



Biological Technicians in San Diego-Chula Vista-Carlsbad, CA

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Contents

What is Emsi Data?	1
Report Parameters	2
Executive Summary	3
Jobs	4
Compensation	6
Job Posting Activity	7
Demographics	11
Occupational Programs	13

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

1 Occupation

19-4020 Biological Technicians

1 MSA

41740 San Diego-Chula Vista-Carlsbad, CA

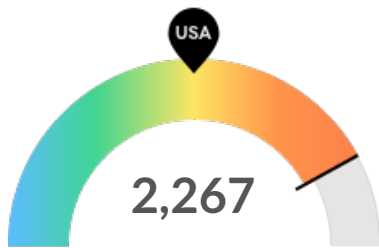
Class of Worker

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

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

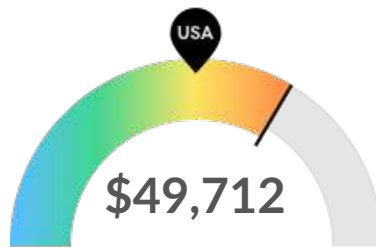
Executive Summary

Aggressive Job Posting Demand Over a Deep Supply of Regional Jobs



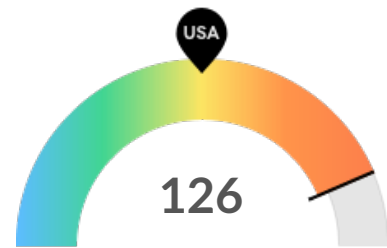
Jobs (2018)

San Diego-Chula Vista-Carlsbad, CA is a hotspot for this kind of job. The national average for an area this size is 856* employees, while there are 2,267 here.



Compensation

Earnings are high in San Diego-Chula Vista-Carlsbad, CA. The national median salary for Biological Technicians is \$44,491, compared to \$49,712 here.



Job Posting Demand

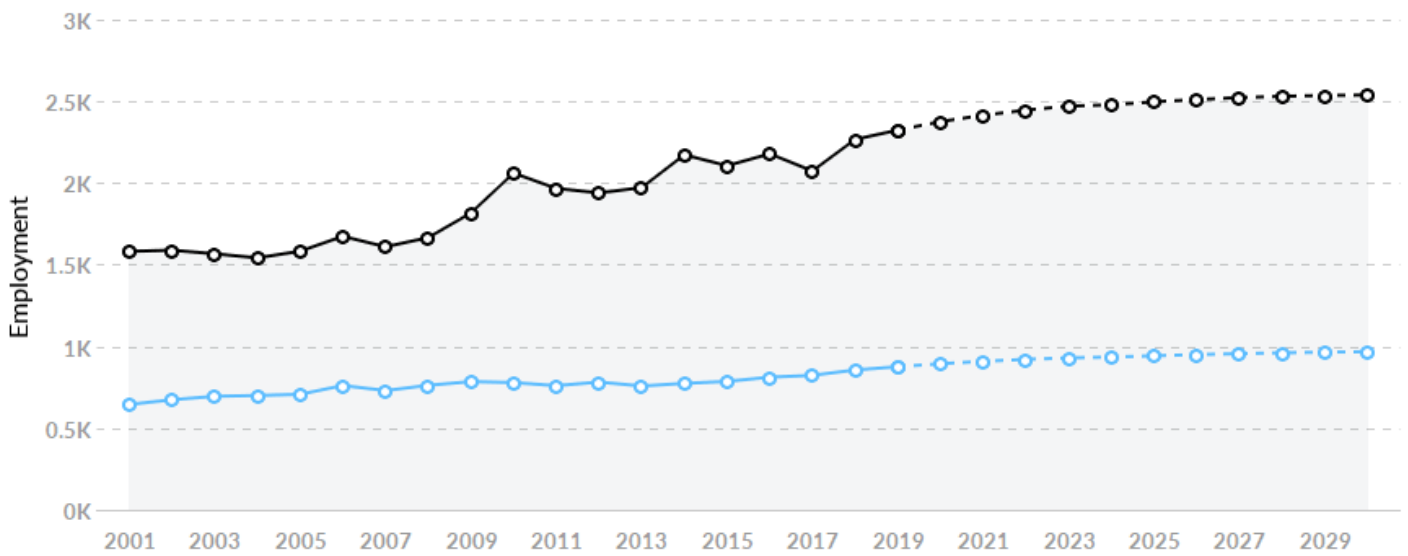
Job posting activity is high in San Diego-Chula Vista-Carlsbad, CA. The national average for an area this size is 43* job postings/mo, while there are 126 here.

*National average values are derived by taking the national value for Biological Technicians 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 856* jobs, while there are 2,267 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	2,267	2,531	264	11.6%
● National Average	856	961	104	12.2%

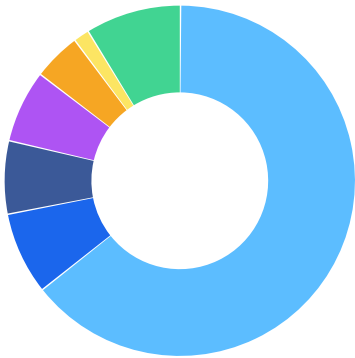
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Regional Breakdown



County	2018 Jobs
San Diego County, CA	2,267

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

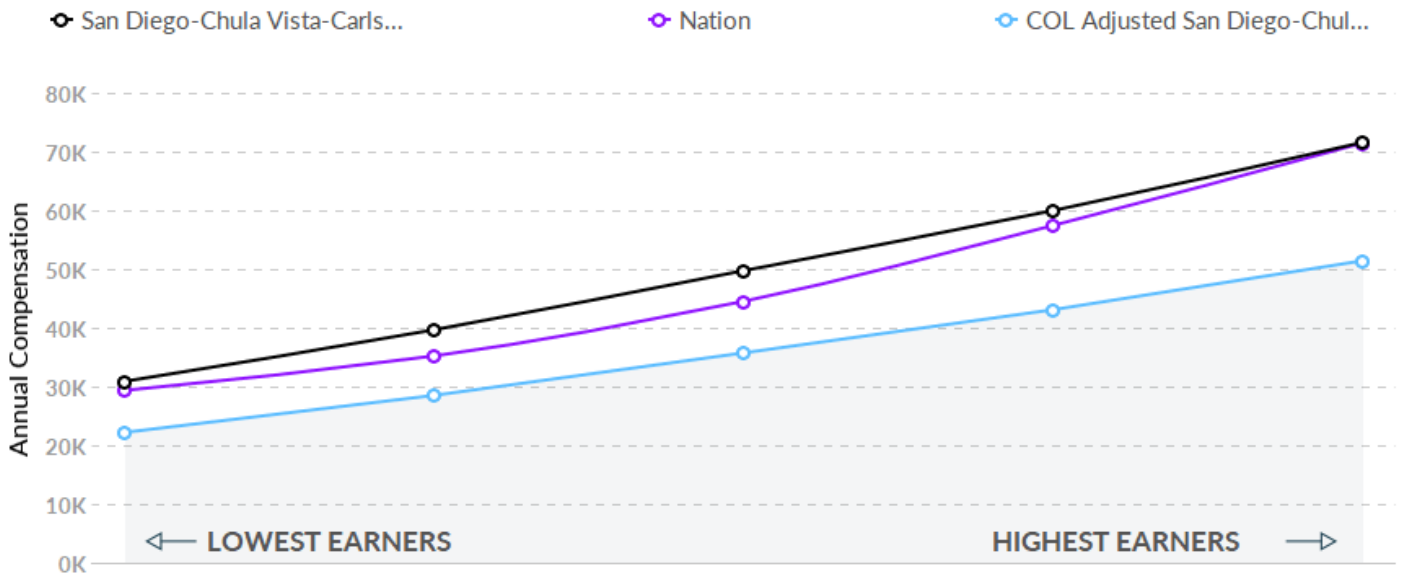


Industry	% of Occupation in Industry (2018)
Scientific Research and Development Services	64.3%
Education and Hospitals (State Government)	7.6%
Federal Government, Civilian	6.7%
Pharmaceutical and Medicine Manufacturing	6.7%
Colleges, Universities, and Professional Schools	4.4%
Medical and Diagnostic Laboratories	1.5%
Other	8.8%

Compensation

Regional Compensation Is 12% Higher Than National Compensation

For Biological Technicians, the 2018 median wage in San Diego-Chula Vista-Carlsbad, CA is \$49,712, while the national median wage is \$44,491.



Job Posting Activity



3,666 Unique Job Postings

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



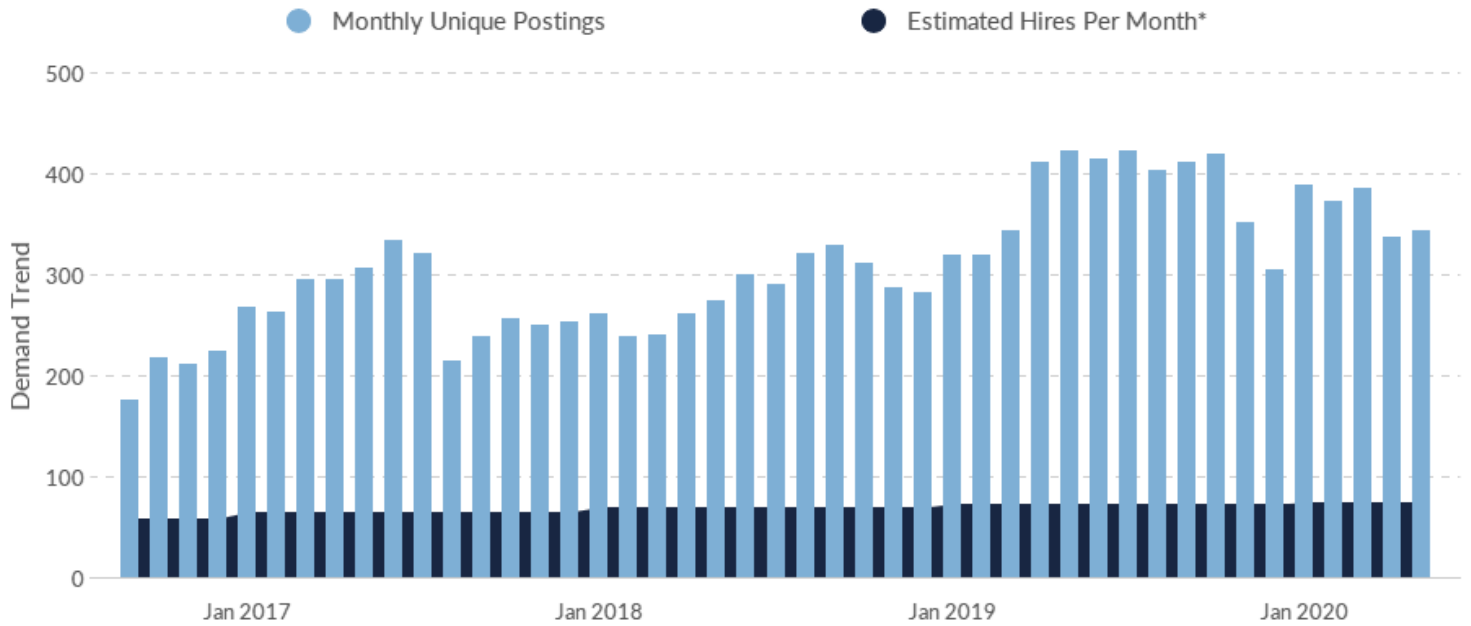
485 Employers Competing

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























33 Day Median Duration

Posting duration is the same as what's typical in the region.

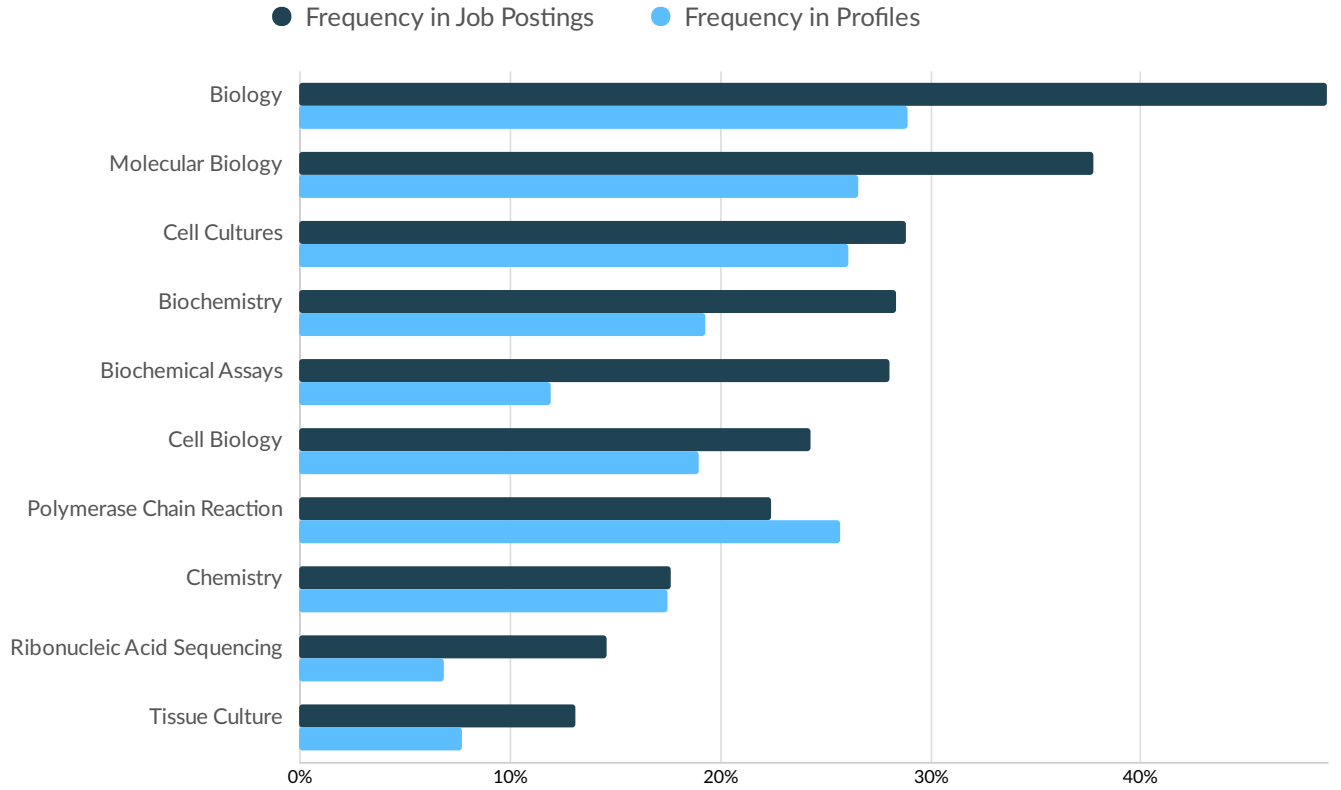


Occupation	Avg Monthly Postings (Jan 2018 - May 2020)	Avg Monthly Hires (Jan 2018 - May 2020)
Biological Technicians	337	71

*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.

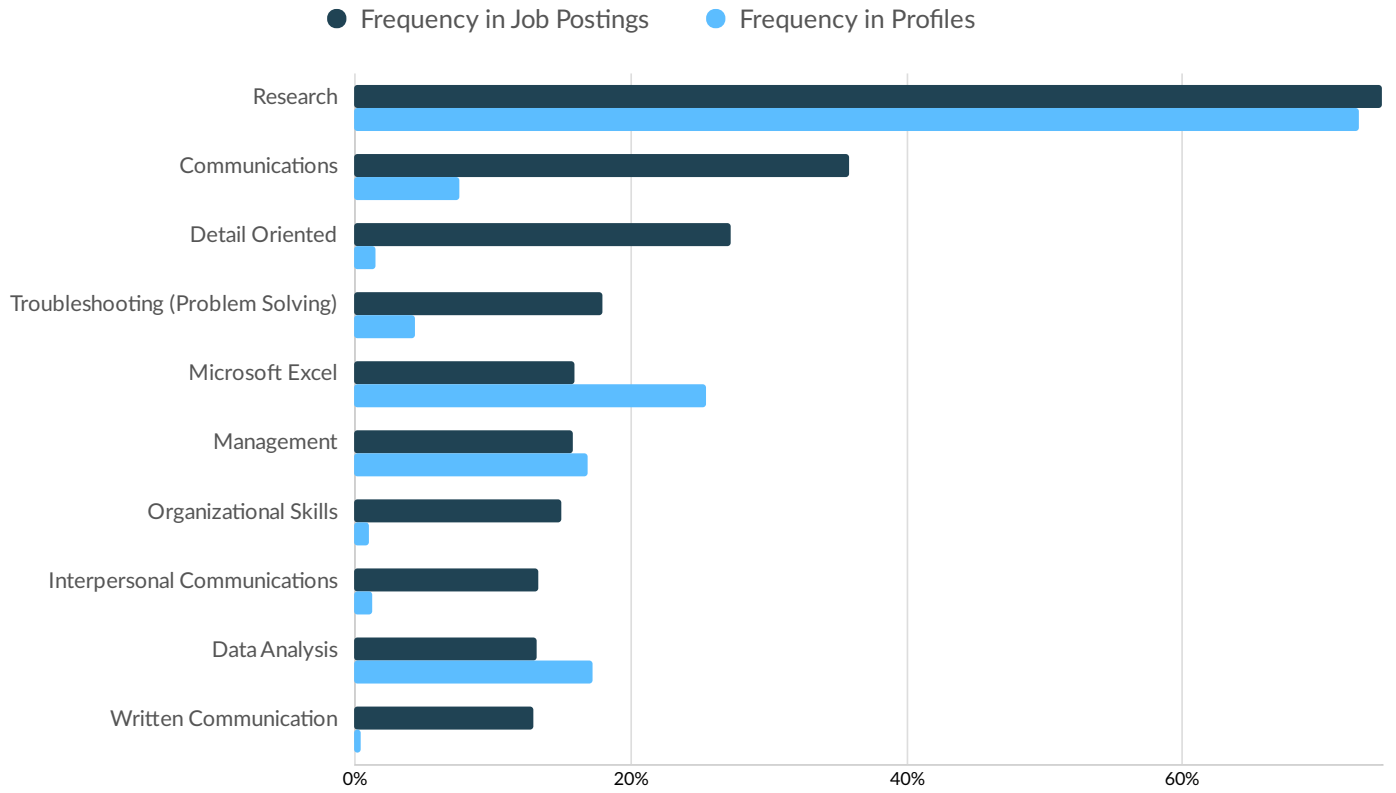
Top Companies	Unique Postings	Top Job Titles	Unique Postings
University of California	593 	Research Associates (Life, Physi...	787 
Kelly Services, Inc.	244 	Molecular Biology Research Ass...	603 
Aerotek, Inc.	178 	Laboratory Technicians (Life, Ph...	482 
Salt Institute	95 	Research Assistants	445 
Sanford Burnham Prebys Medic...	91 	Laboratory Assistants (Life, Phys...	224 
La Jolla Ltd Inc	90 	Research Technicians	120 
The Salk Institute For Biological ...	66 	Cell Culture Scientists	98 
The Scripps Research Institute	61 	Animal Laboratory Technicians	45 
Ucsd Extension	60 	Research Analysts (Life, Physica...	27 
Biologend, Inc.	52 	Biological Scientists	23 

Top Hard Skills



Skills	Postings	% of Total Postings	Profiles	% of Total Profiles
Biology	2,472	49%	385	29%
Molecular Biology	1,911	38%	354	27%
Cell Cultures	1,460	29%	348	26%
Biochemistry	1,437	28%	257	19%
Biochemical Assays	1,420	28%	159	12%
Cell Biology	1,231	24%	253	19%
Polymerase Chain Reaction	1,135	22%	343	26%
Chemistry	892	18%	233	17%
Ribonucleic Acid Sequencing	738	15%	92	7%
Tissue Culture	664	13%	103	8%

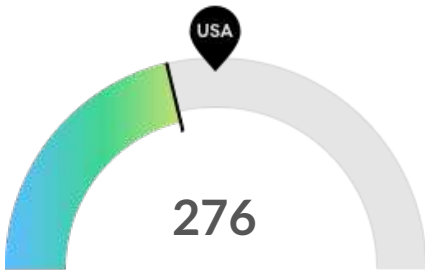
Top Common Skills



Skills	Postings	% of Total Postings	Profiles	% of Total Profiles
Research	3,768	75%	971	73%
Communications	1,815	36%	102	8%
Detail Oriented	1,382	27%	21	2%
Troubleshooting (Problem Solving)	913	18%	59	4%
Microsoft Excel	805	16%	340	26%
Management	804	16%	225	17%
Organizational Skills	760	15%	15	1%
Interpersonal Communications	674	13%	17	1%
Data Analysis	667	13%	230	17%
Written Communication	657	13%	7	1%

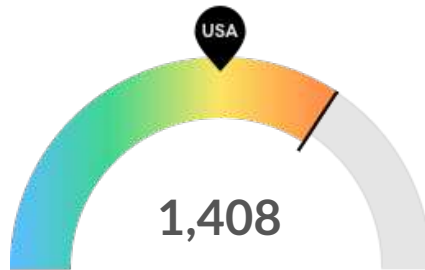
Demographics

Retirement Risk Is Low, While Overall Diversity Is High



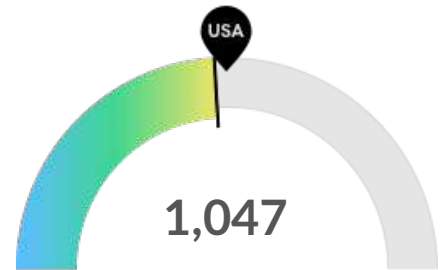
Retiring Soon

Retirement risk is low in San Diego-Chula Vista-Carlsbad, CA. The national average for an area this size is 346* employees 55 or older, while there are 276 here.



Racial Diversity

Racial diversity is high in San Diego-Chula Vista-Carlsbad, CA. The national average for an area this size is 842* racially diverse employees, while there are 1,408 here.

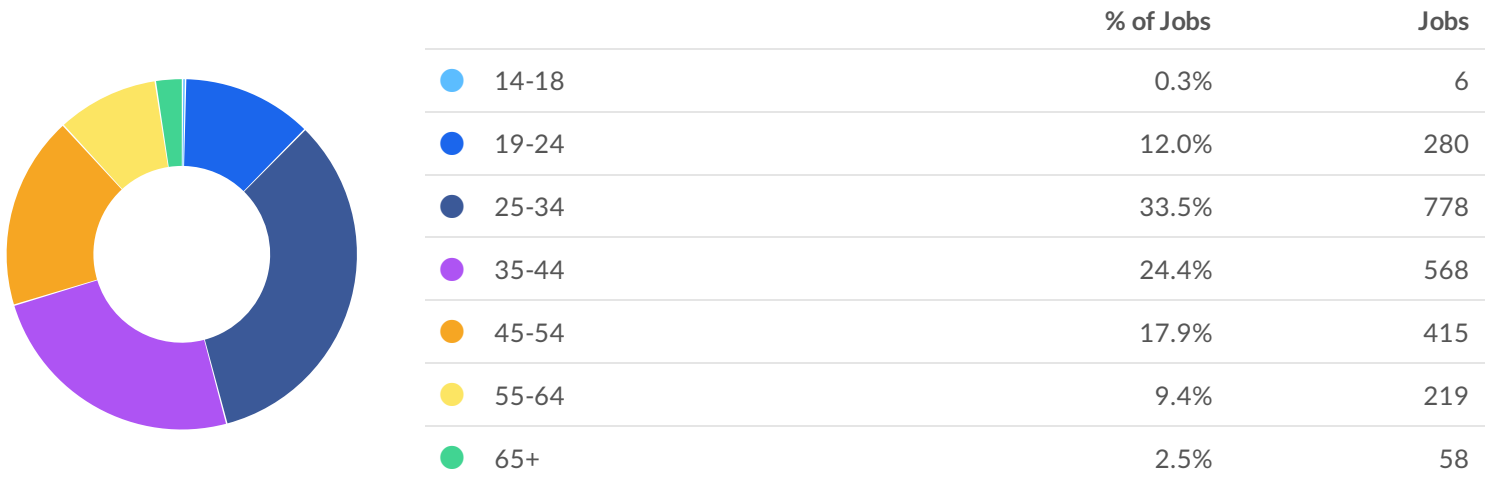


Gender Diversity

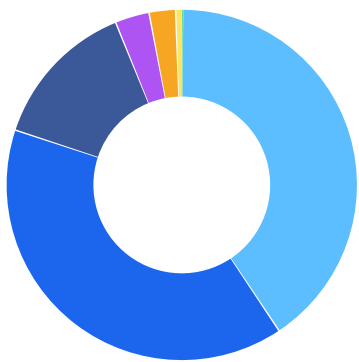
Gender diversity is about average in San Diego-Chula Vista-Carlsbad, CA. The national average for an area this size is 1,107* female employees, while there are 1,047 here.

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Occupation Age Breakdown



Occupation Race/Ethnicity Breakdown



	% of Jobs	Jobs
Asian	40.6%	943
White	39.4%	916
Hispanic or Latino	13.8%	320
Two or More Races	3.2%	73
Black or African American	2.4%	56
American Indian or Alaska Native	0.6%	14
Native Hawaiian or Other Pacific Islander	0.0%	1

Occupation Gender Breakdown



	% of Jobs	Jobs
Males	54.9%	1,277
Females	45.1%	1,047

Occupational Programs



0 Programs

Of the programs that can train for this job, 0 have produced completions in the last 5 years.



0 Completions (2018)

The completions from all regional institutions for all degree types.



295 Openings (2018)

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

Not enough data to show the Top Programs section.

Not enough data to show the Top Schools section.

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.