



# 4 Occupations in San Diego-Chula Vista-Carlsbad, CA

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## What is Lightcast Data?

Lightcast 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, resums, and job postings to give you a complete view of the workforce.

Lightcast 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

## 4 Occupations

17-3025   Environmental Engineering Technologists  
and Technicians

19-4042   Environmental Science and Protection  
Technicians, Including Health

19-5011   Occupational Health and Safety Specialists

19-5012   Occupational Health and Safety  
Technicians

## 1 MSA

41740   San Diego-Chula Vista-Carlsbad, CA

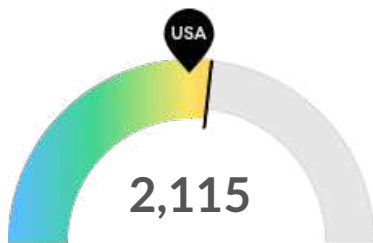
## Class of Worker

QCEW Employees

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

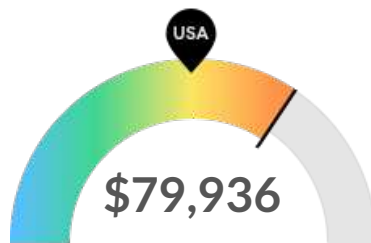
## Executive Summary

### Average Job Posting Demand Over an Average Supply of Regional Jobs



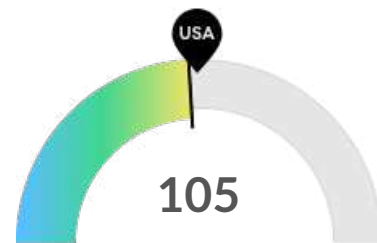
**Jobs (2023)**

San Diego-Chula Vista-Carlsbad, CA is about average for this kind of job. The national average for an area this size is 1,909\* employees, while there are 2,115 here.



**Compensation**

Earnings are high in San Diego-Chula Vista-Carlsbad, CA. The national median salary for your occupations is \$69,740, compared to \$79,936 here.



**Job Posting Demand**

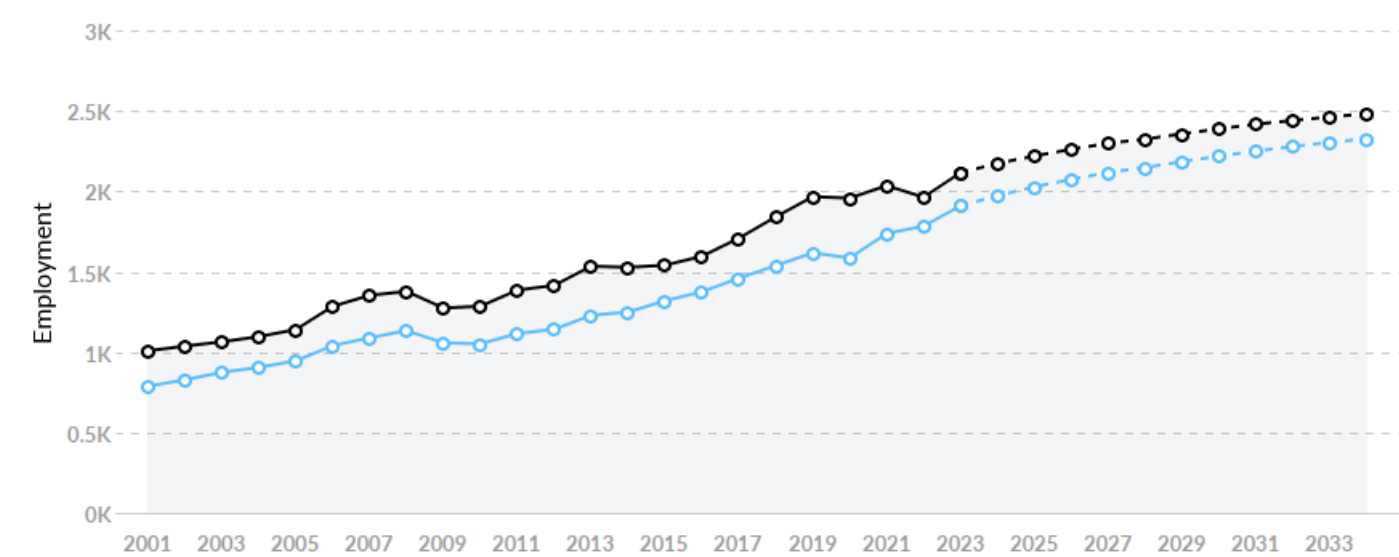
Job posting activity is about average in San Diego-Chula Vista-Carlsbad, CA. The national average for an area this size is 111\* job postings/mo, while there are 105 here.

\*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

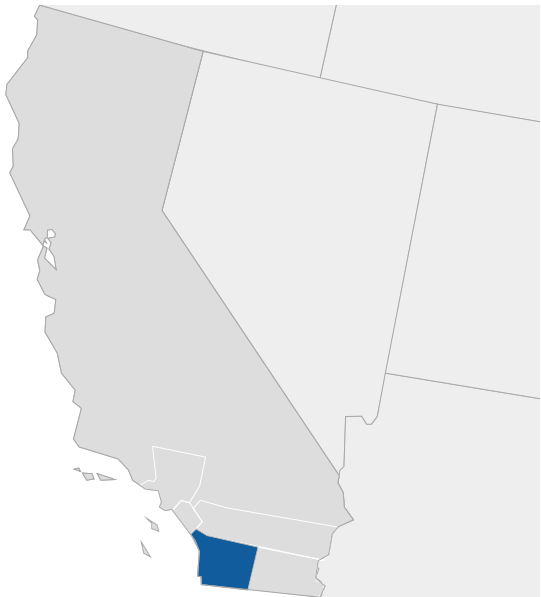
An average area of this size typically has 1,909\* jobs, while there are 2,115 here. This higher than average supply of jobs may make it easier for workers in this field to find employment in your area.



Region		2023 Jobs	2024 Jobs	Change	% Change
●	San Diego-Chula Vista-Carlsbad, CA	2,115	2,173	58	2.7%
●	National Average	1,909	1,972	63	3.3%

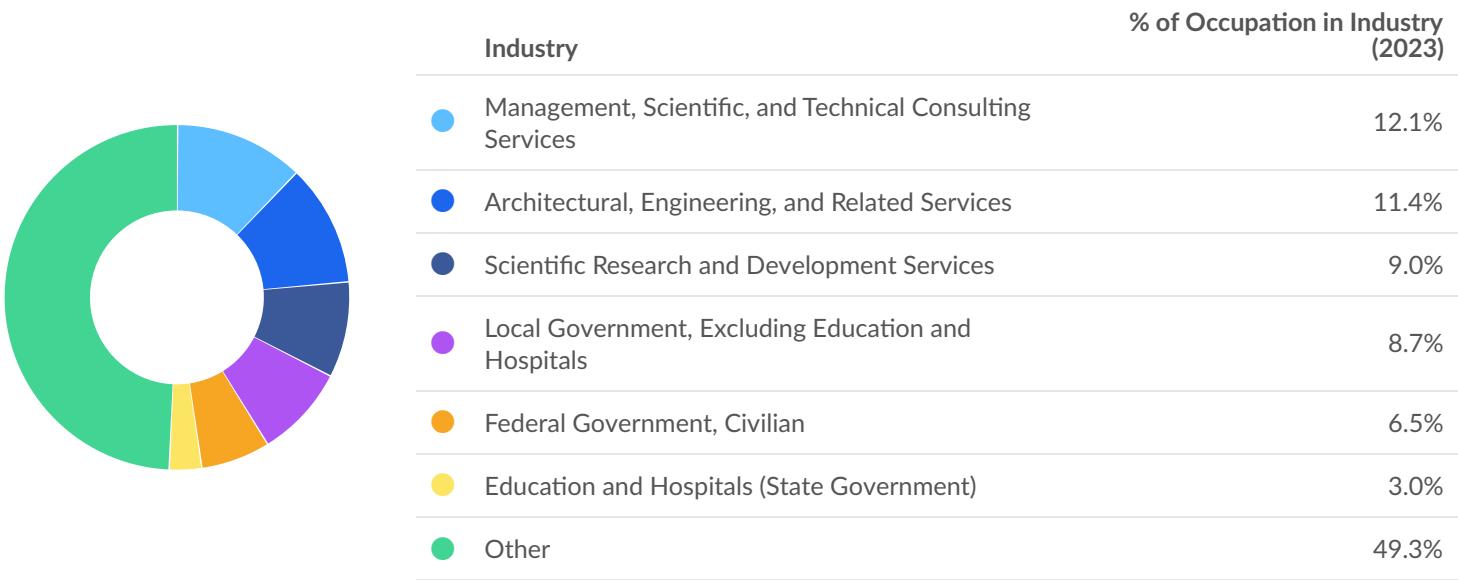
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Regional Breakdown



County	2023 Jobs
San Diego County, CA	2,115

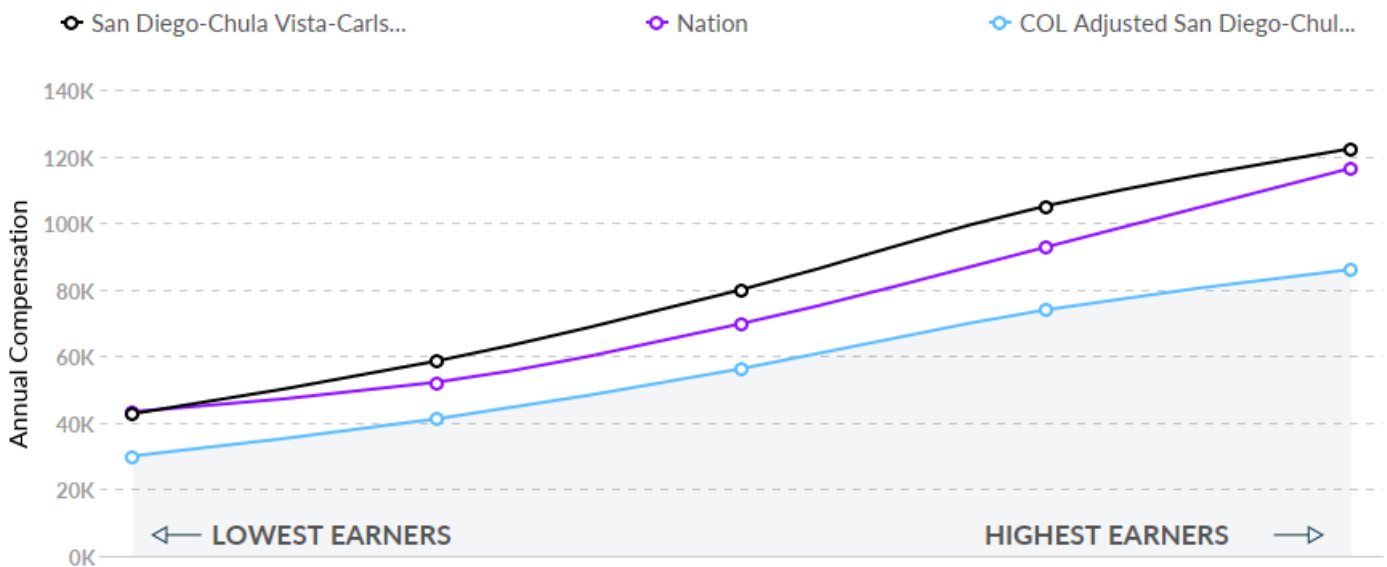
Most Jobs are Found in the Management, Scientific, and Technical Consulting Services Industry Sector



## Compensation

### Regional Compensation Is 15% Higher Than National Compensation

For your occupations, the 2023 median wage in San Diego-Chula Vista-Carlsbad, CA is \$79,936, while the national median wage is \$69,740.





## Job Posting Activity



### 1,895 Unique Job Postings

The number of unique postings for this job from Jan 2023 to Jun 2024.



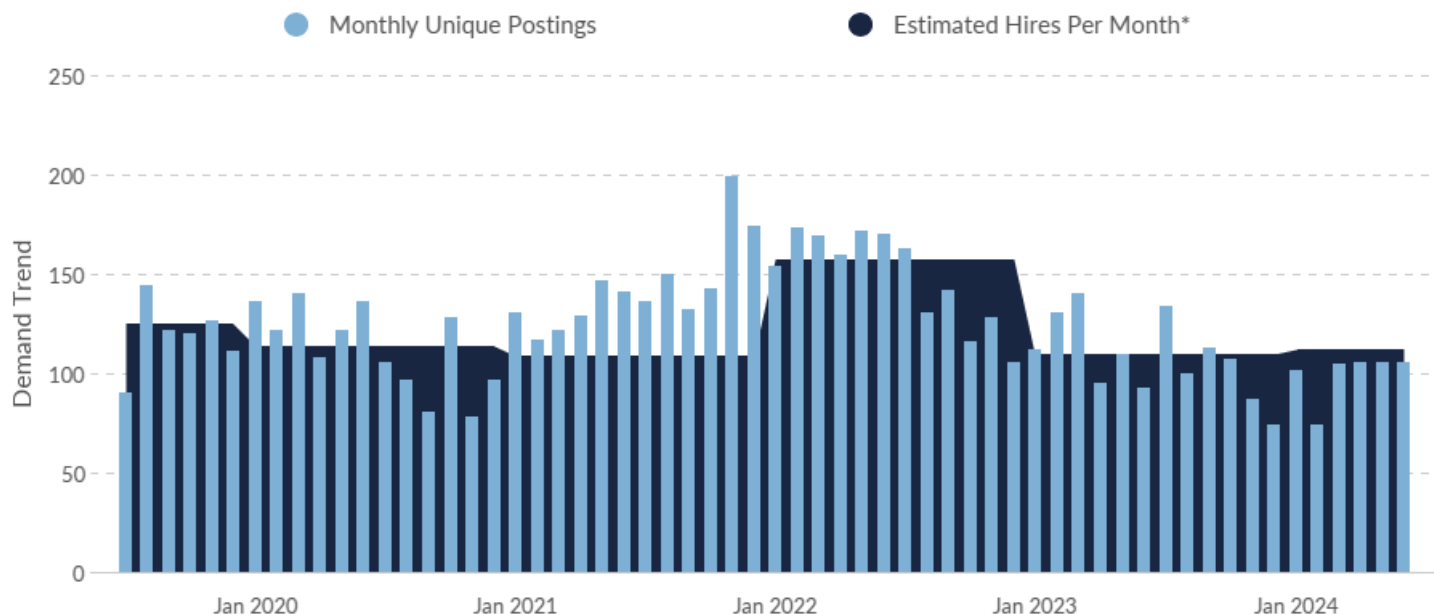
### 851 Employers Competing

All employers in the region who posted for this job from Jan 2023 to Jun 2024.



### 30 Day Median Duration

Posting duration is 2 days longer than what's typical in the region.



Occupation	Avg Monthly Postings (Jan 2023 - Jun 2024)	Avg Monthly Hires (Jan 2023 - Jun 2024)
Occupational Health and Safety Technicians	49	15
Occupational Health and Safety Specialists	46	68
Environmental Science and Protection Technicians, Including Health	9	20
Environmental Engineering Technologists and Technicians	1	7

\*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. Lightcast hires are calculated using a combination of Lightcast jobs data, information on separation rates from the Bureau of Labor Statistics (BLS), and industry-based hires data from the Census Bureau.

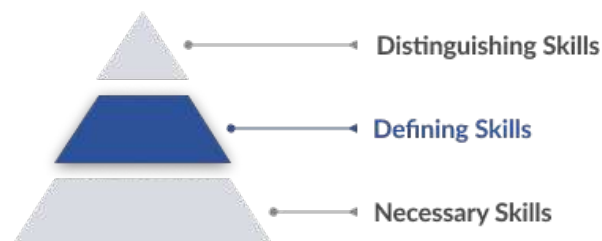
Top Companies	Unique Postings	Top Job Titles	Unique Postings
University of California	33 <div></div>	Environmental Health and Safet...	104 <div></div>
Transdev	26 <div></div>	Environmental Health and Safet...	73 <div></div>
County Of San Diego	23 <div></div>	Safety Managers	70 <div></div>
City Of San Diego	17 <div></div>	Safety Specialists	45 <div></div>
General Dynamics	16 <div></div>	Site Safety and Health Officers	42 <div></div>
Loram Maintenance Of Way	15 <div></div>	Safety Officers	38 <div></div>
United States Navy	15 <div></div>	Safety Coordinators	37 <div></div>
Amazon	13 <div></div>	Environmental Health Specialists	31 <div></div>
Grossmont College	12 <div></div>	Construction Safety Managers	30 <div></div>
Danaher	11 <div></div>	Industrial Hygienists	28 <div></div>

## Top Distinguishing Skills by Demand

Not enough data to display Distinguishing Skills for this occupation.

## Top Defining Skills by Demand

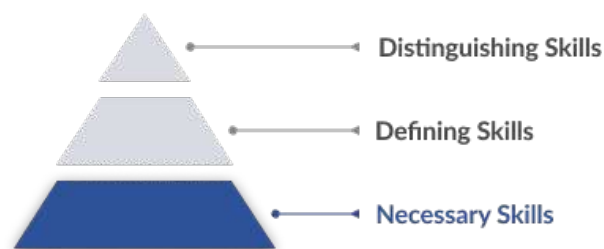
An occupation's Defining Skills represent the day-to-day tasks and responsibilities of the job. An employee needs these skills to qualify for and perform successfully in this occupation.



Skill	Salary Boosting	Job Postings Requesting	Projected Growth	Growth Relative to Market
Occupational Safety and Health Administration (OSHA)	✗	674	+11.3%	Growing
Environment Health And Safety	✗	632	+12.9%	Growing
Occupational Safety And Health	✓	535	+12.2%	Growing
Auditing	✗	423	+21.8%	Rapidly Growing
Valid Driver's License	✗	327	+7.5%	Stable
Certified Safety Professional	✗	256	+10.4%	Growing
Occupational Hygiene	✗	212	+13.4%	Growing
Safety Audits	✓	128	+8.8%	Growing
Job Safety Analysis	✓	93	+9.5%	Growing
Equipment Maintenance	✗	11	+9.1%	Growing

## Top Necessary Skills by Demand

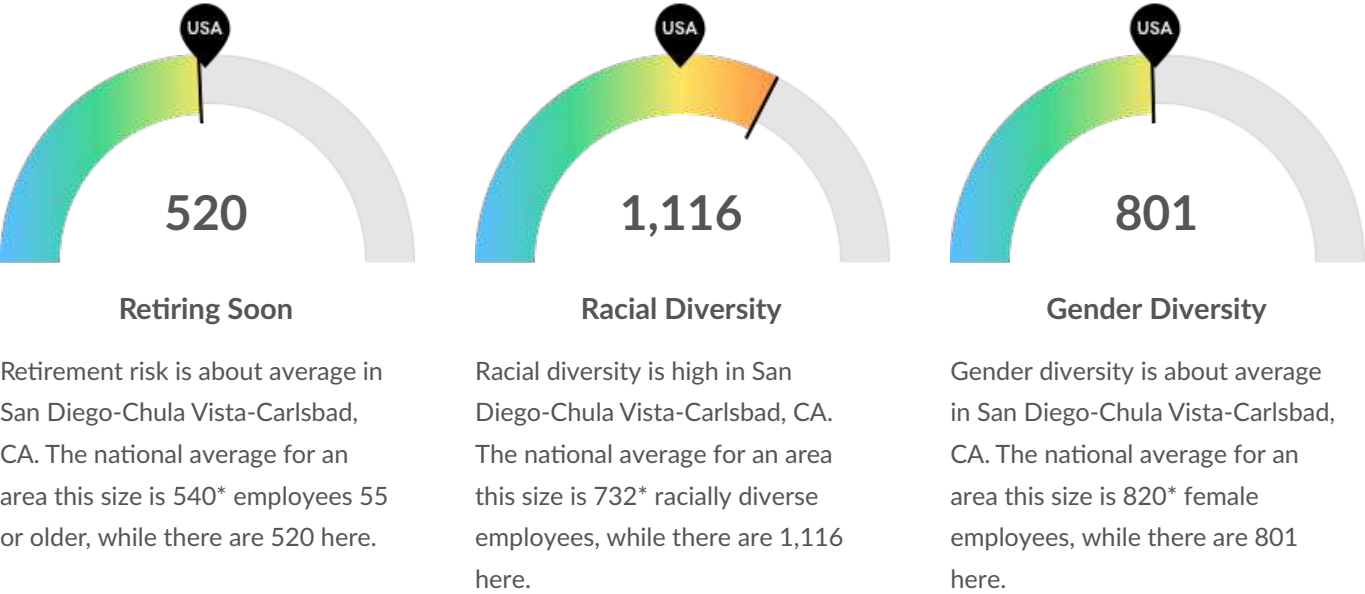
An occupation's Necessary Skills are the specialized skills required for that job and relevant across other similar jobs. An employee needs these skills as building blocks to perform the more complex Defining Skills.



Skill	Salary Boosting	Job Postings Requesting	Projected Growth	Growth Relative to Market
Occupational Safety and Health Administration (OSHA)	×	674	+11.3%	Growing
Environment Health And Safety	×	632	+12.9%	Growing
Valid Driver's License	×	327	+7.5%	Stable
Safety Training	×	309	+10.8%	Growing
Project Management	×	278	+19.8%	Rapidly Growing
Risk Analysis	×	254	+18.2%	Growing
Construction	×	245	+10.5%	Growing
Risk Management	×	222	+26.2%	Rapidly Growing
Cardiopulmonary Resuscitation (CPR) Certification	×	197	+14.8%	Growing
Emergency Response	×	196	+20.3%	Rapidly Growing

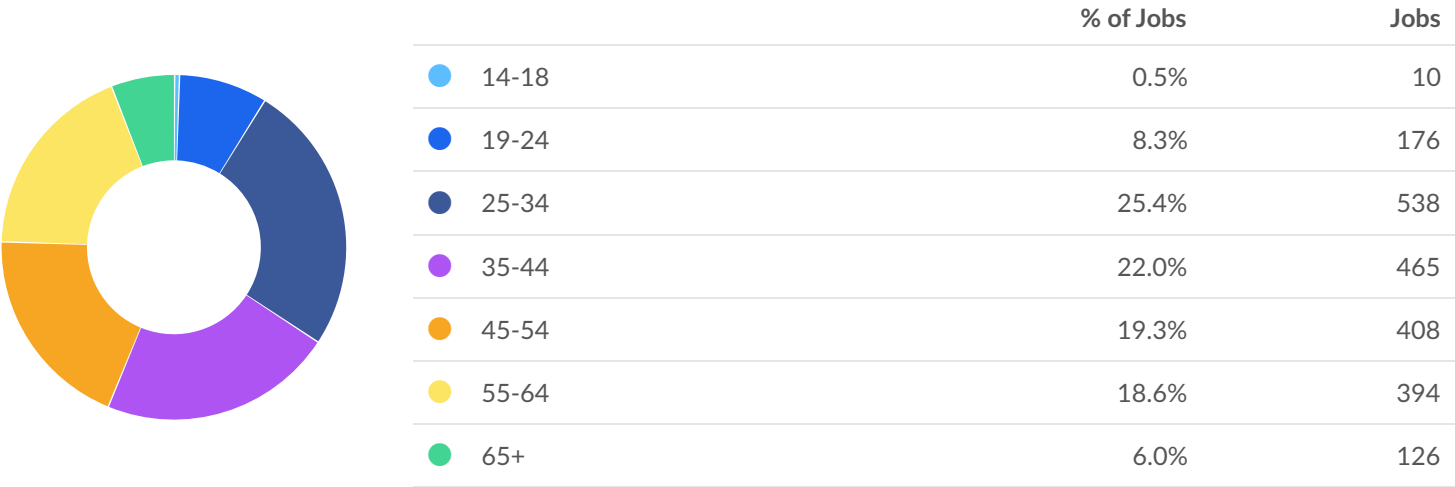
# Demographics

## Retirement Risk Is About Average, While Overall Diversity Is High

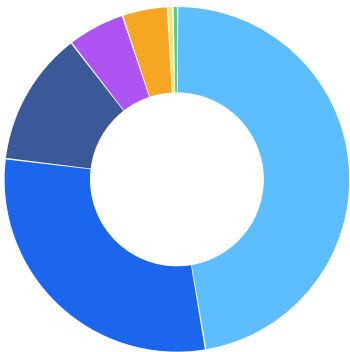


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## Occupation Age Breakdown



### Occupation Race/Ethnicity Breakdown



	% of Jobs	Jobs
White	47.3%	1,000
Hispanic or Latino	29.6%	626
Asian	12.6%	267
Black or African American	5.4%	114
Two or More Races	4.2%	90
American Indian or Alaska Native	0.5%	11
Native Hawaiian or Other Pacific Islander	0.4%	9

### Occupation Gender Breakdown



	% of Jobs	Jobs
Males	62.1%	1,314
Females	37.9%	801

# Occupational Programs



## 7 Programs

Of the programs that can train for this job, 7 have produced completions in the last 5 years.



## 1,857 Completions (2023)

The completions from all regional institutions for all degree types.



## 276 Openings (2023)

The average number of openings for an occupation in the region is 256.

CIP Code	Top Programs	Completions (2023)
26.0101	Biology/Biological Sciences, General	1,509 <div></div>
03.0103	Environmental Studies	226 <div></div>
03.0104	Environmental Science	74 <div></div>
15.0501	Heating, Ventilation, Air Conditioning and Refrigeration Eng...	35 <div></div>
15.0703	Industrial Safety Technology/Technician	11 <div></div>
15.0507	Environmental/Environmental Engineering Technology/Tech...	2 <div></div>



Top Schools	Completions (2023)	
University of California-San Diego	523	<div></div>
San Diego State University	394	<div></div>
California State University-San Marcos	248	<div></div>
San Diego Mesa College	115	<div></div>
University of San Diego	113	<div></div>
San Diego City College	97	<div></div>
Palomar College	85	<div></div>
San Diego Miramar College	62	<div></div>
Point Loma Nazarene University	60	<div></div>
Grossmont College	54	<div></div>

## 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 are 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

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

### Lightcast 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.