Occupation Report

Detectives and Criminal Investigators

Sacramento-Roseville-Folsom, CA MSA

Occupation Snapshot

6-Digit Occupation	Empl	Avg Mean Wages	LQ	3-Year Empl Change	Annual Demand	Forecast Ann Growth
Detectives and Criminal Investigators	1,740	$105,000	2.36	52	140	0.1%
Detectives and Criminal Investigators	**1,740**	**$105,000**	**2.36**	**52**	**140**	**0.1%**

Detectives and Criminal Investigators

Current
1,740

1,800
1,760
1,720
1,680
1,640
1,600

Employment

2020Q1 2021Q1 2022Q1 2023Q1

—— Historical - - Forecast

undefined
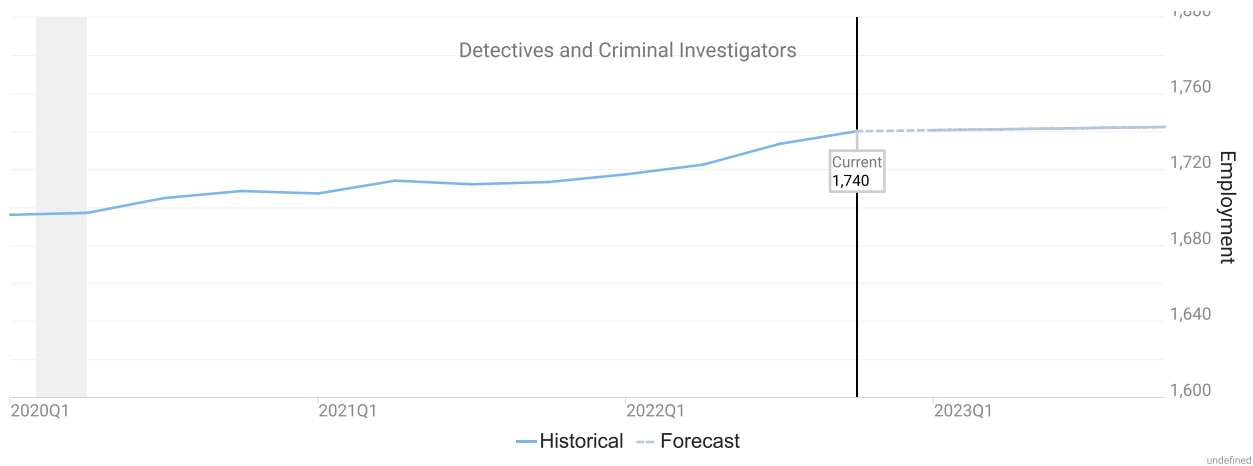
💡 "Annual Demand" is the projected need for new entrants into an occupation. New entrants are needed due to expected growth and to replace workers who left the occupation due to factors such as retirement or switching careers.

💡 "Forecast Ann Growth" is the expected change in jobs due to national, long-term trend projections (per the BLS) as well as local factors such as industry mix and population growth (as computed and modeled by Chmura).

Employment by Industry

Industry Title	% of Occ Empl	Empl	10-Year Separations	10-Year Empl Growth	10-Year Total Demand
Executive, Legislative, and Other General Government Support	31.1%	542	432	10	441
Justice, Public Order, and Safety Activities	19.6%	341	274	11	285
Administration of Human Resource Programs	17.7%	308	244	2	247
Administration of Environmental Quality Programs	15.0%	261	207	0	207
Administration of Economic Programs	13.6%	237	187	-1	186
National Security and International Affairs	1.3%	23	18	0	18
Administration of Housing Programs, Urban Planning, and Community Development	1.1%	19	15	0	15
All Others	0.5%	8	7	0	7

The industry distribution indicates the industries in which workers in the occupation(s) are primarily found.

"10-Year Empl Growth" may show industries with positive as well as negative growth; this would indicate that the occupation(s) being examined are expected to expand within some industries while contracting in others.
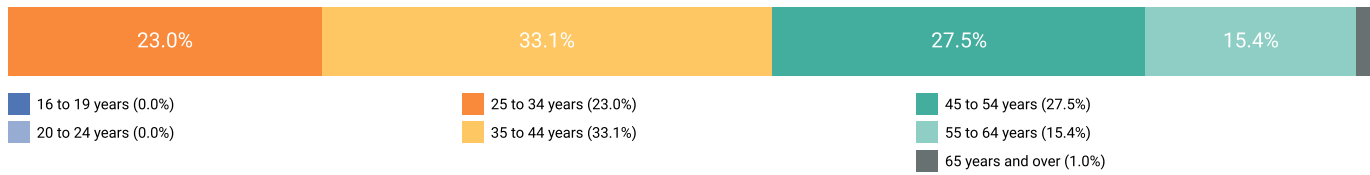
Wages
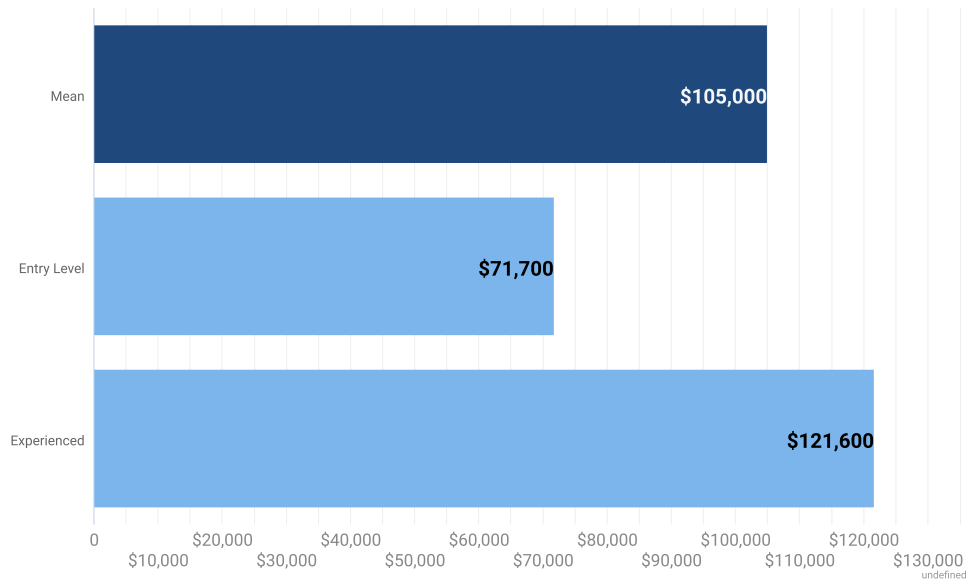
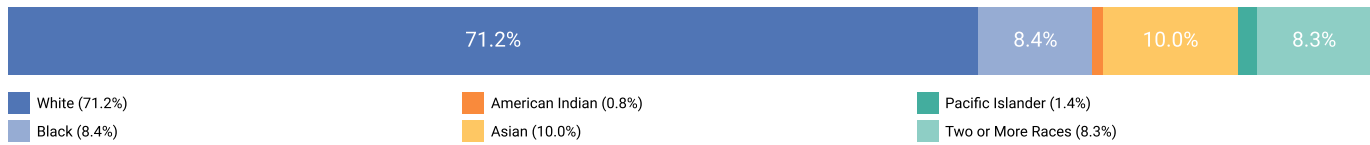| Occupation	Mean	Median	Entry Level	Experienced
Detectives and Criminal Investigators	$105,000	$106,300	$71,700	$121,600

Occupation wages here utilize BLS OEWS data, imputed and brought forward by Chmura.

When this report is run for an occupation group, the table above displays up to the top ten detailed occupations which have the highest average wages within the occupation group.
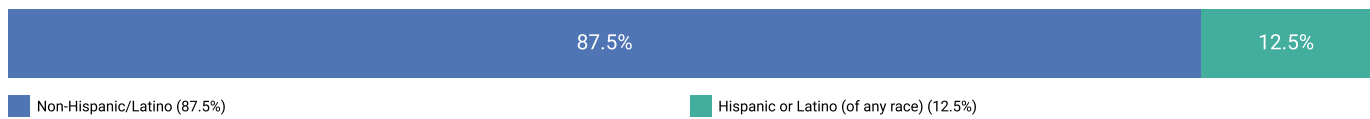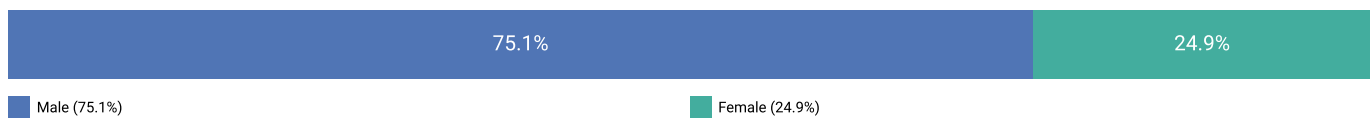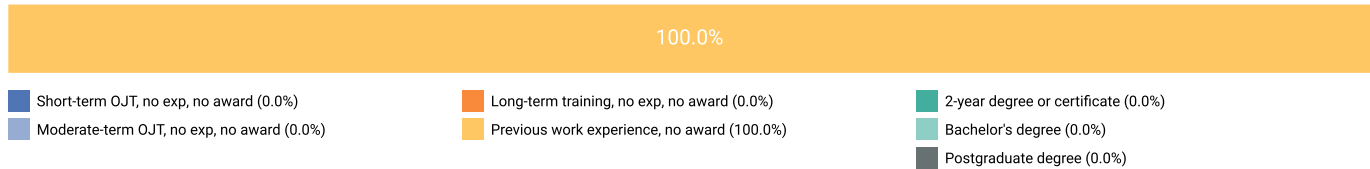
Occupation Demographics

Age

23.0%	33.1%	27.5%	15.4%	

- 16 to 19 years (0.0%)
- 20 to 24 years (0.0%)
- 25 to 34 years (23.0%)
- 35 to 44 years (33.1%)
- 45 to 54 years (27.5%)
- 55 to 64 years (15.4%)
- 65 years and over (1.0%)

Race

71.2%	8.4%	10.0%	8.3%

- White (71.2%)
- Black (8.4%)
- American Indian (0.8%)
- Asian (10.0%)
- Pacific Islander (1.4%)
- Two or More Races (8.3%)

Ethnicity

87.5%	12.5%

- Non-Hispanic/Latino (87.5%)
- Hispanic or Latino (of any race) (12.5%)

Gender

75.1%	24.9%

- Male (75.1%)
- Female (24.9%)

Education and Training Requirements

100.0%

- Short-term OJT, no exp, no award (0.0%)
- Moderate-term OJT, no exp, no award (0.0%)
- Long-term training, no exp, no award (0.0%)
- Previous work experience, no award (100.0%)
- 2-year degree or certificate (0.0%)
- Bachelor's degree (0.0%)
- Postgraduate degree (0.0%)

Education Profile

Educational Attainment

| 6.0% | 15.5% | 11.7% | 48.1% | 15.5% | |

- ■ < High School (0.3%)
- ■ High School (6.0%)
- ■ Some College (15.5%)
- ■ Two-Year (11.7%)
- ■ Four-Year (48.1%)
- ■ Master's (15.5%)
- ■ PhD (3.0%)
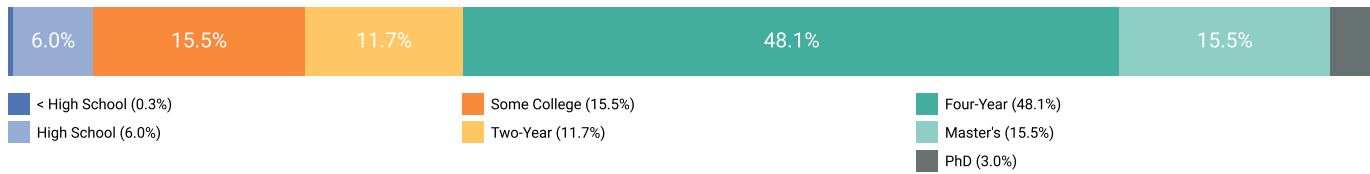
Occupation	Typical Entry-Level Education	Previous Work Experience	Typical On-the-Job Training
Detectives and Criminal Investigators	High school diploma or equivalent	Less than 5 years	Moderate-term on-the-job training

💡 The stacked bar chart here illustrates the estimated mix of educational attainment of the workers in this occupation(s) in aggregate.

💡 The table indicates typical education and training requirements rather than the mix of attainment of workers in such positions.

# Postsecondary Programs Linked to Detectives and Criminal Investigators

Program	Awards
American River College	
Criminal Justice/Law Enforcement Administration	72
California State University-Sacramento	
Criminal Justice/Safety Studies	493
Folsom Lake College	
Criminal Justice/Law Enforcement Administration	48
Lake Tahoe Community College	
Criminal Justice/Law Enforcement Administration	16
Sacramento City College	
Criminal Justice/Law Enforcement Administration	132
Criminal Justice/Police Science	0
Sierra College	
Criminal Justice/Law Enforcement Administration	149
Criminal Justice/Police Science	0
William Jessup University	
Criminal Justice/Law Enforcement Administration	7
Woodland Community College	
Criminal Justice/Law Enforcement Administration	51

The number of graduates from postsecondary programs in the region identifies the pipeline of future workers as well as the training capacity to support industry demand.

Among postsecondary programs at schools located in the Sacramento-Roseville-Folsom, CA MSA, the sampling above identifies those most linked to Detectives and Criminal Investigators. For a complete list see JobsEQ®, http://www.chmuraecon.com/jobseq

RTI (Job Postings)

Active Job Ads by Date

■ Jul 4, 2022 to Jun 25, 2023   ■ Jul 5, 2021 to Jun 26, 2022
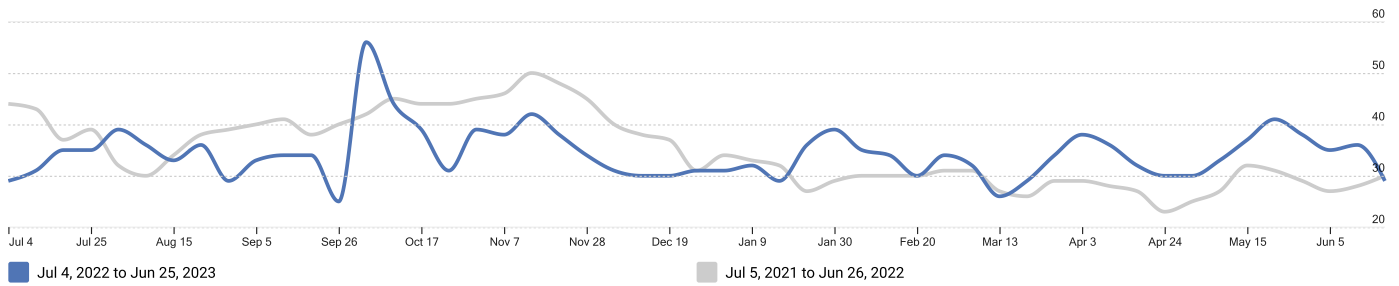
Online job ads are a timely indicator of local demand. Occupation assignments shown below are made by Chmura based upon analysis of job titles and job descriptions. Top employers and listed job requirements are shown on the following pages.

Occupations

SOC	Occupation	Active Job Ads	
33-3021.00	Detectives and Criminal Investigators	274	
33-3021.06	Intelligence Analysts	50	
33-3021.02	Police Identification and Records Officers	20	

Locations

Location	Active Job Ads	
Sacramento, California	127	
Sacramento County, California	115	
Placerville, California	7	
Auburn, California	5	
Rancho Cordova, California	5	
Woodland, CA 95695	4	
Remote in Sacramento, CA 95811	3	
Sacramento, CA 95814 (Downtown area)	3	
Sacramento, CA, 95811, US	3	
Antelope, CA, 95843, US	2	

Employers

Employer Name	Active Job Ads	
CA DEPARTMENT OF JUSTICE	52	
State of California Department of Justice	39	
State of California Department of Consumer Affairs	19	
State of California Department of Corrections & Rehabilitation	11	
Command Investigations	8	
CA LOTTERY	7	
DigiStream Investigations, Inc.	7	
Federal Bureau of Investigation (FBI)	7	
State of California Department of Cannabis Control	7	
UNITED STATES SECRET SERVICE	7	

Hard Skills

Skill Name	Active Job Ads	
Telecommunications	68	
Microsoft Excel	66	
Microsoft Word	63	
Microsoft Outlook	44	
Microsoft Office	32	
Auditing	31	
Bilingual	26	
Teaching/Training, Job	26	
Report Writing/Report Preparation	25	
Law Enforcement	24	

Job Titles

Job Title	Active Job Ads	
Investigator	29	
Special Investigator	27	
Special Agent	18	
CRIME ANALYST III	8	
CRIME ANALYST SUPERVISOR	8	
SUPERVISING SPECIAL INVESTIGATOR I (NON-PEACE OFFICER)	7	
Special Agent Supervisor Specialist - Complaint Assessment Team	7	
FBI Special Agent	6	
Claims/Field Investigator	5	
Criminal Investigator	5	

Education Levels

Minimum Education Level	Active Job Ads	
Bachelor's degree	76	
High school diploma or equivalent	36	
Associate's degree	5	
Master's degree	2	
Unspecified/other	225	

Programs

Program Name	Active Job Ads	
Criminal Justice	27	
Business Administration	8	
Political Science	8	
Statistics	7	
Marketing	6	
Sociology	6	
Law Enforcement	5	
Psychology	5	
Computer Science	4	
English	4	

Top Skill and Certification Gaps

Top 10 Skill Gaps in Sacramento-Roseville-Folsom, CA MSA

Name	Candidates	Openings	Gap
Word Processing	0	8	-8
Personal Computers (PC)	0	7	-7
Teaching/Training, Job	4	11	-7
Keyboarding/Typing	0	4	-4
Report Writing/Report Preparation	6	9	-3
Presentation	3	5	-3
Workers' Compensation	0	3	-3
Statistical Analysis	0	2	-2
Spanish	2	5	-2
Data Analysis	1	4	-2

Top 10 Certification Gaps in Sacramento-Roseville-Folsom, CA MSA

| Name	Candidates	Openings	Gap
Certified Fraud Examiner (CFE)	0	1	-1
Commercial Driver's License (CDL)	0	1	-1
First Aid Certification	1	1	0
Certification in Cardiopulmonary Resuscitation (CPR)	1	1	0
GIAC Security Essentials Certification (GSEC)	1	0	1
Secret Clearance	8	7	1
GIAC Certified Incident Handler (GCIH)	1	0	1

Skill and certifications gaps can help inform employee development programs, as well as provide a comparison of the needs of regional employers to the supply.

Occupation Gaps

| Supply Deficit	Supply Surplus

Detectives and Criminal Investigators ($105,000)

−1
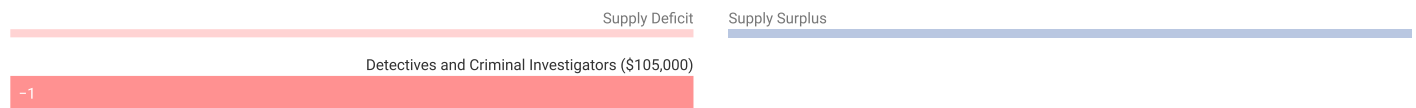
💡 The above are the potential average annual gaps over 10 years. Many variables go into this analysis, but at its core it is based on a forecast comparing occupation demand growth to the local population growth and the projected educational attainment of those residents. When an area, for example, has an occupation expected to grow quickly but the educational requirement for the occupation does not match well with the educational attainment of its residents, there is a high potential for an occupation shortfall in the region. Alternatively, slow-growing or contracting occupations often represent potential supply surpluses.

💡 The potential supply shortfall is an underlying force that the market needs to resolve one way or another, such as by employers recruiting from further distances for these occupations, wages going up to attract more candidates, and/or increased demand and wages enticing more local residents to get training for these occupations. While this an important analysis for determining local occupation needs, the occupation gap should be considered along with other regional data including growth and separation forecasts, unemployment rates, wage trends, and award and skill gap analyses.

Geographic Distribution
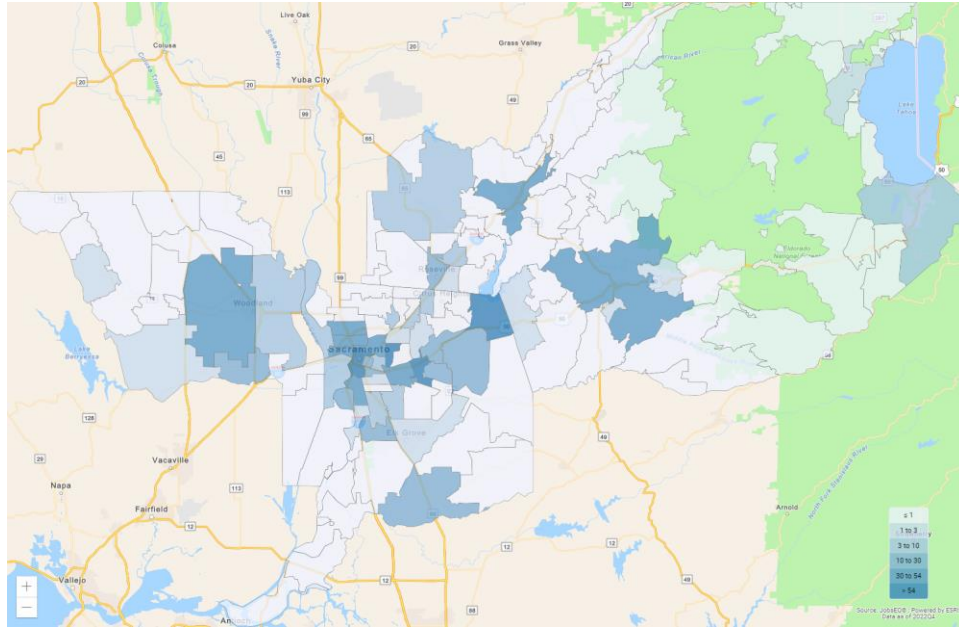
Top ZCTAs by Place of Work for Detectives and Criminal Investigators, 2022Q4

Region	Employment
ZCTA 95814	750
ZCTA 95811	118
ZCTA 95827	97
ZCTA 95818	66
ZCTA 95630	57
ZCTA 95825	54
ZCTA 95603	42
ZCTA 95605	40
ZCTA 95826	40
ZCTA 95833	34
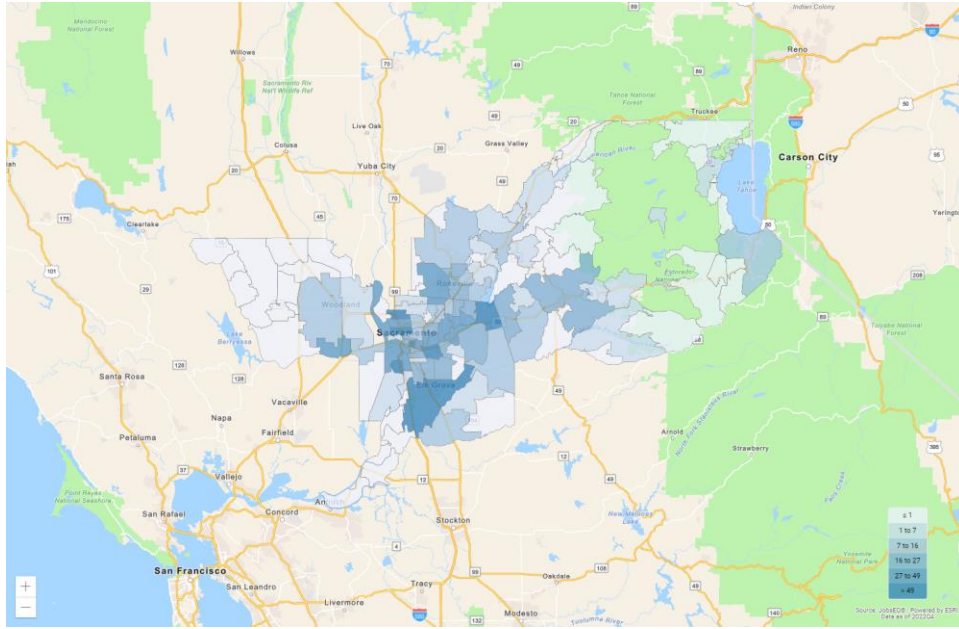
Top ZCTAs by Place of Residence for Detectives and Criminal Investigators, 2022Q4

Region	Employment
ZCTA 95630	87
ZCTA 95831	85
ZCTA 95758	76
ZCTA 95757	68
ZCTA 95835	60
ZCTA 95624	59
ZCTA 95826	57
ZCTA 95833	50
ZCTA 95816	49
ZCTA 95608	49

"Place of work" employment is based upon the location of employers for these workers. "Place of residence" data refers to the home locations of the workforce, which is typically the preferred data set to use when calculating labor availability within a drive-time or radius of a potential worksite.

Sacramento-Roseville-Folsom, CA MSA Regional Map
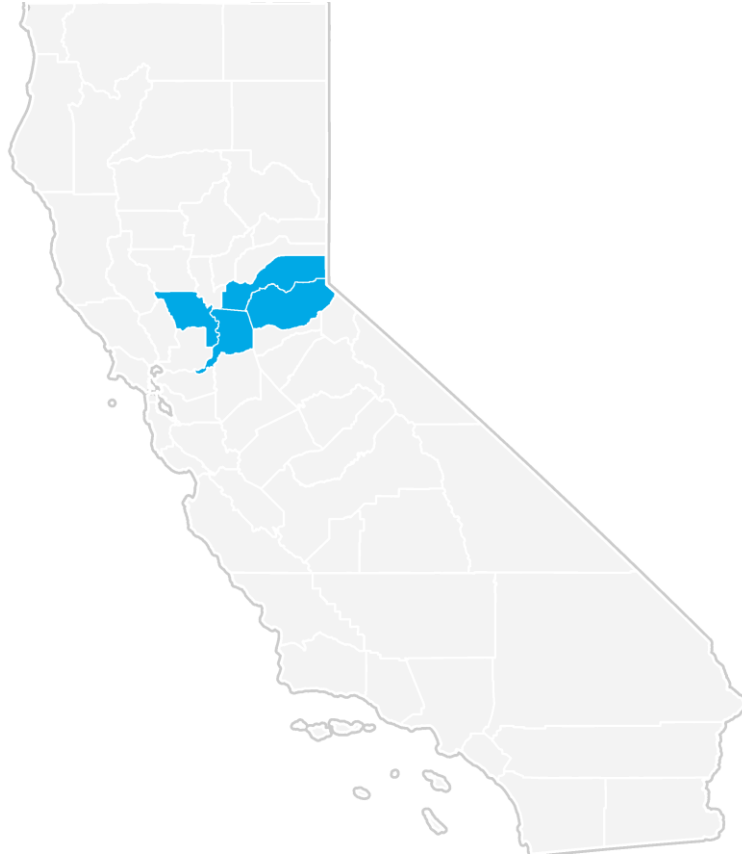
Data Notes

- Occupation employment by default indicates employment by place of work. Occupation employment is as of 2022Q4 and is based on industry employment and local staffing patterns calculated by Chmura and utilizing BLS OEWS data. Employment forecasts are modeled by Chmura and are consistent with BLS national-level 10-year forecasts. Wages by occupation are as of 2022Q4, utilizing BLS OEWS data, imputed and brought forward by Chmura. Entry-level and experienced wages are derived from these source data, computed by Chmura.

- Industry employment is as of 2022Q4 and is based upon BLS QCEW data, imputed by Chmura where necessary, and supplemented by additional sources including Census ZBP data.

- Education and training requirements are from the BLS. Educational attainment mix and other occupation demographics data are modeled by Chmura for 2022Q4 using regional occupation employment from JobsEQ, ZCTA-level demographics data from the Census Bureau, and national occupation-demographics patterns from the BLS.

- Postsecondary awards are per the NCES and are for the 2020-2021 academic year. Any programs shown are linked with the occupation(s) being analyzed via the program-occupation crosswalk, which may not be comprehensive. Any programs shown reflect only data reported to the NCES; reporting is required of all Title IV schools. Training providers that do not report data to the NCES are not reflected.

- Job ads data are online job posts from the Real-Time Intelligence (RTI) data set, produced wholly by Chmura and gleaned from over 40,000 websites. Data reflect ads active during the last twelve month period ending 07/05/2023 and advertised for any Zip Code Tabulation Area in or intersecting with the region for which this report was produced. Historical ad volume is revised as additional data are made available and processed. Since many extraneous factors can affect short-term volume of online job postings, time-series data can be volatile and should be used with caution. All ad counts represent deduplicated figures.

- For skill and certification gaps, openings and candidates are based upon regional occupation demand (growth plus separations) and the percent of skill demand and supply. Skill demand mix data are per a one-year sample of RTI data; skill supply data are estimated using a five-year sample of resumes data; both data sets compiled as of August 2021. Data may be based, at least in part, on data from broader geographies; see the Skill Gaps analytic export for more details.

- Occupation gaps are modeled by Chmura, indicating long-term potential supply and demand mismatches in a region due, in part, to job demand and labor pool dyanamics, including educational attainment and projected growth.

- Occupation employment by place of residence is as of 2022Q4 and modeled by Chmura based upon occuaption employment by place of work and commuting patterns. Commuting patterns are derived from source data from the Census Bureau, occupation-specific commuting tendancies, and updated to reflect more recent population and employment estimates.

- Figures may not sum due to rounding.

Region Definition

Sacramento-Roseville-Folsom, CA MSA is defined as the following counties:

El Dorado County, California	Sacramento County, California
Placer County, California	Yolo County, California

FAQ

What is (LQ) location quotient?

Location quotient is a measurement of concentration in comparison to the nation. An LQ of 1.00 indicates a region has the same concentration of an industry (or occupation) as the nation. An LQ of 2.00 would mean the region has twice the expected employment compared to the nation and an LQ of 0.50 would mean the region has half the expected employment in comparison to the nation.

What is annual demand?

Annual demand is a of the sum of the annual projected growth demand and separation demand. Separation demand is the number of jobs required due to separations—labor force exits (including retirements) and turnover resulting from workers moving from one occupation into another. Note that separation demand does not include all turnover—it does not include when workers stay in the same occupation but switch employers. Growth demand is the increase or decrease of jobs expected due to expansion or contraction of the overall number of jobs.