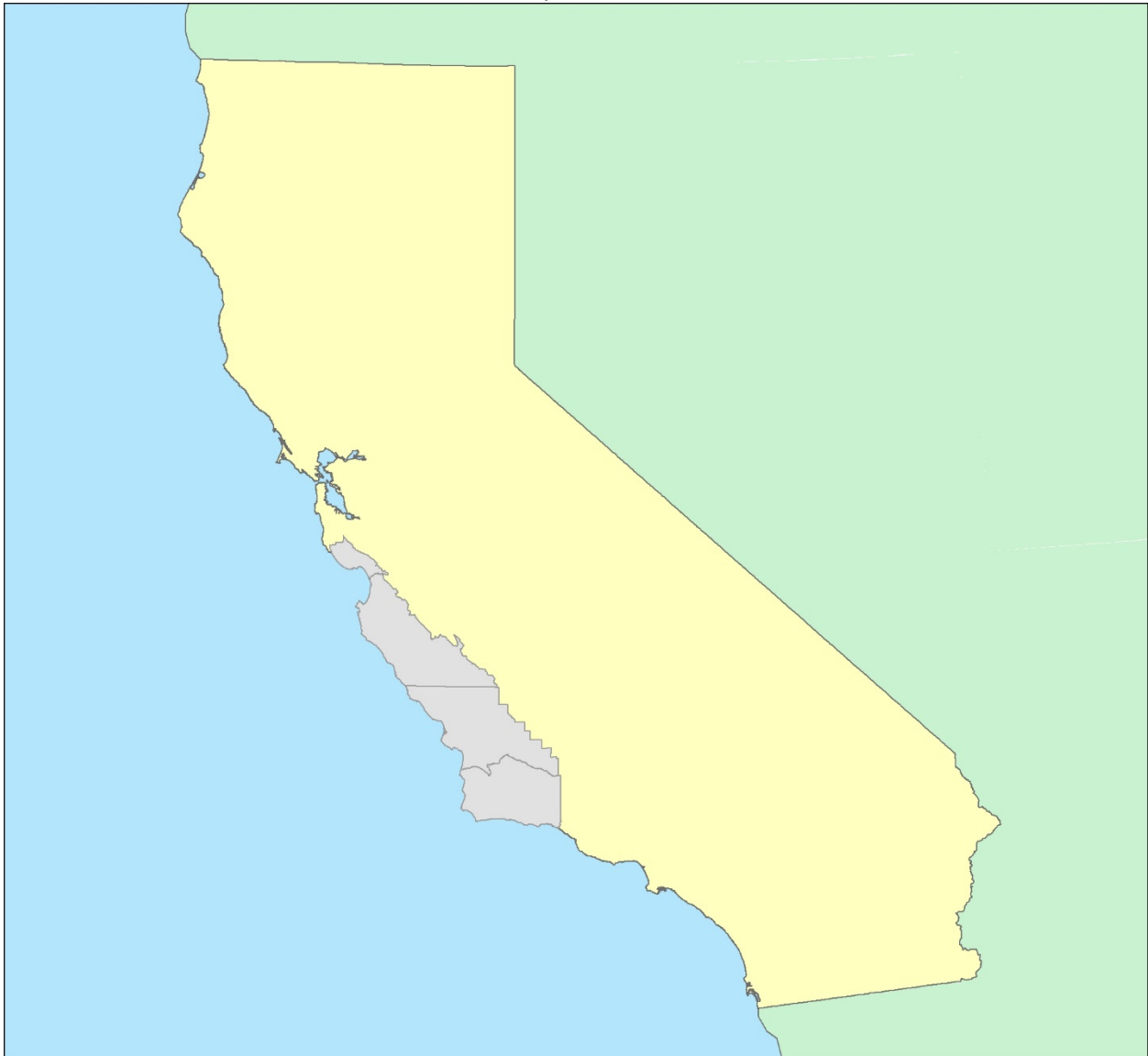


Regional Planning Unit Summary: Coastal

Employment Development Department, Labor Market Information Division

Revised September 1, 2016



Monterey, San Luis Obispo, Santa Barbara, and Santa Cruz Counties

Regional Planning Unit: Coastal

Local Workforce Development Areas: Monterey County, San Luis Obispo County, Santa Barbara County, and Santa Cruz County

Counties: Monterey, San Luis Obispo, Santa Barbara, and Santa Cruz

Labor Market Profile

| | May 2016 | May 2015 | Change | Percent |
|-------------------|----------|----------|--------|---------|
| Labor Market | 740,400 | 740,600 | -200 | 0.0% |
| Employed | 704,400 | 698,100 | 6,300 | 0.9% |
| Unemployed | 35,900 | 42,600 | -6,700 | -15.7% |
| Unemployment Rate | 4.8% | 5.8% | -0.9% | - |

Source: Employment Development Department, Labor Market Information Division.

Data Note: Numbers may not add due to rounding.

Unemployment Insurance Claims

Unemployment Insurance Claims data is available by county [here](#).

Source: Employment Development Department, Unemployment Insurance Division.

Commute Patterns

| Living and Employed in the Area | Inflow | Outflow |
|---------------------------------|---------|---------|
| 291,746 | 127,773 | 137,869 |

Source: U.S. Census Bureau, OnTheMap Application and LEHD Origin-Destination Employment Statistics (Beginning of Quarter Employment, 2nd Quarter of 2002-2014).

Regional Economic Growth

| Major Industry Sector | May 2016 (preliminary) | May 2012 | Change | Percent | Location Quotient |
|-------------------------------------|---------------------------|----------|--------|---------|----------------------|
| Total All Industries | 647,500 | 583,700 | 63,800 | 10.9% | - |
| Total Farm | 104,000 | 91,800 | 12,200 | 13.3% | 5.7 |
| Total Nonfarm | 543,500 | 491,900 | 51,600 | 10.5% | 0.9 |
| Mining and Logging | 1,300 | 1,500 | -200 | -13.3% | 1.3 |
| Construction | 13,500 | 10,700 | 2,800 | 26.2% | 0.5 |
| Manufacturing | 32,600 | 29,400 | 3,200 | 10.9% | 0.7 |
| Trade, Transportation and Utilities | 93,600 | 86,700 | 6,900 | 8.0% | 0.8 |
| Information | 8,000 | 7,600 | 400 | 5.3% | 0.4 |
| Financial Activities | 18,300 | 18,100 | 200 | 1.1% | 0.6 |
| Professional and Business Services | 58,700 | 54,700 | 4,000 | 7.3% | 0.6 |
| Educational and Health Services | 78,700 | 70,100 | 8,600 | 12.3% | 0.8 |
| Leisure and Hospitality | 85,300 | 72,200 | 13,100 | 18.1% | 1.2 |
| Other Services | 22,100 | 18,800 | 3,300 | 17.6% | 1.0 |
| Government | 120,800 | 113,900 | 6,900 | 6.1% | 1.2 |

Source: Employment Development Department, Labor Market Information Division.

Data Note: Numbers may not add due to suppression. Location quotients (LQs) are ratios that allow a Regional Planning Unit (RPU)'s distribution of employment for an industry to be compared to California's distribution of employment for the same industry. Specifically, LQs are calculated by first dividing RPU industry employment by the all industry total of RPU employment. Second, California industry employment is divided by the all industry total for California. Finally, the RPU ratio (first calculation) is divided by the California ratio (second calculation). If an LQ is equal to 1, then the industry has the same share of RPU employment as it does in California. An LQ greater than 1 indicates an industry with a greater share of RPU employment than is the case statewide.

Demand Industry Sectors

| Top Demand Industry Sub Sector | Total Projected Job Openings 2012-2022 | Location Quotient |
|--|---|------------------------------|
| Restaurants and Other Eating Places | 25,024 | 1.1 |
| Support Activities for Crop Production | 23,312 | 5.8 |
| Elementary and Secondary Schools | 11,781 | 1.0 |
| Fruit and Tree Nut Farming | 8,844 | 6.1 |
| Colleges, Universities, and Professional Schools | 7,664 | 1.4 |
| Traveler Accommodation | 7,624 | 2.2 |
| Individual and Family Services | 6,103 | 0.8 |
| General Medical and Surgical Hospitals | 5,961 | 0.8 |
| Offices of Physicians | 5,514 | 1.0 |
| Grocery Stores | 5,454 | 1.2 |

Source: Employment Development Department, Labor Market Information Division.

Data Note: Total projected job openings are the sum of new and replacement job openings.

Emergent Industry Sectors

| Top Emergent Industry Sub Sector | Numeric Change 2012-2022 | Percent Change | Location Quotient |
|---|---|---------------------------|------------------------------|
| Other General Merchandise Stores | 2,260 | 97.0% | 0.7 |
| Management, Scientific, and Technical Consulting Services | 2,460 | 64.4% | 0.6 |
| Building Finishing Contractors | 1,520 | 54.7% | 0.9 |
| Residential Building Construction | 1,750 | 48.5% | 1.2 |
| Computer Systems Design and Related Services | 1,660 | 43.9% | 0.6 |
| Individual and Family Services | 4,740 | 43.6% | 0.8 |
| Office Administrative Services | 1,080 | 43.2% | 0.9 |
| Business Support Services | 500 | 42.7% | 0.6 |
| Foundation, Structure, and Building Exterior Contractors | 1,020 | 42.7% | 0.8 |
| Beverage Manufacturing | 1,550 | 41.2% | 2.3 |

Source: Employment Development Department, Labor Market Information Division.

Data Note: Emergent industry sectors are industries with the highest levels of growth as measured by percent change.

Top 25 Middle-Skill, Middle-Wage or Higher Occupations

| Top 25 Middle-Skill, Middle-Wage or Higher Occupations | Total Projected Job Openings 2012-2022 | HWOL Job Ads | Median Annual Wage 2016 1st Quarter |
|---|---|---------------------|--|
| Registered Nurses | 3,440 | 2,412 | \$101,728 |
| Teacher Assistants | 1,832 | 295 | \$31,615 |
| Medical Assistants | 1,533 | 393 | \$34,886 |
| Heavy and Tractor-Trailer Truck Drivers | 1,469 | 1,141 | \$44,728 |
| Nursing Assistants | 1,232 | 232 | \$30,033 |
| Licensed Practical and Licensed Vocational Nurses | 774 | 413 | \$53,477 |
| Computer User Support Specialists | 710 | 526 | \$49,250 |
| Preschool Teachers, Except Special Education | 683 | 288 | \$31,550 |
| Dental Assistants | 606 | 293 | \$40,357 |
| Firefighters | 532 | 10 | \$57,313 |
| First-Line Supervisors of Production and Operating Workers | 428 | 288 | \$57,497 |
| Medical Records and Health Information Technicians | 364 | 143 | \$39,664 |
| Dental Hygienists | 357 | 89 | \$97,793 |
| Web Developers | 340 | 294 | \$59,357 |
| Massage Therapists | 249 | 114 | \$46,214 |
| Library Technicians | 246 | 17 | \$40,469 |
| Radiologic Technologists | 229 | 84 | \$73,923 |
| Medical and Clinical Laboratory Technicians | 216 | 54 | \$50,216 |
| Electrical and Electronics Engineering Technicians | 216 | 75 | \$59,824 |
| Audio and Video Equipment Technicians | 213 | 42 | \$44,654 |
| Psychiatric Technicians | 209 | 52 | \$61,067 |
| Paralegals and Legal Assistants | 189 | 71 | \$50,066 |
| Emergency Medical Technicians and Paramedics | 184 | 58 | \$47,331 |
| Telecommunications Equipment Installers and Repairers, Except Line Installers | 171 | 86 | \$62,402 |
| Veterinary Technologists and Technicians | 170 | 51 | \$38,101 |

Source: Employment Development Department, Labor Market Information Division; The Conference Board Help Wanted OnLine™ (HWOL) Data Series, 120-day period ending June 21, 2016.

Data Note: Middle-skill occupations typically require more than a high school diploma but less than a Bachelor's degree. Middle-wage occupations make at least 80 percent of the area's median annual wage (\$36,229).

Demographic Data

| Age | Population | Percent Share of Total Population |
|--------------------|------------------|-----------------------------------|
| Under 5 Years | 89,653 | 6.4% |
| 5 to 9 Years | 87,266 | 6.2% |
| 10 to 14 Years | 86,268 | 6.2% |
| 15 to 17 Years | 53,357 | 3.8% |
| 18 and 19 Years | 58,679 | 4.2% |
| 20 Years | 32,522 | 2.3% |
| 21 Years | 32,096 | 2.3% |
| 22 to 24 Years | 72,626 | 5.2% |
| 25 to 29 Years | 94,385 | 6.8% |
| 30 to 34 Years | 91,553 | 6.6% |
| 35 to 39 Years | 82,501 | 5.9% |
| 40 to 44 Years | 85,250 | 6.1% |
| 45 to 49 Years | 86,836 | 6.2% |
| 50 to 54 Years | 92,637 | 6.6% |
| 55 to 59 Years | 90,165 | 6.5% |
| 60 and 61 Years | 34,107 | 2.4% |
| 62 to 64 Years | 44,936 | 3.2% |
| 65 and 66 Years | 27,302 | 2.0% |
| 67 to 69 Years | 30,776 | 2.2% |
| 70 to 74 Years | 40,672 | 2.9% |
| 75 to 79 Years | 30,743 | 2.2% |
| 80 to 84 Years | 24,647 | 1.8% |
| 85 Years and Older | 28,892 | 2.1% |
| Total | 1,397,869 | 100.0% |

Source: U.S. Census Bureau, 2010-2014 American Community Survey, 5-Year Estimates.

| Gender | Population |
|--------------|------------------|
| Male | 707,193 |
| Female | 690,676 |
| Total | 1,397,869 |

Source: U.S. Census Bureau, 2010-2014 American Community Survey, 5-Year Estimates.

| Median Household Income by County | Median Household Income |
|-----------------------------------|-------------------------|
| Monterey | \$58,582 |
| San Luis Obispo | \$59,454 |
| Santa Barbara | \$63,409 |
| Santa Cruz | \$66,923 |

Source: U.S. Census Bureau, 2010-2014 American Community Survey, 5-Year Estimates.

| Poverty Status | Population | Percentage |
|--|------------------|---------------|
| Income in the Past 12 Months Below Poverty Level | 216,224 | 16.2% |
| Income in the Past 12 at or Above Poverty Level | 1,119,527 | 83.8% |
| Total | 1,335,751 | 100.0% |

Source: U.S. Census Bureau, 2010-2014 American Community Survey, 5-Year Estimates.

| Race | Population | Percentage |
|--|----------------|---------------|
| Hispanic or Latino | 574,939 | 100.0% |
| White Alone | 400,259 | 69.6% |
| Black or African American Alone | 3,065 | 0.5% |
| American Indian and Alaska Native Alone | 6,996 | 1.2% |
| Asian Alone | 2,636 | 0.5% |
| Native Hawaiian and Other Pacific Islander Alone | 324 | 0.1% |
| Some Other Race Alone | 141,238 | 24.6% |
| Two or More Races | 20,421 | 3.6% |
| Non-Hispanic or Latino | 822,930 | 100.0% |
| White Alone | 686,863 | 83.5% |
| Black or African American Alone | 25,482 | 3.1% |
| American Indian and Alaska Native Alone | 5,192 | 0.6% |
| Asian Alone | 67,490 | 8.2% |
| Native Hawaiian and Other Pacific Islander Alone | 3,160 | 0.4% |
| Some Other Race Alone | 1,735 | 0.2% |
| Two or More Races | 33,008 | 4.0% |

Source: U.S. Census Bureau, 2010-2014 American Community Survey, 5-Year Estimates.

| Native and Foreign Born | Population | Percentage |
|-------------------------|------------------|---------------|
| Native | 1,092,098 | 78.1% |
| Foreign Born | 305,771 | 21.9% |
| Total | 1,397,869 | 100.0% |

Source: U.S. Census Bureau, 2010-2014 American Community Survey, 5-Year Estimates.

| English Learners | Population | Percentage |
|--------------------------------------|------------------|---------------|
| Speaks English Less Than "Very Well" | 237,150 | 18.1% |
| Speaks English "Very Well" | 256,533 | 19.6% |
| Speaks Only English | 814,533 | 62.3% |
| Total | 1,308,216 | 100.0% |

Source: U.S. Census Bureau, 2010-2014 American Community Survey, 5-Year Estimates.

| Veteran Status | Population | Percentage |
|-----------------|---------------|---------------|
| Male Veterans | 73,210 | 93.1% |
| Female Veterans | 5,459 | 6.9% |
| Total | 78,669 | 100.0% |

Source: U.S. Census Bureau, 2010-2014 American Community Survey, 5-Year Estimates.

| Disability Status | Population | Percentage |
|---------------------|------------------|---------------|
| With Any Disability | 130,320 | 9.6% |
| No Disability | 1,233,406 | 90.4% |
| Total | 1,363,726 | 100.0% |

Source: U.S. Census Bureau, 2010-2014 American Community Survey, 5-Year Estimates.

| Labor Force Participation | Population | Percentage |
|-----------------------------|------------------|---------------|
| Employed or in Armed Forces | 634,833 | 56.9% |
| Unemployed | 61,196 | 5.5% |
| Not in labor force | 420,436 | 37.7% |
| Total | 1,116,465 | 100.0% |

Source: U.S. Census Bureau, 2010-2014 American Community Survey, 5-Year Estimates.

| Individuals with Barriers to Employment | Total |
|---|---------|
| Ethnic Minorities | 711,006 |
| Households with Cash Public Assistance or Food Stamps | 35,218 |
| Population 18 and Over with Less Than a 9 th Grade Level Education | 115,373 |
| Single Parent Households | 77,427 |
| Speak English Less Than "Very Well" | 237,150 |
| Youth Ages 10 to 24 | 335,548 |

Source: U.S. Census Bureau, 2010-2014 American Community Survey, 5-Year Estimates.

| Educational Attainment | Male | Percentage | Female | Percentage |
|---|----------------|---------------|----------------|---------------|
| Less than 9th grade | 60,157 | 11.0% | 55,216 | 10.3% |
| 9th to 12th grade, no diploma | 48,731 | 8.9% | 36,170 | 6.7% |
| High school graduate (includes equivalency) | 108,027 | 19.8% | 100,657 | 18.8% |
| Some college, no degree | 153,653 | 28.2% | 153,158 | 28.6% |
| Associate's degree | 36,999 | 6.8% | 46,239 | 8.6% |
| Bachelor's degree | 83,521 | 15.3% | 93,219 | 17.4% |
| Graduate or professional degree | 53,876 | 9.9% | 51,702 | 9.6% |
| Total | 544,964 | 100.0% | 536,361 | 100.0% |

Source: U.S. Census Bureau, 2010-2014 American Community Survey, 5-Year Estimates.

| Educational Attainment, 25 Years and Over | Hispanic or Latino | Percent of Hispanic or Latino, Total | White alone, not Hispanic or Latino | Percent of White alone, not Hispanic or Latino, Total |
|---|--------------------|--------------------------------------|-------------------------------------|---|
| Less than high school diploma | 143,963 | 47.8% | 21,445 | 4.3% |
| High school graduate (includes equivalency) | 64,720 | 21.5% | 86,084 | 17.2% |
| Some college or associate's degree | 66,821 | 22.2% | 180,404 | 36.0% |
| Bachelor's degree or higher | 25,479 | 8.5% | 212,997 | 42.5% |
| Total | 300,983 | 100.0% | 500,930 | 100.0% |

Source: U.S. Census Bureau, 2010-2014 American Community Survey, 5-Year Estimates.

| Educational Attainment by Race, 25 Years and Over | White Alone | Percent of White Alone, Total | Black or African American Alone | Percent of Black or African American Alone, Total | American Indian and Alaska Native Alone | Percent of American Indian and Alaska Native Alone, Total | Asian Alone | Percent of Asian Alone, Total | Native Hawaiian and Other Pacific Islander Alone | Percent of Native Hawaiian and Other Pacific Islander Alone, Total | Some Other Race Alone | Percent of Some Other Race Alone, Total | Two or More Races | Percent of Two or more races, Total |
|--|--------------------|--------------------------------------|--|--|--|--|--------------------|--------------------------------------|---|---|------------------------------|--|--------------------------|--|
| Less than high school diploma | 123,220 | 17.3% | 3,027 | 15.1% | 2,105 | 28.0% | 5,180 | 11.7% | 233 | 9.2% | 36.8% | 38,059 | 3,458 | 15.0% |
| High school graduate (includes equivalency) | 130,753 | 18.4% | 5,470 | 27.3% | 1,849 | 24.6% | 7,188 | 16.2% | 813 | 32.0% | 26.2% | 16,825 | 3,928 | 17.1% |
| Some college or associate's degree | 226,661 | 31.8% | 7,267 | 36.3% | 2,579 | 34.3% | 12,981 | 29.2% | 1,050 | 41.3% | 26.1% | 15,872 | 9,158 | 39.8% |
| Bachelor's degree or higher | 231,469 | 32.5% | 4,244 | 21.2% | 995 | 13.2% | 19,094 | 43.0% | 446 | 17.5% | 10.9% | 4,987 | 6,491 | 28.2% |
| Total | 712,103 | 100.0% | 20,008 | 100.0% | 7,528 | 100.0% | 44,443 | 100.0% | 2,542 | 100.0% | 100.0% | 75,743 | 23,035 | 100.0% |

Source: U.S. Census Bureau, 2010-2014 American Community Survey, 5-Year Estimates.

Gross Domestic Product (GDP) by Metropolitan Statistical Area (MSA)

The Bureau of Economic Analysis (BEA) estimates GDP at the State and MSA level only. Where applicable, the tables below display MSA data as a substitute for county level data.

GDP by Salinas MSA (substitute for Monterey County)

| Major Industry Sector | 2014 Millions of Current Dollars |
|---|---|
| Total All Industries | \$20,897 |
| Agriculture, Forestry, Fishing, and Hunting | \$3,601 |
| Mining | \$140 |
| Utilities | \$302 |
| Construction | \$538 |
| Manufacturing | \$712 |
| Wholesale Trade | \$1,460 |
| Retail Trade | \$1,280 |
| Transportation and Warehousing | \$382 |
| Information | \$366 |
| Finance, Insurance, Real Estate, Rental, and Leasing | \$3,261 |
| Professional and Business Services | \$1,288 |
| Educational Services, Health Care, and Social Assistance | \$1,260 |
| Arts, Entertainment, Recreation, Accommodation, and Food Services | \$1,365 |
| Other Services, Except Government | \$461 |
| Government | \$4,480 |

Source: U.S. Department of Commerce, Bureau of Economic Analysis.

Data Note: Industry detail is based on the 2007 North American Industry Classification System (NAICS). Per capita real GDP statistics for 2001-2014 reflect Census Bureau mid-year population estimates available as of March 2015. Last updated: September 23, 2015.

GDP by San Luis Obispo-Paso Robles-Arroyo Grande MSA (substitute for San Luis Obispo County)

| Major Industry Sector | 2014 Millions of Current Dollars |
|---|---|
| Total All Industries | \$13,121 |
| Agriculture, Forestry, Fishing, and Hunting | \$347 |
| Mining | \$47 |
| Utilities | \$1,142 |
| Construction | \$731 |
| Manufacturing | \$1,052 |
| Wholesale Trade | \$462 |
| Retail Trade | \$1,067 |
| Transportation and Warehousing | \$169 |
| Information | \$312 |
| Finance, Insurance, Real Estate, Rental, and Leasing | \$2,770 |
| Professional and Business Services | \$1,049 |
| Educational Services, Health Care, and Social Assistance | \$970 |
| Arts, Entertainment, Recreation, Accommodation, and Food Services | \$679 |
| Other Services, Except Government | \$361 |
| Government | \$1,962 |

Source: U.S. Department of Commerce, Bureau of Economic Analysis.

Data Note: Industry detail is based on the 2007 North American Industry Classification System (NAICS). Per capita real GDP statistics for 2001-2014 reflect Census Bureau mid-year population estimates available as of March 2015. Last updated: September 23, 2015.

GDP by Santa Maria-Santa Barbara MSA (substitute for Santa Barbara County)

| Major Industry Sector | 2014 Millions of Current Dollars |
|---|--|
| Total All Industries | \$23,930 |
| Agriculture, Forestry, Fishing, and Hunting | \$1,229 |
| Mining | \$654 |
| Utilities | \$102 |
| Construction | \$787 |
| Manufacturing | \$2,064 |
| Wholesale Trade | \$1,013 |
| Retail Trade | \$1,587 |
| Transportation and Warehousing | \$301 |
| Information | \$1,291 |
| Finance, Insurance, Real Estate, Rental, and Leasing | \$4,574 |
| Professional and Business Services | \$2,746 |
| Educational Services, Health Care, and Social Assistance | \$1,908 |
| Arts, Entertainment, Recreation, Accommodation, and Food Services | \$1,205 |
| Other Services, Except Government | \$592 |
| Government | \$3,877 |

Source: U.S. Department of Commerce, Bureau of Economic Analysis.

Data Note: Industry detail is based on the 2007 North American Industry Classification System (NAICS). Per capita real GDP statistics for 2001-2014 reflect Census Bureau mid-year population estimates available as of March 2015. Last updated: September 23, 2015.

GDP by Santa Cruz-Watsonville MSA (substitute for Santa Cruz County)

| Major Industry Sector | 2014 Millions of Current Dollars |
|---|--|
| Total All Industries | \$11,245 |
| Agriculture, Forestry, Fishing, and Hunting | (D) |
| Mining | (D) |
| Utilities | (D) |
| Construction | \$731 |
| Manufacturing | \$1,048 |
| Wholesale Trade | \$754 |
| Retail Trade | \$873 |
| Transportation and Warehousing | (D) |
| Information | \$203 |
| Finance, Insurance, Real Estate, Rental, and Leasing | \$1,737 |
| Professional and Business Services | \$1,317 |
| Educational Services, Health Care, and Social Assistance | \$1,190 |
| Arts, Entertainment, Recreation, Accommodation, and Food Services | \$524 |
| Other Services, Except Government | \$384 |
| Government | \$1,716 |

Source: U.S. Department of Commerce, Bureau of Economic Analysis.

Data Note: Industry detail is based on the 2007 North American Industry Classification System (NAICS). (D) Not shown in order to avoid the disclosure of confidential information; estimates are included in higher level totals. Per capita real GDP statistics for 2001-2014 reflect Census Bureau mid-year population estimates available as of March 2015. Last updated: September 23, 2015.

Skill Requirements for Top 25 Middle-Skill, Middle-Wage or Higher Occupations

| Occupations | Skills | | | | | | | | | | | | | | | | | | | | | | | | |
|---|-----------------|------------------|-------------------------|--------------|-------------------|-----------------------|-------------|------------------------------|---------------------|-----------------------------------|-------------|------------|-----------------------|----------------------|---------------------|-------------|--------------------------|-----------------------|-----------|---------|---------------------|-----------------------|----------|-----------------|-----------------|
| | Active Learning | Active Listening | Complex Problem Solving | Coordination | Critical Thinking | Equipment Maintenance | Instructing | Judgment and Decision Making | Learning Strategies | Management of Personnel Resources | Mathematics | Monitoring | Operation and Control | Operation Monitoring | Operations Analysis | Programming | Quality Control Analysis | Reading Comprehension | Repairing | Science | Service Orientation | Social Perceptiveness | Speaking | Time Management | Troubleshooting |
| Registered Nurses | • | • | | • | • | | • | | | | | • | | | | | • | | | | • | • | • | | |
| Teacher Assistants | | • | | • | • | | • | | • | | | • | | | | | • | | | | • | • | • | | |
| Medical Assistants | • | • | | • | • | | | | | | | • | | | | | • | | | | • | • | • | | • |
| Heavy and Tractor-Trailer Truck Drivers | | • | • | | • | • | | | | | | • | • | • | | | • | | | | | | • | • | |
| Nursing Assistants | • | • | | • | • | | | | | | | • | | | | | • | | | | • | • | • | | • |
| Licensed Practical and Licensed Vocational Nurses | | • | | • | • | | | • | | | | • | | | | | • | | | | • | • | • | • | |
| Computer User Support Specialists | • | • | | • | • | | • | | | | | • | | | | | • | | | | • | | | | • |
| Preschool Teachers, Except Special Education | | • | | • | • | | | | • | | | • | | | | | • | | | | • | • | • | • | |
| Dental Assistants | • | • | | | • | | • | | | | | • | | | | | • | | | | • | • | • | | • |
| Firefighters* | | • | | • | • | | | • | | | | • | | • | | | • | | | | • | • | • | | |
| First-Line Supervisors of Production and Operating Workers | | • | • | • | • | | | | | • | | | | | | | • | | | | | • | • | • | • |
| Medical Records and Health Information Technicians | | • | • | | • | | | • | • | | | • | | | | | • | | | | | | • | • | • |
| Dental Hygienists | • | • | • | • | • | | | | | | | • | | | | | • | | | | • | | • | | • |
| Web Developers | • | • | • | | • | | | • | | | | • | | | • | • | • | | | | | | | | • |
| Massage Therapists | • | • | | | • | | | • | | | | • | | | | | • | | | | • | • | • | | • |
| Library Technicians | • | • | | • | • | | • | | | | | • | | | | | • | | | | • | | • | | • |
| Radiologic Technologists | • | • | | • | • | | | | | | | • | | | | | • | | | | | • | • | • | • |
| Medical and Clinical Laboratory Technicians | • | • | • | • | • | | | | • | | | • | | | | | • | | • | | | | • | | |
| Electrical and Electronics Engineering Technicians* | | • | • | | • | | | | | | • | • | | | | | • | • | | | | | • | • | • |
| Audio and Video Equipment Technicians | • | • | | • | • | | • | | | | | • | | • | | | • | | | | | | • | | • |
| Psychiatric Technicians | • | • | | • | • | | | | • | | | • | | | | | • | | | | • | • | • | | |
| Paralegals and Legal Assistants | • | • | | • | • | | | | | | | • | | | | | • | | | | | • | • | • | • |
| Emergency Medical Technicians and Paramedics | • | • | | • | • | | | • | | | | • | | | | | • | | | | • | • | • | | |
| Telecommunications Equipment Installers and Repairers, Except Line Installers | • | • | • | | • | | | | | | | • | | • | | | • | • | • | | | | | | • |
| Veterinary Technologists and Technicians | • | • | | • | • | | | | • | | | • | | | | | • | | | | • | • | • | | |

Source: U.S. Department of Labor's Occupational Information Network (O*NET) at www.onetonline.org.

* Skills listed for the occupation represent a specialty occupation.

Knowledge Requirements for Top 25 Middle-Skill, Middle-Wage or Higher Occupations

| Occupations | Knowledge | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|-------------------------------|---------|---------------------------|-----------|----------|--------------------------|---------------------------|-------------------------------|--------|--------------------------|------------------------|----------------------------|------------------|-----------|--------------------|-------------|------------|------------------------|-------------------------------|-------------------------|---------|---------------------------|------------|----------------------------|---------------------|----------------------------|--------------------|------------------------|----------------|
| | Administration and Management | Biology | Building and Construction | Chemistry | Clerical | Communications and Media | Computers and Electronics | Customer and Personal Service | Design | Economics and Accounting | Education and Training | Engineering and Technology | English Language | Geography | Law and Government | Mathematics | Mechanical | Medicine and Dentistry | Personnel and Human Resources | Philosophy and Theology | Physics | Production and Processing | Psychology | Public Safety and Security | Sales and Marketing | Sociology and Anthropology | Telecommunications | Therapy and Counseling | Transportation |
| Registered Nurses | | • | | | • | | | • | | | • | | • | | | • | | • | | | | | • | | | • | | • | |
| Teacher Assistants | | | | | • | | • | • | | | • | | • | • | | • | | | | | | | • | | | • | | • | |
| Medical Assistants | • | | | | • | | • | • | | | • | | • | | | | | • | | | | | • | • | | | | • | |
| Heavy and Tractor-Trailer Truck Drivers | • | | | | | | | • | | | • | | • | | • | • | • | | | | | | | • | | | | | • |
| Nursing Assistants | | | | | • | | • | • | | | • | | • | | | | | • | • | | | | • | • | | | | • | |
| Licensed Practical and Licensed Vocational Nurses | | | | • | • | | | • | | | • | | • | | | • | | • | | • | | | • | | | | | • | |
| Computer User Support Specialists | • | | | | • | • | • | • | | | • | • | • | | | • | | | | | | | | | | | • | | |
| Preschool Teachers, Except Special Education | • | | | | | | | • | | | • | | • | • | | | | | | • | | | • | • | | • | | • | |
| Dental Assistants | | | | • | • | | • | • | | | • | | • | | | | | • | | | • | • | • | | • | | | | |
| Firefighters* | • | | • | • | | | | • | | | • | | • | | • | | • | | | | • | | | • | | | | | |
| First-Line Supervisors of Production and Operating Workers | • | | | | • | | • | | • | | • | • | | | | • | • | | • | | | • | | | | | | | |
| Medical Records and Health Information Technicians | • | | | | • | • | • | • | | | • | | • | | • | • | | | | | | | | • | | | | | |
| Dental Hygienists | | • | | • | • | | • | • | | | • | | • | | | | | • | | | | | • | | • | | | | |
| Web Developers | • | | | | • | • | • | • | • | | • | | • | | | • | | | | | | | | | | • | | | |
| Massage Therapists | • | • | | | • | | | • | | | • | | • | | | | | • | | | | | • | | • | | | • | |
| Library Technicians | • | | | | • | • | • | • | | • | • | | • | | • | • | | | | | | | | | | | | | |
| Radiologic Technologists | | • | | | • | | • | • | | | • | | • | | | • | | • | | | • | | • | | | | | | |
| Medical and Clinical Laboratory Technicians | | • | | • | • | | • | • | | | | • | | | | • | | • | | | | • | | • | | | | | |
| Electrical and Electronics Engineering Technicians* | | | | | | | • | • | • | | • | • | • | | | • | • | | | | • | • | | | | | | | |
| Audio and Video Equipment Technicians | | | | | | • | • | • | • | | • | • | • | | | | • | | | | | • | | | | | • | | |
| Psychiatric Technicians | • | | | | • | | • | • | | | • | | • | | • | | | | | | | | • | • | | • | | • | |
| Paralegals and Legal Assistants | • | | | | • | • | • | • | | | • | | • | | • | • | | | | | | | • | | | | | | |
| Emergency Medical Technicians and Paramedics | | | | • | | | | • | | | • | | • | | | • | | • | | | | | • | • | | | | • | • |
| Telecommunications Equipment Installers and Repairers, Except Line Installers | | | | | • | | • | • | | | • | • | • | | | • | • | | | | | | | • | | | • | | |
| Veterinary Technologists and Technicians | • | • | | | • | | • | • | | | • | | • | | | • | | • | | | | | | | • | | | | |

Source: U.S. Department of Labor's Occupational Information Network (O*NET) at www.onetonline.org.

* Knowledge listed for the occupation represent a specialty occupation.