



Education Report

Deaf Studies

Sacramento-Roseville-Folsom, CA MSA



Definition of Deaf Studies, CIP 05.0211 3
Awards..... 4
Occupation Crosswalk 5
Occupation Details 6
Employment by Industry 7
Geographic Distribution 8
Demographic Profile..... 9
RTI (Job Postings) 10
Sacramento-Roseville-Folsom, CA MSA Regional Map..... 15
Region Definition..... 16
FAQ..... 17

Definition of Deaf Studies, CIP 05.0211

A program that focuses on the sociological, historical and linguistic aspects of the deaf and hearing impaired, and that prepares individuals to work with the deaf and hearing impaired. Includes instruction in American Sign Language, deaf studies, American deaf culture, structure of American Sign Language, history of the American deaf community, and civil rights of deaf people.

Awards

The table below is a list of postsecondary awards in CIP 05.0211 that were granted by institutions located in the Sacramento-Roseville-Folsom, CA MSA in the 2021 academic year.

Schools	Certs & 2yr Awards ¹	4yr Awards ²	Post-Grad Awards ³	Avg Net Price ⁴
California State University-Sacramento		28		\$7,778
Total	0	28	0	

1. Undergraduate certificates and associate's degrees

2. Bachelor's degrees and post-baccalaureates

3. Master's, post-master's, and doctorates

4. Average net price represents full-time beginning undergraduate students who paid the in-state or in-district tuition rate and were awarded grant or scholarship aid from federal, state or local governments, or the institution. Data as of the 2020-2021 academic year.

Awards data are per the National Center for Education Statistics (NCES) and JobsEQ for the 2021 academic year. Any programs shown here reflect only data reported to the NCES; reporting is required of all schools participating in any federal finance assistance program authorized by Title IV of the Higher Education Act of 1965, as amended—other training providers in the region that do not report data to the NCES are not reflected in the above.

Occupation Crosswalk

The below table lists all occupations linked with the program, Deaf Studies, CIP 05.0211.

		Education and Training Requirements			Educational Attainment				
		Typical Education Needed for Entry	Work Experience in a Related Occupation	Typical On-the-Job Training Needed to Attain Competency in the Occupation	No College	Some College, No Degree	Associate's Degree	Bachelor's Degree	Postgraduate Degree
25-1062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary	Doctoral or professional degree	None	None	1%	1%	1%	14%	82%
27-3091	Interpreters and Translators	Bachelor's degree	None	None	7%	14%	14%	42%	23%

Education and training requirements are from the Bureau of Labor Statistics (BLS); educational attainment mix are regional data modeled by Chmura using Census educational attainment data projected to 2022Q4 along with source data from the BLS

Definition of Area, Ethnic, and Cultural Studies Teachers, Postsecondary (25-1062)

Teach courses pertaining to the culture and development of an area, an ethnic group, or any other group, such as Latin American studies, women's studies, or urban affairs. Includes both teachers primarily engaged in teaching and those who do a combination of teaching and research.

Definition of Interpreters and Translators (27-3091)

Interpret oral or sign language, or translate written text from one language into another.

Occupation Details

As of 2022Q4, total employment for occupations linked to Deaf Studies in the Sacramento-Roseville-Folsom, CA MSA was 629. Over the past three years, linked occupations shed 3 jobs in the region and are expected to need in aggregate approximately 584 newly trained workers over the next seven years.

Snapshot of Occupations Linked to Deaf Studies in the Sacramento-Roseville-Folsom, CA MSA¹

SOC	Occupation	Current						3-Year History		7-Year Forecast			
		Empl	Mean Ann Wages ²	LQ	Unempl	Unempl Rate	Online Job Ads ³	Ann %	Total Demand	Exits	Transfers	Empl Growth	Avg Ann Growth %
27-3091	Interpreters and Translators	593	\$85,600	1.06	32	4.5%	75	0.0%	559	242	224	93	2.1%
25-1062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary	36	\$148,400	0.56	1	2.2%	8	-2.4%	25	12	10	3	1.1%
Total - Linked Occupations		629	\$89,200	1.01	33	4.4%	83	-0.1%	584	254	234	96	2.1%
Total - All Occupations		1,117,739	\$69,500	1.00	41,281	3.6%	36,366	1.1%	1,030,750	399,195	547,399	84,156	1.0%

Source: [JobsEQ®](#)

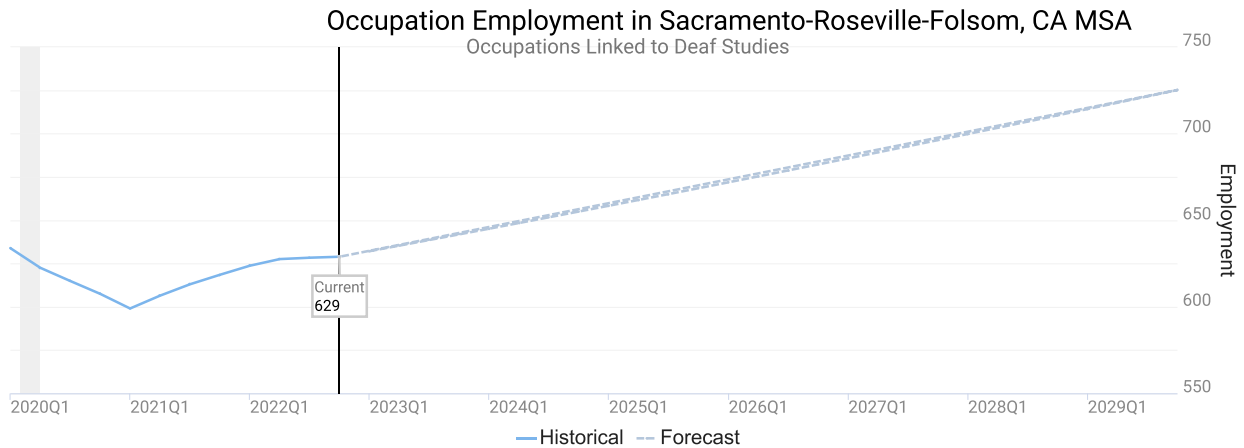
Data as of 2022Q4 unless noted otherwise

Note: Figures may not sum due to rounding.

1. Data based on a four-quarter moving average unless noted otherwise.

2. Wage data represent the average for all Covered Employment

3. Data represent found online ads active within the last thirty days in the selected region. Due to alternative county-assignment algorithms, ad counts in this analytic may not match that shown in RTI (nor in the popup window ad list). Ad counts for ZCTA-based regions are estimates.



Source: JobsEQ®, Data as of 2022Q4, The shaded areas of the graph represent national recessions.

Occupation employment data are estimated via industry employment data and the industry/occupation mix. Industry employment data are derived from the Quarterly Census of Employment and Wages, provided by the Bureau of Labor Statistics and currently updated through 2022Q3, imputed where necessary with preliminary estimates updated to 2022Q4. Forecast employment growth uses national projections from the Bureau of Labor Statistics adapted for regional growth patterns. Occupation unemployment figures are imputed by Chmura.

Employment by Industry

The table illustrates the industries in the Sacramento-Roseville-Folsom, CA MSA which most employ occupations linked to Deaf Studies. The single industry most employing these occupations in the region is Other Professional, Scientific, and Technical Services, NAICS 5419. This industry employs 277 workers in the linked occupations—employment which is expected to increase by 91 jobs over the next ten years; furthermore, 324 additional new workers in these linked occupations will be needed for this industry due to separation demand, that is, to replace workers in this occupation and industry that retire or move into a different occupation.

Industry Distribution for Occupations Linked to Deaf Studies in Sacramento-Roseville-Folsom, CA MSA

NAICS Code	Industry Title	Current			10-Year Demand		
		% of Occ Empl	Empl	Exits	Transfers	Empl Growth	Total Demand
5419	Other Professional, Scientific, and Technical Services	44.1%	277	168	156	91	415
6111	Elementary and Secondary Schools	12.2%	77	43	40	10	93
6221	General Medical and Surgical Hospitals	6.9%	43	24	22	6	52
6113	Colleges, Universities, and Professional Schools	6.6%	42	21	18	6	45
9211	Executive, Legislative, and Other General Government Support	4.0%	25	13	12	2	28
6112	Junior Colleges	3.7%	23	12	11	2	26
6214	Outpatient Care Centers	2.7%	17	10	9	5	24
6241	Individual and Family Services	2.4%	15	10	9	6	25
9231	Administration of Human Resource Programs	2.2%	14	8	7	1	15
9221	Justice, Public Order, and Safety Activities	2.1%	13	7	7	1	15
9241	Administration of Environmental Quality Programs	1.8%	12	6	6	1	13
9261	Administration of Economic Programs	1.7%	11	6	5	0	12
6211	Offices of Physicians	1.4%	9	5	5	2	11
6242	Community Food and Housing, and Emergency and Other Relief Services	0.9%	5	3	3	1	7
5511	Management of Companies and Enterprises	0.5%	3	2	2	0	4
5171	Wired and Wireless Telecommunications (except Satellite)	0.5%	3	2	2	0	3
	All Others	6.2%	39	22	21	8	51

Source: JobsEQ®

Data as of 2022Q4 except wages which are as of 2021. Note that occupation-by-industry wages represent adjusted national data and may not be consistent with regional, all-industry occupation wages shown elsewhere in JobsEQ.

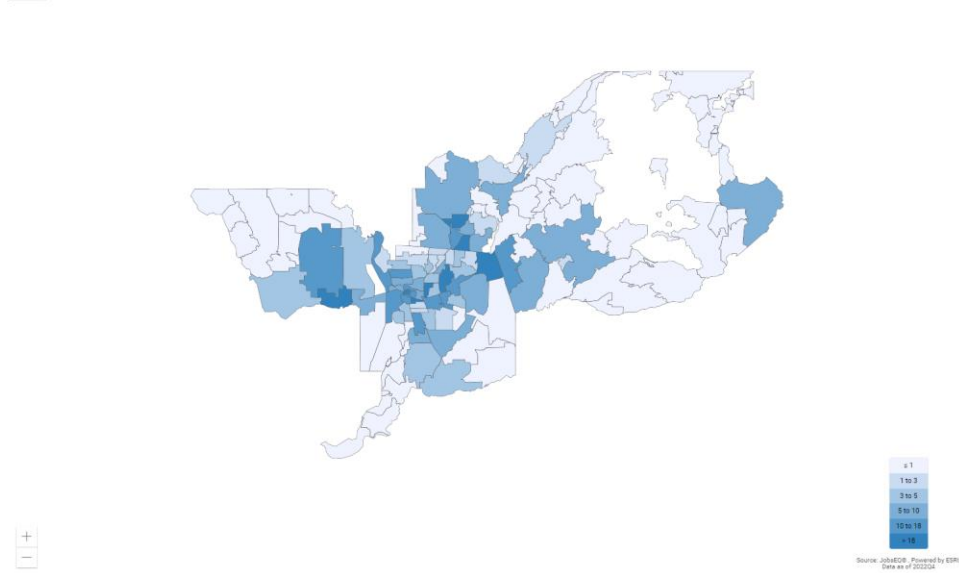
Note: Figures may not sum due to rounding.

Occupation employment data are estimated via industry employment data and the industry/occupation mix. Industry employment data are derived from the Quarterly Census of Employment and Wages, provided by the Bureau of Labor Statistics and currently updated through 2022Q3, imputed where necessary with preliminary estimates updated to 2022Q4. Forecast employment growth uses national projections from the Bureau of Labor Statistics adapted for regional growth patterns.

Geographic Distribution

The map below illustrates the ZCTA-level distribution of employed workers in the Sacramento-Roseville-Folsom, CA MSA in occupations linked to Deaf Studies. Employment is shown by place of work.

Sacramento-Roseville-Folsom, CA MSA, Occupation Concentration by Place of Work for Occupations Linked to Deaf Studies



Top ZCTAs with Employment Linked to Deaf Studies, 2022Q4

Region	Employment
ZCTA 95814	54
ZCTA 95630	36
ZCTA 95616	36
ZCTA 95765	31
ZCTA 95817	23
ZCTA 95608	20
ZCTA 95661	19
ZCTA 95825	18
ZCTA 95678	17
ZCTA 95811	16

Source: JobsEQ®

Occupation employment data are estimated via industry employment data and the industry/occupation mix. Industry employment data are derived from the Quarterly Census of Employment and Wages, provided by the Bureau of Labor Statistics and currently updated through 2022Q3, imputed where necessary with preliminary estimates updated to 2022Q4.

Demographic Profile

The population in the Sacramento-Roseville-Folsom, CA MSA was 2,338,866 per American Community Survey data for 2016-2020.

Of individuals 25 to 64 in the Sacramento-Roseville-Folsom, CA MSA, 34.9% have a bachelor's degree or higher which compares with 34.3% in the nation. Per American Community Survey 2016-2020 estimates, the region has about 32,977 students enrolled in grade 12.

Summary¹

	Percent		Value	
	Sacramento-Roseville-Folsom, CA MSA	USA	Sacramento-Roseville-Folsom, CA MSA	USA
Demographics				
Population (ACS)	—	—	2,338,866	326,569,308
Male	48.9%	49.2%	1,144,264	160,818,530
Female	51.1%	50.8%	1,194,602	165,750,778
Median Age ²	—	—	37.7	38.2
Under 18 Years	22.9%	22.4%	534,856	73,296,738
18 to 24 Years	9.3%	9.3%	217,186	30,435,736
25 to 34 Years	14.3%	13.9%	334,204	45,485,165
35 to 44 Years	13.0%	12.7%	304,174	41,346,677
45 to 54 Years	12.5%	12.7%	293,032	41,540,736
55 to 64 Years	12.6%	12.9%	294,545	42,101,439
65 to 74 Years	9.1%	9.4%	212,741	30,547,950
Population Growth				
Population (Pop Estimates) ⁴	—	—	2,416,702	333,287,557
Population Annual Average Growth ⁴	1.0%	0.6%	22,644	1,940,990
People per Square Mile	—	—	474.3	94.3
Educational Attainment, Age 25-64				
No High School Diploma	9.8%	10.5%	120,110	17,929,220
High School Graduate	20.7%	25.4%	253,915	43,289,555
Some College, No Degree	24.7%	20.5%	302,315	34,959,338
Associate's Degree	9.9%	9.3%	121,667	15,776,790
Bachelor's Degree	23.1%	21.6%	283,204	36,888,244
Postgraduate Degree	11.8%	12.7%	144,744	21,630,870
Social				
Poverty Level (of all people)	12.7%	12.8%	293,134	40,910,326
Households Receiving Food Stamps/SNAP	9.4%	11.4%	79,427	13,892,407
Enrolled in Grade 12 (% of total population)	1.4%	1.3%	32,977	4,358,865
Disconnected Youth ³	2.0%	2.5%	2,374	433,164
Children in Single Parent Families (% of all children)	30.8%	34.0%	157,382	23,628,508
Uninsured	5.0%	8.7%	115,185	28,058,903
Speak English Less Than Very Well (population 5 yrs and over)	10.7%	8.2%	235,584	25,312,024

Source: [JobsEQ®](#)

1. American Community Survey 2016-2020, unless noted otherwise

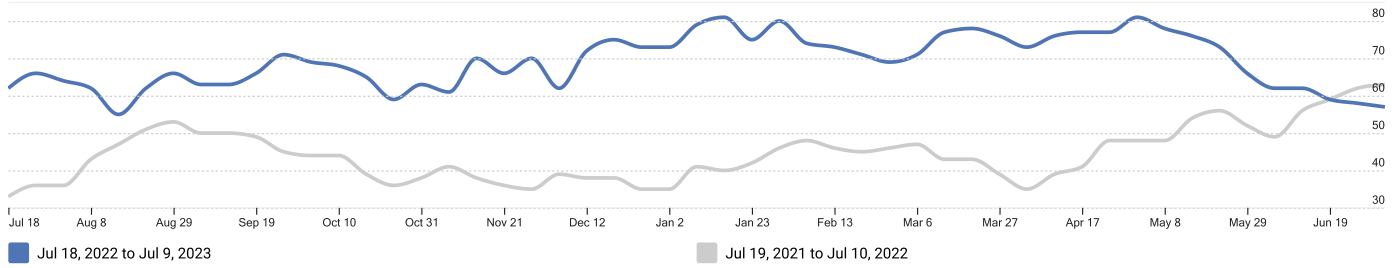
2. Median values for certain aggregate regions (such as MSAs) may be estimated as the weighted averages of the median values from the composing counties.

3. Disconnected Youth are 16-19 year olds who are (1) not in school, (2) not high school graduates, and (3) either unemployed or not in the labor force.

4. Census Population Estimate for 2022, annual average growth rate since 2012. Post-2019 data for Connecticut counties are imputed by Chmura.

RTI (Job Postings)

Active Job Ads by Date



Occupations

SOC	Occupation	Active Job Ads
27- 3091.00	Interpreters and Translators	352
25- 1062.00	Area, Ethnic, and Cultural Studies Teachers, Postsecondary	38

Locations

Location	Active Job Ads
Sacramento, California	139
University of California Davis	30
95824-9454	13
6000 J Street, Sacramento, CA 95819, USA	12
Rancho Cordova, CA 95670	12
Sacramento, CA 95816	11
95609-0477	9
Sacramento County, California	9
University of California Davis Health System	7
Woodland, California	7

Employers

Employer Name	Active Job Ads	
CA DEPARTMENT OF PARKS AND RECREATION	88	
Language World Services, Inc.	46	
Sacramento, California	19	
US Navy	17	
Davis, California	16	
Sacramento City Unified School District	13	
CSU, Sacramento	12	
San Juan Unified School District	10	
Interlingva, Inc.	8	
International Rescue Committee	7	

Certifications

Certificate Name	Active Job Ads	
Driver's License	78	
Commercial Driver's License (CDL)	50	
Registry of Interpreters for the Deaf (RID) Certification	23	
Secret Clearance	18	
Certified CART Provider (CCP)	2	
Certified Shorthand Reporter	2	
Certified Clinical Research Associate (CCRA)	1	
Certified Electroencephalographic Technologists (EEG)	1	

Hard Skills

Skill Name	Active Job Ads	
Telecommunications	90	
Medical Terminology	89	
English	88	
Spanish	64	
Language Translating	46	
Arabic	41	
Interpreter	36	
Russian	35	
Farsi	32	
Bilingual	30	

Soft Skills

Skill Name	Active Job Ads	
Communication (Verbal and written skills)	174	
Listening	59	
Adaptability/Flexibility/Tolerance of Change and Uncertainty	54	
Detail Oriented/Meticulous	45	
Organization	40	
Cooperative/Team Player	32	
Persistence/Perseverance/Resilience	28	
Confidentiality/Information Sensitivity	27	
Customer Service	26	
Enthusiastic/Energetic	24	

Job Titles

Job Title	Active Job Ads	
STATE PARK INTERPRETER I	28	
Cryptologic Technicians	14	
STATE PARK INTERPRETER II	11	
PARK INTERPRETIVE SPECIALIST (SEASONAL)	7	
SUPPORT SERVICES ASSISTANT (INTERPRETER)	7	
STATE PARK INTERPRETER III	6	
State Park Interpreter I	6	
Cryptologic Technician	5	
Interpreter	5	
STATE PARK INTERPRETER I (PERMANENT INTERMITTENT)	5	

Job Types

Type	Active Job Ads	
Full-Time	184	
Part-Time	104	
Permanent	86	
Temporary (unspecified)	44	
Remote	21	
Temporary (long-term)	5	
Remote Not Indicated	369	

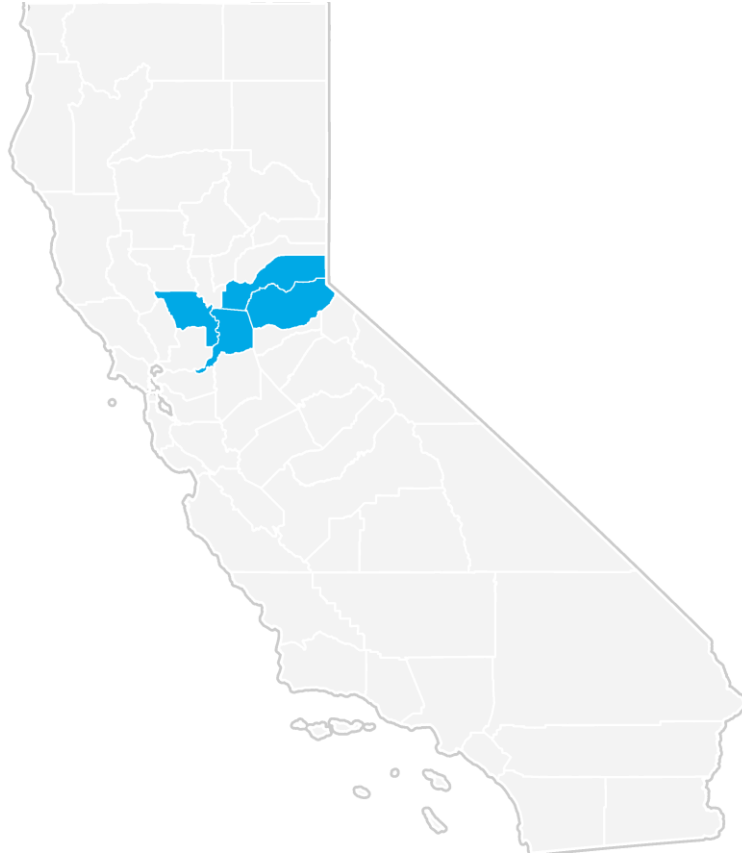
Programs

Program Name	Active Job Ads	
Audiology	12	
Gerontology	12	
Physical Therapy	12	
Public History	12	
School Psychology	12	
Ethnic Studies	4	
American Sign Language	3	
Sociology	3	
Biology	2	
Psychology	2	

Education Levels

Minimum Education Level	Active Job Ads	
High school diploma or equivalent	66	
Bachelor's degree	26	
Associate's degree	17	
Master's degree	13	
Doctoral or professional degree	8	
Unspecified/other	260	

Sacramento-Roseville-Folsom, CA MSA Regional Map



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 CIP?

The 2010 Classification of Instructional Programs (CIP) is taxonomy of instructional program classifications and descriptions. It was developed and has been updated by the U.S. Department of Education's National Center for Education Statistics (NCES).

What is SOC?

The Standard Occupational Classification system (SOC) is used to classify workers into occupational categories. All workers are classified into one of over 804 occupations according to their occupational definition. To facilitate classification, occupations are combined to form 22 major groups, 95 minor groups, and 452 occupation groups. Each occupation group includes detailed occupations requiring similar job duties, skills, education, or experience.

What is the source of the job ads?

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 07/13/2023 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.

What is the program-to-occupation crosswalk?

Training programs are classified according to the Classification of Instructional Programs (CIP codes). For relating training programs, this report uses a modified version of the CIP to SOC crosswalk from the National Center for Education Statistics (NCES). While this is a very helpful crosswalk for estimating occupation production from training program awards data, the crosswalk is neither perfect nor comprehensive. Indeed, it is hard to imagine such a crosswalk being perfect since many training program graduates for one reason or another do not end up employed in occupations that are most related to the training program from which they graduated. Therefore, the education program analyses should be considered in this light.

As an example of the many scenarios that may unfold, consider a journalism degree that crosswalks into three occupations: editors, writers, and postsecondary communications teachers. Graduates with a journalism degree may get a job in one of these occupations—and that may be the most-likely scenario—but a good number of these graduates may get a job in a different occupation altogether (the job may be somewhat related, such as a reporter, or the job may be totally unrelated, such as a real estate agent). Furthermore, a graduate may stay in school or go back to school for a degree that will lead to other occupation possibilities. Still another possibility includes the graduate not entering the labor market (maybe being unemployed, being a non-participant, or moving to another region).

What is 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. The total projected demand for an occupation is the sum of the separation demand and the growth

demand (which is the increase or decrease of jobs in an occupation expected due to expansion or contraction of the overall number of jobs in that occupation).

What is a location quotient?

A location quotient (LQ) is a measurement of concentration in comparison to the nation. An LQ of 1.00 indicates a region has the same concentration of an occupation (or industry) 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 NAICS?

The North American Industry Classification System (NAICS) is used to classify business establishments according to the type of economic activity. The NAICS Code comprises six levels, from the “all industry” level to the 6-digit level. The first two digits define the top level category, known as the “sector,” which is the level examined in this report.

About This Report

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