40.0801
in Region

Contents

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, resumés, 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

2 Occupations

11-9121	Natural Sciences Managers		19-2012	Physicists

4 Counties

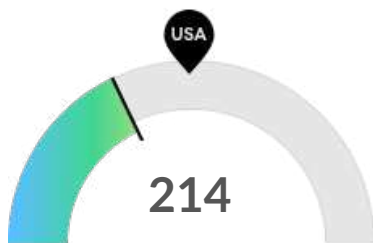|				
4003	Cochise County, AZ		4019	Pima County, AZ
4009	Graham County, AZ		4023	Santa Cruz County, AZ

Class of Worker

QCEW Employees and Non-QCEW Employees

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

Executive Summary

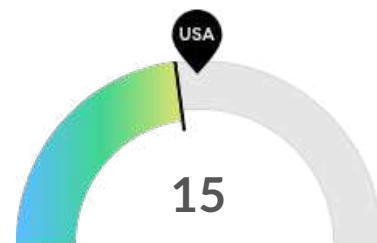## Light Job Posting Demand Over a Thin Supply of Regional Jobs

214

Jobs (2023)

Your area is not a hotspot for this kind of job. The national average for an area this size is 334* employees, while there are 214 here.

$126,293

Compensation

Earnings are low in your area. The national median salary for your occupations is $144,034, compared to $126,293 here.

15

Job Posting Demand

Job posting activity is low in your area. The national average for an area this size is 17* job postings/mo, while there are 15 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 your area. In other words, the values represent the national average adjusted for region size.

Jobs

## Regional Employment Is Lower Than the National Average

An average area of this size typically has 334* jobs, while there are 214 here. This lower than average supply of jobs may make it more difficult for workers in this field to find employment in your area.
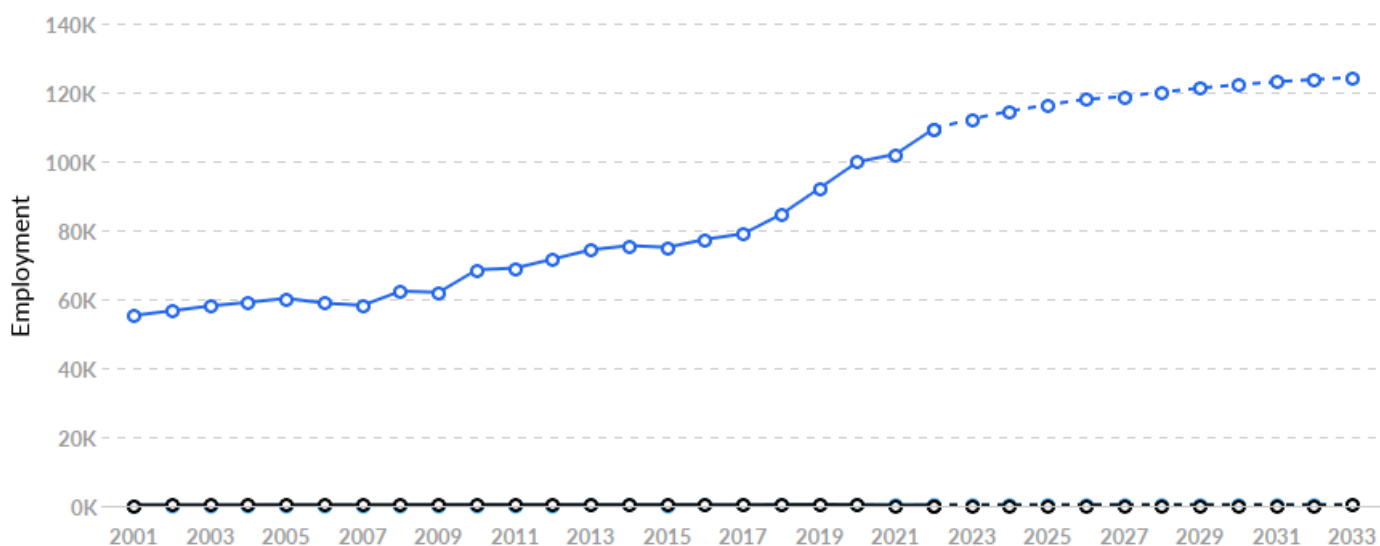
|	Region	2023 Jobs	2033 Jobs	Change	% Change
●	Region	214	234	20	9.3%
●	National Average	334	362	28	8.4%
●	United States	112,300	124,303	12,003	10.7%

*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 your area. In other words, the values represent the national average adjusted for region size.

Regional Breakdown
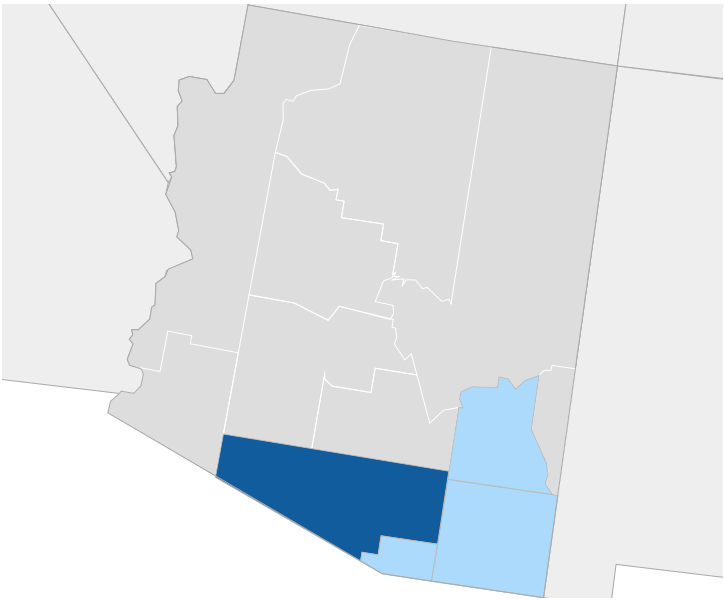
County	2023 Jobs
Pima County, AZ	171
Cochise County, AZ	27
Santa Cruz County, AZ	12
Graham County, AZ	<10

Most Jobs are Found in the Federal Government, Civilian Industry Sector
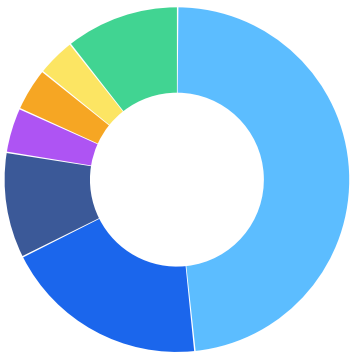
Industry	% of Occupation in Industry (2023)
● Federal Government, Civilian	48.3%
● Scientific Research and Development Services	19.3%
● Education and Hospitals (State Government)	9.9%
● State Government, Excluding Education and Hospitals	4.2%
● General Medical and Surgical Hospitals	4.0%
● Architectural, Engineering, and Related Services	3.6%
● Other	10.7%

Compensation

Regional Compensation Is 12% Lower Than National Compensation

For your occupations, the 2022 median wage in your area is $126,293, while the national median wage is $144,034.
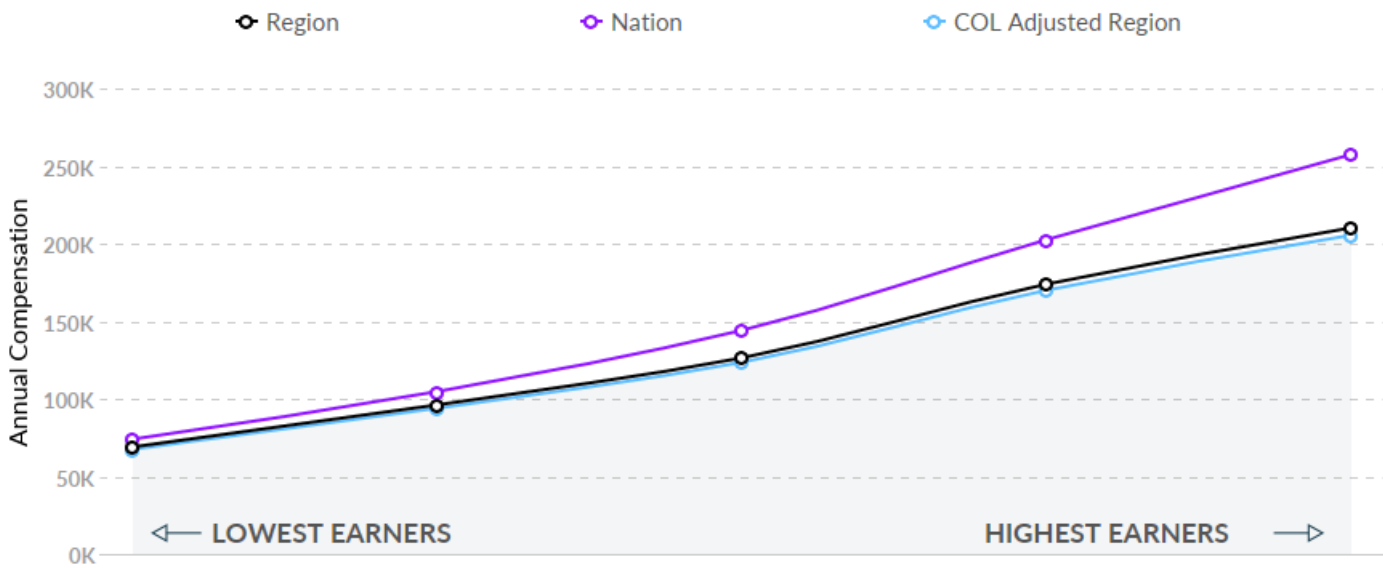
Job Posting Activity

169 Unique Job Postings

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

45 Employers Competing

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

29 Day Median Duration

Posting duration is 1 day longer than what's typical in the region.

● Monthly Unique Postings   ● Estimated Hires Per Month*
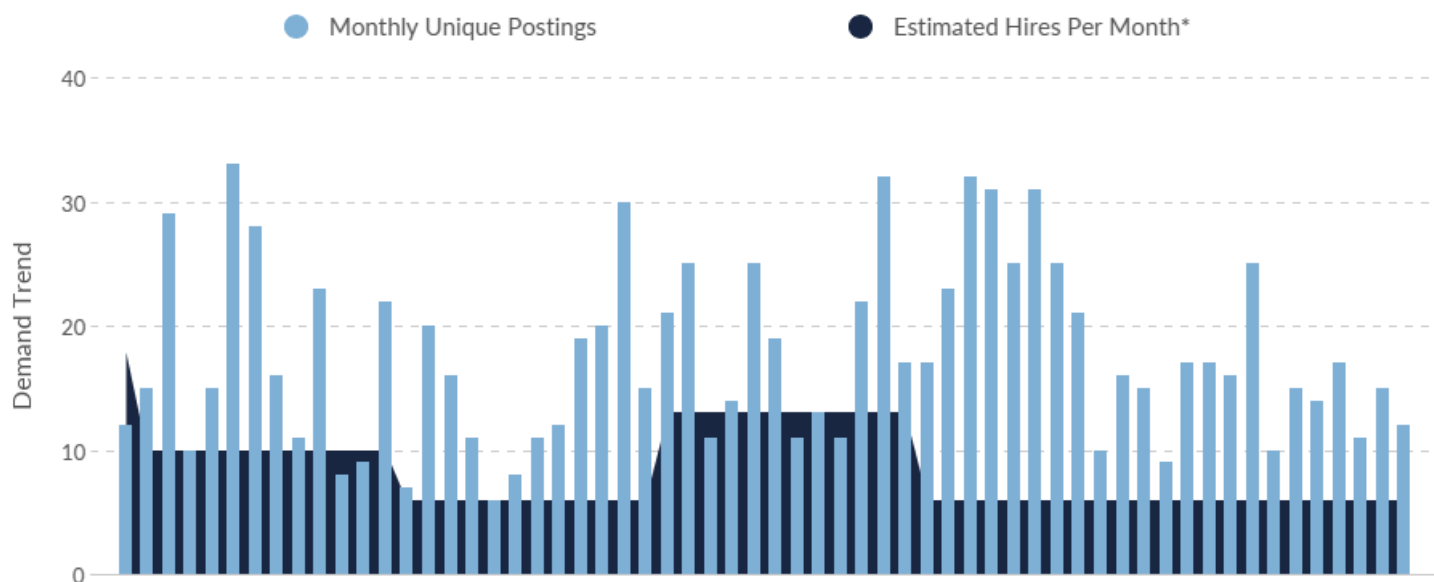
Occupation	Avg Monthly Postings (Jan 2023 - Nov 2023)	Avg Monthly Hires (Jan 2023 - Nov 2023)
Natural Sciences Managers	14	5
Physicists	1	0

*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 Arizona	67		Clinical Research Coordinators	67
Actalent	12		Clinical Research Managers	11
US Oncology Network	10		Research Coordinators	8
Wake Research Corporation	8		Clinical Trial Managers	6
Arizona Liver Health	4		Clinical Research Associates	5
Tucson Medical Center	4		Directors of Laboratory Operati...	4
Banner Health	3		Postdoctoral Fellows	4
Roche	3		Certified Physician Assistants	3
Zachary Piper Solutions	3		Physicists	3
Arizona Kidney Disease & Hype...	2		Postdoctoral Research Fellows	3

Top Distinguishing Skills by Demand

An occupation's Distinguishing Skills are the advanced skills that are called for occasionally. An employee with these skills is likely more specialized and able to differentiate themselves from others in the same role.
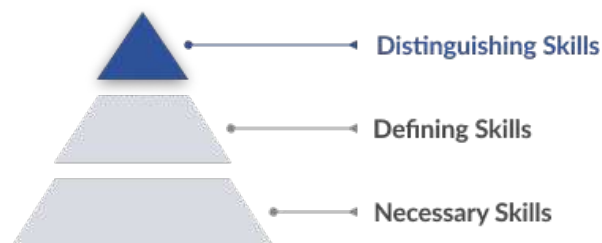
Skill	Salary Boosting	Job Postings Requesting
Human Subject Research	✅	25
Certified Risk Adjustment Coder (CRC)	❌	24
ICH Guidelines	✅	7
External Beam Radiotherapy	✅	6
Coherent Remote File System (CRFS)	✅	5
Site Selection	✅	4
Clinical Monitoring	✅	2
Clinical Study Design	❌	2
Volumetric-Modulated Arc Therapy (VMAT)	✅	1
Postdoctoral Research	❌	1

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.

Distinguishing Skills

Defining Skills

Necessary Skills
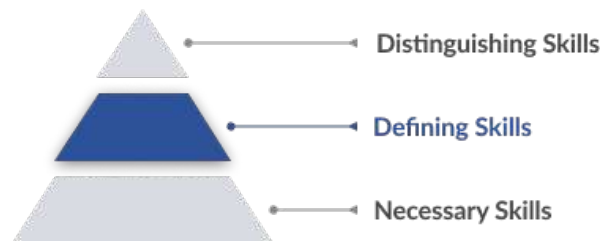
Skill	Salary Boosting	Job Postings Requesting
Clinical Research	❌	108
Clinical Trials	❌	94
Clinical Research Coordination	❌	80
Institutional Review Board (IRB)	❌	48
Informed Consent	✅	37
Good Clinical Practices (GCP)	❌	36
Regulatory Documents	❌	28
Treatment Planning	❌	20
Project Management	❌	20
Electronic Data Capture (EDC)	❌	15

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.

Distinguishing Skills

Defining Skills

Necessary Skills
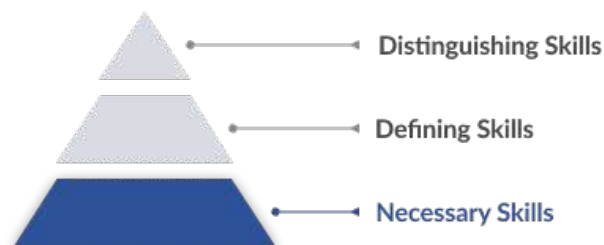
Skill	Salary Boosting	Job Postings Requesting
Data Collection	✖	40
Standard Operating Procedure	✖	32
Data Management	✖	28
Nursing	✖	21
Auditing	✖	17
Oncology	✔	12
Biology	✖	11
Radiology	✖	10
Data Analysis	✖	9
Pharmaceuticals	✖	9

Demographics

Retirement Risk Is High, While Overall Diversity Is About Average
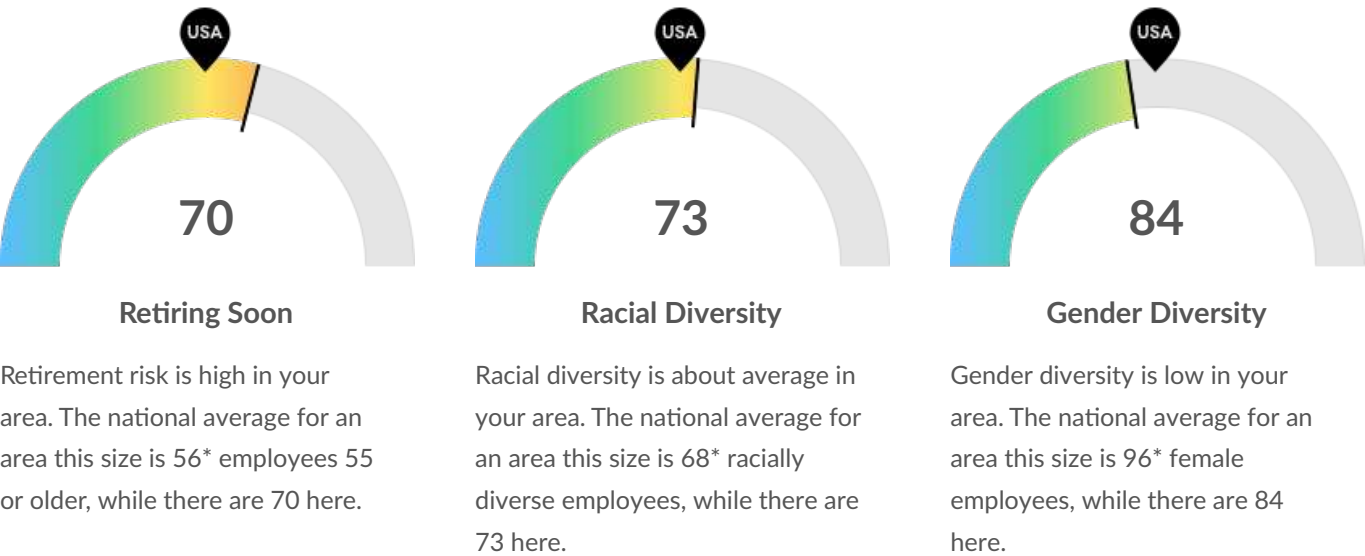
70

Retiring Soon

Retirement risk is high in your area. The national average for an area this size is 56* employees 55 or older, while there are 70 here.

73

Racial Diversity

Racial diversity is about average in your area. The national average for an area this size is 68* racially diverse employees, while there are 73 here.

84

Gender Diversity

Gender diversity is low in your area. The national average for an area this size is 96* female employees, while there are 84 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 your area. In other words, the values represent the national average adjusted for region size.

Occupation Age Breakdown

	% of Jobs	Jobs
14-18	0.0%	0
19-24	4.3%	9
25-34	18.5%	39
35-44	22.6%	48
45-54	21.4%	45
55-64	23.5%	50
65+	9.7%	20
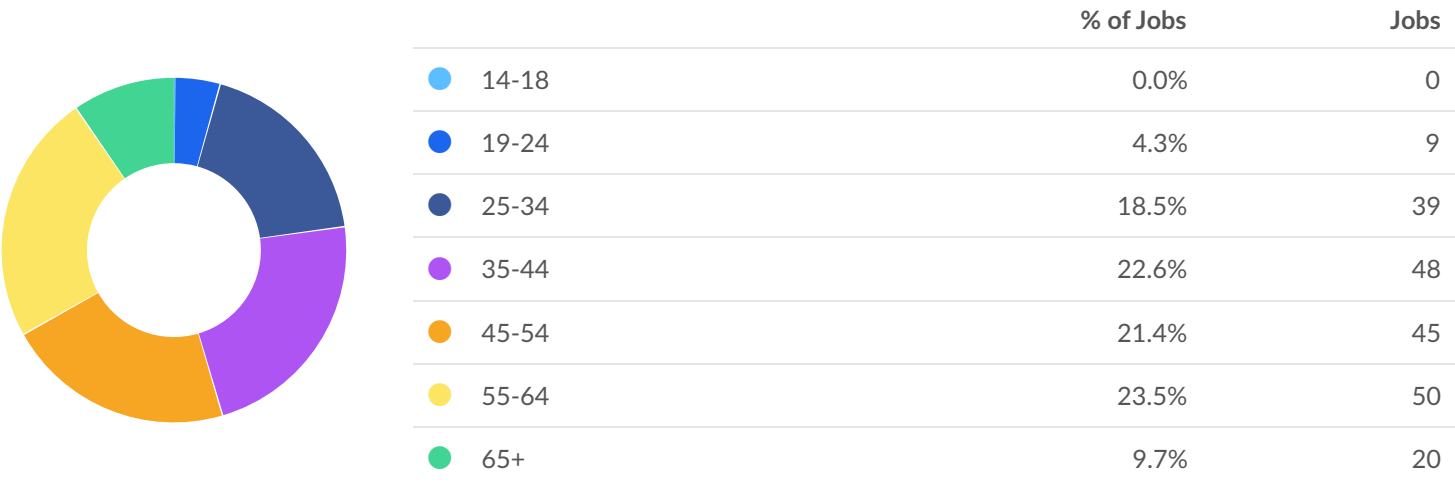
Occupation Race/Ethnicity Breakdown
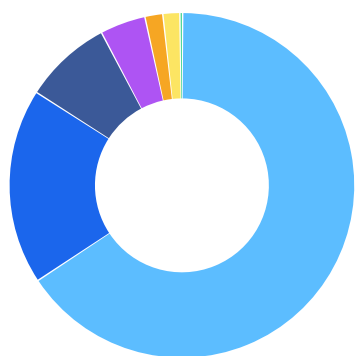
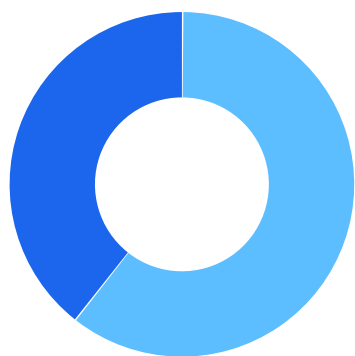|		% of Jobs	Jobs
●	White	65.6%	139
●	Hispanic or Latino	18.3%	39
●	Asian	8.2%	17
●	Two or More Races	4.3%	9
●	Black or African American	1.7%	4
●	American Indian or Alaska Native	1.6%	3
●	Native Hawaiian or Other Pacific Islander	0.3%	1

Occupation Gender Breakdown

		% of Jobs	Jobs
●	Males	60.5%	128
●	Females	39.5%	84

Occupational Programs

41 Programs

Of the programs that can train for this job, 41 have produced completions in the last 5 years.

1,173 Completions (2022)

The completions from all regional institutions for all degree types.

17 Openings (2022)

The average number of openings for an occupation in the region is 77.

CIP Code	Top Programs	Completions (2022)
30.1901	Nutrition Sciences	151
26.1501	Neuroscience	128
40.0807	Optics/Optical Sciences	121
26.0101	Biology/Biological Sciences, General	115
27.0101	Mathematics, General	77
40.0601	Geology/Earth Science, General	70
26.0202	Biochemistry	68
40.0501	Chemistry, General	50
26.0502	Microbiology, General	45
40.0801	Physics, General	38

Top Schools	Completions (2022)
University of Arizona	1,166
Cochise County Community College District	6
Eastern Arizona College	1

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

Emsi'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.