



# Occupation Report

## Psychologists

Sacramento-Roseville-Folsom, CA MSA



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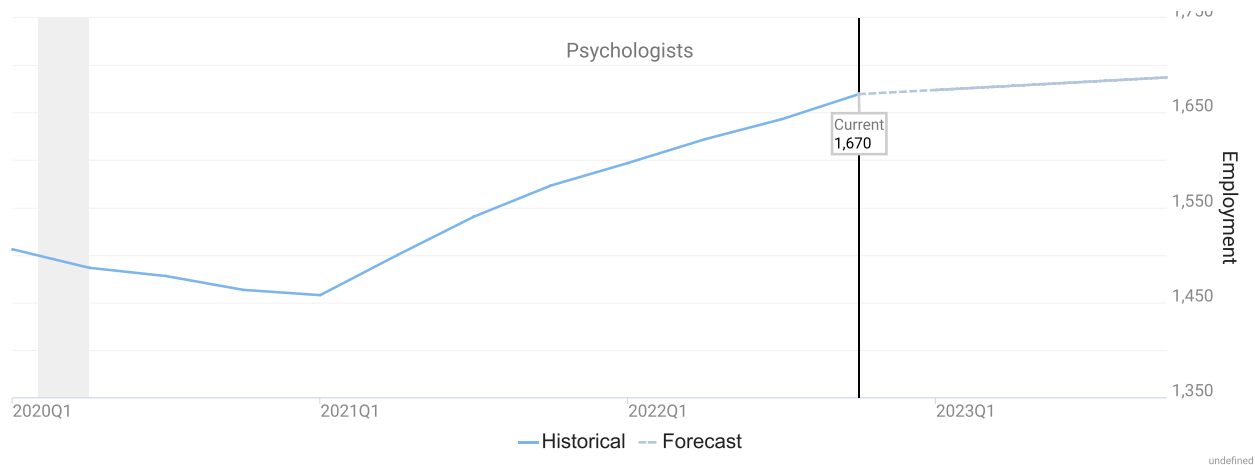
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# Occupation Snapshot

6-Digit Occupation	Empl	Avg Mean Wages	LQ	3-Year Empl Change	Annual Demand	Forecast Ann Growth
Clinical and Counseling Psychologists	760	\$126,400	1.64	168	61	1.3%
School Psychologists	473	\$96,200	1.12	13	41	0.9%
Psychologists, All Other	384	\$136,700	1.00	3	31	0.8%
Industrial-Organizational Psychologists	53	\$129,800	1.48	2	4	0.9%
<b>Psychologists</b>	<b>1,670</b>	<b>\$120,300</b>	<b>1.28</b>	<b>186</b>	<b>137</b>	<b>1.1%</b>



- 💡 “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).

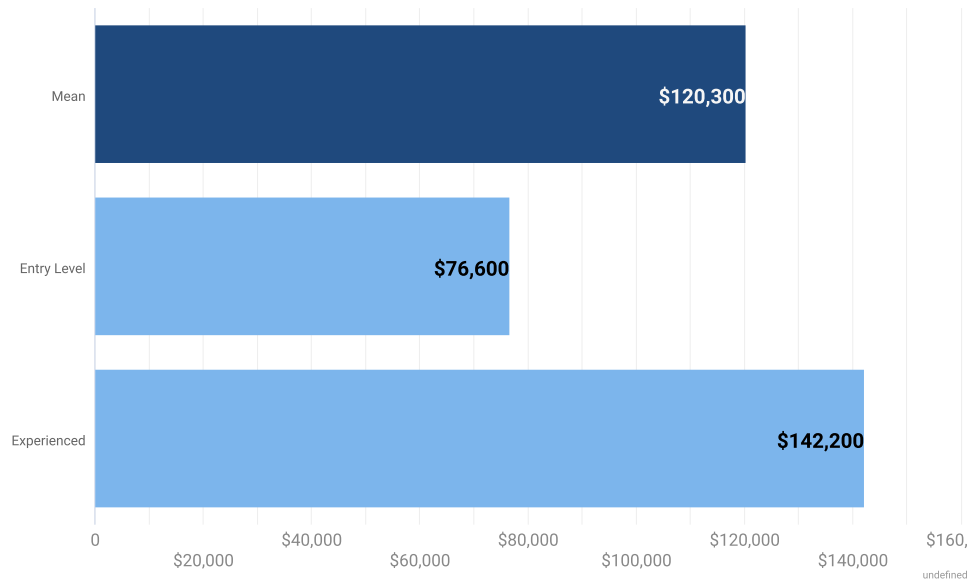
# Employment by Industry

Industry Title	% of Occ Empl	Empl	10-Year Separations	10-Year Empl Growth	10-Year Total Demand
Offices of Other Health Practitioners	33.9%	566	403	74	477
Elementary and Secondary Schools	23.3%	389	302	32	334
Outpatient Care Centers	6.0%	99	71	22	92
Individual and Family Services	5.8%	96	74	27	101
Executive, Legislative, and Other General Government Support	5.0%	84	54	0	55
Offices of Physicians	4.0%	67	47	7	54
Administration of Human Resource Programs	2.9%	49	32	0	32
Colleges, Universities, and Professional Schools	2.8%	47	35	6	41
Administration of Environmental Quality Programs	2.7%	46	30	0	30
Justice, Public Order, and Safety Activities	2.6%	44	29	1	30
Administration of Economic Programs	2.5%	42	28	0	27
General Medical and Surgical Hospitals	2.3%	39	26	3	29
Educational Support Services	1.6%	27	21	3	24
Scientific Research and Development Services	0.8%	13	9	1	11
Psychiatric and Substance Abuse Hospitals	0.7%	11	8	3	11
All Others	3.0%	49	35	6	41

 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

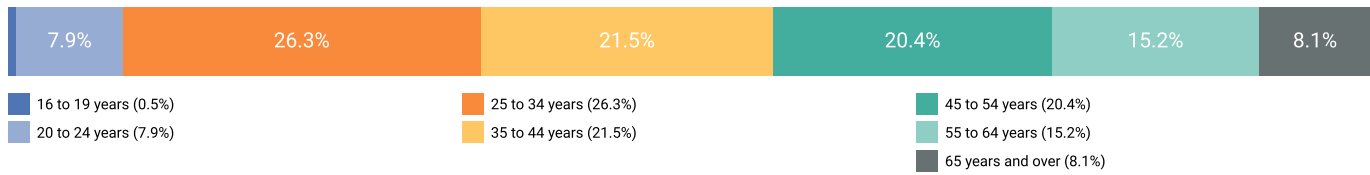


Occupation	Mean	Median	Entry Level	Experienced
Psychologists, All Other	\$136,700	\$139,500	\$105,700	\$152,100
Industrial-Organizational Psychologists	\$129,800	\$123,900	\$88,900	\$150,200
Clinical and Counseling Psychologists	\$126,400	\$135,900	\$71,600	\$153,800
School Psychologists	\$96,200	\$105,300	\$65,100	\$111,800

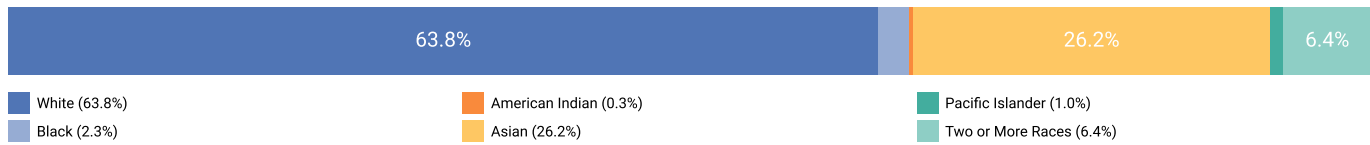
- Occupation wages here utilize BLS OEWS data, imputed and brought forward by Chmura.
- When this report is run for an occupation group, the table above displays up to the top ten detailed occupations which have the highest average wages within the occupation group.

# Occupation Demographics

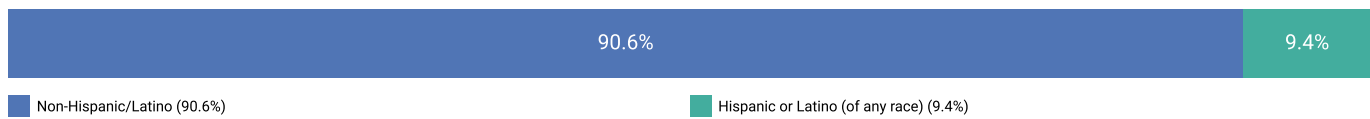
## Age



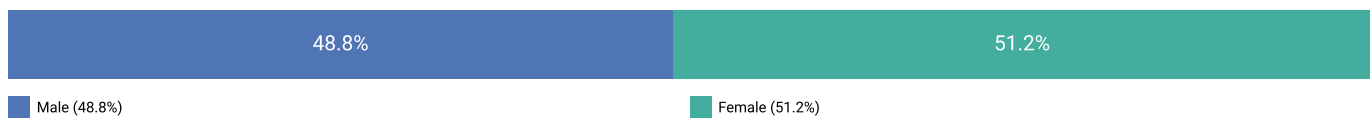
## Race



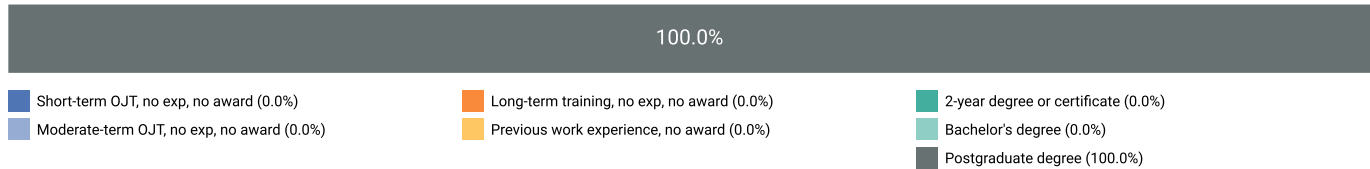
## Ethnicity



## Gender

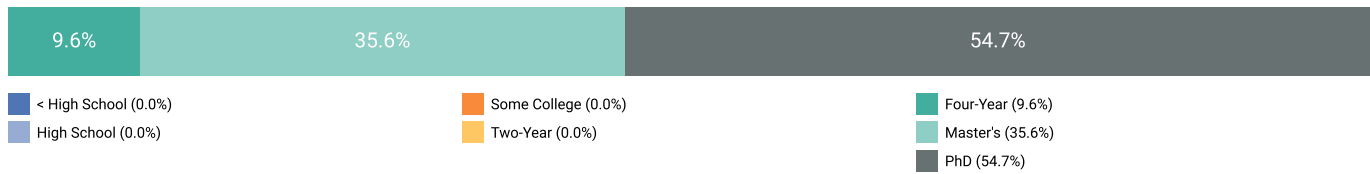


## Education and Training Requirements



# Education Profile

## Educational Attainment




Occupation	Typical Entry-Level Education	Previous Work Experience	Typical On-the-Job Training
Clinical and Counseling Psychologists	Doctoral or professional degree	None	Internship/residency
School Psychologists	Master's degree	None	Internship/residency
Psychologists, All Other	Master's degree	None	Internship/residency
Industrial-Organizational Psychologists	Master's degree	None	Internship/residency


 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 Psychologists

Program	Awards
<b>American River College</b>	
Behavioral Sciences	24
Psychology, General	172
<b>California State University-Sacramento</b>	
Psychology, General	609
<b>Cosumnes River College</b>	
Psychology, General	74
<b>Folsom Lake College</b>	
Psychology, General	98
<b>Sacramento City College</b>	
Psychology, General	160
<b>Sierra College</b>	
Psychology, General	435
<b>University of California-Davis</b>	
Research and Experimental Psychology, Other	879
<b>William Jessup University</b>	
Psychology, General	55
<b>Woodland Community College</b>	
Psychology, General	33

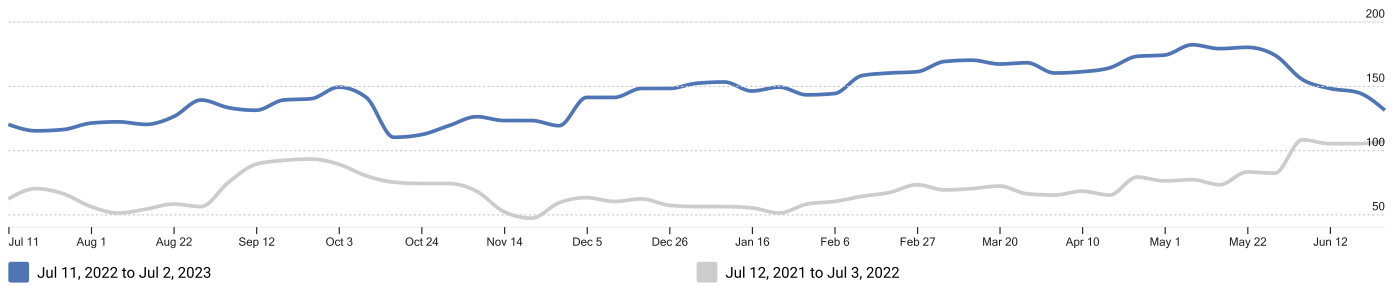
 The number of graduates from postsecondary programs in the region identifies the pipeline of future workers as well as the training capacity to support industry demand.


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



# RTI (Job Postings)

Active Job Ads by Date



 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
19- 3033.00	Clinical and Counseling Psychologists	367
19- 3034.00	School Psychologists	278
19- 3039.02	Neuropsychologists	19
19- 3039.03	Clinical Neuropsychologists	14
19- 3032.00	Industrial-Organizational Psychologists	3
19- 3039.00	Psychologists, All Other	1








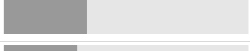

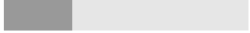
### Locations

Location	Active Job Ads	
Sacramento, California	67	
University of California Davis	66	
Represa, California	26	
Sacramento County, California	25	
Placerville, California 95667	19	
Roseville, California	19	
Mather AFB, California	18	
Folsom, California 95763	14	
University of California Davis Health System	14	
95824-9454	13	



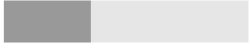
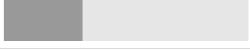



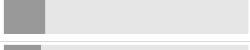
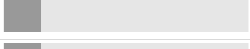
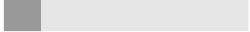
### Employers

Employer Name	Active Job Ads	
SunBelt Staffing	79	
Procare Therapy	65	
Kaiser Permanente	46	
Davis, California	45	
Sacramento, California	33	
Department of Veterans Affairs	28	
Staff Today Inc	26	
CA STATE HOSPITALS	14	
Sacramento City Unified School District	13	
Healthcare Staffing Professionals, Inc	11	

### Hard Skills

Skill Name	Active Job Ads	
Teaching/Training, Job	50	
Psychology	42	
Spanish	35	
The Diagnostic and Statistical Manual of Mental Disorders (DSM)	31	
Clinical Research	26	
Bilingual	24	
Working With Children	21	
Cognitive Behavioral Therapy	17	
Pediatrics	15	
Telecommunications	14	

### Job Titles

Job Title	Active Job Ads	
School Psychologist	59	
NEW PSYCHOLOGIST	26	
Clinical Psychologist	21	
Psychologist	19	
Psychologist 2- SOM: Psychiatry & Behavioral Sciences- Sacramento Campus	13	
School Psychologist- CA	13	
Neuropsychologist	10	
Psychologist 2 (Several Positions)- SOM: Psychiatry & Behavioral Sciences- Sacramento Campus	10	
CONSULTING PSYCHOLOGIST	9	
Psychologist Adult Team	9	

### Education Levels

Minimum Education Level	Active Job Ads	
Doctoral or professional degree	148	
Master's degree	123	
Bachelor's degree	24	
Unspecified/other	387	

### Programs

Program Name	Active Job Ads	
Psychology	145	
School Psychology	44	
Clinical Psychology	41	
Counseling	12	
Counseling Psychology	6	
Educational Psychology	5	
Clinical	4	
School Counseling	3	
Audiology	2	
Education	2	

# Top Skill and Certification Gaps

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

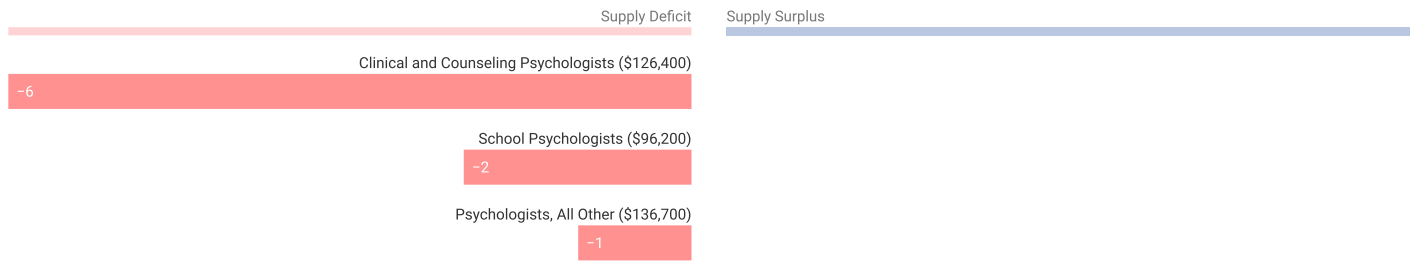
Name	Candidates	Openings	Gap
Teaching/Training, Job	8	14	-6
Psychology	6	11	-5
Mandarin	0	3	-3
Electronic Health Record (EHR)	0	3	-3
The Diagnostic and Statistical Manual of Mental Disorders (DSM)	1	3	-2
Change Management	1	3	-2
Forensic Science	0	2	-2
Working With Children	2	4	-1
Client Relations	0	1	-1
Spanish	5	6	-1

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

Name	Candidates	Openings	Gap
Licensed Clinical Social Worker (LCSW)	0	5	-5
Certification in Cardiopulmonary Resuscitation (CPR)	3	6	-4
Licensed Professional Counselor (LPC)	0	2	-2
Basic Life Support (BLS)	0	1	-1
First Aid Certification	1	1	0

 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.

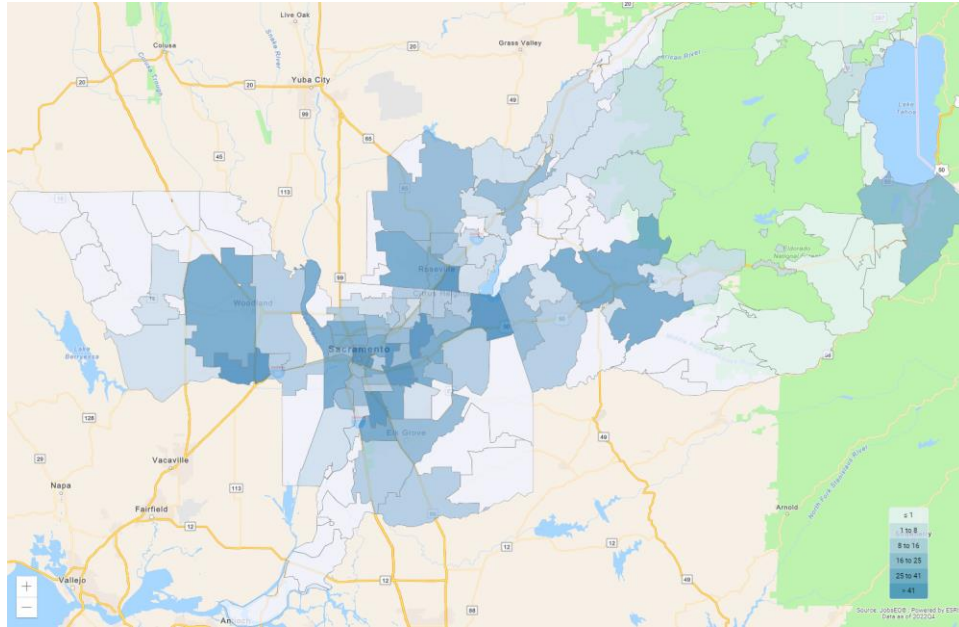
# Occupation Gaps



💡 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.

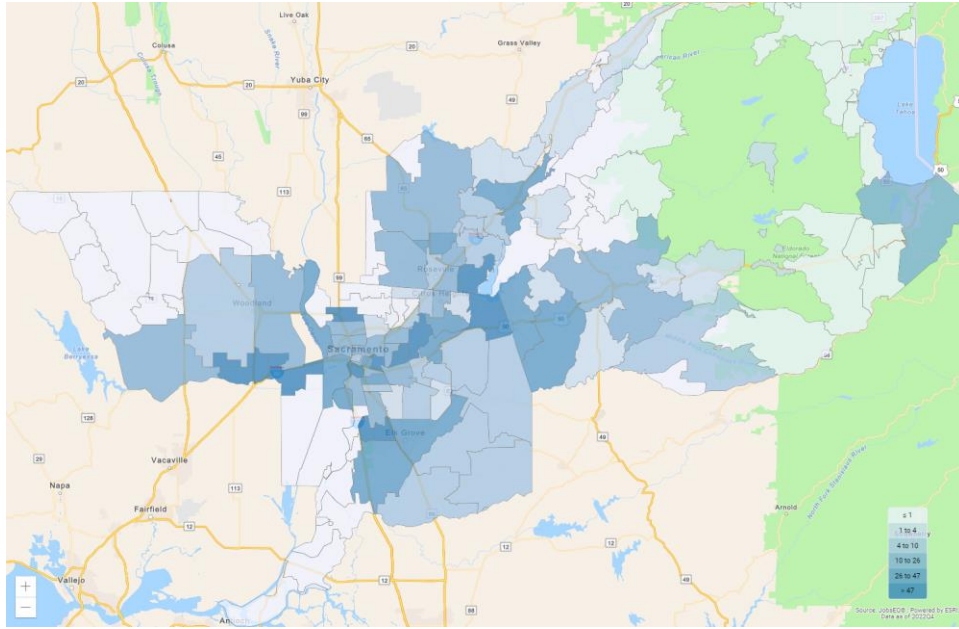
💡 The potential supply shortfall is an underlying force that the market needs to resolve one way or another, such as by employers recruiting from further distances for these occupations, wages going up to attract more candidates, and/or increased demand and wages enticing more local residents to get 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 Psychologists, 2022Q4**

Region	Employment
ZCTA 95814	137
ZCTA 95825	117
ZCTA 95823	71
ZCTA 95616	62
ZCTA 95661	56
ZCTA 95630	48
ZCTA 95608	46
ZCTA 95816	45
ZCTA 95811	41
ZCTA 95826	41



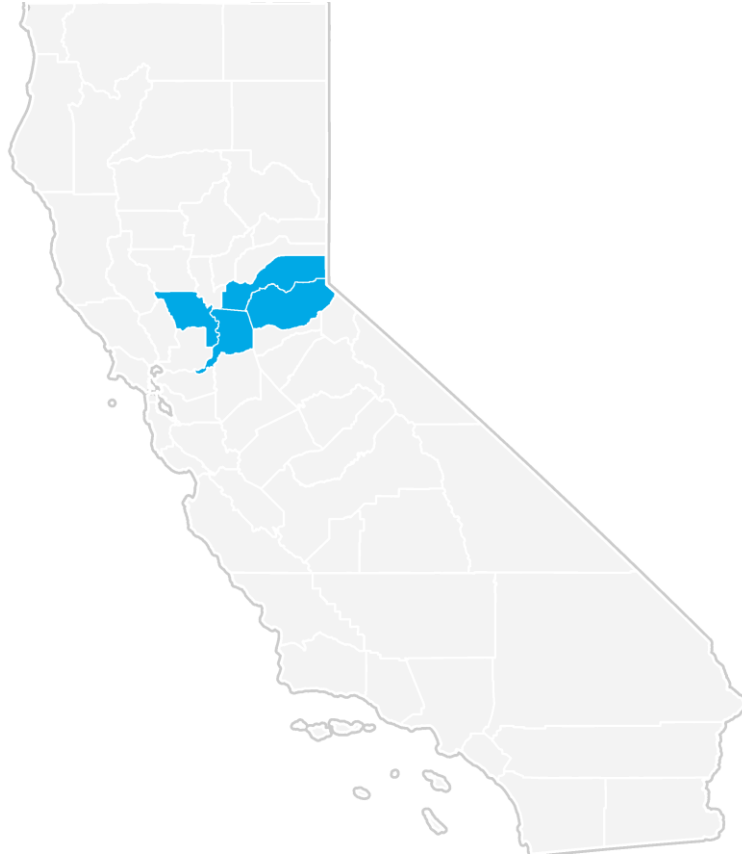
**Top ZCTAs by Place of Residence for Psychologists, 2022Q4**

Region	Employment
ZCTA 95616	136
ZCTA 95630	100
ZCTA 95618 (Yolo County, CA portion)	90
ZCTA 95835	74
ZCTA 95864	69
ZCTA 95819	60
ZCTA 95608	52
ZCTA 95746	49
ZCTA 95758	47
ZCTA 95818	47

💡 “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 07/06/2023 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 dynamics, including educational attainment and projected growth.
- Occupation employment by place of residence is as of 2022Q4 and modeled by Chmura based upon occupation employment by place of work and commuting patterns. Commuting patterns are derived from source data from the Census Bureau, occupation-specific commuting tendencies, 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

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Placer County, California

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Sacramento County, California

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Yolo County, California

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# 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.