

# Economic Overview California



JOBS eQ

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# Demographic Profile

The population in California\* was 38,654,206 per American Community Survey data for 2012-2016.

The region has a civilian labor force of 19,260,868 with a participation rate of 63.3%. Of individuals 25 to 64 in California\*, 32.6% have a bachelor's degree or higher which compares with 31.8% in the nation.

The median household income in California\* is \$63,783 and the median house value is \$409,300.

## Summary<sup>1</sup>

|   | Percent    |                              |                              | Value      |                              |                              |
|---|------------|------------------------------|------------------------------|------------|------------------------------|------------------------------|
|   | California | Riverside County, California | Proxy for MSJC Service Area* | California | Riverside County, California | Proxy for MSJC Service Area* |
| <b>Demographics</b>   |            |                              |                              |            |                              |                              |
| Population (ACS)  | —          | —                            | —                            | 38,654,206 | 2,323,892                    | 903,486                      |
| Male  | 49.7%      | 49.7%                        | 49.1%                        | 19,200,970 | 1,156,126                    | 443,950                      |
| Female  | 50.3%      | 50.3%                        | 50.9%                        | 19,453,236 | 1,167,766                    | 459,536                      |
| Median Age <sup>2</sup>   | —          | —                            | —                            | 36.0       | 34.8                         | 35.0                         |
| Under 18 Years  | 23.6%      | 26.4%                        | 27.9%                        | 9,140,283  | 613,547                      | 251,745                      |
| 18 to 24 Years  | 10.2%      | 10.4%                        | 9.7%                         | 3,959,511  | 241,449                      | 87,723                       |
| 25 to 34 Years  | 14.7%      | 13.5%                        | 13.0%                        | 5,701,167  | 313,835                      | 117,139                      |
| 35 to 44 Years  | 13.3%      | 12.8%                        | 12.7%                        | 5,159,031  | 297,470                      | 114,324                      |
| 45 to 54 Years  | 13.5%      | 13.0%                        | 12.9%                        | 5,215,194  | 302,022                      | 116,796                      |
| 55 to 64 Years  | 11.6%      | 10.7%                        | 10.6%                        | 4,502,038  | 249,077                      | 95,614                       |
| 65 to 74 Years  | 7.3%       | 7.4%                         | 7.4%                         | 2,822,406  | 172,853                      | 66,852                       |
| 75 Years, and Over  | 5.6%       | 5.8%                         | 5.9%                         | 2,154,576  | 133,639                      | 53,293                       |
| Race: White   | 61.3%      | 63.3%                        | 65.9%                        | 23,680,584 | 1,470,294                    | 595,235                      |
| Race: Black or African American   | 5.9%       | 6.2%                         | 5.9%                         | 2,261,835  | 145,025                      | 53,028                       |
| Race: American Indian and Alaska Native   | 0.7%       | 0.9%                         | 1.1%                         | 285,512    | 20,205                       | 10,305                       |
| Race: Asian   | 13.9%      | 6.2%                         | 5.6%                         | 5,354,608  | 143,067                      | 50,511                       |
| Race: Native Hawaiian and Other Pacific Islander                                | 0.4%       | 0.3%                         | 0.3%                         | 150,908    | 6,915                        | 2,789                        |
| Race: Some Other Race   | 13.3%      | 18.8%                        | 16.0%                        | 5,133,600  | 436,022                      | 144,632                      |
| Race: Two or More Races   | 4.6%       | 4.4%                         | 5.2%                         | 1,787,159  | 102,364                      | 46,986                       |
| Hispanic or Latino (of any race)  | 38.6%      | 47.5%                        | 40.9%                        | 14,903,982 | 1,102,968                    | 369,223                      |
| <b>Economic</b>   |            |                              |                              |            |                              |                              |
| Labor Force Participation Rate and Size (civilian population 16 years and over) | 63.3%      | 60.0%                        | 58.7%                        | 19,260,868 | 1,067,758                    | 397,960                      |
| Armed Forces Labor Force  | 0.4%       | 0.2%                         | 0.5%                         | 130,452    | 4,169                        | 3,528                        |
| Veterans, Age 18-64   | 3.5%       | 4.7%                         | 6.4%                         | 858,263    | 66,299                       | 33,570                       |
| Veterans Labor Force Participation Rate and Size, Age 18-64                     | 74.6%      | 73.8%                        | 74.8%                        | 640,128    | 48,934                       | 25,116                       |
| Median Household Income <sup>2</sup>  | —          | —                            | —                            | \$63,783   | \$57,972                     | \$61,553                     |
| Per Capita Income   | —          | —                            | —                            | \$31,458   | \$24,443                     | \$23,595                     |
| Poverty Level (of all people)   | 15.8%      | 16.5%                        | 15.5%                        | 6,004,257  | 376,689                      | 138,294                      |
| Households Receiving Food Stamps  | 9.4%       | 10.7%                        | 10.9%                        | 1,205,984  | 75,518                       | 29,516                       |
| Mean Commute Time (minutes)   | —          | —                            | —                            | 28.4       | 32.9                         | 36.8                         |
| Commute via Public Transportation   | 5.2%       | 1.3%                         | 0.7%                         | 894,813    | 12,328                       | 2,244                        |
| <b>Educational Attainment, Age 25-64</b>  |            |                              |                              |            |                              |                              |
| No High School Diploma  | 17.2%      | 19.4%                        | 16.4%                        | 3,530,335  | 225,816                      | 72,963                       |
| High School Graduate  | 20.3%      | 26.3%                        | 26.6%                        | 4,170,491  | 305,585                      | 118,158                      |

## Summary<sup>1</sup>

|  | Percent    |                              |                              | Value      |                              |                              |
|--|------------|------------------------------|------------------------------|------------|------------------------------|------------------------------|
|  | California | Riverside County, California | Proxy for MSJC Service Area* | California | Riverside County, California | Proxy for MSJC Service Area* |
| Some College, No Degree  | 22.0%      | 25.8%                        | 28.4%                        | 4,532,783  | 299,927                      | 126,105                      |
| Associate's Degree   | 8.0%       | 8.0%                         | 8.8%                         | 1,636,710  | 93,190                       | 38,903                       |
| Bachelor's Degree  | 20.9%      | 13.5%                        | 13.3%                        | 4,304,717  | 156,803                      | 58,849                       |
| Postgraduate Degree  | 11.7%      | 7.0%                         | 6.5%                         | 2,402,394  | 81,083                       | 28,895                       |
| <b>Housing</b>   |            |                              |                              |            |                              |                              |
| Total Housing Units  | —          | —                            | —                            | 13,911,737 | 820,300                      | 298,653                      |
| Median House Value (of owner-occupied units) <sup>2</sup>              | —          | —                            | —                            | \$409,300  | \$276,300                    | \$259,617                    |
| Homeowner Vacancy  | 1.3%       | 2.0%                         | 1.7%                         | 89,797     | 9,476                        | 3,240                        |
| Rental Vacancy   | 3.8%       | 5.7%                         | 4.9%                         | 232,391    | 15,397                       | 4,630                        |
| Renter-Occupied Housing Units (% of Occupied Units)                    | 45.9%      | 35.5%                        | 33.1%                        | 5,878,380  | 250,792                      | 89,739                       |
| Occupied Housing Units with No Vehicle Available (% of Occupied Units) | 7.6%       | 4.8%                         | 4.4%                         | 974,500    | 33,534                       | 11,780                       |
| <b>Social</b>  |            |                              |                              |            |                              |                              |
| Enrolled in Grade 12 (% of total population)                           | 1.6%       | 1.9%                         | 2.0%                         | 620,023    | 44,660                       | 17,754                       |
| Disconnected Youth <sup>4</sup>  | 2.3%       | 2.4%                         | 1.9%                         | 48,002     | 3,450                        | 1,054                        |
| Children in Single Parent Families (% of all children)                 | 33.7%      | 33.5%                        | 31.8%                        | 2,942,866  | 195,037                      | 75,761                       |
| With a Disability, Age 18-64   | 8.2%       | 9.4%                         | 10.6%                        | 1,977,309  | 130,224                      | 55,727                       |
| With a Disability, Age 18-64, Labor Force Participation Rate and Size  | 40.4%      | 38.4%                        | 36.5%                        | 799,244    | 50,051                       | 20,324                       |
| Foreign Born   | 27.0%      | 21.9%                        | 17.7%                        | 10,437,630 | 508,459                      | 160,189                      |
| Speak English Less Than Very Well (population 5 yrs and over)          | 18.6%      | 15.0%                        | 11.5%                        | 6,730,055  | 324,550                      | 96,766                       |
| <b>Union Membership</b>  |            |                              |                              |            |                              |                              |
| Total <sup>3</sup>   | 15.4%      | 20.4%                        | 21.5%                        | —          | —                            | —                            |
| Private Sector <sup>3</sup>  | 8.2%       | 11.2%                        | 11.1%                        | —          | —                            | —                            |
| Manufacturing <sup>3</sup>   | 5.7%       | 8.4%                         | 8.4%                         | —          | —                            | —                            |
| Public Sector <sup>3</sup>   | 58.2%      | 62.1%                        | 62.4%                        | —          | —                            | —                            |

Source: [JobsEQ®](#)

1. American Community Survey 2012-2016, 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. 2017; Current Population Survey, unionstats.com, and Chmura; county- and zip-level data are best estimates based upon industry-, MSA-, and state-level data

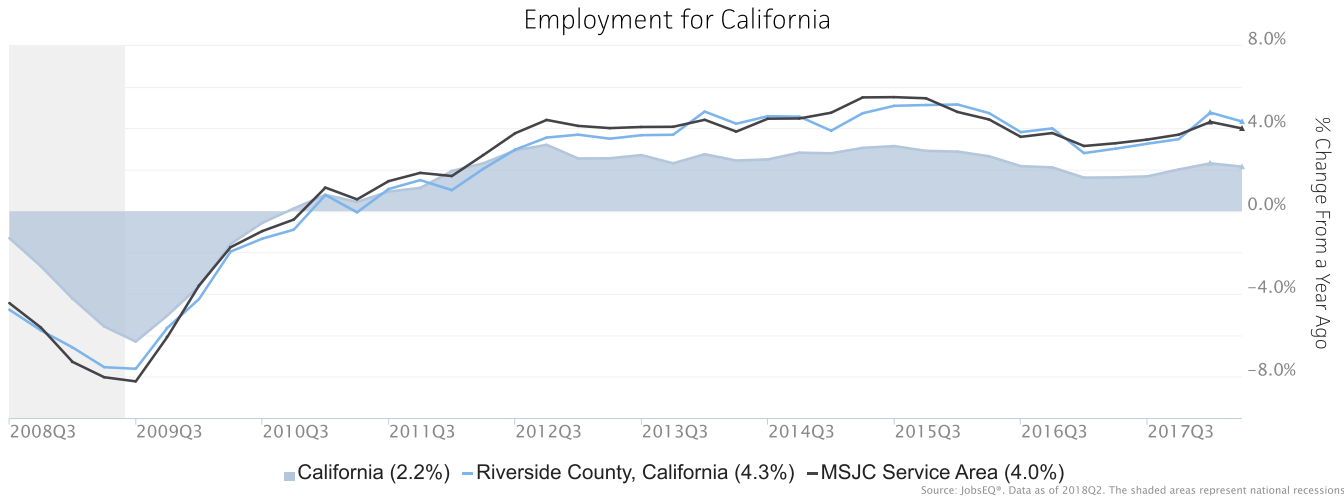
4. Disconnected Youth are 16-19 year olds who are (1) not in school, (2) not high school graduates, and (3) either unemployed or not in the labor force.

5. Census 2017, annual average growth rate since 2007

\* This user-defined region contains one or more partial ZCTA areas. Any such partial ZCTA within this region definition has been replaced by the full ZCTA for purposes of being described via the above data.

# Employment Trends

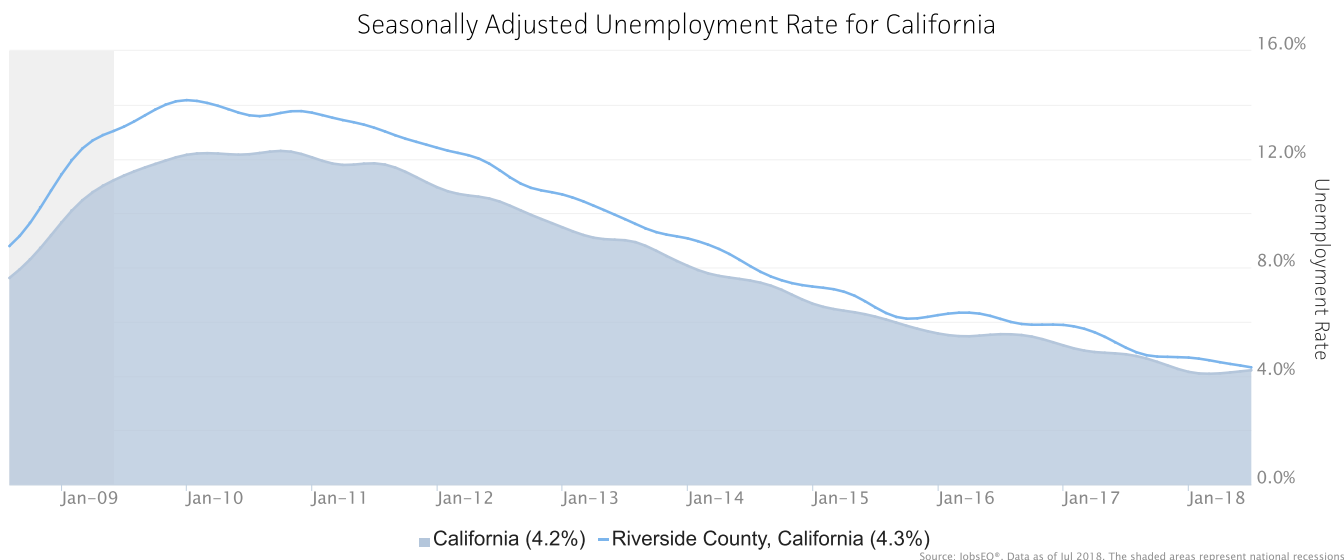
As of 2018Q2, total employment for California was 18,497,923 (based on a four-quarter moving average). Over the year ending 2018Q2, employment increased 2.2% in the region.



Employment data are derived from the Quarterly Census of Employment and Wages, provided by the Bureau of Labor Statistics and imputed where necessary. Data are updated through 2017Q4 with preliminary estimates updated to 2018Q2.

# Unemployment Rate

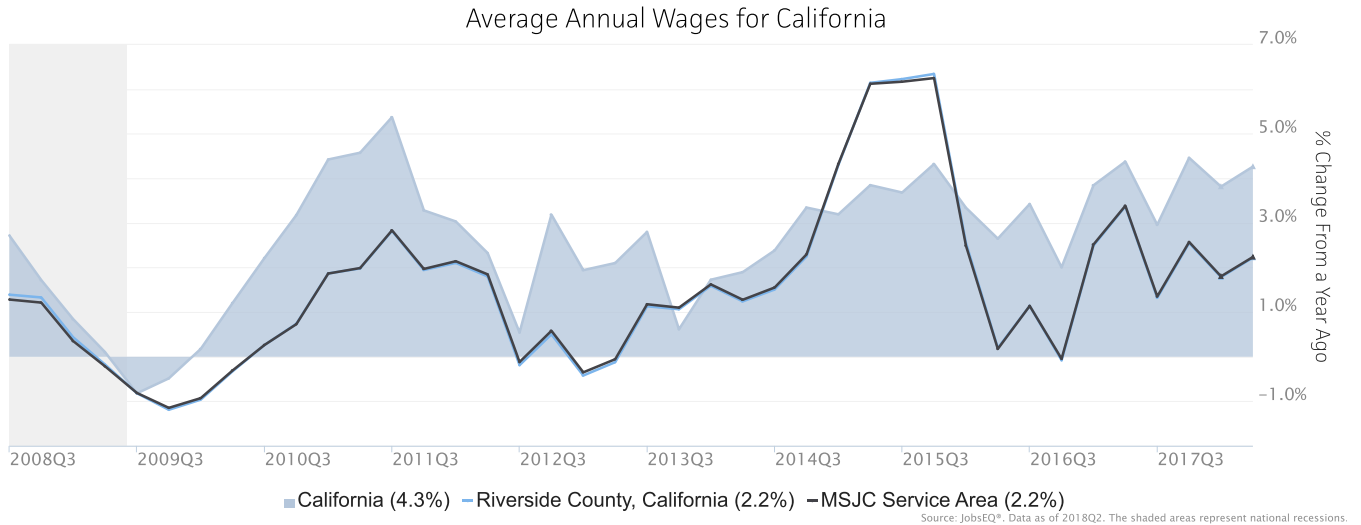
The seasonally adjusted unemployment rate for California was 4.2% as of July 2018. The regional unemployment rate was higher than the national rate of 3.9%. One year earlier, in July 2017, the unemployment rate in California was 4.8%.



Unemployment rate data are from the Local Area Unemployment Statistics, provided by the Bureau of Labor Statistics and updated through July 2018.

# Wage Trends

The average worker in California earned annual wages of \$66,262 as of 2018Q2. Average annual wages per worker increased 4.3% in the region during the preceding four quarters. For comparison purposes, annual average wages were \$56,444 in the nation as of 2018Q2.



Annual average wages per worker data are derived from the Quarterly Census of Employment and Wages, provided by the Bureau of Labor Statistics and imputed where necessary. Data are updated through 2017Q4 with preliminary estimates updated to 2018Q2.

# Cost of Living Index

The Cost of Living Index estimates the relative price levels for consumer goods and services. When applied to wages and salaries, the result is a measure of relative purchasing power. The cost of living is 44.4% higher in California than the U.S. average.

## Cost of Living Information

|                              | Annual Average Salary | Cost of Living Index |                     |
|------------------------------|-----------------------|----------------------|---------------------|
|                              |                       | (Base US)            | US Purchasing Power |
| California                   | \$66,262              | 144.4                | \$45,882            |
| Riverside County, California | \$44,411              | 134.7                | \$32,967            |
| MSJC Service Area            | \$44,383              | 134.7                | \$32,946            |
| USA                          | \$55,223              | 100.0                | \$55,223            |

Source: [JobsEQ®](#)

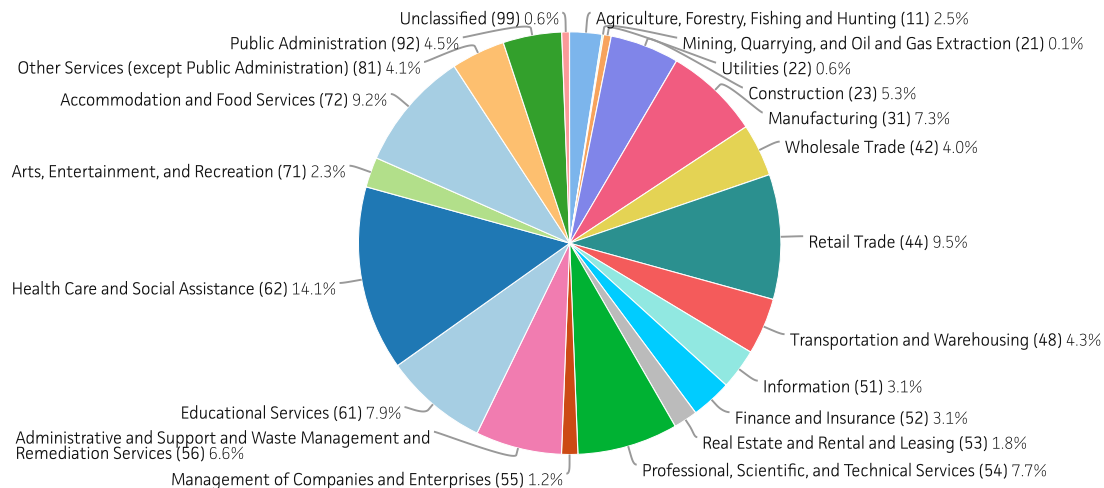
Data as of 2018Q2

Cost of Living per C2ER, data as of 2018q2, imputed by Chmura where necessary.

# Industry Snapshot

The largest sector in California is Health Care and Social Assistance, employing 2,613,413 workers. The next-largest sectors in the region are Retail Trade (1,766,380 workers) and Accommodation and Food Services (1,699,797). High location quotients (LQs) indicate sectors in which a region has high concentrations of employment compared to the national average. The sectors with the largest LQs in the region are Agriculture, Forestry, Fishing and Hunting (LQ = 1.79), Information (1.57), and Professional, Scientific, and Technical Services (1.17).

Total Workers for California by Industry



Source: JobsEQ®, Data as of 2018Q2

Employment data are derived from the Quarterly Census of Employment and Wages, provided by the Bureau of Labor Statistics and imputed where necessary. Data are updated through 2017Q4 with preliminary estimates updated to 2018Q2.

Sectors in California with the highest average wages per worker are Information (\$169,488), Management of Companies and Enterprises (\$129,238), and Finance and Insurance (\$126,201). Regional sectors with the best job growth (or most moderate job losses) over the last 5 years are Health Care and Social Assistance (+591,169 jobs), Accommodation and Food Services (+288,871), and Construction (+215,162).

Over the next 1 year, employment in California is projected to expand by 168,164 jobs. The fastest growing sector in the region is expected to be Health Care and Social Assistance with a +2.2% year-over-year rate of growth. The strongest forecast by number of jobs over this period is expected for Health Care and Social Assistance (+56,942 jobs), Professional, Scientific, and Technical Services (+19,131), and Administrative and Support and Waste Management and Remediation Services (+13,698).



| NAICS | Industry   | Current                          |                 |             | 5-Year History   |                       | 1-Year Forecast           |                |                  |                |              |
|-------|--|----------------------------------|-----------------|-------------|------------------|-----------------------|---------------------------|----------------|------------------|----------------|--------------|
|       |  | Four Quarters Ending with 2018q2 |                 |             | Total Change     | Avg Ann % Chg in Empl | Separations (Approximate) |                |                  | ---Growth---   |              |
|       |  | Empl                             | Avg Ann Wages   | LQ          | Empl             | Region                | Total New Demand          | Exits          | Transfers        | Empl           | Avg Ann Rate |
| 11    | Agriculture, Forestry, Fishing and Hunting                               | 456,257                          | \$39,334        | 1.79        | 13,877           | 0.6%                  | 52,168                    | 21,337         | 28,081           | 2,750          | 0.6%         |
| 21    | Mining, Quarrying, and Oil and Gas Extraction                            | 20,249                           | \$110,777       | 0.26        | -8,712           | -6.9%                 | 2,382                     | 678            | 1,387            | 317            | 1.6%         |
| 22    | Utilities  | 107,676                          | \$113,056       | 1.11        | 739              | 0.1%                  | 10,109                    | 3,529          | 6,200            | 381            | 0.4%         |
| 23    | Construction   | 978,225                          | \$65,447        | 0.94        | 215,162          | 5.1%                  | 107,310                   | 34,665         | 61,779           | 10,866         | 1.1%         |
| 31    | Manufacturing  | 1,347,073                        | \$94,075        | 0.89        | 62,922           | 1.0%                  | 132,454                   | 51,904         | 88,470           | -7,920         | -0.6%        |
| 42    | Wholesale Trade  | 742,802                          | \$80,145        | 1.03        | 36,098           | 1.0%                  | 80,643                    | 29,518         | 48,641           | 2,485          | 0.3%         |
| 44    | Retail Trade   | 1,766,380                        | \$36,134        | 0.90        | 95,993           | 1.1%                  | 240,845                   | 104,265        | 131,637          | 4,944          | 0.3%         |
| 48    | Transportation and Warehousing   | 801,396                          | \$53,575        | 0.98        | 214,706          | 6.4%                  | 92,357                    | 36,363         | 48,764           | 7,230          | 0.9%         |
| 51    | Information  | 572,907                          | \$169,488       | 1.57        | 98,037           | 3.8%                  | 63,522                    | 20,434         | 35,573           | 7,515          | 1.3%         |
| 52    | Finance and Insurance  | 575,133                          | \$126,201       | 0.78        | 22,770           | 0.8%                  | 59,965                    | 20,876         | 33,609           | 5,481          | 1.0%         |
| 53    | Real Estate and Rental and Leasing                                       | 341,758                          | \$71,910        | 1.08        | 34,230           | 2.1%                  | 37,385                    | 15,932         | 18,902           | 2,551          | 0.7%         |
| 54    | Professional, Scientific, and Technical Services                         | 1,425,697                        | \$115,301       | 1.17        | 118,536          | 1.8%                  | 141,993                   | 46,109         | 76,753           | 19,131         | 1.3%         |
| 55    | Management of Companies and Enterprises                                  | 229,812                          | \$129,238       | 0.84        | 20,105           | 1.8%                  | 22,403                    | 7,777          | 13,102           | 1,524          | 0.7%         |
| 56    | Administrative and Support and Waste Management and Remediation Services | 1,220,858                        | \$44,939        | 1.02        | 155,696          | 2.8%                  | 154,912                   | 59,998         | 81,217           | 13,698         | 1.1%         |
| 61    | Educational Services   | 1,469,465                        | \$56,607        | 0.97        | 135,489          | 2.0%                  | 148,494                   | 65,673         | 70,633           | 12,189         | 0.8%         |
| 62    | Health Care and Social Assistance  | 2,613,413                        | \$53,846        | 0.99        | 591,169          | 5.3%                  | 304,360                   | 121,555        | 125,863          | 56,942         | 2.2%         |
| 71    | Arts, Entertainment, and Recreation                                      | 426,930                          | \$57,369        | 1.15        | 44,623           | 2.2%                  | 63,151                    | 26,932         | 33,001           | 3,217          | 0.8%         |
| 72    | Accommodation and Food Services  | 1,699,797                        | \$24,945        | 1.02        | 288,871          | 3.8%                  | 287,770                   | 121,993        | 153,574          | 12,203         | 0.7%         |
| 81    | Other Services (except Public Administration)                            | 761,032                          | \$37,726        | 0.94        | -122,996         | -3.0%                 | 91,893                    | 39,552         | 47,051           | 5,290          | 0.7%         |
| 92    | Public Administration  | 831,937                          | \$82,108        | 0.96        | 28,517           | 0.7%                  | 78,692                    | 32,519         | 44,038           | 2,136          | 0.3%         |
| 99    | Unclassified   | 109,127                          | \$60,511        | 3.25        | 53,650           | 14.5%                 | 13,472                    | 5,221          | 7,142            | 1,109          | 1.0%         |
|       | <b>Total - All Industries</b>  | <b>18,497,923</b>                | <b>\$66,262</b> | <b>1.00</b> | <b>2,099,483</b> | <b>2.4%</b>           | <b>2,193,892</b>          | <b>868,391</b> | <b>1,157,338</b> | <b>168,164</b> | <b>0.9%</b>  |

Source: [JobsEQ®](#)

Employment data are derived from the Quarterly Census of Employment and Wages, provided by the Bureau of Labor Statistics and imputed where necessary. Data are updated through 2017Q4 with preliminary estimates updated to 2018Q2. Forecast employment growth uses national projections adapted for regional growth patterns.

# Occupation Snapshot

The largest major occupation group in California is Office and Administrative Support Occupations, employing 2,689,915 workers. The next-largest occupation groups in the region are Sales and Related Occupations (1,832,724 workers) and Food Preparation and Serving Related Occupations (1,628,474). High location quotients (LQs) indicate occupation groups in which a region has high concentrations of employment compared to the national average. The major groups with the largest LQs in the region are Farming, Fishing, and Forestry Occupations (LQ = 2.70), Arts, Design, Entertainment, Sports, and Media Occupations (1.35), and Computer and Mathematical Occupations (1.20).

Occupation groups in California with the highest average wages per worker are Management Occupations (\$131,800), Legal Occupations (\$128,300), and Computer and Mathematical Occupations (\$104,400). The unemployment rate in the region varied among the major groups from 1.3% among Healthcare Practitioners and Technical Occupations to 13.7% among Farming, Fishing, and Forestry Occupations.

Over the next 1 year, the fastest growing occupation group in California is expected to be Healthcare Support Occupations with a +2.3% year-over-year rate of growth. The strongest forecast by number of jobs over this period is expected for Personal Care and Service Occupations (+15,667 jobs) and Healthcare Practitioners and Technical Occupations (+15,547). Over the same period, the highest separation demand (occupation demand due to retirements and workers moving from one occupation to another) is expected in Office and Administrative Support Occupations (300,881 jobs) and Food Preparation and Serving Related Occupations (284,282).

Occupation Snapshot in California, 2018q2

| SOC     | Occupation                                     | Current                          |                            |      |                |      |                             | 5-Year History |                       | 1-Year Forecast  |                 |         |              |          |
|---------|--|----------------------------------|----------------------------|------|----------------|------|-----------------------------|----------------|-----------------------|------------------|-----------------|---------|--------------|----------|
|         |  | Four Quarters Ending with 2018q2 |                            |      | ----2018q2---- |      |                             | Total Change   | Avg Ann % Chg in Empl | Total New Demand | --Separations-- |         | ---Growth--- |          |
|         |  | Empl                             | Avg Ann Wages <sup>1</sup> | LQ   | Unempl         | Rate | Online Job Ads <sup>2</sup> |                |                       |                  | Empl            | Region  | Exits        | Transfer |
| 11-0000 | Management                                     | 1,165,975                        | \$131,800                  | 1.05 | 17,699         | 1.5% | 63,996                      | 122,812        | 2.3%                  | 106,690          | 32,366          | 61,290  | 13,033       | 1.1%     |
| 13-0000 | Business and Financial Operations              | 1,024,089                        | \$83,500                   | 1.08 | 27,868         | 2.7% | 50,507                      | 89,855         | 1.9%                  | 106,083          | 31,596          | 62,530  | 11,958       | 1.2%     |
| 15-0000 | Computer and Mathematical                      | 651,723                          | \$104,400                  | 1.20 | 13,442         | 2.1% | 78,829                      | 106,897        | 3.6%                  | 55,465           | 11,450          | 33,101  | 10,914       | 1.7%     |
| 17-0000 | Architecture and Engineering                   | 346,339                          | \$99,200                   | 1.11 | 5,524          | 1.6% | 15,231                      | 21,117         | 1.3%                  | 27,740           | 8,861           | 16,194  | 2,686        | 0.8%     |
| 19-0000 | Life, Physical, and Social Science             | 177,823                          | \$82,100                   | 1.17 | 4,843          | 2.7% | 11,363                      | 11,738         | 1.4%                  | 18,190           | 4,723           | 11,445  | 2,022        | 1.1%     |
| 21-0000 | Community and Social Service                   | 291,296                          | \$55,200                   | 0.98 | 7,944          | 2.7% | 16,338                      | 65,194         | 5.2%                  | 39,014           | 12,435          | 20,834  | 5,745        | 2.0%     |
| 23-0000 | Legal  | 155,094                          | \$128,300                  | 1.04 | 3,070          | 2.0% | 4,225                       | 6,737          | 0.9%                  | 11,050           | 3,889           | 5,477   | 1,684        | 1.1%     |
| 25-0000 | Education, Training, and Library               | 1,023,229                        | \$65,600                   | 0.99 | 35,775         | 3.4% | 19,401                      | 111,911        | 2.3%                  | 101,669          | 46,819          | 44,333  | 10,518       | 1.0%     |
| 27-0000 | Arts, Design, Entertainment, Sports, and Media | 450,693                          | \$71,500                   | 1.35 | 9,728          | 2.2% | 15,331                      | 35,025         | 1.6%                  | 47,085           | 18,342          | 25,004  | 3,739        | 0.8%     |
| 29-0000 | Healthcare Practitioners and Technical         | 919,643                          | \$95,700                   | 0.88 | 11,937         | 1.3% | 48,044                      | 125,447        | 3.0%                  | 66,557           | 26,027          | 24,983  | 15,547       | 1.7%     |
| 31-0000 | Healthcare Support                             | 414,988                          | \$36,700                   | 0.80 | 13,703         | 3.2% | 14,921                      | 76,070         | 4.1%                  | 59,391           | 24,920          | 25,064  | 9,407        | 2.3%     |
| 33-0000 | Protective Service                             | 394,145                          | \$58,300                   | 1.00 | 13,785         | 3.4% | 10,603                      | 36,269         | 1.9%                  | 47,866           | 21,608          | 23,863  | 2,395        | 0.6%     |
| 35-0000 | Food Preparation and Serving Related           | 1,628,474                        | \$28,400                   | 1.02 | 115,314        | 6.6% | 55,254                      | 270,064        | 3.7%                  | 298,528          | 126,980         | 157,302 | 14,247       | 0.9%     |
| 37-0000 | Building and Grounds Cleaning and Maintenance  | 620,793                          | \$33,000                   | 0.96 | 32,427         | 5.0% | 14,235                      | -13,603        | -0.4%                 | 85,675           | 38,791          | 40,892  | 5,991        | 1.0%     |
| 39-0000 | Personal Care and Service                      | 739,790                          | \$30,200                   | 1.03 | 31,596         | 4.2% | 18,766                      | 78,407         | 2.3%                  | 132,119          | 59,787          | 56,666  | 15,667       | 2.1%     |

## Occupation Snapshot in California, 2018q2

| SOC                            | Occupation                            | Current                          |                            |             |                |            |                             | 5-Year History   |                       | 1-Year Forecast  |                |                  |                |             |
|--------------------------------|---------------------------------------|----------------------------------|----------------------------|-------------|----------------|------------|-----------------------------|------------------|-----------------------|------------------|----------------|------------------|----------------|-------------|
|                                |                                       | Four Quarters Ending with 2018q2 |                            |             | ----2018q2---- |            |                             | Total Change     | Avg Ann % Chg in Empl | --Separations--  |                |                  | ---Growth---   |             |
|                                |                                       | Empl                             | Avg Ann Wages <sup>1</sup> | LQ          | Unempl         | Rate       | Online Job Ads <sup>2</sup> |                  |                       | Empl             | Region         | Total New Demand | Exits          | Transfer    |
| 41-0000                        | Sales and Related                     | 1,832,724                        | \$43,800                   | 0.97        | 84,830         | 4.5%       | 104,811                     | 120,667          | 1.4%                  | 256,218          | 106,809        | 141,817          | 7,591          | 0.4%        |
| 43-0000                        | Office and Administrative Support     | 2,689,915                        | \$41,900                   | 0.98        | 101,543        | 3.7%       | 86,471                      | 289,415          | 2.3%                  | 308,685          | 139,140        | 161,741          | 7,804          | 0.3%        |
| 45-0000                        | Farming, Fishing, and Forestry        | 329,102                          | \$26,600                   | 2.70        | 51,628         | 13.7%      | 463                         | 15,742           | 1.0%                  | 51,973           | 12,428         | 37,693           | 1,852          | 0.6%        |
| 47-0000                        | Construction and Extraction           | 782,243                          | \$58,000                   | 0.93        | 50,428         | 6.2%       | 9,018                       | 151,503          | 4.4%                  | 89,528           | 28,185         | 52,828           | 8,514          | 1.1%        |
| 49-0000                        | Installation, Maintenance, and Repair | 614,231                          | \$52,800                   | 0.87        | 19,137         | 3.1%       | 21,365                      | 65,896           | 2.3%                  | 64,269           | 22,007         | 37,452           | 4,810          | 0.8%        |
| 51-0000                        | Production                            | 970,007                          | \$38,600                   | 0.86        | 48,427         | 4.9%       | 17,656                      | 65,564           | 1.4%                  | 106,457          | 41,158         | 67,942           | -2,643         | -0.3%       |
| 53-0000                        | Transportation and Material Moving    | 1,275,608                        | \$38,400                   | 0.99        | 73,084         | 5.6%       | 32,896                      | 246,759          | 4.4%                  | 171,060          | 65,404         | 93,882           | 11,773         | 0.9%        |
| <b>Total - All Occupations</b> |                                       | <b>18,497,923</b>                | <b>\$57,500</b>            | <b>1.00</b> | <b>n/a</b>     | <b>n/a</b> | <b>709,725</b>              | <b>2,099,483</b> | <b>2.4%</b>           | <b>2,254,102</b> | <b>883,728</b> | <b>1,202,332</b> | <b>168,041</b> | <b>0.9%</b> |

Source: [JobsEQ®](#)

Data as of 2018Q2 unless noted otherwise

Note: Figures may not sum due to rounding.

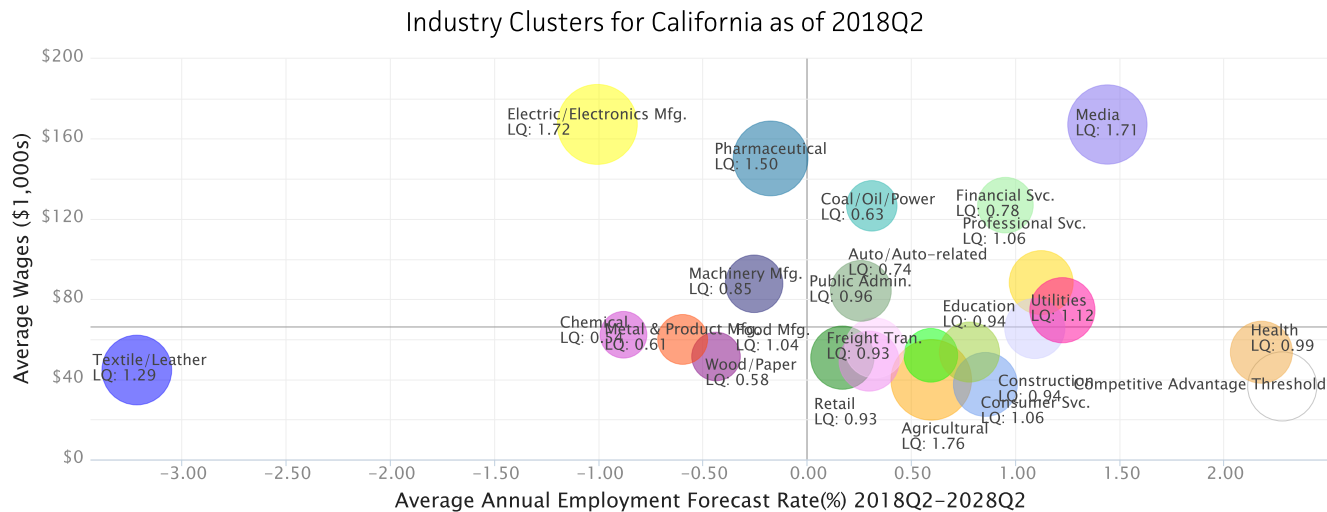
1. Occupation wages are as of 2017 and should be taken as the average for all Covered Employment

2. Data represent found online ads active within the last thirty days in the selected region; data represents a sampling rather than the complete universe of postings. Ads lacking zip code information but designating a place (city, town, etc.) may be assigned to the zip code with greatest employment in that place for queries in this analytic. 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).

Occupation employment data are estimated via industry employment data and the estimated 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 2017Q4, imputed where necessary with preliminary estimates updated to 2018Q2. Wages by occupation are as of 2017 provided by the BLS and imputed where necessary. Forecast employment growth uses national projections from the Bureau of Labor Statistics adapted for regional growth patterns.

# Industry Clusters

A cluster is a geographic concentration of interrelated industries or occupations. The industry cluster in California with the highest relative concentration is Agricultural with a location quotient of 1.76. This cluster employs 463,723 workers in the region with an average wage of \$39,824. Employment in the Agricultural cluster is projected to expand in the region about 0.6% per year over the next ten years.

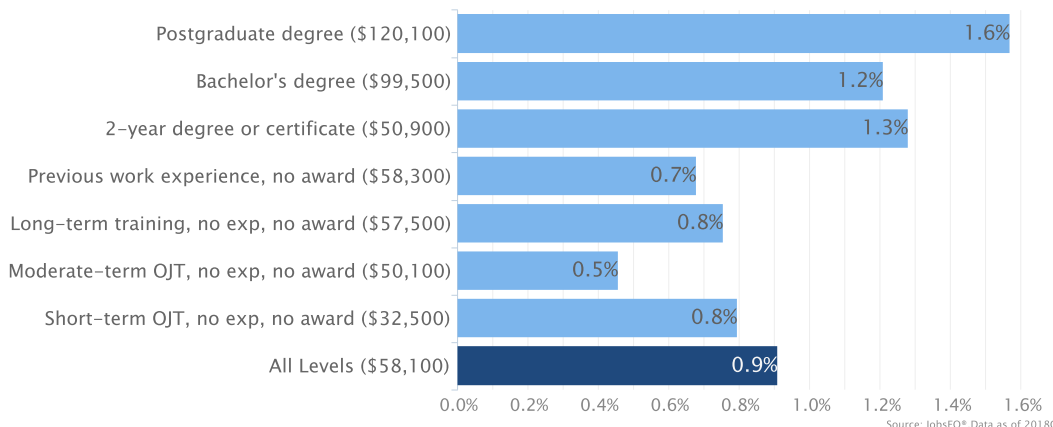


Location quotient and average wage data are derived from the Quarterly Census of Employment and Wages, provided by the Bureau of Labor Statistics, imputed where necessary, and updated through 2017Q4 with preliminary estimates updated to 2018Q2. Forecast employment growth uses national projections from the Bureau of Labor Statistics adapted for regional growth patterns.

# Education Levels

Expected growth rates for occupations vary by the education and training required. While all employment in California is projected to grow 0.9% over the next ten years, occupations typically requiring a postgraduate degree are expected to grow 1.6% per year, those requiring a bachelor’s degree are forecast to grow 1.2% per year, and occupations typically needing a 2-year degree or certificate are expected to grow 1.3% per year.

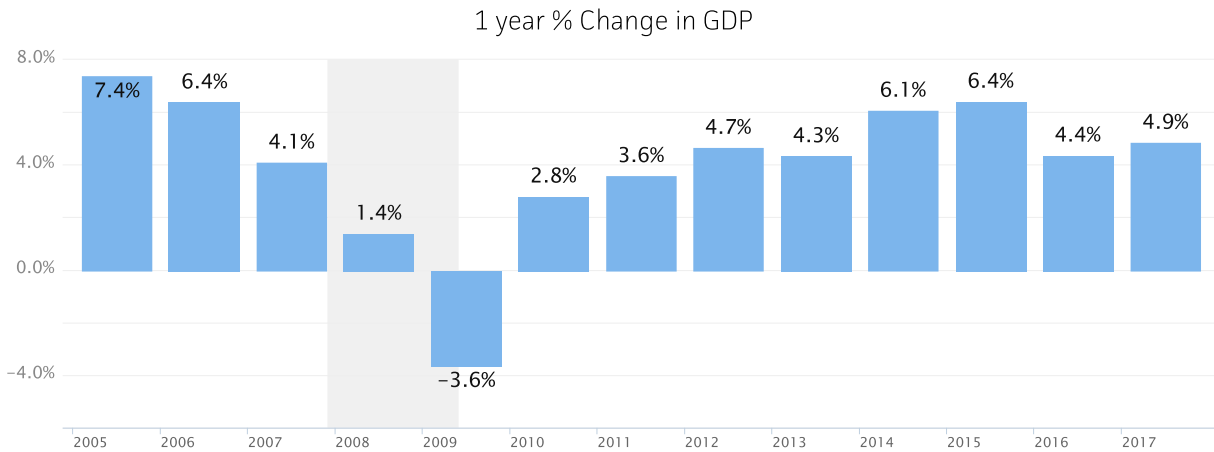
Annual Average Projected Job Growth by Training Required for California



Employment by occupation data are estimates as of 2018Q2. Education levels of occupations are based on BLS assignments. Forecast employment growth uses national projections from the Bureau of Labor Statistics adapted for regional growth patterns.

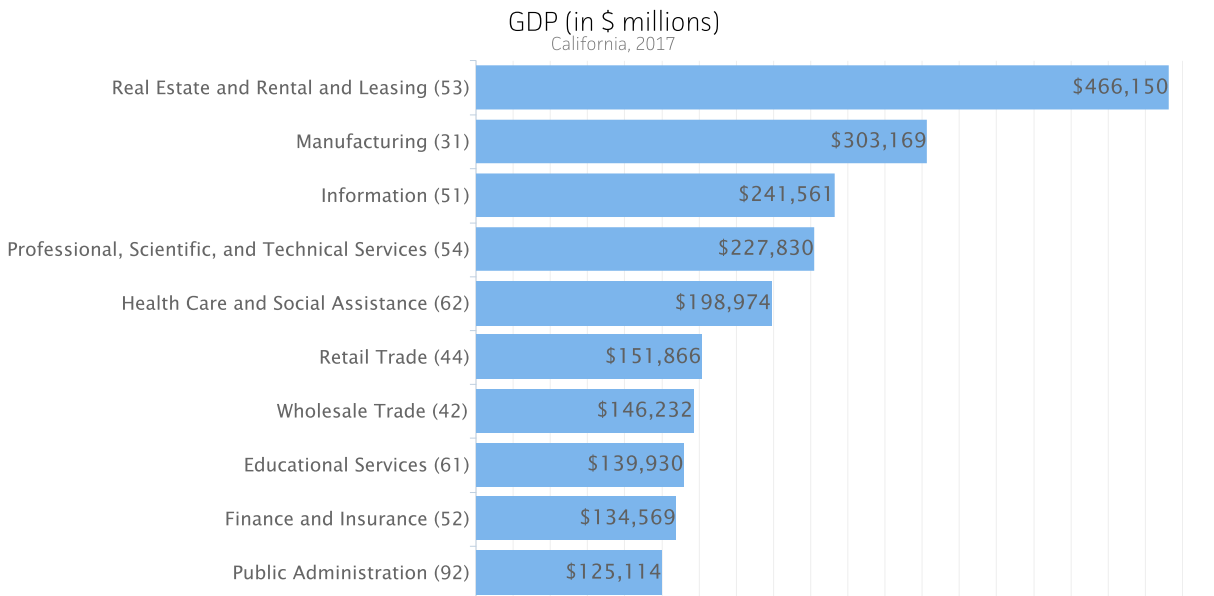
# Gross Domestic Product

Gross Domestic Product (GDP) is the total value of goods and services produced by a region. In 2017, nominal GDP in California expanded 4.9%. This follows growth of 4.4% in 2016. As of 2017, total GDP in California was \$2,746,873,000,000.



Gross Domestic Product data are provided by the Bureau of Economic Analysis, imputed by Chmura where necessary, updated through 2017.

Of the sectors in California, Real Estate and Rental and Leasing contributed the largest portion of GDP in 2017, \$466,149,966,000. The next-largest contributions came from Manufacturing (\$303,168,604,000); Information (\$241,561,173,000); and Professional, Scientific, and Technical Services (\$227,830,285,000).



Gross Domestic Product data are provided by the Bureau of Economic Analysis, imputed by Chmura where necessary, updated through 2017.

# Region Definition

MSJC Service Area is defined as the following zip code tabulation areas: ZCTA 92220; ZCTA 92223; ZCTA 92230; ZCTA 92282; ZCTA 92320; ZCTA 92530 (Orange County, CA portion); ZCTA 92532; ZCTA 92536; ZCTA 92539; ZCTA 92543; ZCTA 92544; ZCTA 92545; ZCTA 92548; ZCTA 92549; ZCTA 92561; ZCTA 92562; ZCTA 92563; ZCTA 92567; ZCTA 92570; ZCTA 92571; ZCTA 92582; ZCTA 92583; ZCTA 92584; ZCTA 92585; ZCTA 92586; ZCTA 92587; ZCTA 92590; ZCTA 92591; ZCTA 92592; ZCTA 92595; ZCTA 92596

# FAQ

## 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 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 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 cluster?

A cluster is a geographic concentration of interrelated industries or occupations. If a regional cluster has a location quotient of 1.25 or greater, the region is considered to possess a *competitive advantage* in that cluster.

## What is the difference between industry wages and occupation wages?

Industry wages and occupation wages are estimated via separate data sets, often the time periods being reported do not align, and wages are defined slightly differently in the two systems (for example, certain bonuses are included in the industry wages but not the occupation wages). It is therefore common that estimates of the average industry wages and average occupation wages in a region do not match exactly.

## 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.

## 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 820 occupations according to their occupational definition. To facilitate classification, occupations are combined to form 23 major groups, 96 minor groups, and 449 occupation groups. Each occupation group includes detailed occupations requiring similar job duties, skills, education, or experience.

## About This Report

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