

EXECUTIVE SUMMARY

The Employment Development Department's Labor Market Information Division (EDD-LMID) prepared this document on January 25, 2018 for the California Workforce Development Board (CWDB) and Assembly Education Committee.

This document provides the Top In Demand Middle-Skill, Middle-Wage or Higher Occupations for California and the CWDB's 14 Regional Planning Units (RPU). The tables in this document are based on the most recent EDD-LMID data available (e.g. 2014-2024 occupational employment projections and 1st Quarter 2017 wages) and represent occupations with both of the following qualities:

- **Middle-Skill** as defined by occupations that require either some college, a postsecondary non-degree award, or an associate's degree. These do not include occupations that require only a high school diploma or less (i.e. entry-level occupations) or occupations that require a bachelor's degree or higher (i.e. high-skill occupations).
- **Middle Wage or Higher** as defined by occupations with a median annual wage of at least 80 percent of an area's median annual wage for all occupations. See the notes section below each table for additional details.

The occupations are ranked by total projected job openings which represent the sum of new and replacement job openings (e.g. openings created when a worker leaves an occupation). Based on the most recent EDD-LMID occupational employment projections, these occupations represent the Top In Demand Middle-Skill, Middle-Wage or Higher Occupations for California and the CWDB's 14 RPUs.

For additional questions or comments, please contact:

Justin Wehner

Research Program Specialist II

Employment Development Department, Labor Market Information Division

Phone: (916) 651-5744

Email: justin.wehner@edd.ca.gov

Top 10 In Demand Middle-Skill, Middle-Wage or Higher Occupations in California

Occupational Title	Total Projected Job Openings 2014-2024	Median Annual Wage	Entry Level Education
Heavy and Tractor-Trailer Truck Drivers	45,800	\$42,797	Postsecondary non-degree award
Medical Assistants	39,200	\$34,518	Postsecondary non-degree award
Licensed Practical and Licensed Vocational Nurses	32,400	\$52,743	Postsecondary non-degree award
Automotive Service Technicians and Mechanics	24,400	\$41,131	Postsecondary non-degree award
Computer User Support Specialists	23,300	\$58,557	Some college, no degree
Dental Assistants	19,700	\$37,822	Postsecondary non-degree award
Bookkeeping, Accounting, and Auditing Clerks	18,800	\$43,615	Some college, no degree
Web Developers	14,800	\$77,568	Associate's degree
Firefighters	12,100	\$67,568	Postsecondary non-degree award
Heating, Air Conditioning, and Refrigeration Mechanics and Installers	10,500	\$51,700	Postsecondary non-degree award

Source: California Employment Development Department, *Projections of Employment 2014-2024*. Total projected job openings are the sum of new and replacement job openings. Occupational Employment Statistics Wage Survey, updated to 1st Q, 2017.

Notes: The occupations for California are across all industries. A middle-skill occupation requires either some college, postsecondary non-degree award, associate's degree or on-the job-training. A middle-wage occupation makes at least 80 percent of California's median annual wage (\$41,634).

Top 10 In Demand Middle-Skill, Middle-Wage or Higher Occupations in the Bay-Peninsula Regional Planning Unit

Occupational Title	Total Projected Job Openings 2014-2024	Median Annual Wage	Entry Level Education
Computer User Support Specialists	4,940	\$69,521	Some college, no degree
Web Developers	3,200	\$103,912	Associate's degree
Electrical and Electronics Engineering Technicians	2,210	\$64,418	Associate's degree
Bookkeeping, Accounting, and Auditing Clerks	2,070	\$52,090	Some college, no degree
Automotive Service Technicians and Mechanics	1,860	\$52,211	Postsecondary non-degree award
Licensed Practical and Licensed Vocational Nurses	1,700	\$61,310	Postsecondary non-degree award
Computer Network Support Specialists	1,490	\$84,341	Associate's degree
Paralegals and Legal Assistants	1,190	\$74,912	Associate's degree
Firefighters	1,040	\$90,308	Postsecondary non-degree award
Aircraft Mechanics and Service Technicians	880	\$69,490	Postsecondary non-degree award

Source: California Employment Development Department, *Projections of Employment 2014-2024*. Total projected job openings are the sum of new and replacement job openings. Occupational Employment Statistics Wage Survey, updated to 1st Q, 2017.

Notes: The occupations are across all industries. A middle-skill occupation requires either some college, postsecondary non-degree award, associate's degree or on-the-job-training. A middle-wage occupation makes at least 80 percent of the Bay-Peninsula RPU's median annual wage (\$59,412).

Top 10 In Demand Middle-Skill, Middle-Wage or Higher Occupations in the Capital Regional Planning Unit

Occupational Title	Total Projected Job Openings 2014-2024	Median Annual Wage	Entry Level Education
Heavy and Tractor-Trailer Truck Drivers	3,030	\$42,964	Postsecondary non-degree award
Medical Assistants	2,780	\$36,563	Postsecondary non-degree award
Nursing Assistants	2,090	\$36,958	Postsecondary non-degree award
Automotive Service Technicians and Mechanics	1,830	\$43,919	Postsecondary non-degree award
Bookkeeping, Accounting, and Auditing Clerks	1,290	\$42,533	Some college, no degree
Dental Assistants	1,260	\$39,760	Postsecondary non-degree award
Heating, Air Conditioning, and Refrigeration Mechanics and Installers	1,170	\$42,757	Postsecondary non-degree award
Licensed Practical and Licensed Vocational Nurses	1,160	\$57,203	Postsecondary non-degree award
Computer User Support Specialists	1,150	\$56,013	Some college, no degree
Firefighters	960	\$61,779	Postsecondary non-degree award

Source: California Employment Development Department, *Projections of Employment 2014-2024*. Total projected job openings are the sum of new and replacement job openings. Occupational Employment Statistics Wage Survey, updated to 1st Q, 2017.

Notes: The occupations are across all industries. A middle-skill occupation requires either some college, postsecondary non-degree award, associate's degree or on-the-job-training. A middle-wage occupation makes at least 80 percent of the Capital RPU's median annual wage (\$42,420).

Top 10 In Demand Middle-Skill, Middle-Wage or Higher Occupations in the Coastal Regional Planning Unit

Occupational Title	Total Projected Job Openings 2014-2024	Median Annual Wage	Entry Level Education
Heavy and Tractor-Trailer Truck Drivers	1,610	\$44,107	Postsecondary non-degree award
Medical Assistants	1,490	\$36,778	Postsecondary non-degree award
Nursing Assistants	1,390	\$30,887	Postsecondary non-degree award
Teacher Assistants	1,290	\$31,573	Some college, no degree
Licensed Practical and Licensed Vocational Nurses	1,060	\$54,758	Postsecondary non-degree award
Bookkeeping, Accounting, and Auditing Clerks	1,000	\$44,967	Some college, no degree
Automotive Service Technicians and Mechanics	960	\$42,688	Postsecondary non-degree award
Firefighters	770	\$58,630	Postsecondary non-degree award
Dental Assistants	740	\$40,971	Postsecondary non-degree award
Preschool Teachers, Except Special Education	590	\$31,054	Associate's degree

Source: California Employment Development Department, *Projections of Employment 2014-2024*. Total projected job openings are the sum of new and replacement job openings. Occupational Employment Statistics Wage Survey, updated to 1st Q, 2017.

Notes: The occupations are across all industries. A middle-skill occupation requires either some college, postsecondary non-degree award, associate's degree or on-the-job-training. A middle-wage occupation makes at least 80 percent of the Coastal RPU's median annual wage (\$37,172).

Top 10 In Demand Middle-Skill, Middle-Wage or Higher Occupations in the East Bay Regional Planning Unit

Occupational Title	Total Projected Job Openings 2014-2024	Median Annual Wage	Entry Level Education
Medical Assistants	2,940	\$43,466	Postsecondary non-degree award
Licensed Practical and Licensed Vocational Nurses	2,120	\$57,286	Postsecondary non-degree award
Heavy and Tractor-Trailer Truck Drivers	1,950	\$47,377	Postsecondary non-degree award
Automotive Service Technicians and Mechanics	1,520	\$53,917	Postsecondary non-degree award
Dental Assistants	1,480	\$40,288	Postsecondary non-degree award
Computer User Support Specialists	1,240	\$60,475	Some college, no degree
Bookkeeping, Accounting, and Auditing Clerks	1,220	\$49,495	Some college, no degree
Web Developers	910	\$76,389	Associate's degree
Electrical and Electronics Engineering Technicians	760	\$71,765	Associate's degree
Radiologic Technologists	690	\$89,917	Associate's degree

Source: California Employment Development Department, *Projections of Employment 2014-2024*. Total projected job openings are the sum of new and replacement job openings. Occupational Employment Statistics Wage Survey, updated to 1st Q, 2017.

Notes: The occupations are across all industries. A middle-skill occupation requires either some college, postsecondary non-degree award, associate's degree or on-the-job-training. A middle-wage occupation makes at least 80 percent of the East Bay RPU's median annual wage (\$48,368).

Top 10 In Demand Middle-Skill, Middle-Wage or Higher Occupations in the Humboldt Regional Planning Unit

Occupational Title	Total Projected Job Openings 2014-2024	Median Annual Wage	Entry Level Education
Firefighters	180	\$46,366*	Postsecondary non-degree award
Heavy and Tractor-Trailer Truck Drivers	180	\$38,849	Postsecondary non-degree award
Medical Assistants	130	\$35,407	Postsecondary non-degree award
Automotive Service Technicians and Mechanics	120	\$46,365	Postsecondary non-degree award
Forest and Conservation Technicians	110	\$29,252	Associate's degree
Bookkeeping, Accounting, and Auditing Clerks	80	\$39,070	Some college, no degree
Dental Assistants	70	\$45,208	Postsecondary non-degree award
Heating, Air Conditioning, and Refrigeration Mechanics and Installers	60	\$50,111	Postsecondary non-degree award
Emergency Medical Technicians and Paramedics	40	\$38,651	Postsecondary non-degree award
Licensed Practical and Licensed Vocational Nurses	30	\$43,560	Postsecondary non-degree award

Source: California Employment Development Department, *Projections of Employment 2014-2024*. Total projected job openings are the sum of new and replacement job openings. Occupational Employment Statistics Wage Survey, updated to 1st Q, 2017.

Notes: The occupations are across all industries. A middle-skill occupation requires either some college, postsecondary non-degree award, associate's degree or on-the-job-training. A middle-wage occupation makes at least 80 percent of the Humboldt RPU's median annual wage (\$35,971).

*Median annual wage represents the entire North Coast Region, including Del Norte, Humboldt, Lake, and Mendocino Counties.

Top 10 In Demand Middle-Skill, Middle-Wage or Higher Occupations in the Inland Empire Regional Planning Unit

Occupational Title	Total Projected Job Openings 2014-2024	Median Annual Wage	Entry Level Education
Heavy and Tractor-Trailer Truck Drivers	10,600	\$48,086	Postsecondary non-degree award
Teacher Assistants	5,000	\$33,436	Some college, no degree
Medical Assistants	4,260	\$29,963	Postsecondary non-degree award
Nursing Assistants	3,680	\$29,653	Postsecondary non-degree award
Licensed Practical and Licensed Vocational Nurses	3,550	\$49,746	Postsecondary non-degree award
Automotive Service Technicians and Mechanics	3,410	\$45,836	Postsecondary non-degree award
Dental Assistants	2,150	\$32,551	Postsecondary non-degree award
Heating, Air Conditioning, and Refrigeration Mechanics and Installers	1,500	\$46,329	Postsecondary non-degree award
Bookkeeping, Accounting, and Auditing Clerks	1,490	\$40,536	Some college, no degree
Preschool Teachers, Except Special Education	1,440	\$29,419	Associate's degree

Source: California Employment Development Department, *Projections of Employment 2014-2024*. Total projected job openings are the sum of new and replacement job openings. Occupational Employment Statistics Wage Survey, updated to 1st Q, 2017.

Notes: The occupations are across all industries. A middle-skill occupation requires either some college, postsecondary non-degree award, associate's degree or on-the-job-training. A middle-wage occupation makes at least 80 percent of the Inland Empire RPU's median annual wage (\$36,086).

Top 10 In Demand Middle-Skill, Middle-Wage or Higher Occupations in the Los Angeles Basin Regional Planning Unit

Occupational Title	Total Projected Job Openings 2014-2024	Median Annual Wage	Entry Level Education
Licensed Practical and Licensed Vocational Nurses	10,350	\$50,730	Postsecondary non-degree award
Medical Assistants	10,110	\$34,998	Postsecondary non-degree award
Heavy and Tractor-Trailer Truck Drivers	8,060	\$45,012	Postsecondary non-degree award
Automotive Service Technicians and Mechanics	5,810	\$40,032	Postsecondary non-degree award
Bookkeeping, Accounting, and Auditing Clerks	5,390	\$44,288	Some college, no degree
Computer User Support Specialists	4,550	\$55,918	Some college, no degree
Dental Assistants	4,360	\$35,694	Postsecondary non-degree award
Web Developers	2,950	\$68,270	Associate's degree
Massage Therapists	2,930	\$44,205	Postsecondary non-degree award
Audio and Video Equipment Technicians	2,790	\$50,947	Postsecondary non-degree award

Source: California Employment Development Department, *Projections of Employment 2014-2024*. Total projected job openings are the sum of new and replacement job openings. Occupational Employment Statistics Wage Survey, updated to 1st Q, 2017.

Notes: The occupations are across all industries. A middle-skill occupation requires either some college, postsecondary non-degree award, associate's degree or on-the-job-training. A middle-wage occupation makes at least 80 percent of the Los Angeles Basin RPU's median annual wage (\$40,280).

Top 10 In Demand Middle-Skill, Middle-Wage or Higher Occupations in the Middle Sierra Regional Planning Unit

Occupational Title	Total Projected Job Openings 2014-2024	Median Annual Wage	Entry Level Education
Firefighters	230	\$47,900	Postsecondary non-degree award
Nursing Assistants	200	\$35,359	Postsecondary non-degree award
Medical Assistants	130	\$35,085	Postsecondary non-degree award
Teacher Assistants	120	\$30,451	Some college, no degree
Forest and Conservation Technicians	120	\$33,812	Associate's degree
Heavy and Tractor-Trailer Truck Drivers	100	\$40,457	Postsecondary non-degree award
Licensed Practical and Licensed Vocational Nurses	90	\$56,307	Postsecondary non-degree award
Dental Assistants	80	\$38,332	Postsecondary non-degree award
Automotive Service Technicians and Mechanics	80	\$39,123	Postsecondary non-degree award
Bookkeeping, Accounting, and Auditing Clerks	80	\$38,167	Some college, no degree

Source: California Employment Development Department, *Projections of Employment 2014-2024*. Total projected job openings are the sum of new and replacement job openings. Occupational Employment Statistics Wage Survey, updated to 1st Q, 2017.

Notes: The occupations are across all industries. A middle-skill occupation requires either some college, postsecondary non-degree award, associate's degree or on-the-job-training. A middle-wage occupation makes at least 80 percent of the Middle Sierra RPU's median annual wage (\$37,999).

Top 10 In Demand Middle-Skill, Middle-Wage or Higher Occupations in the North Bay Regional Planning Unit

Occupational Title	Total Projected Job Openings 2014-2024	Median Annual Wage	Entry Level Education
Heavy and Tractor-Trailer Truck Drivers	1,380	\$47,726	Postsecondary non-degree award
Medical Assistants	1,370	\$41,506	Postsecondary non-degree award
Licensed Practical and Licensed Vocational Nurses	1,270	\$56,322	Postsecondary non-degree award
Automotive Service Technicians and Mechanics	1,170	\$46,169	Postsecondary non-degree award
Dental Assistants	780	\$45,761	Postsecondary non-degree award
Bookkeeping, Accounting, and Auditing Clerks	750	\$48,138	Some college, no degree
Firefighters	540	\$63,664	Postsecondary non-degree award
Emergency Medical Technicians and Paramedics	530	\$35,077	Postsecondary non-degree award
Web Developers	500	\$65,210	Associate's degree
Computer User Support Specialists	450	\$61,950	Some college, no degree

Source: California Employment Development Department, *Projections of Employment 2014-2024*. Total projected job openings are the sum of new and replacement job openings. Occupational Employment Statistics Wage Survey, updated to 1st Q, 2017.

Notes: The occupations are across all industries. A middle-skill occupation requires either some college, postsecondary non-degree award, associate's degree or on-the-job-training. A middle-wage occupation makes at least 80 percent of the North Bay RPU's median annual wage (\$41,677).

Top 10 In Demand Middle-Skill, Middle-Wage or Higher Occupations in the North State Regional Planning Unit

Occupational Title	Total Projected Job Openings 2014-2024	Median Annual Wage	Entry Level Education
Nursing Assistants	1,120	\$29,966	Postsecondary non-degree award
Medical Assistants	880	\$32,559	Postsecondary non-degree award
Forest and Conservation Technicians	850	\$33,823	Associate's degree
Firefighters	730	\$47,919	Postsecondary non-degree award
Heavy and Tractor-Trailer Truck Drivers	690	\$42,412	Postsecondary non-degree award
Licensed Practical and Licensed Vocational Nurses	680	\$50,930	Postsecondary non-degree award
Automotive Service Technicians and Mechanics	580	\$45,178	Postsecondary non-degree award
Dental Assistants	410	\$38,758	Postsecondary non-degree award
Bookkeeping, Accounting, and Auditing Clerks	390	\$37,486	Some college, no degree
Medical Records and Health Information Technicians	230	\$46,700	Postsecondary non-degree award

Source: California Employment Development Department, Projections of Employment 2014-2024. Total projected job openings are the sum of new and replacement job openings. Occupational Employment Statistics Wage Survey, updated to 1st Q, 2017.

Notes: *The occupations are across all industries. A middle-skill occupation requires either some college, postsecondary non-degree award, associate's degree or on-the-job-training. A middle-wage occupation makes at least 80 percent of the North State RPU's median annual wage (\$36,556).*

Top 10 In Demand Middle-Skill, Middle-Wage or Higher Occupations in the Orange Regional Planning Unit

Occupational Title	Total Projected Job Openings 2014-2024	Median Annual Wage	Entry Level Education
Teacher Assistants	4,490	\$36,816	Some college, no degree
Licensed Practical and Licensed Vocational Nurses	3,440	\$51,818	Postsecondary non-degree award
Medical Assistants	2,490	\$32,859	Postsecondary non-degree award
Heavy and Tractor-Trailer Truck Drivers	2,230	\$42,069	Postsecondary non-degree award
Dental Assistants	2,130	\$35,993	Postsecondary non-degree award
Computer User Support Specialists	2,110	\$55,831	Some college, no degree
Automotive Service Technicians and Mechanics	1,980	\$53,557	Postsecondary non-degree award
Bookkeeping, Accounting, and Auditing Clerks	1,810	\$46,620	Some college, no degree
Web Developers	1,660	\$68,244	Associate's degree
Paralegals and Legal Assistants	1,210	\$47,224	Associate's degree

Source: California Employment Development Department, *Projections of Employment 2014-2024*. Total projected job openings are the sum of new and replacement job openings. Occupational Employment Statistics Wage Survey, updated to 1st Q, 2017.

Notes: The occupations are across all industries. A middle-skill occupation requires either some college, postsecondary non-degree award, associate's degree or on-the-job-training. A middle-wage occupation makes at least 80 percent of the Orange RPU's median annual wage (\$40,709).

Top 10 In Demand Middle-Skill, Middle-Wage or Higher Occupations in the San Joaquin Valley Regional Planning Unit

Occupational Title	Total Projected Job Openings 2014-2024	Median Annual Wage	Entry Level Education
Heavy and Tractor-Trailer Truck Drivers	8,280	\$40,788	Postsecondary non-degree award
Teacher Assistants	6,130	\$29,337	Some college, no degree
Nursing Assistants	5,250	\$28,795	Postsecondary non-degree award
Medical Assistants	4,100	\$31,287	Postsecondary non-degree award
Licensed Practical and Licensed Vocational Nurses	2,700	\$51,604	Postsecondary non-degree award
Automotive Service Technicians and Mechanics	2,310	\$40,120	Postsecondary non-degree award
Preschool Teachers, Except Special Education	1,880	\$30,078	Associate's degree
Dental Assistants	1,840	\$33,959	Postsecondary non-degree award
Bookkeeping, Accounting, and Auditing Clerks	1,700	\$39,696	Some college, no degree
Firefighters	1,180	\$61,168	Postsecondary non-degree award

Source: California Employment Development Department, *Projections of Employment 2014-2024*. Total projected job openings are the sum of new and replacement job openings. Occupational Employment Statistics Wage Survey, updated to 1st Q, 2017.

Notes: The occupations are across all industries. A middle-skill occupation requires either some college, postsecondary non-degree award, associate's degree or on-the-job-training. A middle-wage occupation makes at least 80 percent of the San Joaquin Valley RPU's median annual wage (\$34,314).

Top 10 In Demand Middle-Skill, Middle-Wage or Higher Occupations in the Southern Border Regional Planning Unit

Occupational Title	Total Projected Job Openings 2014-2024	Median Annual Wage	Entry Level Education
Heavy and Tractor-Trailer Truck Drivers	2,850	\$40,877	Postsecondary non-degree award
Medical Assistants	2,840	\$36,471	Postsecondary non-degree award
Automotive Service Technicians and Mechanics	2,450	\$41,218	Postsecondary non-degree award
Licensed Practical and Licensed Vocational Nurses	2,280	\$55,137	Postsecondary non-degree award
Computer User Support Specialists	2,040	\$57,241	Some college, no degree
Bookkeeping, Accounting, and Auditing Clerks	1,770	\$44,303	Some college, no degree
Dental Assistants	1,700	\$41,272	Postsecondary non-degree award
Firefighters	1,570	\$61,289	Postsecondary non-degree award
Electrical and Electronics Engineering Technicians	1,260	\$64,725	Associate's degree
Paralegals and Legal Assistants	1,120	\$64,668	Associate's degree

Source: California Employment Development Department, *Projections of Employment 2014-2024*. Total projected job openings are the sum of new and replacement job openings. Occupational Employment Statistics Wage Survey, updated to 1st Q, 2017.

Notes: The occupations are across all industries. A middle-skill occupation requires either some college, postsecondary non-degree award, associate's degree or on-the-job-training. A middle-wage occupation makes at least 80 percent of the Southern Border RPU's median annual wage (\$41,524).

Top 10 In Demand Middle-Skill, Middle-Wage or Higher Occupations in the Ventura Regional Planning Unit

Occupational Title	Total Projected Job Openings 2014-2024	Median Annual Wage	Entry Level Education
Teacher Assistants	1,390	\$34,054	Some college, no degree
Medical Assistants	1,240	\$36,647	Postsecondary non-degree award
Licensed Practical and Licensed Vocational Nurses	630	\$55,690	Postsecondary non-degree award
Automotive Service Technicians and Mechanics	630	\$38,572	Postsecondary non-degree award
Heavy and Tractor-Trailer Truck Drivers	570	\$43,940	Postsecondary non-degree award
Dental Assistants	520	\$39,389	Postsecondary non-degree award
Preschool Teachers, Except Special Education	480	\$32,247	Associate's degree
Bookkeeping, Accounting, and Auditing Clerks	420	\$49,831	Some college, no degree
Computer User Support Specialists	390	\$49,883	Some college, no degree
Telecommunications Equipment Installers and Repairers, Except Line Installers	240	\$61,869	Postsecondary non-degree award

Source: California Employment Development Department, *Projections of Employment 2014-2024*. Total projected job openings are the sum of new and replacement job openings. Occupational Employment Statistics Wage Survey, updated to 1st Q, 2017.

Notes: The occupations are across all industries. A middle-skill occupation requires either some college, postsecondary non-degree award, associate's degree or on-the-job-training. A middle-wage occupation makes at least 80 percent of the Ventura RPU's median annual wage (\$39,110).