

An aerial photograph of a city, likely San Diego, showing a prominent circular street pattern in the center. The city is surrounded by agricultural fields and a winding river. The text "Geographers in San Diego-Chula Vista-Carlsbad, CA" is overlaid in white on the left side of the image.

# Geographers in San Diego-Chula Vista-Carlsbad, CA



**Geographers (SOC 19-3092):**

Study the nature and use of areas of the Earth's surface, relating and interpreting interactions of physical and cultural phenomena. Conduct research on physical aspects of a region, including land forms, climates, soils, plants, and animals, and conduct research on the spatial implications of human activities within a given area, including social characteristics, economic activities, and political organization, as well as researching interdependence between regions at scales ranging from local to global.

**Sample of Reported Job Titles:**

GIS Geographer (Geographic Information Systems Geographer)  
Supervisory Geographer  
Scientist  
Research Coordinator  
GIS Physical Scientist (Geographic Information Systems Physical Scientist)  
Geographic Information Systems Program Director (GIS Program Director)  
Environmental Affairs Corporate Director  
Earth Observations Chief Scientist (NASA)  
Physical Geographer  
Geographer

**Related O\*NET Occupation:**

Geographers (19-3092.00)

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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

### 1 Occupation

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19-3092 Geographers

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### 1 MSA

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41740 San Diego-Chula Vista-Carlsbad, CA

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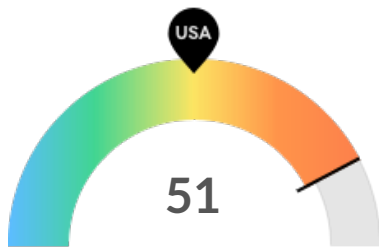
### Class of Worker

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

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

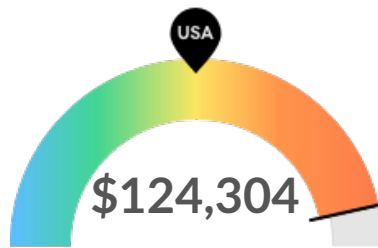
## Executive Summary

### Light 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 19\* employees, while there are 51 here.



**Compensation**

Earnings are high in San Diego-Chula Vista-Carlsbad, CA. The national median salary for Geographers is \$80,288, compared to \$124,304 here.



**Job Posting Demand**

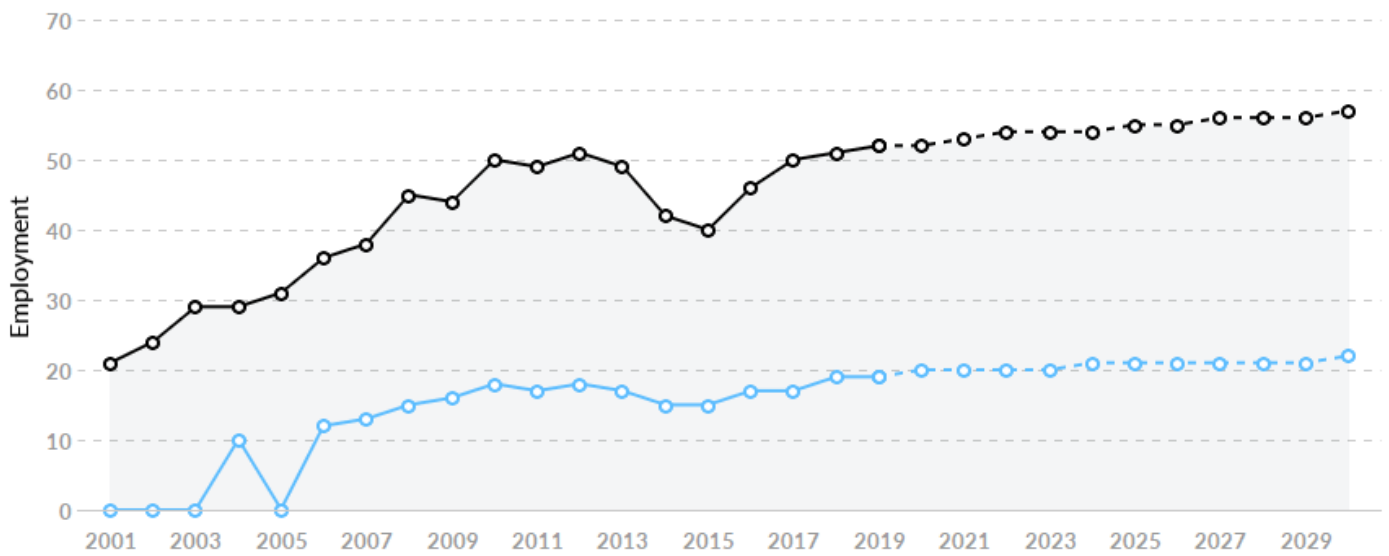
Reliable competition information is not available in San Diego-Chula Vista-Carlsbad, CA because there are too few postings.

\*National average values are derived by taking the national value for Geographers 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 19\* jobs, while there are 51 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	51	56	5	9.6%
● National Average	19	21	2	12.7%

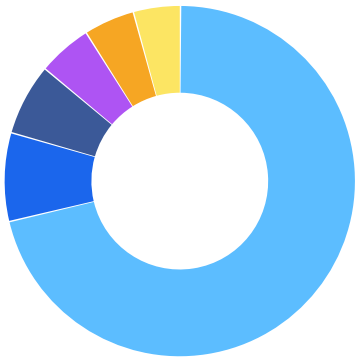
\*National average values are derived by taking the national value for Geographers and scaling it down to account for the difference in overall workforce size between the nation and San Diego-Chula Vista-Carlsbad, CA. In other words, the values represent the national average adjusted for region size.

## Regional Breakdown



County	2018 Jobs
San Diego County, CA	51

## Most Jobs are Found in the Federal Government, Civilian Industry Sector



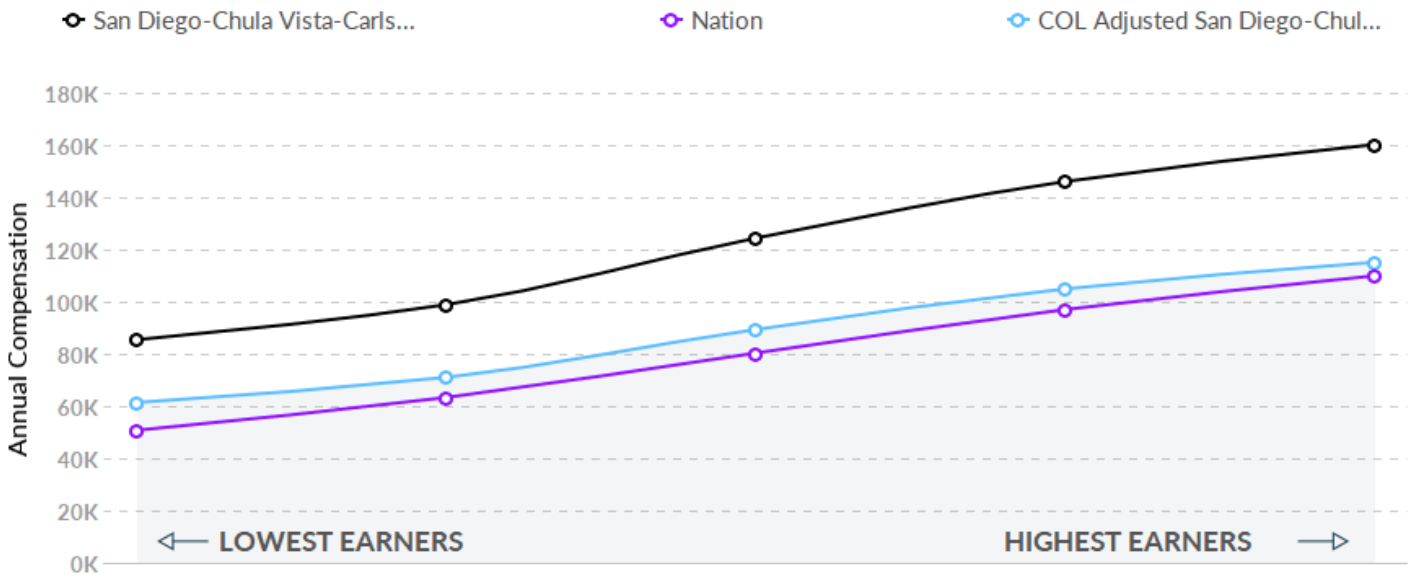
Industry	% of Occupation in Industry (2018)
Federal Government, Civilian	71.2%
Colleges, Universities, and Professional Schools	8.2%
Management, Scientific, and Technical Consulting Services	6.6%
Education and Hospitals (State Government)	5.0%
Federal Government, Military	4.7%
Architectural, Engineering, and Related Services	4.3%
Other	0.0%



# Compensation

## Regional Compensation Is 55% Higher Than National Compensation

For Geographers, the 2018 median wage in San Diego-Chula Vista-Carlsbad, CA is \$124,304, while the national median wage is \$80,288.



# Job Posting Activity



## 5 Unique Job Postings

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



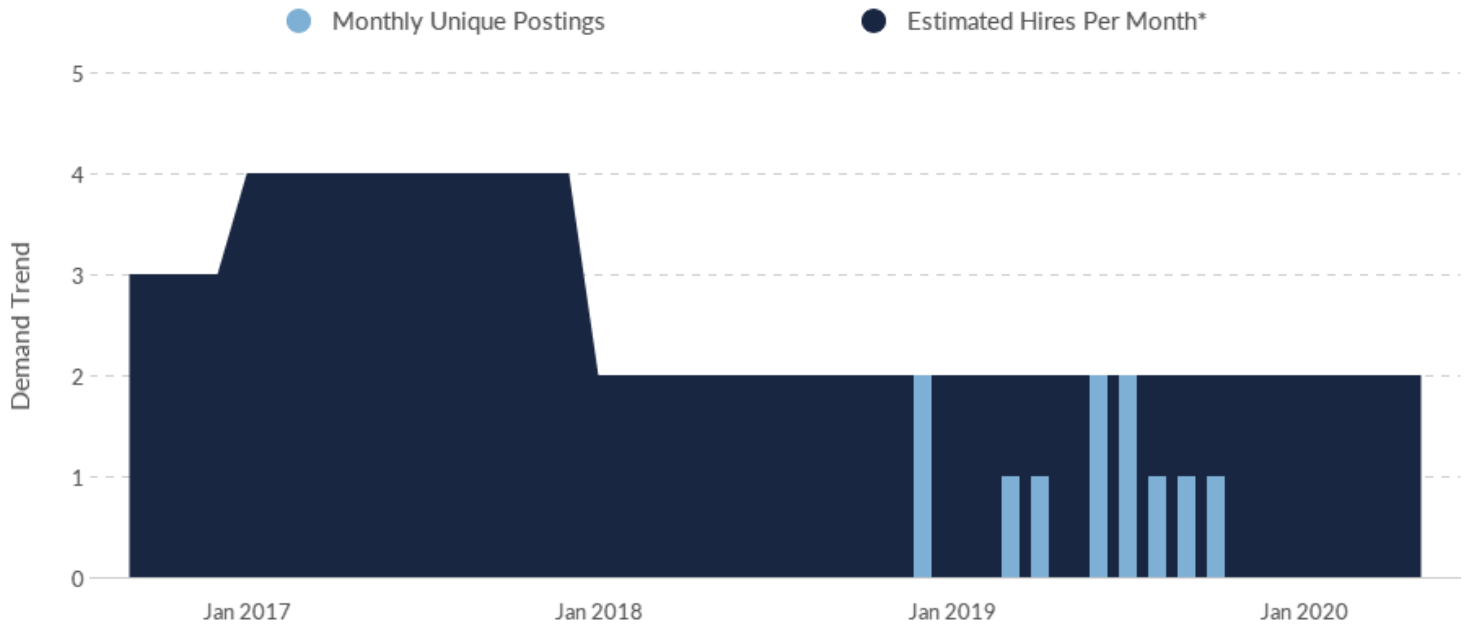
## 4 Employers Competing

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







## 24 Day Median Duration





Posting duration is 9 days shorter than what's typical in the region.



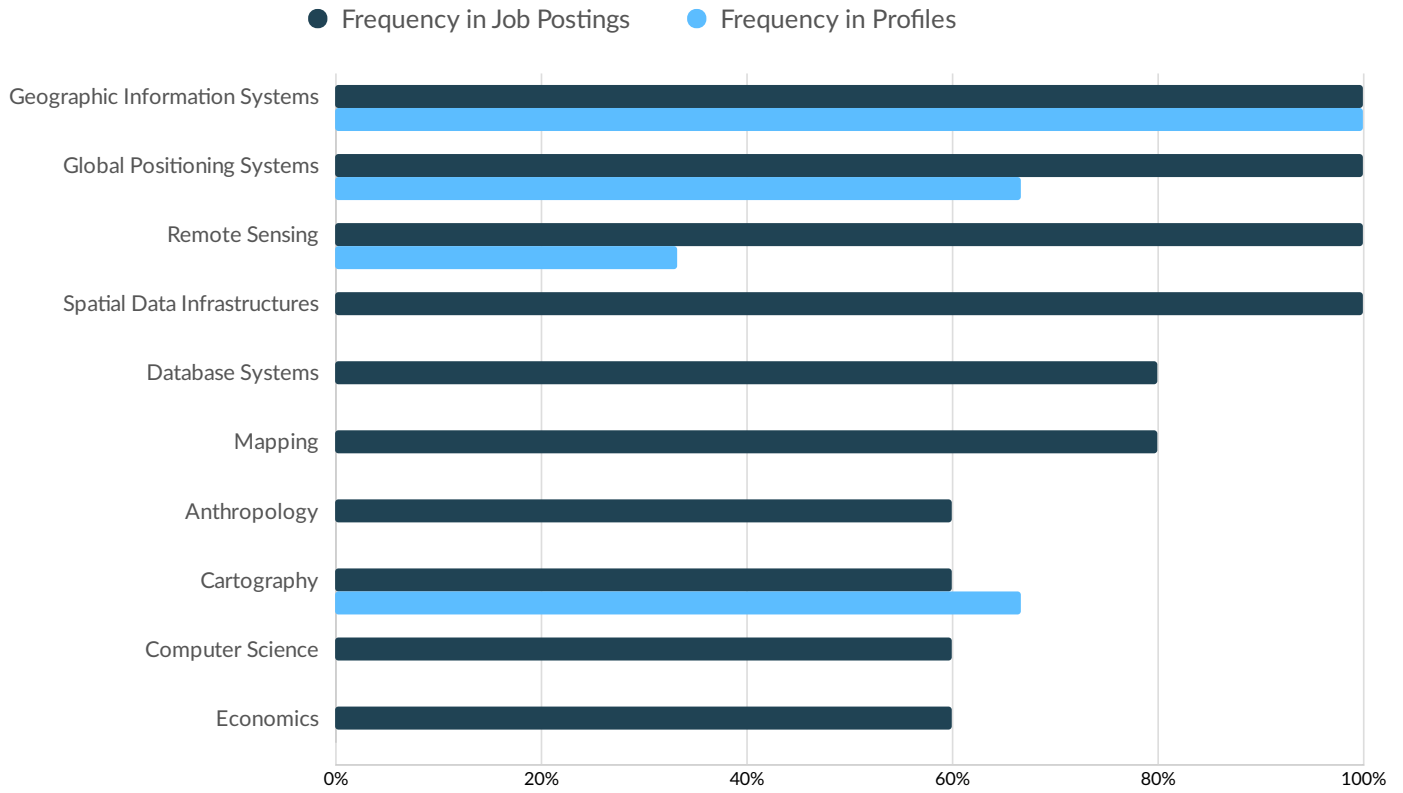
Occupation	Avg Monthly Postings (Jan 2018 - May 2020)	Avg Monthly Hires (Jan 2018 - May 2020)
Geographers	0	2

\*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
Naval Facilities Engineering Com...	2 
US Drug Enforcement Admin.	1 
United States Department of De...	1 
United States Department of th...	1 

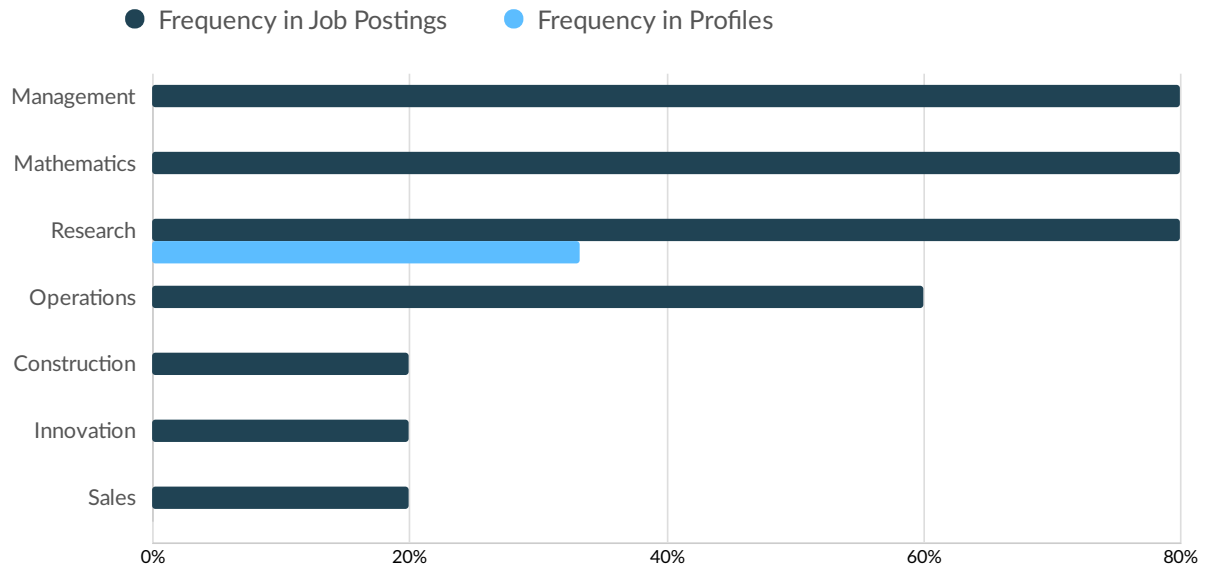
Top Job Titles	Unique Postings
Asset Engineers	1 
Behavioral Intake Counselors	1 
CAD Technicians	1 
GIS Analysts	1 

## Top Hard Skills



Skills	Postings	% of Total Postings	Profiles	% of Total Profiles
Geographic Information Systems	5	100%	3	100%
Global Positioning Systems	5	100%	2	67%
Remote Sensing	5	100%	1	33%
Spatial Data Infrastructures	5	100%	0	0%
Database Systems	4	80%	0	0%
Mapping	4	80%	0	0%
Anthropology	3	60%	0	0%
Cartography	3	60%	2	67%
Computer Science	3	60%	0	0%
Economics	3	60%	0	0%

## Top Common Skills



Skills	Postings	% of Total Postings	Profiles	% of Total Profiles
Management	4	80%	0	0%
Mathematics	4	80%	0	0%
Research	4	80%	1	33%
Operations	3	60%	0	0%
Construction	1	20%	0	0%
Innovation	1	20%	0	0%
Sales	1	20%	0	0%



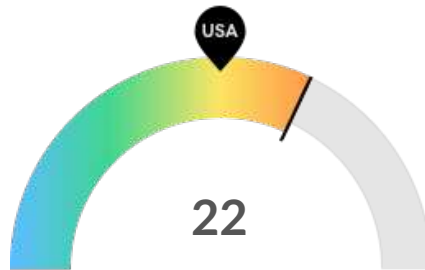
## Demographics

### Reliable Retirement Information Is Not Available, While Overall Diversity Is High



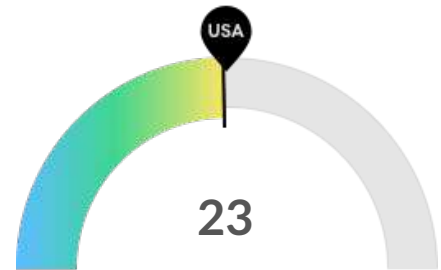
**Retiring Soon**

Reliable retirement information is not available in San Diego-Chula Vista-Carlsbad, CA, because there are too few employees.



**Racial Diversity**

Racial diversity is high in San Diego-Chula Vista-Carlsbad, CA. The national average for an area this size is 15\* racially diverse employees, while there are 22 here.

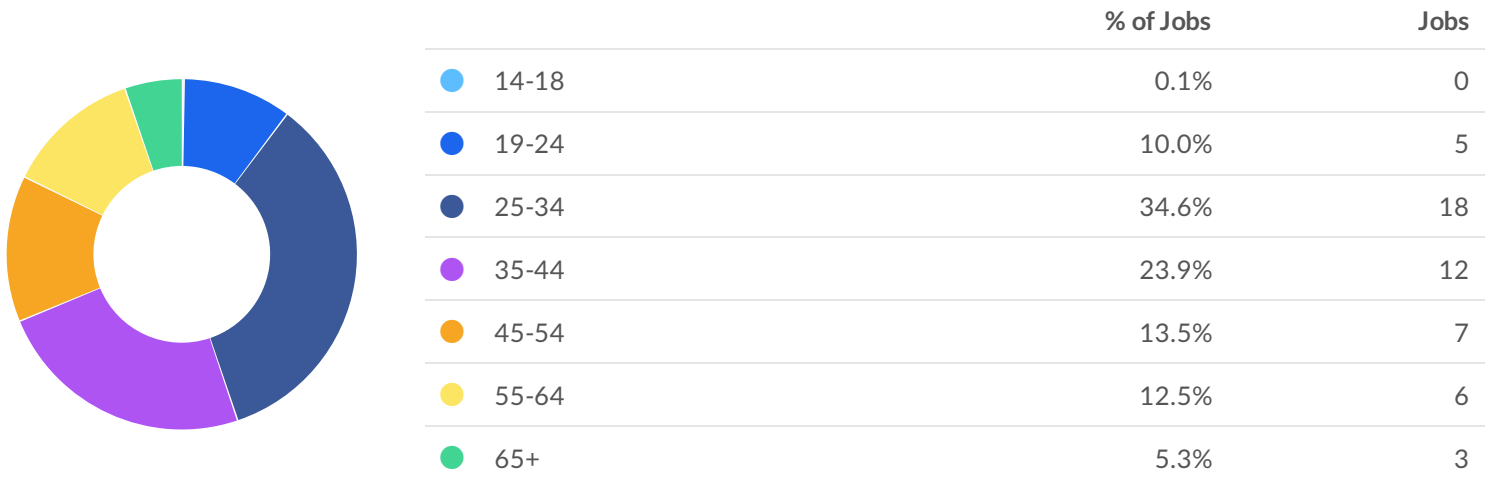


**Gender Diversity**

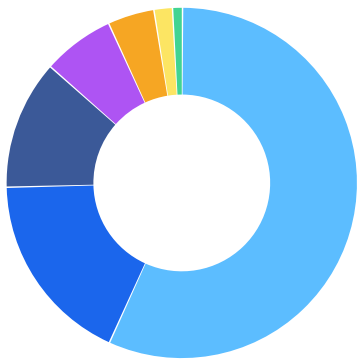
Gender diversity is about average in San Diego-Chula Vista-Carlsbad, CA. The national average for an area this size is 24\* female employees, while there are 23 here.

\*National average values are derived by taking the national value for Geographers 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.

## Occupation Age Breakdown

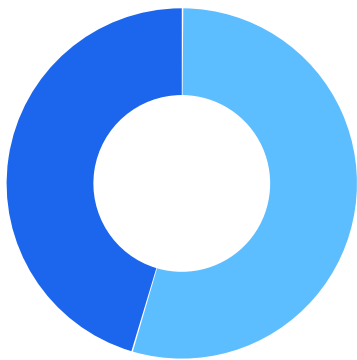


### Occupation Race/Ethnicity Breakdown



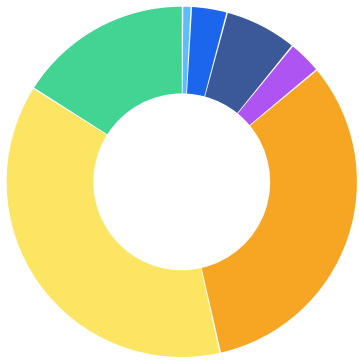
	% of Jobs	Jobs
● White	56.7%	29
● Hispanic or Latino	17.8%	9
● Asian	11.9%	6
● Black or African American	6.6%	3
● Two or More Races	4.3%	2
● American Indian or Alaska Native	1.7%	1
● Native Hawaiian or Other Pacific Islander	0.9%	0

### Occupation Gender Breakdown



	% of Jobs	Jobs
● Males	54.5%	28
● Females	45.5%	23

## National Educational Attainment



	% of Jobs
<span style="color: #00AEEF;">●</span> Less than high school diploma	0.8%
<span style="color: #0070C0;">●</span> High school diploma or equivalent	3.3%
<span style="color: #003366;">●</span> Some college, no degree	6.7%
<span style="color: #800080;">●</span> Associate's degree	3.1%
<span style="color: #FFA500;">●</span> Bachelor's degree	32.5%
<span style="color: #FFD700;">●</span> Master's degree	37.5%
<span style="color: #00B050;">●</span> Doctoral or professional degree	16.1%

## Occupational Programs



### 2 Programs

Of the programs that can train for this job, 2 have produced completions in the last 5 years.



### 93 Completions (2018)

The completions from all regional institutions for all degree types.



### 6 Openings (2018)

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

CIP Code	Top Programs	Completions (2018)
45.0701	Geography	56
45.0799	Geography, Other	37

Top Schools	Completions (2018)
San Diego State University	32
San Diego Mesa College	23
Palomar College	20
Grossmont College	10
Southwestern College	8

## 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.