

Occupation Overview

Emsi Q1 2019 Data Set

February 2019



900 Rancho San Diego Pky
California 92019

Parameters

Occupations

20 items selected. See Appendix A for details.

Regions

Code	Description
41740	San Diego-Chula Vista-Carlsbad, CA

Timeframe

2018 - 2028

Datarun

2019.1 - QCEW Employees, Non-QCEW Employees, and Self-Employed

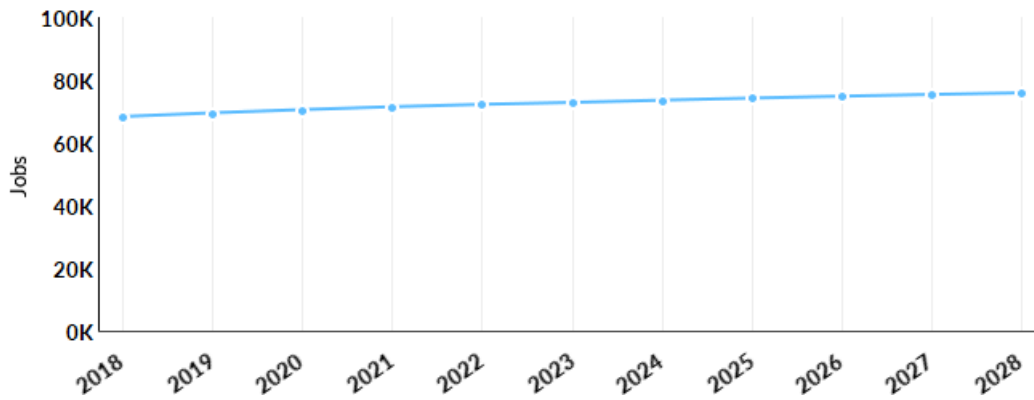
20 Occupations in San Diego-Chula Vista-Carlsbad, CA

Occupation Summary for 20 Occupations

<p>68,282</p> <p>Jobs (2018)</p> <p>8% above National average</p>	<p>+11.1%</p> <p>% Change (2018-2028)</p> <p>Nation: +10.3%</p>	<p>\$30.65/hr</p> <p>Median Hourly Earnings</p> <p>Nation: \$25.57/hr</p>
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Growth

68,282 2018 Jobs	75,841 2028 Jobs	7,559 Change (2018-2028)	11.1% % Change (2018-2028)
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Occupation	2018 Jobs	2028 Jobs	Change	% Change
Farmers, Ranchers, and Other Agricultural Managers (11-9013)	1,582	1,426	-156	-10%
Architectural and Engineering Managers (11-9041)	2,864	3,197	333	12%
Compliance Officers (13-1041)	4,501	4,889	388	9%
Civil Engineers (17-2051)	5,434	6,266	832	15%
Environmental Engineers (17-2081)	720	799	79	11%
Health and Safety Engineers, Except Mining Safety Engineers and Inspectors (17-2111)	224	260	36	16%
Industrial Engineers (17-2112)	3,001	3,592	591	20%
Mining and Geological Engineers, Including Mining Safety Engineers (17-2151)	31	35	4	13%
Environmental Scientists and Specialists, Including Health (19-2041)	1,188	1,287	99	8%
Environmental Science and Protection Technicians, Including Health (19-4091)	741	725	-16	-2%
Administrative Law Judges, Adjudicators, and Hearing Officers (23-1021)	115	127	12	10%
Postsecondary Teachers (25-1099)	17,940	19,801	1,861	10%

Occupation	2018 Jobs	2028 Jobs	Change	% Change
Physicians and Surgeons, All Other (29-1069)	4,497	5,107	610	14%
Nurse Practitioners (29-1171)	1,469	2,097	628	43%
Health Diagnosing and Treating Practitioners, All Other (29-1199)	763	872	109	14%
Occupational Health and Safety Specialists (29-9011)	874	969	95	11%
Occupational Health and Safety Technicians (29-9012)	174	195	21	12%
Maids and Housekeeping Cleaners (37-2012)	18,239	19,878	1,639	9%
Tour and Travel Guides (39-7018)	1,078	1,181	103	10%
Operating Engineers and Other Construction Equipment Operators (47-2073)	2,847	3,138	291	10%

Percentile Earnings

\$14.50/hr

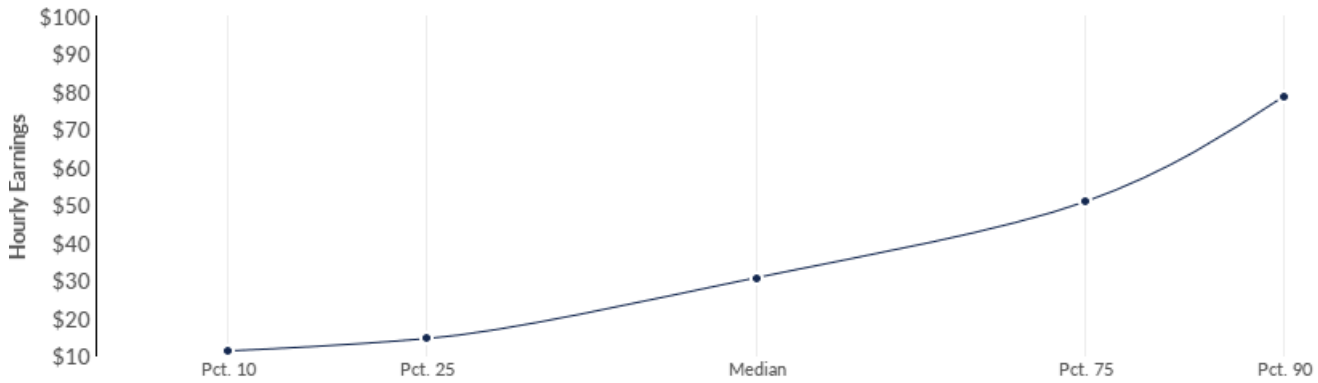
25th Percentile Earnings

\$30.65/hr

Median Earnings

\$50.86/hr

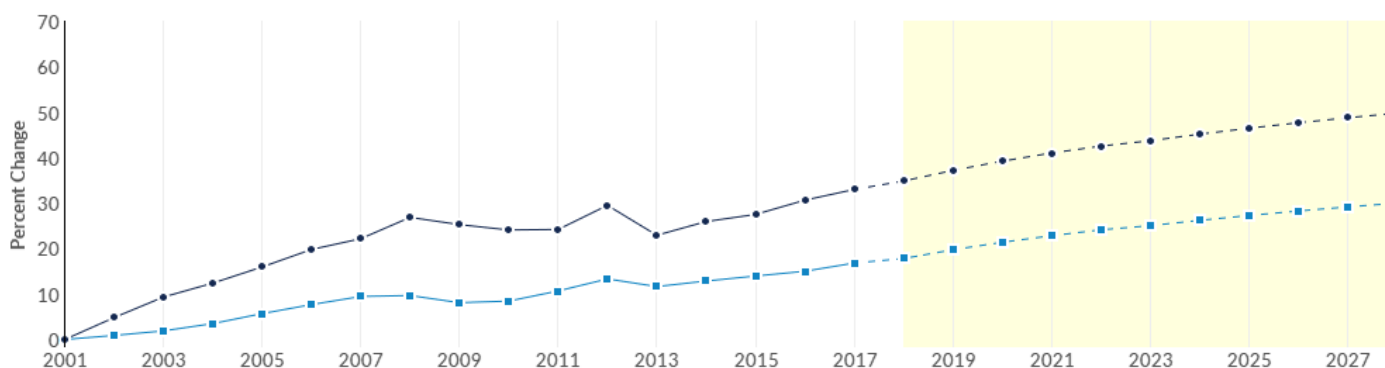
75th Percentile Earnings



Occupation	25th Percentile Earnings	Median Earnings	75th Percentile Earnings
Farmers, Ranchers, and Other Agricultural Managers (11-9013)	\$10.39	\$12.89	\$25.48
Architectural and Engineering Managers (11-9041)	\$58.87	\$74.93	\$93.12
Compliance Officers (13-1041)	\$28.14	\$39.66	\$44.85
Civil Engineers (17-2051)	\$31.03	\$39.36	\$54.08
Environmental Engineers (17-2081)	\$37.47	\$46.43	\$54.90
Health and Safety Engineers, Except Mining Safety Engineers and Inspectors (17-2111)	\$40.46	\$47.35	\$55.46
Industrial Engineers (17-2112)	\$36.07	\$44.46	\$54.40
Mining and Geological Engineers, Including Mining Safety Engineers (17-2151)	\$31.32	\$39.94	\$59.39
Environmental Scientists and Specialists, Including Health (19-2041)	\$29.27	\$37.34	\$45.38
Environmental Science and Protection Technicians, Including Health (19-4091)	\$19.65	\$23.57	\$29.35
Administrative Law Judges, Adjudicators, and Hearing Officers (23-1021)	\$50.06	\$59.17	\$66.84

Occupation	25th Percentile Earnings	Median Earnings	75th Percentile Earnings
Postsecondary Teachers (25-1099)	\$23.00	\$36.22	\$55.07
Physicians and Surgeons, All Other (29-1069)	\$72.97	\$115.01	\$123.92
Nurse Practitioners (29-1171)	\$47.57	\$55.50	\$63.79
Health Diagnosing and Treating Practitioners, All Other (29-1199)	\$18.08	\$25.09	\$32.75
Occupational Health and Safety Specialists (29-9011)	\$32.37	\$38.29	\$44.82
Occupational Health and Safety Technicians (29-9012)	\$21.65	\$26.74	\$33.45
Maids and Housekeeping Cleaners (37-2012)	\$10.92	\$11.95	\$13.82
Tour and Travel Guides (39-7018)	\$10.91	\$12.98	\$17.16
Operating Engineers and Other Construction Equipment Operators (47-2073)	\$24.27	\$29.52	\$41.04

Regional Trends



Region	2018 Jobs	2028 Jobs	Change	% Change
● Region	68,282	75,841	7,559	11.1%
■ Nation	5,960,235	6,576,787	616,552	10.3%

Regional Breakdown



County	2028 Jobs
San Diego County, CA	75,841

Job Postings Summary

<p>21,529 Unique Postings 111,469 Total Postings</p>	<p>5 : 1 Posting Intensity Regional Average: 5 : 1</p>	<p>37 days Median Posting Duration Regional Average: 33 days</p>
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There were 111,469 total job postings for your selection from January 2018 to January 2019, of which 21,529 were unique. These numbers give us a Posting Intensity of 5-to-1, meaning that for every 5 postings there is 1 unique job posting.

This is close to the Posting Intensity for all other occupations and companies in the region (5-to-1), indicating that they are putting average effort toward hiring for this position.

Job Postings vs. Hires

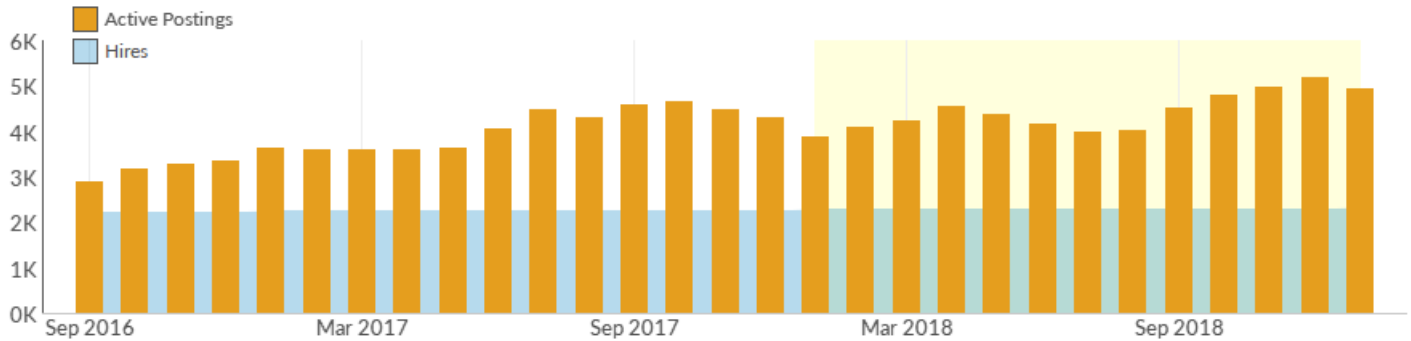
4,439

Avg. Monthly Postings (Jan 2018 - Jan 2019)

2,283

Avg. Monthly Hires (Jan 2018 - Jan 2019)

In an average month, there were 4,439 active job postings for 20 Occupations, and 2,283 actually hired. This means there was approximately 1 hire for every 2 active job postings for 20 Occupations.



Occupation	Avg Monthly Postings (Jan 2018 - Jan 2019)	Avg Monthly Hires (Jan 2018 - Jan 2019)
Postsecondary Teachers	1,216	578
Industrial Engineers	1,139	85
Maids and Housekeeping Cleaners	597	595
Architectural and Engineering Managers	386	83
Civil Engineers	342	194
Compliance Officers	133	152
Physicians and Surgeons, All Other	124	121
Nurse Practitioners	113	47
Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	84	9
Environmental Engineers	79	28
Environmental Science and Protection Technicians, Including Health	79	31
Occupational Health and Safety Specialists	69	32
Environmental Scientists and Specialists, Including Health	48	48

Operating Engineers and Other Construction Equipment Operators	11	159
Occupational Health and Safety Technicians	7	6
Tour and Travel Guides	6	43
Health Diagnosing and Treating Practitioners, All Other	3	16
Mining and Geological Engineers, Including Mining Safety Engineers	1	1
Farmers, Ranchers, and Other Agricultural Managers	1	53
Administrative Law Judges, Adjudicators, and Hearing Officers	0	3

Occupation Gender Breakdown



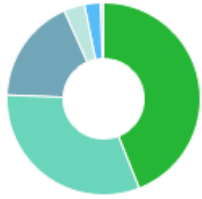
Gender	2018 Jobs	2018 Percent
● Males	34,669	50.8%
● Females	33,613	49.2%

Occupation Age Breakdown



Age	2018 Jobs	2018 Percent
● 14-18	143	0.2%
● 19-24	3,612	5.3%
● 25-34	13,652	20.0%
● 35-44	15,305	22.4%
● 45-54	15,820	23.2%
● 55-64	13,931	20.4%
● 65+	5,819	8.5%

Occupation Race/Ethnicity Breakdown



Race/Ethnicity	2018 Jobs	2018 Percent
White	30,045	44.0%
Hispanic or Latino	21,580	31.6%
Asian	12,089	17.7%
Black or African American	2,385	3.5%
Two or More Races	1,811	2.7%
American Indian or Alaska Native	204	0.3%
Native Hawaiian or Other Pacific Islander	169	0.2%

Occupational Programs

117
Programs (2017)

15,718
Completions (2017)

6,894
Openings (2017)

CIP Code	Program	Completions (2017)
24.0101	Liberal Arts and Sciences/Liberal Studies	5,184
13.0101	Education, General	3,193
23.0101	English Language and Literature, General	631
22.0101	Law	587
14.1001	Electrical and Electronics Engineering	573

Industries Employing 20 Occupations

Industry	Occupation Group Jobs in Industry (2018)	% of Occupation Group in Industry (2018)	% of Total Jobs in Industry (2018)
Colleges, Universities, and Professional Schools (State Government)	8,110	11.9%	26.4%
Hotels (except Casino Hotels) and Motels	7,284	10.7%	24.4%
Colleges, Universities, and Professional Schools (Local Government)	5,244	7.7%	32.8%
Private Households	4,933	7.2%	46.9%
Engineering Services	4,258	6.2%	25.0%

Appendix A - Occupations

Code	Description
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors
29-9011	Occupational Health and Safety Specialists
29-9012	Occupational Health and Safety Technicians
19-4091	Environmental Science and Protection Technicians, Including Health
19-2041	Environmental Scientists and Specialists, Including Health
17-2081	Environmental Engineers
29-1199	Health Diagnosing and Treating Practitioners, All Other
17-2151	Mining and Geological Engineers, Including Mining Safety Engineers
29-1069	Physicians and Surgeons, All Other
47-2073	Operating Engineers and Other Construction Equipment Operators
11-9041	Architectural and Engineering Managers
11-9013	Farmers, Ranchers, and Other Agricultural Managers
39-7018	Tour and Travel Guides
37-2012	Maids and Housekeeping Cleaners
23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers
17-2112	Industrial Engineers
17-2051	Civil Engineers
25-1099	Postsecondary Teachers
13-1041	Compliance Officers
29-1171	Nurse Practitioners

Appendix B - 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.

Emsi Job Postings

Job postings are collected from various sources and processed/enriched to provide information such as standardized company name, occupation, skills, and geography.

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.

State Data Sources

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