



Education Report

Foods, Nutrition, and Wellness Studies, General

California



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Definition of Foods, Nutrition, and Wellness Studies, General, CIP 19.0501

A general program that focuses on the role of foods and nutrition in human health and wellness. Includes instruction in nutritional care and education, the planning and provision of food services, the development of consumable food products, life-span nutrition and wellness, the principles of nutritional assessment, and food safety and food composition.

Awards

The table below is a list of postsecondary awards in CIP 19.0501 that were granted by institutions located in California in the 2021 academic year.

Schools	Certs & 2yr Awards ¹	4yr Awards ²	Post-Grad Awards ³	Avg Net Price ⁴
Saddleback College	24			\$7,918
Long Beach City College	19			\$6,550
Mt San Antonio College	19			\$5,774
East Los Angeles College	18			\$12,028
Orange Coast College	17			\$6,836
Diablo Valley College	16			\$8,878
Allan Hancock College	15			\$6,629
San Diego Mesa College	14			\$7,663
Fullerton College	13			\$11,191
Cuesta College	11			\$14,586
Riverside City College	11			\$7,161
American River College	10			\$8,101
Butte College	10			\$10,736
Moorpark College	10			\$4,856
Pasadena City College	10			\$6,466
Chaffey College	9			\$13,939
Santa Monica College	9			\$6,380
Solano Community College	9			\$5,950
Point Loma Nazarene University		8		\$34,851
College of San Mateo	6			\$5,427
Evergreen Valley College	6			\$15,650
Fresno City College	6			\$6,391
Los Angeles Mission College	6			\$12,798
Merced College	6			\$13,426
Folsom Lake College	5			\$8,276
Monterey Peninsula College	5			\$12,007
Ventura College	5			\$3,971
Citrus College	4			\$8,852
Cosumnes River College	4			\$7,223
Las Positas College	4			\$7,675
University of Massachusetts Global	4			\$26,346
West Los Angeles College	4			\$10,259
Palomar College	3			\$6,659

Schools	Certs & 2yr Awards ¹	4yr Awards ²	Post-Grad Awards ³	Avg Net Price ⁴
Rio Hondo College	3			\$7,873
Bakersfield College	2			\$6,989
Crafton Hills College	2			\$20,456
Los Angeles Southwest College	2			\$8,651
Sacramento City College	2			\$7,788
San Jose City College	2			\$17,618
Sierra College	2			\$5,921
Cabrillo College	1			\$18,139
College of the Sequoias	1			\$5,205
Columbia College	1			\$10,735
Cypress College	1			\$7,951
Feather River Community College District	1			\$11,415
Foothill College	1			\$9,820
Imperial Valley College	1			\$2,300
Merritt College	1			\$16,194
MiraCosta College	1			\$6,946
Mt San Jacinto Community College District	1			\$7,704
Oxnard College	1			\$3,441
Santa Ana College	1			\$6,351
Woodland Community College	1			\$7,480
Canada College				\$5,923
Glendale Community College				\$7,823
Irvine Valley College				\$4,860
Lassen Community College				\$11,495
Los Angeles City College				\$10,898
University of the Pacific				\$21,311
West Valley College				\$6,890
Total	340	8	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, Foods, Nutrition, and Wellness Studies, General, CIP 19.0501.

		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
25-1192	Family and Consumer Sciences Teachers, Postsecondary	Doctoral or professional degree	None	None	1%	1%	1%	14%	82%
29-1031	Dietitians and Nutritionists	Bachelor's degree	None	Internship/residency	7%	4%	3%	45%	42%
29-2051	Dietetic Technicians	Associate's degree	None	None	43%	23%	16%	16%	3%

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 Family and Consumer Sciences Teachers, Postsecondary (25-1192)

Teach courses in childcare, family relations, finance, nutrition, and related subjects pertaining to home management. Includes both teachers primarily engaged in teaching and those who do a combination of teaching and research.

Definition of Dietitians and Nutritionists (29-1031)

Plan and conduct food service or nutritional programs to assist in the promotion of health and control of disease. May supervise activities of a department providing quantity food services, counsel individuals, or conduct nutritional research.

Definition of Dietetic Technicians (29-2051)

Assist in the provision of food service and nutritional programs, under the supervision of a dietitian. May plan and produce meals based on established guidelines, teach principles of food and nutrition, or counsel individuals.

Occupation Details

As of 2022Q4, total employment for occupations linked to Foods, Nutrition, and Wellness Studies, General in California was 13,031. Over the past three years, linked occupations added 41 jobs in the region and are expected to need in aggregate approximately 7,919 newly trained workers over the next seven years.

Snapshot of Occupations Linked to Foods, Nutrition, and Wellness Studies, General in California¹

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 %
29- 1031	Dietitians and Nutritionists	9,228	\$87,800	1.02	61	0.7%	749	0.9%	4,969	2,279	2,145	545	0.8%
29- 2051	Dietetic Technicians	3,378	\$47,000	1.30	108	3.1%	504	-1.5%	2,685	1,157	1,422	105	0.4%
25- 1192	Family and Consumer Sciences Teachers, Postsecondary	425	\$155,500	1.17	8	1.9%	38	-2.7%	265	136	115	13	0.4%
Total - Linked Occupations		13,031	\$79,400	1.08	177	1.4%	1,291	0.1%	7,919	3,573	3,683	663	0.7%
Total - All Occupations		19,219,968	\$71,900	1.00	797,161	4.1%	549,185	0.6%	17,029,863	6,722,656	9,379,252	927,955	0.7%

Source: [JobsEQ®](https://www.chmuraecon.com/jobseq)

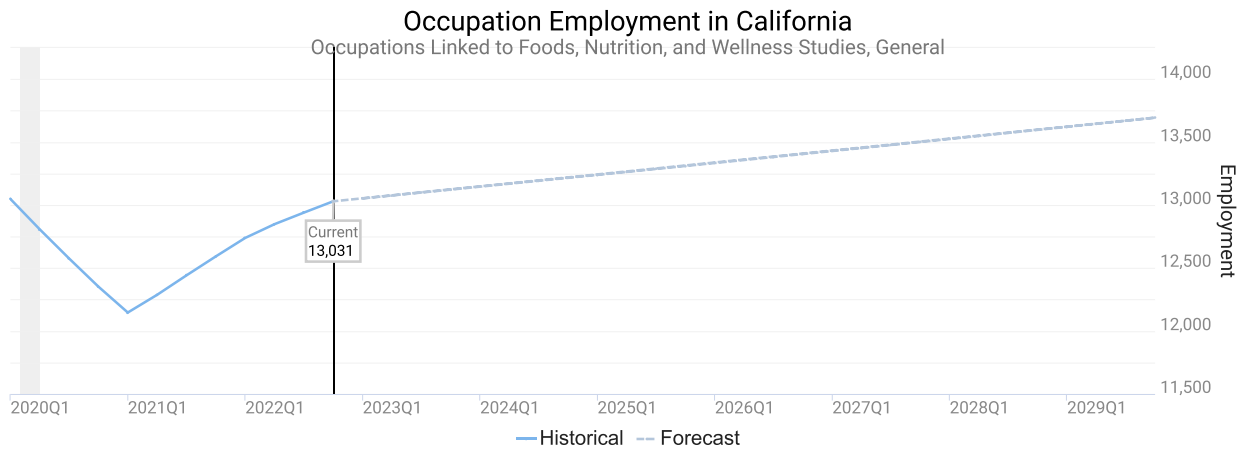
Data as of 2022Q4 unless noted otherwise

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 California which most employ occupations linked to Foods, Nutrition, and Wellness Studies, General. The single industry most employing these occupations in the region is General Medical and Surgical Hospitals, NAICS 6221. This industry employs 3,432 workers in the linked occupations—employment which is expected to increase by 101 jobs over the next ten years; furthermore, 2,919 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 Foods, Nutrition, and Wellness Studies, General in California

NAICS Code	Industry Title	Current			10-Year Demand		
		% of Occ Empl	Empl	Exits	Transfers	Empl Growth	Total Demand
6221	General Medical and Surgical Hospitals	26.3%	3,432	1,395	1,524	101	3,020
6214	Outpatient Care Centers	16.6%	2,169	801	765	331	1,897
6213	Offices of Other Health Practitioners	9.3%	1,216	437	421	94	952
6231	Nursing Care Facilities (Skilled Nursing Facilities)	8.6%	1,121	461	521	-48	934
7223	Special Food Services	5.8%	758	279	275	62	616
6241	Individual and Family Services	4.3%	556	235	244	153	632
6113	Colleges, Universities, and Professional Schools	2.9%	380	166	147	29	342
6233	Continuing Care Retirement Communities and Assisted Living Facilities for the Elderly	2.9%	374	173	200	51	423
6211	Offices of Physicians	2.8%	366	136	135	24	295
9221	Justice, Public Order, and Safety Activities	2.1%	274	105	110	3	218
9211	Executive, Legislative, and Other General Government Support	1.9%	244	95	100	6	200
5613	Employment Services	1.7%	217	81	81	14	176
6111	Elementary and Secondary Schools	1.6%	202	81	88	5	174
9231	Administration of Human Resource Programs	1.3%	165	63	66	3	131
6112	Junior Colleges	1.2%	162	72	62	-1	133
6223	Specialty (except Psychiatric and Substance Abuse) Hospitals	1.2%	161	66	70	22	159
7139	Other Amusement and Recreation Industries	0.8%	109	39	37	14	90
5511	Management of Companies and Enterprises	0.7%	97	34	34	3	71
6222	Psychiatric and Substance Abuse Hospitals	0.7%	85	33	35	6	74
9261	Administration of Economic Programs	0.6%	81	29	30	-1	58
	All Others	6.6%	862	324	320	89	733

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.

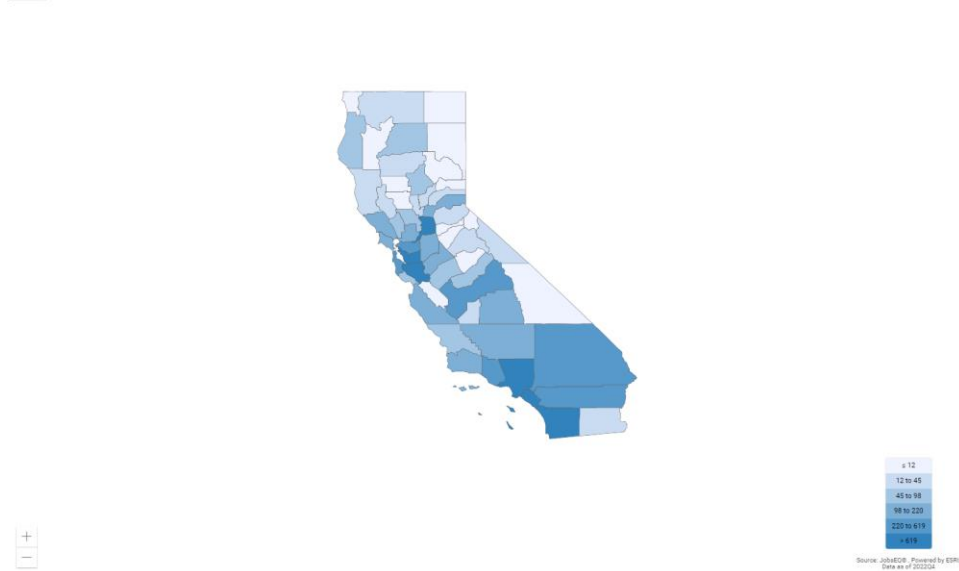
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Geographic Distribution

The map below illustrates the county-level distribution of employed workers in California in occupations linked to Foods, Nutrition, and Wellness Studies, General. Employment is shown by place of work.

California, Occupation Concentration by Place of Work for Occupations Linked to Foods, Nutrition, and Wellness Studies, General



Top Counties with Employment Linked to Foods, Nutrition, and Wellness Studies, General, 2022Q4

Region	Employment
Los Angeles County, California	3,542
San Diego County, California	1,116
Orange County, California	1,034
Santa Clara County, California	786
Sacramento County, California	643
Alameda County, California	620
San Bernardino County, California	596
San Francisco County, California	509
Riverside County, California	503
Contra Costa County, California	335

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 California was 39,346,023 per American Community Survey data for 2016-2020.

Of individuals 25 to 64 in California, 35.4% 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 576,714 students enrolled in grade 12.

Summary¹

	Percent		Value	
	California	USA	California	USA
Demographics				
Population (ACS)	—	—	39,346,023	326,569,308
Male	49.7%	49.2%	19,562,882	160,818,530
Female	50.3%	50.8%	19,783,141	165,750,778
Median Age ²	—	—	36.7	38.2
Under 18 Years	22.8%	22.4%	8,956,641	73,296,738
18 to 24 Years	9.5%	9.3%	3,724,239	30,435,736
25 to 34 Years	15.3%	13.9%	6,007,913	45,485,165
35 to 44 Years	13.3%	12.7%	5,233,903	41,346,677
45 to 54 Years	12.8%	12.7%	5,039,155	41,540,736
55 to 64 Years	12.0%	12.9%	4,739,675	42,101,439
65 to 74 Years	8.3%	9.4%	3,270,380	30,547,950
Population Growth				
Population (Pop Estimates) ⁴	—	—	39,029,342	333,287,557
Population Annual Average Growth ⁴	0.3%	0.6%	108,479	1,940,990
People per Square Mile	—	—	250.4	94.3
Educational Attainment, Age 25-64				
No High School Diploma	15.2%	10.5%	3,199,850	17,929,220
High School Graduate	20.4%	25.4%	4,282,776	43,289,555
Some College, No Degree	21.0%	20.5%	4,412,172	34,959,338
Associate's Degree	8.0%	9.3%	1,678,082	15,776,790
Bachelor's Degree	22.6%	21.6%	4,741,354	36,888,244
Postgraduate Degree	12.9%	12.7%	2,706,412	21,630,870
Social				
Poverty Level (of all people)	12.6%	12.8%	4,853,434	40,910,326
Households Receiving Food Stamps/SNAP	9.0%	11.4%	1,183,873	13,892,407
Enrolled in Grade 12 (% of total population)	1.5%	1.3%	576,714	4,358,865
Disconnected Youth ³	1.9%	2.5%	38,451	433,164
Children in Single Parent Families (% of all children)	32.8%	34.0%	2,796,858	23,628,508
Uninsured	7.2%	8.7%	2,806,173	28,058,903
Speak English Less Than Very Well (population 5 yrs and over)	17.4%	8.2%	6,432,102	25,312,024

Source: [JobsEQ®](https://www.chmuraecon.com/jobseq)

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

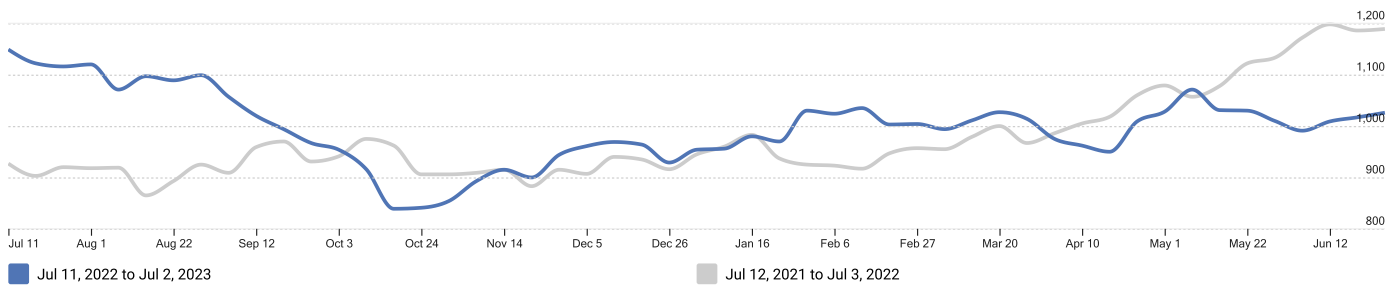
2. Median values for certain aggregate regions (such as MSAs) may be estimated as the weighted averages of the median values from the composing counties.

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
29- 1031.00	Dietitians and Nutritionists	3,113
29- 2051.00	Dietetic Technicians	2,691
25- 1192.00	Family and Consumer Sciences Teachers, Postsecondary	73

Locations

Location	Active Job Ads
Los Angeles, California	168
San Diego, California	103
Sacramento, California	83
Loma Linda, California	55
Fresno, California	48
Mountain View, California	48
San Francisco, California	48
Stockton, California	41
Los Angeles, CA, 90095, US	37
Oakland, California	36

Employers

Employer Name	Active Job Ads	
Kaiser Permanente	337	
Sodexo	158	
Compass Group	143	
Healthcare Services Group, Inc.	111	
Alameda Health System	107	
Providence St. Joseph Health	101	
Cedars-Sinai	83	
Sutter Health	76	
UCLA HEALTH	73	
Dietitians on Demand	62	

Certifications

Certificate Name	Active Job Ads	
Registered Dietitian (RD)	1,681	
Certified Diabetes Educator (CDE)	137	
ServSafe Food Protection Manager Certification	130	
Driver's License	111	
Basic Life Support (BLS)	97	
Registered Dietitian Nutritionist (RDN)	97	
Dietetic Technician, Registered (DTR)	96	
Certification in Cardiopulmonary Resuscitation (CPR)	91	
Certified Nutrition Support Clinician (CNSC)	79	
Certified Dietary Manager (CDM)	75	

Hard Skills

Skill Name	Active Job Ads	
Food Service	944	
Microsoft Excel	469	
Microsoft Office	399	
Spanish	386	
Food Preparation	337	
Word Processing	336	
Microsoft Word	330	
English	294	
Long-Term Care	290	
Microsoft Outlook	263	

Soft Skills

Skill Name	Active Job Ads	
Communication (Verbal and written skills)	2,287	
Cooperative/Team Player	1,725	
Customer Service	813	
Self-Motivated/Ability to Work Independently/Self Leadership	547	
Supervision/Management	430	
Adaptability/Flexibility/Tolerance of Change and Uncertainty	424	
Confidentiality/Information Sensitivity	333	
Organization	315	
Problem Solving	310	
Punctual	305	

Job Titles

Job Title	Active Job Ads	
Dietary Aide	573	
Registered Dietitian	496	
Dietitian	161	
Nutrition Partner	156	
Clinical Dietitian	116	
Dietary Assistant/Dishwasher	96	
Registered Dietician	92	
Diet Clerk	78	
Diet Aide	69	
Dietary Supervisor	49	

Job Types

Type	Active Job Ads	
Full-Time	2,585	
Part-Time	1,457	
Permanent	456	
Temporary (unspecified)	222	
Remote	84	
Temporary (short-term)	24	
Temporary (long-term)	13	
Temp-to-Hire	7	
Remote Not Indicated	5,793	

Programs

Program Name	Active Job Ads	
Nutrition	1,226	
Dietetics	978	
Public Health	112	
Food Science	60	
Food Service Management	45	
Chemistry	37	
Culinary Arts	23	
Health	21	
Health Science	19	
Economics	15	

Education Levels

Minimum Education Level	Active Job Ads	
Bachelor's degree	1,867	
High school diploma or equivalent	1,160	
Associate's degree	195	
Master's degree	109	
Doctoral or professional degree	1	
Unspecified/other	2,545	

California Regional Map



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 07/06/2023 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.

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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