

California Occupational Employment Projections Between 2014 – 2024

Overview

California’s occupational employment is expected to add 2,585,500 jobs over the projection period. The occupational groups with the most growth are food preparation and serving related (347,100), personal care and service (248,500) and office and administrative support (197,400). The occupational groups with the fastest growth rates are computer and mathematical (29.5 percent), construction and extraction (28.3 percent) and personal care and service (25.8 percent).

Total job openings are the sum of job growth and replacement needs. Total job openings do not factor in occupational declines. If an occupation’s forecast employment change is negative, the number of opportunities resulting from growth is zero and replacement needs are the only source of job opportunities. Replacement needs estimate the number of workers needed to replace those who have left the labor force or have changed jobs. Seventy-five percent of occupations will have more job openings due to replacement needs than job growth.

Over the 2014-2024 projection period, California is expected to generate:

- 2,651,100 new jobs from industry growth
- 3,962,200 jobs due to replacement needs
- A combined total of 6,613,300 job openings

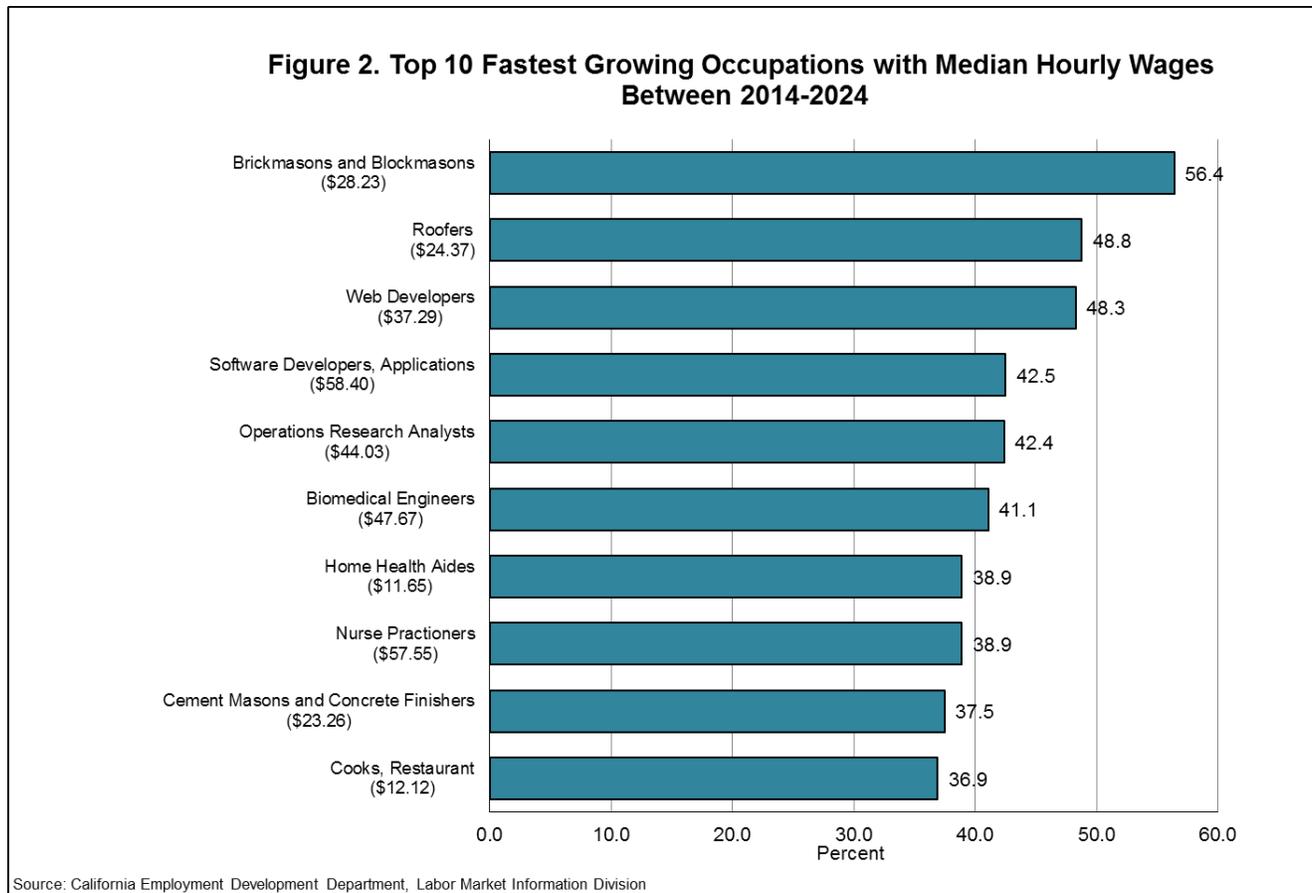
Fastest Growing Occupations

The 50 fastest growing occupations are expected to expand at a rate of 25.5 percent or higher, compared to the expected overall 15.1 percent growth rate for total employment in California. These occupations are forecasted to add 806,000 jobs through the projection period, which accounts for 31.2 percent of all job growth. The industries that are expected to generate the most growth for the top 10 fastest growing occupations are shown in Figure 1.

Figure 1: Industries Where Occupational Growth is Concentrated	
Occupation	Top Industry (Industry Percentage Growth Rate)
Brickmasons and Blockmasons	Foundation, Structure, and Building Exterior Contractors (49.0)
Roofers	Foundation, Structure, and Building Exterior Contractors (49.0)
Web Developers	Computer Systems Design and Related Services (45.8)
Software Developers, Applications	Computer Systems Design and Related Services (45.8)
Operations Research Analysts	Management, Scientific, and Technical Consulting (49.2)
Biomedical Engineers	Medical Equipment and Supplies Manufacturing (10.5)
Home Health Aides	Home Health Care Services (53.8)
Nurse Practitioners	Offices of Physicians (27.9)
Cement Masons and Concrete Finishers	Foundation, Structure, and Building Exterior Contractors (49.0)
Cooks, Restaurant	Restaurants and Other Eating Places (28.3)

Source: California Employment Development Department, Labor Market Information Division

The top 10 fastest growing occupations reflects growth occurring in construction, professional business services, health care and social assistance, manufacturing, and accommodation and food services. The median hourly wages for these occupations range from \$11.65 to \$58.40, as shown below in Figure 2.



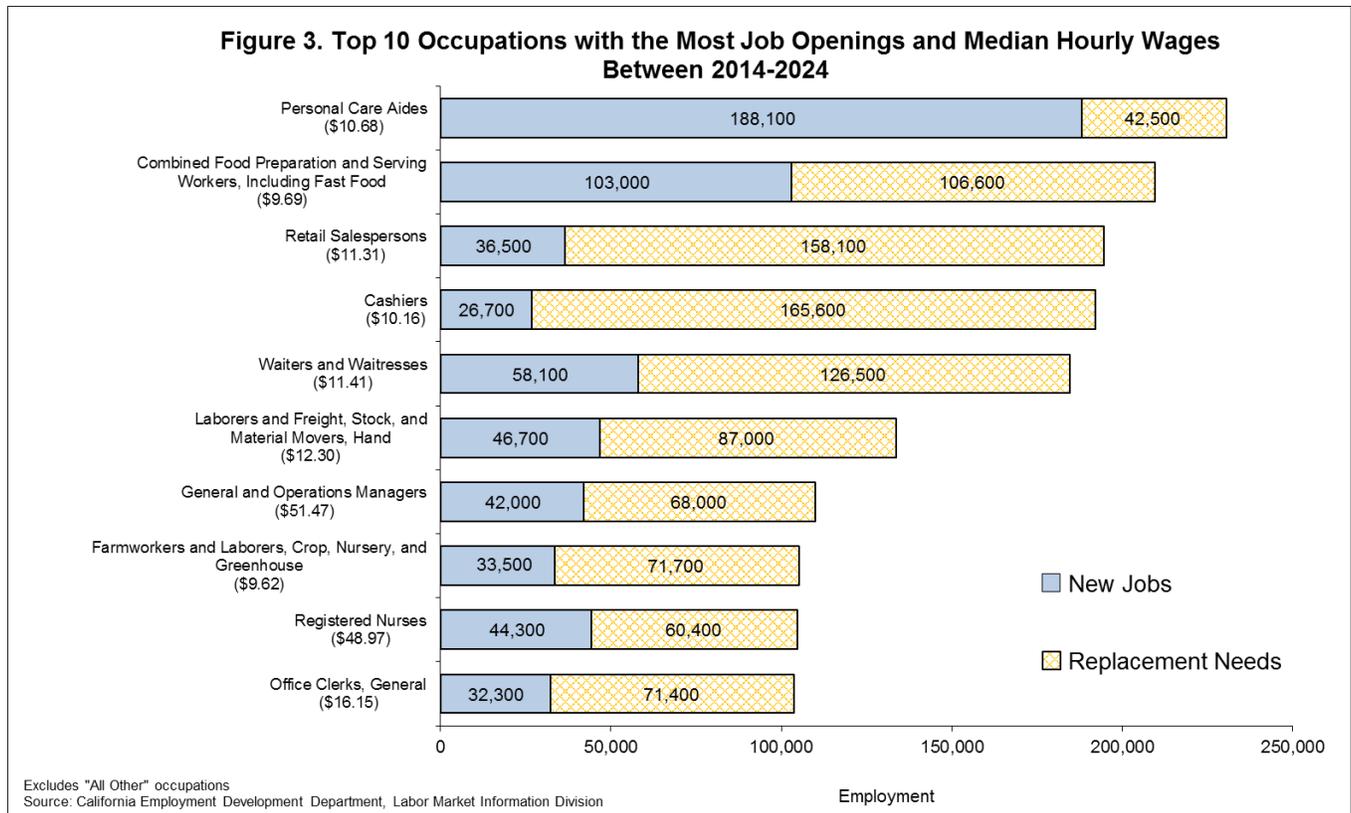
Occupations with the Most Job Openings

The top 50 occupations with the most job openings are expected to generate 3,475,700 total jobs, accounting for 52.6 percent of all openings in California. Of these occupations, 38 have more openings due to replacement needs than job growth.

Of these 50 occupations, 34 require a high school diploma or less and pay median hourly wages ranging from \$9.62 to \$34.75. Nearly six out of 10 occupations on this list also require some form of post-employment on-the-job training. Higher skilled occupations, requiring an associate degree or higher, earn median hourly wages ranging from \$18.44 to \$60.56.

Food preparation and serving related occupations make up 2 of every 10 occupations on this list. Examples of these occupations include combined food preparation and serving workers, including fast food; waiters and waitresses; cooks, restaurant; food preparation workers; and counter attendants, cafeteria, food concession, and coffee shop. Only cooks, restaurant and first-line supervisors of food preparation and serving workers require previous work experience. These occupations require a high school diploma or less, with median hourly wages ranging from \$9.67 to \$15.17, and are concentrated in the accommodation and food services industry.

Office and administrative support occupations make up 12.0 percent of the occupations on the list. These occupations are found across all industries and require a high school diploma or less. Only first-line supervisors of office and administrative support workers require previous work experience. These occupations' median hourly wages range from \$11.77 to \$27.98. The top 10 occupations with the most job openings are shown in Figure 3.



Education and Training Requirements

The United States Department of Labor's Bureau of Labor Statistics uses a classification system to assign education and training levels for each projected occupation. These levels consist of three categories; entry level education, related work experience, and on-the-job training. Entry level education and related work experience are measures of pre-employment qualifications, whereas on-the-job training is offered to a worker, once employed, to attain competency in the skills needed in that occupation.

Detailed education and training data definitions for the categories and assignments are available at www.bls.gov/emp/ep_education_tech.htm. For information on the fastest and largest growing occupations by entry level education, please refer to the **Comparison of Growing Occupations by Entry Level Education in California Between 2014-2024** table.

The complete [2014-2024 California industry and occupational projections](#) are available online.

Produced by: Employment Development Department
 Labor Market Information Division
www.labormarketinfo.edd.ca.gov/LMID/ContactUs.html

Comparison of Growing Occupations by Entry Level Education in California Between 2014-2024

Fastest Growing (New Jobs from Industry Growth)	Entry Level Education	Largest Growing (New Jobs and Replacement Needs)
Health Specialties Teachers, Postsecondary (28.4% or 4,200 jobs) Surgeons (28.1% or 1,600 jobs) Physical Therapists (26.9% or 5,200 jobs) Biochemists and Biophysicists (25.9% or 1,400 jobs) Computer and Information Research Scientists (24.1% or 1,300 jobs)	Doctoral or Professional Degree	Lawyers (24,200 jobs) Medical Scientists, Except Epidemiologists (11,900 jobs) Clinical, Counseling, and School Psychologists (11,600 jobs) Physical Therapists (10,400 jobs) Pharmacists (9,000 jobs)
Nurse Practitioners (38.9% or 4,200 jobs) Physician Assistants (34.3% or 3,400 jobs) Healthcare Social Workers (23.1% or 3,300 jobs) Occupational Therapists (22.3% or 2,300 jobs) Marriage and Family Therapists (22.0% or 2,000 jobs)	Master's Degree	Educational, Guidance, School, and Vocational Counselors (11,200 jobs) Education Administrators, Postsecondary (8,100 jobs) Education Administrators, Elementary and Secondary School (7,600 jobs) Healthcare Social Workers (6,700 jobs) Nurse Practitioners (6,700 jobs)
Software Developers, Applications (42.5% or 51,500 jobs) Operations Research Analysts (42.4% or 5,300 jobs) Biomedical Engineers (41.1% or 2,300 jobs) Interpreters and Translators (36.6% or 3,400 jobs) Computer Systems Analysts (35.4% or 26,700 jobs)	Bachelor's Degree	General and Operations Managers (110,000 jobs) Registered Nurses (104,700 jobs) Accountants and Auditors (69,700 jobs) Software Developers, Applications (68,800 jobs) Management Analysts (44,400 jobs)
Web Developers (48.3% or 11,700 jobs) Veterinary Technologists and Technicians (29.8% or 2,800 jobs) Diagnostic Medical Sonographers (29.4% or 1,500 jobs) Medical and Clinical Laboratory Technicians (23.3% or 4,100 jobs) Computer Network Support Specialists (19.8% or 3,900 jobs)	Associate's Degree	Preschool Teachers, Except Special Education (20,000 jobs) Web Developers (14,800 jobs) Paralegals and Legal Assistants (10,400 jobs) Medical and Clinical Laboratory Technicians (8,300 jobs) Electrical and Electronics Engineering Technicians (7,100 jobs)
Heating, Air Conditioning, and Refrigeration Mechanics and Installers (31.8% or 7,100 jobs) Medical Assistants (27.7% or 22,400 jobs) Phlebotomists (24.4% or 3,100 jobs) Emergency Medical Technicians and Paramedics (24.1% or 4,000 jobs) Massage Therapists (24.1% or 6,400 jobs)	Postsecondary Non-degree Award	Heavy and Tractor-Trailer Truck Drivers (45,800 jobs) Nursing Assistants (41,700 jobs) Medical Assistants (39,200 jobs) Licensed Practical and Licensed Vocational Nurses (32,400 jobs) Automotive Service Technicians and Mechanics (24,400 jobs)
Computer User Support Specialists (24.6% or 15,300 jobs) Teacher Assistants (10.5% or 15,100 jobs) Computer, Automated Teller, and Office Machine Repairers (3.9% or 500 jobs)	Some College, No Degree	Teacher Assistants (49,500 jobs) Computer User Support Specialists (23,300 jobs) Bookkeeping, Accounting, and Auditing Clerks (18,800 jobs) Computer, Automated Teller, and Office Machine Repairers (3,000 jobs)
Brickmasons and Blockmasons (56.4% or 3,100 jobs) Glaziers (32.8% or 1,900 jobs) Electricians (32.5% or 19,000 jobs) Physical Therapist Aides (32.3% or 2,000 jobs) Security and Fire Alarm Systems Installers (29.7% or 2,200 jobs)	High School Diploma or Equivalent	Office Clerks, General (103,700 jobs) Customer Service Representatives (79,700 jobs) First-Line Supervisors of Food Preparation and Serving Workers (53,800 jobs) First-Line Supervisors of Office and Administrative Support Workers (50,300 jobs) Carpenters (47,000 jobs)
Roofers (48.8% or 8,000 jobs) Home Health Aides (38.9% or 12,800 jobs) Cement Masons and Concrete Finishers (37.5% or 7,200 jobs) Cooks, Restaurant (36.9% or 45,000 jobs) Personal Care Aides (35.8% or 188,100 jobs)	No Formal Educational Credential	Personal Care Aides (230,500 jobs) Combined Food Preparation and Serving Workers, Including Fast Food (209,600 jobs) Retail Salespersons (194,700 jobs) Cashiers (192,300 jobs) Waiters and Waitresses (184,600 jobs)

Excludes "All Other" occupations and those with employment less than 5,000 in 2014.
 Source: California Employment Development Department, Labor Market Information Division

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