



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

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What is Emsi Data?

Emsi data is a hybrid dataset derived from official government sources such as the US Census Bureau, Bureau of Economic Analysis, and Bureau of Labor Statistics. Leveraging the unique strengths of each source, our data modeling team creates an authoritative dataset that captures more than 99% of all workers in the United States. This core offering is then enriched with data from online social profiles, resumés, and job postings to give you a complete view of the workforce.

Emsi data is frequently cited in major publications such as *The Atlantic*, *Forbes*, *Harvard Business Review*, *The New York Times*, *The Wall Street Journal*, and *USA Today*.



Report Parameters

2 Occupations

11-9120 Natural Sciences Managers

19-1020 Biological Scientists

1 MSA

41740 San Diego-Chula Vista-Carlsbad, CA

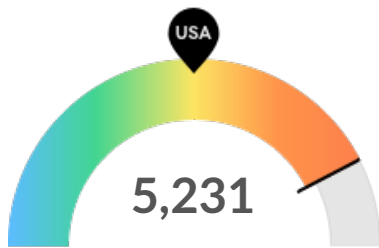
Class of Worker

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

The information in this report pertains to the chosen occupations and geographical area.

Executive Summary

Aggressive Job Posting Demand Over a Deep Supply of Regional Jobs



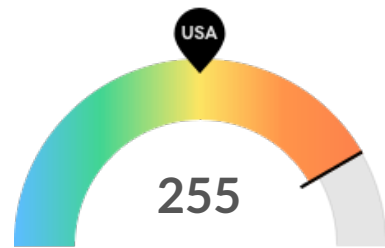
Jobs (2018)

San Diego-Chula Vista-Carlsbad, CA is a hotspot for this kind of job. The national average for an area this size is 1,923* employees, while there are 5,231 here.



Compensation

Earnings are about average in San Diego-Chula Vista-Carlsbad, CA. The national median salary for your occupations is \$90,610, compared to \$91,109 here.



Job Posting Demand

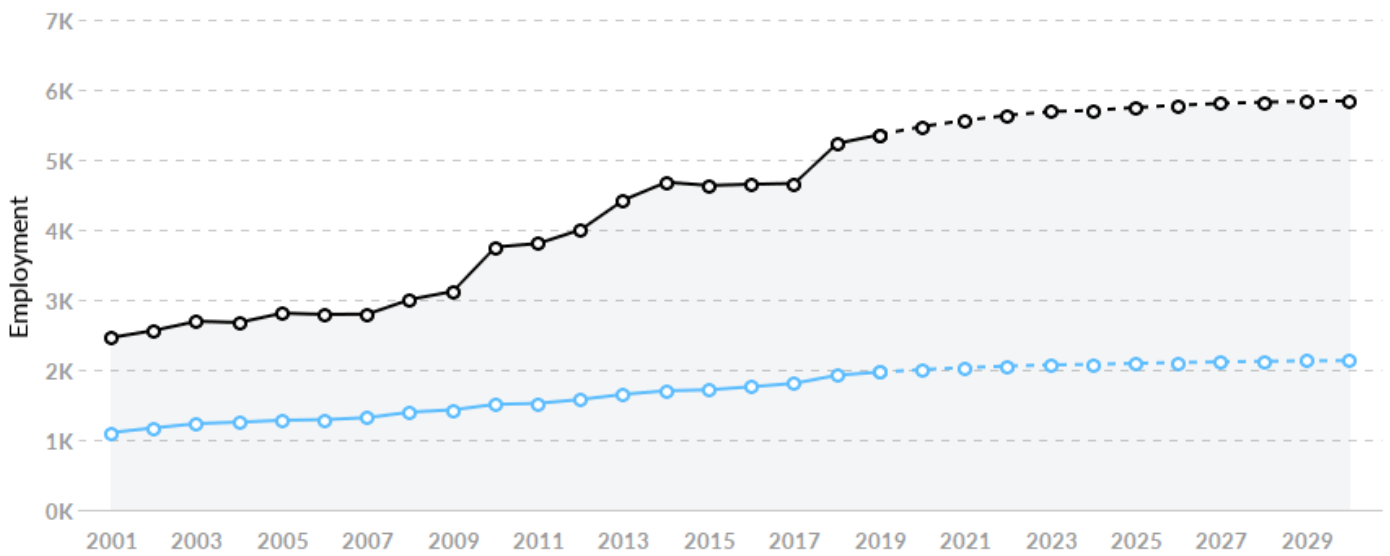
Job posting activity is high in San Diego-Chula Vista-Carlsbad, CA. The national average for an area this size is 99* job postings/mo, while there are 255 here.

*National average values are derived by taking the national value for your occupations and scaling it down to account for the difference in overall workforce size between the nation and San Diego-Chula Vista-Carlsbad, CA. In other words, the values represent the national average adjusted for region size.

Jobs

Regional Employment Is Higher Than the National Average

An average area of this size typically has 1,923* jobs, while there are 5,231 here. This higher than average supply of jobs may make it easier for workers in this field to find employment in your area.



Region	2018 Jobs	2028 Jobs	Change	% Change
● San Diego-Chula Vista-Carlsbad, CA	5,231	5,822	590	11.3%
● National Average	1,923	2,122	199	10.3%

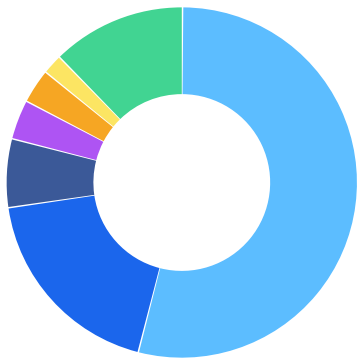
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Regional Breakdown



County	2018 Jobs
San Diego County, CA	5,231

Most Jobs are Found in the Scientific Research and Development Services Industry Sector

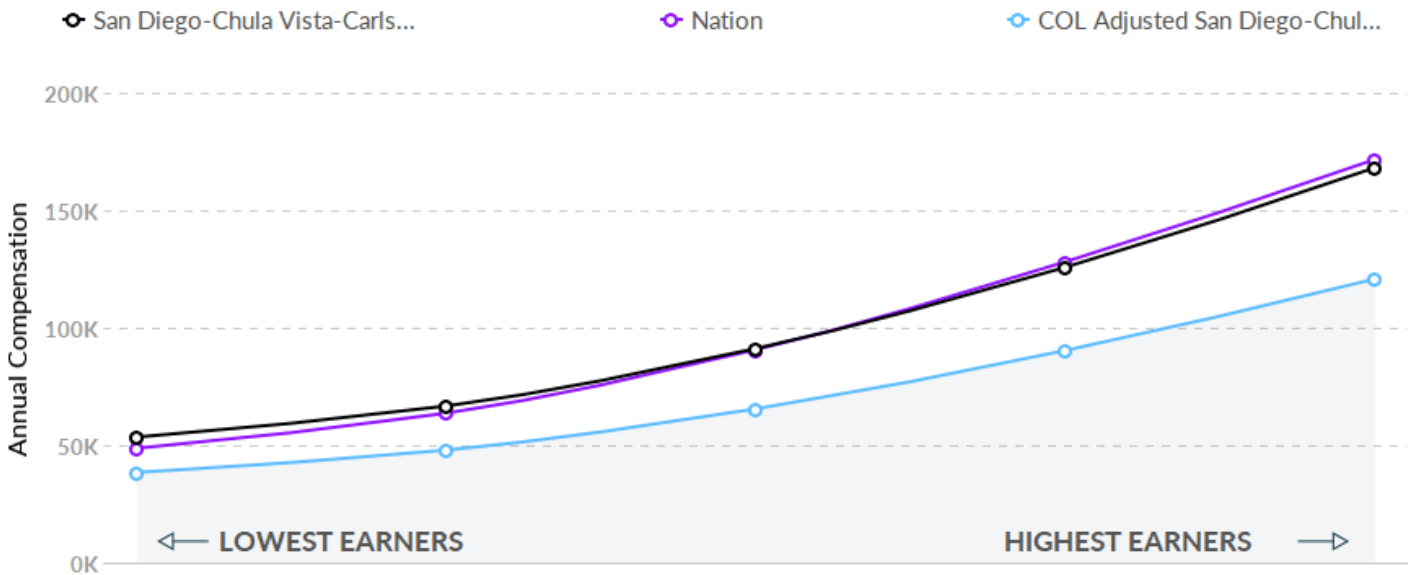


Industry	% of Occupation in Industry (2018)
Scientific Research and Development Services	53.9%
Federal Government, Civilian	18.7%
Pharmaceutical and Medicine Manufacturing	6.3%
Education and Hospitals (State Government)	3.7%
Management, Scientific, and Technical Consulting Services	3.2%
Colleges, Universities, and Professional Schools	1.8%
Other	12.4%

Compensation

Regional Compensation Is the Same Cost as the Nation

For your occupations, the 2018 median wage in San Diego-Chula Vista-Carlsbad, CA is \$91,109, while the national median wage is \$90,610.



Job Posting Activity



7,400 Unique Job Postings

The number of unique postings for this job from Jan 2018 to May 2020.



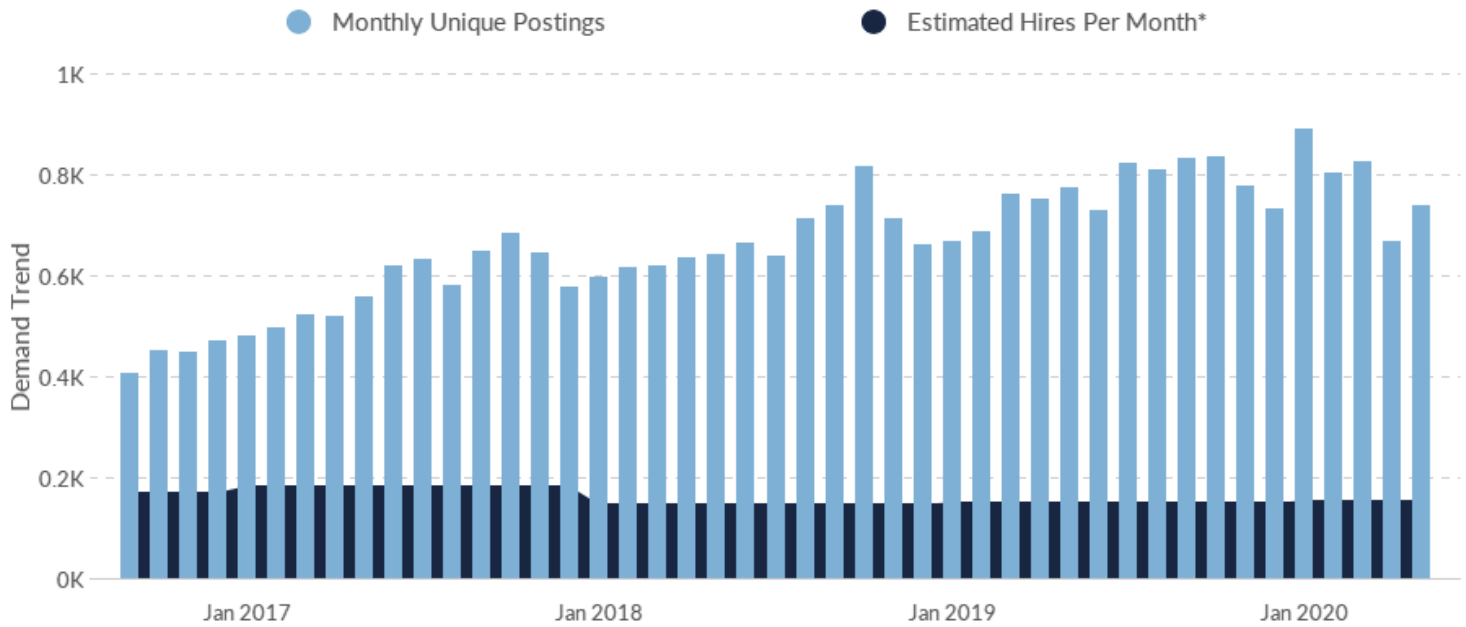
1,051 Employers Competing

All employers in the region who posted for this job from Jan 2018 to May 2020.




38 Day Median Duration











Posting duration is 5 days longer than what's typical in the region.



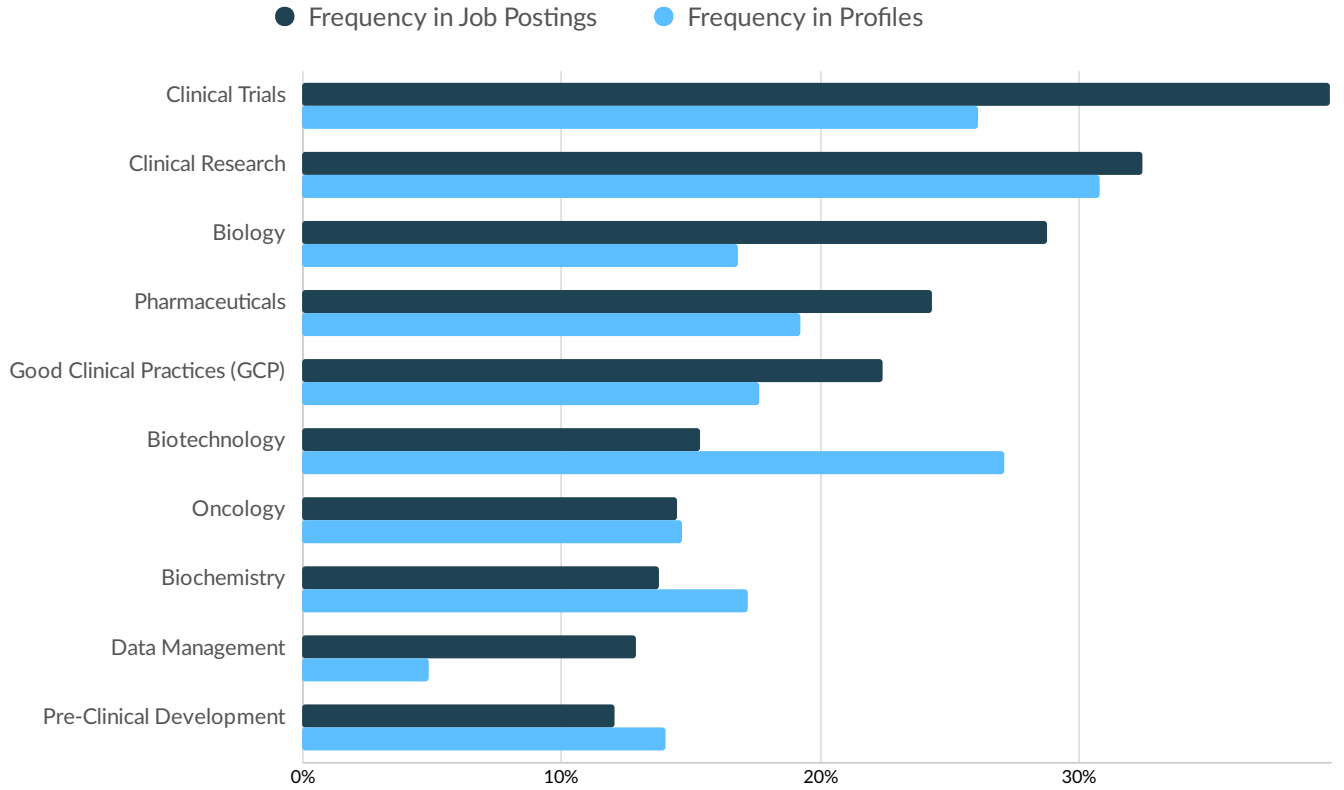
Occupation	Avg Monthly Postings (Jan 2018 - May 2020)	Avg Monthly Hires (Jan 2018 - May 2020)
Natural Sciences Managers	507	37
Biological Scientists	223	115

*A hire is reported by the Quarterly Workforce Indicators when an individual's Social Security Number appears on a company's payroll and was not there the quarter before. Emsi hires are calculated using a combination of Emsi jobs data, information on separation rates from the Bureau of Labor Statistics (BLS), and industry-based hires data from the Census Bureau.

Top Companies	Unique Postings
University of California	739 
Pfizer Inc.	214 
IQVIA	167 
Celgene Corporation	158 
Kelly Services, Inc.	158 
Ucsd Extension	134 
Biospace, Inc	132 
Aerotek, Inc.	117 
Icon Clinical Research, Inc	109 
Thermo Fisher Scientific Inc	103 

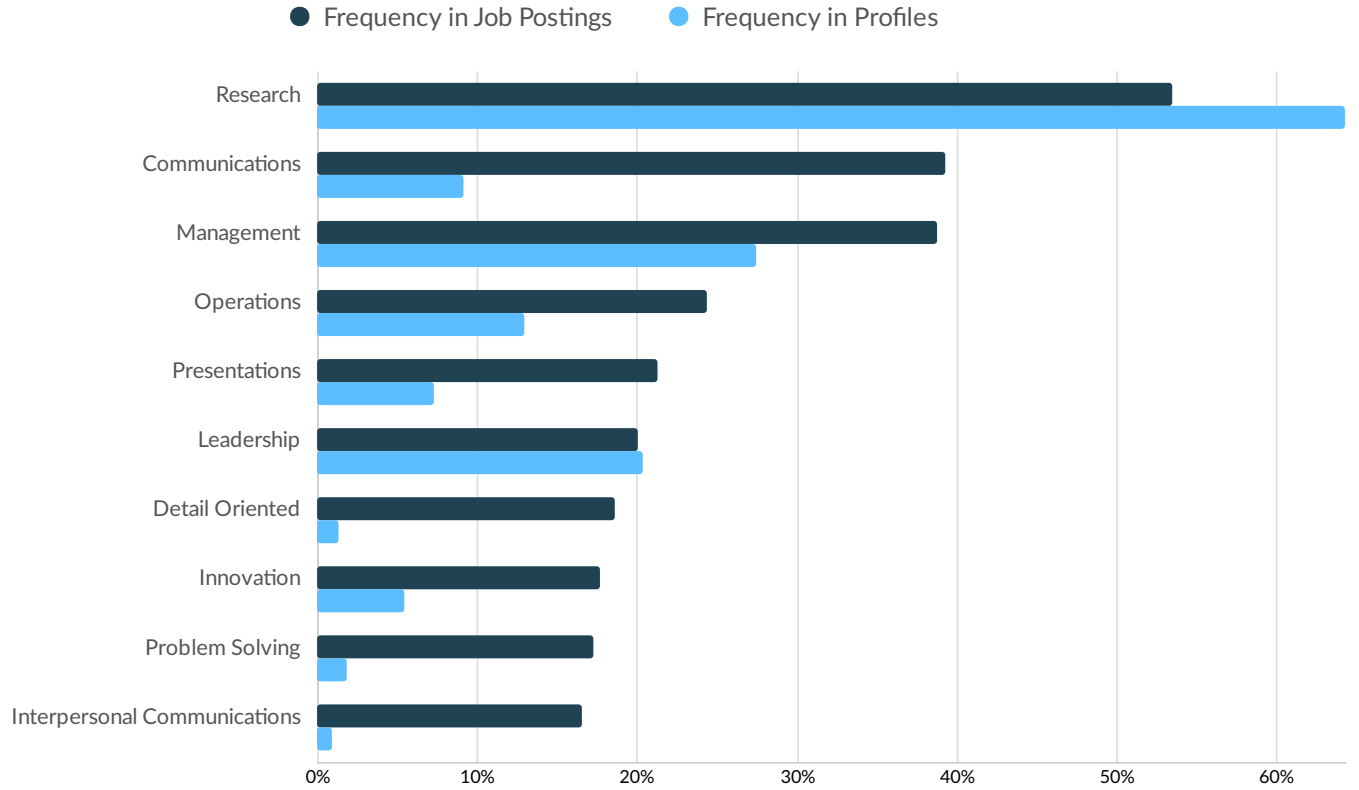
Top Job Titles	Unique Postings
Clinical Research Associates (CR...	618 
Research Associates (Life, Physi...	563 
Clinical Research Coordinators	532 
Clinical Managers (Management)	465 
Project Managers (Management)	334 
Biologists	287 
Clinical Trials Assistants	177 
Bioinformatics Scientists	171 
Clinical Trials Managers	160 
Protein Scientists	159 

Top Hard Skills



Skills	Postings	% of Total Postings	Profiles	% of Total Profiles
Clinical Trials	4,065	40%	1,628	26%
Clinical Research	3,323	32%	1,920	31%
Biology	2,945	29%	1,048	17%
Pharmaceuticals	2,488	24%	1,201	19%
Good Clinical Practices (GCP)	2,296	22%	1,099	18%
Biotechnology	1,572	15%	1,690	27%
Oncology	1,482	14%	914	15%
Biochemistry	1,412	14%	1,073	17%
Data Management	1,318	13%	305	5%
Pre-Clinical Development	1,236	12%	874	14%

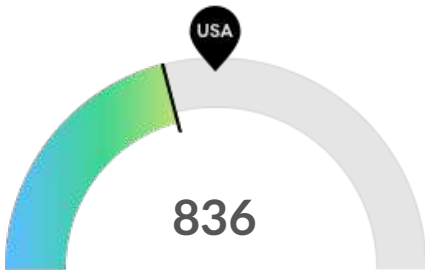
Top Common Skills



Skills	Postings	% of Total Postings	Profiles	% of Total Profiles
Research	5,472	53%	4,003	64%
Communications	4,016	39%	569	9%
Management	3,964	39%	1,712	27%
Operations	2,490	24%	809	13%
Presentations	2,182	21%	455	7%
Leadership	2,051	20%	1,270	20%
Detail Oriented	1,908	19%	81	1%
Innovation	1,806	18%	338	5%
Problem Solving	1,766	17%	116	2%
Interpersonal Communications	1,696	17%	60	1%

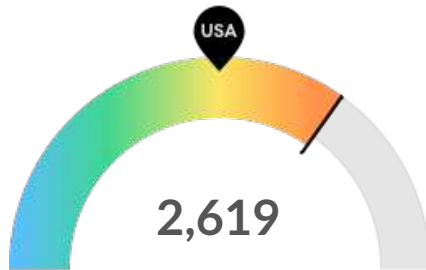
Demographics

Retirement Risk Is Low, While Overall Diversity Is High



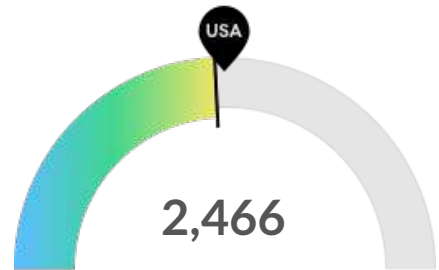
Retiring Soon

Retirement risk is low in San Diego-Chula Vista-Carlsbad, CA. The national average for an area this size is 1,068* employees 55 or older, while there are 836 here.



Racial Diversity

Racial diversity is high in San Diego-Chula Vista-Carlsbad, CA. The national average for an area this size is 1,519* racially diverse employees, while there are 2,619 here.

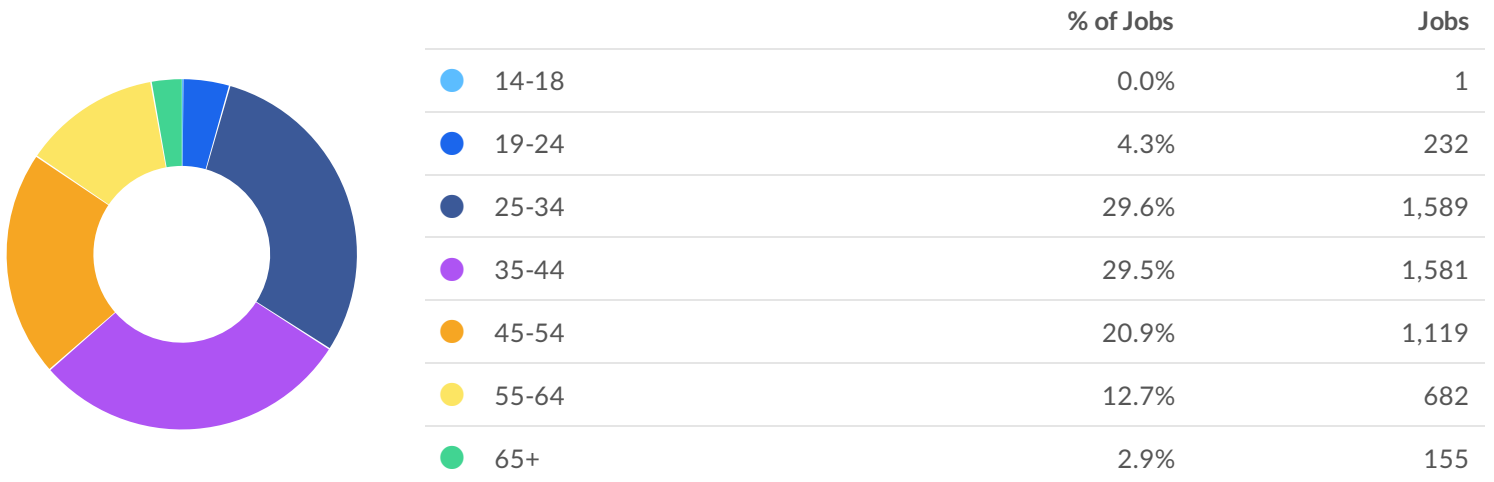


Gender Diversity

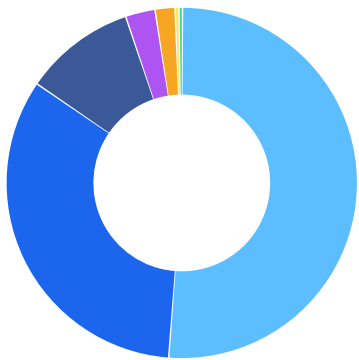
Gender diversity is about average in San Diego-Chula Vista-Carlsbad, CA. The national average for an area this size is 2,577* female employees, while there are 2,466 here.

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Occupation Age Breakdown



Occupation Race/Ethnicity Breakdown



	% of Jobs	Jobs
White	51.1%	2,739
Asian	33.4%	1,787
Hispanic or Latino	10.3%	551
Two or More Races	2.7%	146
Black or African American	1.8%	98
Native Hawaiian or Other Pacific Islander	0.4%	19
American Indian or Alaska Native	0.3%	18

Occupation Gender Breakdown



	% of Jobs	Jobs
Males	54.0%	2,892
Females	46.0%	2,466

Occupational Programs



46 Programs

Of the programs that can train for this job, 46 have produced completions in the last 5 years.



7,381 Completions (2018)

The completions from all regional institutions for all degree types.



603 Openings (2018)

The average number of openings for an occupation in the region is 288.

CIP Code	Top Programs	Completions (2018)
26.0101	Biology/Biological Sciences, General	1,347
30.0101	Biological and Physical Sciences	1,312
26.0202	Biochemistry	511
27.0101	Mathematics, General	467
26.0403	Anatomy	439
30.1701	Behavioral Sciences	376
30.2501	Cognitive Science	319
40.0501	Chemistry, General	295
30.0801	Mathematics and Computer Science	248
27.0301	Applied Mathematics, General	197

Top Schools	Completions (2018)
University of California-San Diego	3,492 
San Diego State University	774 
Ashford University	376 
Grossmont College	337 
Palomar College	325 
MiraCosta College	317 
San Diego Mesa College	301 
San Diego Miramar College	255 
California State University-San Marcos	237 
Cuyamaca College	234 

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.

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.

Cost of Living Data

Emsi cost of living data is based on the Cost of Living Index published quarterly by the Council for Community and Economic Research (C2ER).

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.