31-9091)

4,647	4,845	198	4.3%
2016 Jobs	2019 Jobs	Change (2016-2019)	% Change (2016-2019)

Regional Trends

	Region	2016 Jobs	2019 Jobs	Change	% Change
●	Region	4,647	4,845	198	4.3%
●	San Mateo County, CA	1,083	1,120	37	3.4%
●	Santa Clara County, CA	3,564	3,724	160	4.5%

The percentile earnings table shows the range the Dental Assisting/Assistant occupations earn in the region. While the median earnings are almost $24/hour, wages can range from below $17/hour to above $27/hour.

Percentile Earnings for Dental Assistants (SOC 31-9091)

$17.52/hr	$23.89/hr	$27.54/hr
25th Percentile Earnings	**Median Earnings**	**75th Percentile Earnings**
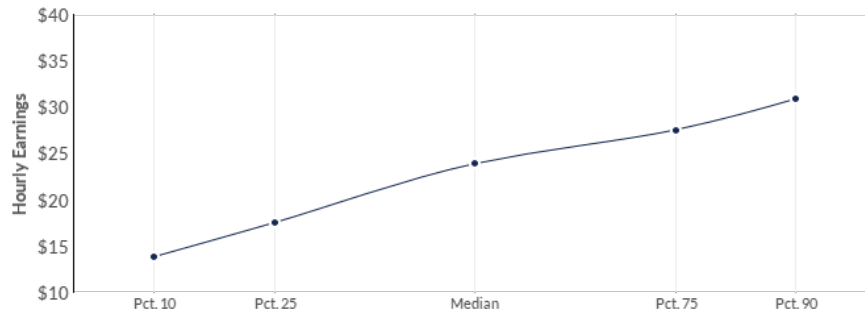
Program Completion Data

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 five regional institutions that is supporting and preparing for Dental Assisting/Assistant occupations.

Program Summary for Dental Assisting/Assistant

5	205	300
Regional Institutions	**Regional Program Completions (2015)**	**Annual Openings (2015)**
had Completions in the last 13 years	Foothill Completions: 24	

Regional Completions by Institution

Institution	Certificates (2015)	Degrees (2015)	Total Completions (2015)
Carrington College-San Jose	73	30	103
San Jose City College	43	11	54
College of San Mateo	19	5	24
Foothill College	10	14	24
Everest College-San Jose	0	0	0

Regional Completions by Award Level

Award Level	Completions (2015)	Percent	
Award of less than 1 academic year	10	4.9%	▪
Award of at least 1 but less than 2 academic years	135	65.9%	▬▬▬▬
Associates degree	60	29.3%	▬▬

Target Occupations Demographics

The demographics among those employed in Dental Assisting/Assistant occupations in Santa Clara and San Mateo Counties for 2016 show that are a majority of females (92%) and about a third are between the ages of 25-34 (31%) and about a third are Asian (33%), White (32%), or Hispanic/Latino (31%).

Occupation Gender Breakdown

Gender	2016 Jobs	2016 Percent	
Males	372	8.0%	▬
Females	4,275	92.0%	▬▬▬▬▬

Occupation Age Breakdown

Age	2016 Jobs	2016 Percent	
14-18	34	0.7%	|
19-24	528	11.4%	▬
25-34	1,425	30.7%	▬▬
35-44	1,294	27.8%	▬▬
45-54	931	20.0%	▬▬
55-64	369	7.9%	▬
65+	66	1.4%	|

Occupation Race/Ethnicity Breakdown

Race/Ethnicity	2016 Jobs	2016 Percent	
Asian	1,538	33.1%	▬▬
White	1,476	31.8%	▬▬
Hispanic or Latino	1,427	30.7%	▬▬
Black or African American	100	2.1%	|
Two or More Races	72	1.5%	|
American Indian or Alaska Native	18	0.4%	|
Native Hawaiian or Other Pacific Islander	17	0.4%	|

Industries Employing Dental Assisting/Assistant Occupations

A number of industries in Santa Clara and San Mateo Counties employ those trained in Dental Assisting/Assistant and its related occupations. The following table represents a regional industry breakdown of the number of Dental Assisting/Assistant positions employed, the percentage of Dental Assisting/Assistant employed by industry and the Dental Assisting/Assistant jobs represent within all jobs by each industry. While Offices of Dentists employed 93% of all regional Dental Assisting/Assistant positions in 2016, Dental Assistants composed only 34% of jobs in that industry.

Industries Employing Dental Assistants

Industry	Occupation Jobs in Industry (2016)	% of Occupation in Industry (2016)	% of Total Jobs in Industry (2016)
Offices of Dentists	4,318	92.9%	33.6%
Colleges, Universities, and Professional Schools	77	1.7%	0.2%
HMO Medical Centers	62	1.3%	0.7%
Offices of Physicians (except Mental Health Specialists)	41	0.9%	0.2%
Temporary Help Services	29	0.6%	0.1%

In an average month, there were 33 unique (internet) job postings for Dental Assisting/Assistant jobs, and 243 actually hired from January 2016 to August 2016. This means there was approximately 7 hires for every 1 unique (internet) job posting for occupations in Dental Assisting/Assistant.

Job Postings vs. Hires

33	243
Avg. Monthly Postings (Jan 2016 - Aug 2016)	**Avg. Monthly Hires (Jan 2016 - Aug 2016)**
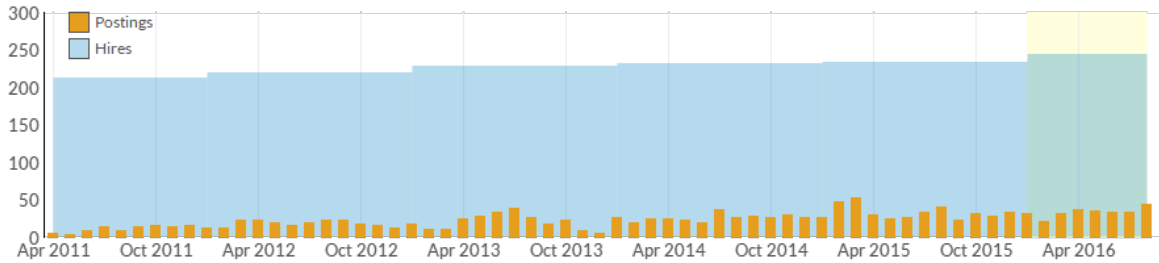
Occupation	Avg Monthly Postings (Jan 2016 - Aug 2016)	Avg Monthly Hires (Jan 2016 - Aug 2016)
Dental Assistants	33	243

The top five concentrated hard and soft skills employers list in Dental Assistant 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 Dental Assistant compared to all other (internet) job postings.

Concentrated Hard Skills

Skill	Concentration Score	Postings with Skill
Periodontology	93.92	37
Patient Management Software	87.58	59
Dentrix	71.47	9
Dentures	42.98	14
Dentistry	39.70	55

Concentrated Soft Skills

Skill	Concentration Score	Postings with Skill
Personal Fulfillment	1,313.23	7
Scheduling (Project Management)	0.36	127
Listening	0.10	7
Leadership	0.04	12

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