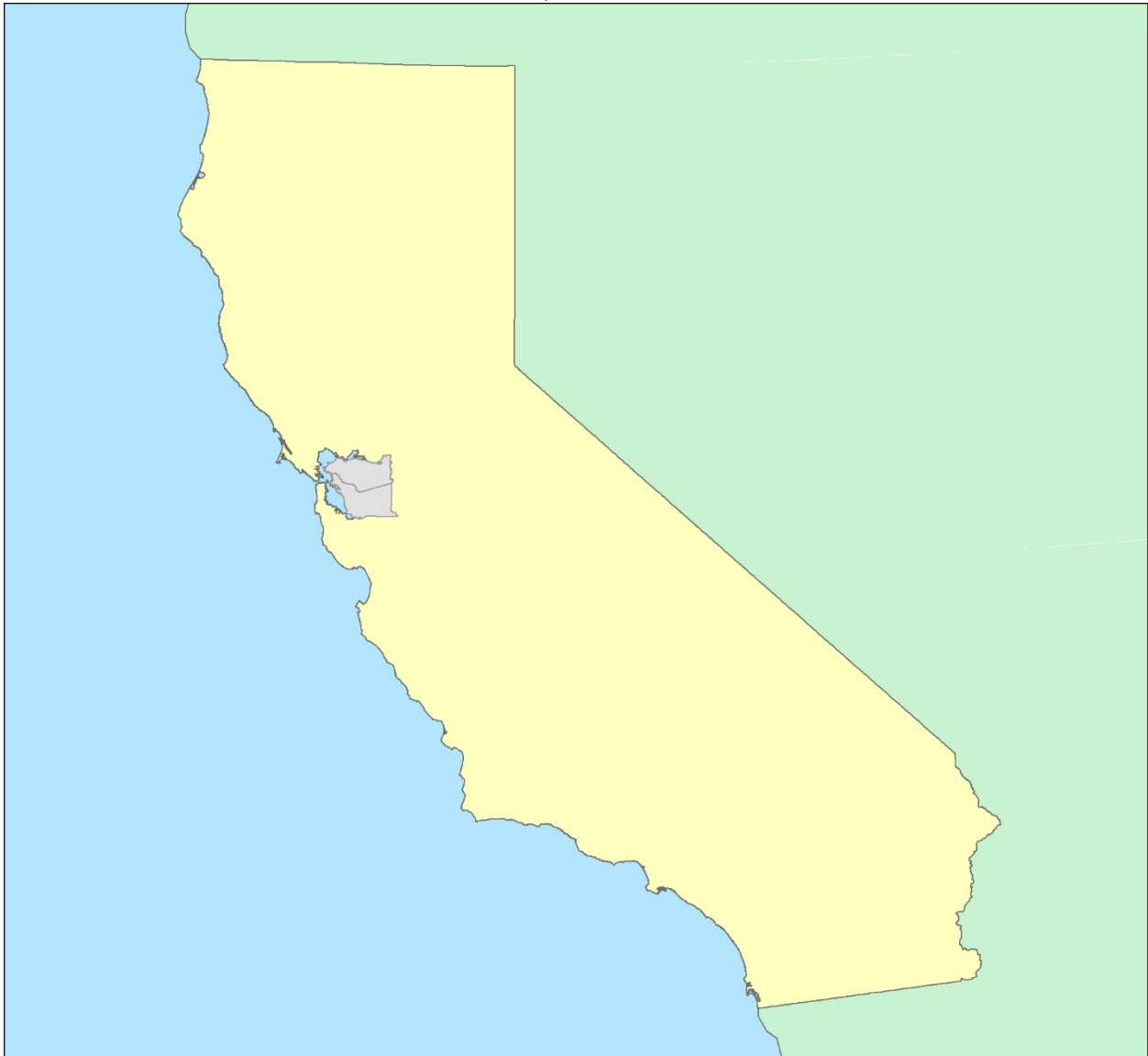


# Regional Planning Unit Summary: East Bay

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Employment Development Department, Labor Market Information Division

Revised September 1, 2016



Alameda and Contra Costa Counties

**Regional Planning Unit: East Bay**

Local Workforce Development Areas: Alameda County, Contra Costa County, Oakland City, and Richmond City

Counties: Alameda and Contra Costa

**Labor Market Profile**

	May 2016	May 2015	Change	Percent
Labor Market	1,372,800	1,376,300	-3,500	-0.3%
Employed	1,319,600	1,311,300	8,300	0.6%
Unemployed	53,200	65,100	-11,900	-18.3%
Unemployment Rate	3.9%	4.7%	-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
606,447	370,507	487,299

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	1,121,900	1,008,500	113,400	11.2%	-
Total Farm	1,300	1,600	-300	-18.8%	0.0
Total Nonfarm	1,120,600	1,006,900	113,700	11.3%	1.0
Mining and Logging	800	900	-100	-11.1%	0.5
Construction	66,700	50,900	15,800	31.0%	1.3
Manufacturing	87,000	80,000	7,000	8.8%	1.0
Trade, Transportation and Utilities	201,700	178,700	23,000	12.9%	1.0
Information	22,900	22,200	700	3.2%	0.7
Financial Activities	49,900	48,800	1,100	2.3%	0.9
Professional and Business Services	183,300	165,000	18,300	11.1%	1.1
Educational and Health Services	185,600	164,800	20,800	12.6%	1.1
Leisure and Hospitality	111,300	92,900	18,400	19.8%	0.9
Other Services	38,800	36,700	2,100	5.7%	1.1
Government	172,600	166,000	6,600	4.0%	1.0

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

<b>Top Demand Industry Sub Sector</b>	<b>Total Projected Job Openings 2012-2022</b>	<b>Location Quotient</b>
Restaurants and Other Eating Places	36,028	0.9
Elementary and Secondary Schools	19,045	1.0
General Medical and Surgical Hospitals	15,458	1.0
Individual and Family Services	14,446	1.0
Management, Scientific, and Technical Consulting Services	12,008	1.1
Computer Systems Design and Related Services	11,991	1.5
Grocery Stores	9,194	1.1
Management of Companies and Enterprises	9,099	1.9
Outpatient Care Centers	9,000	2.2
Colleges, Universities, and Professional Schools	8,606	1.1

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

<b>Top Emergent Industry Sub Sector</b>	<b>Numeric Change 2012-2022</b>	<b>Percent Change</b>	<b>Location Quotient</b>
Utility System Construction	1,860	80.9%	0.8
Other Financial Investment Activities	1,310	67.5%	0.7
Other Information Services	840	66.7%	0.4
Beer, Wine, and Distilled Alcoholic Beverage Merchant Wholesalers	1,600	65.3%	1.8
Management, Scientific, and Technical Consulting Services	8,980	62.8%	1.1
Other General Merchandise Stores	4,600	62.7%	0.9
Wired Telecommunications Carriers	1,200	59.4%	1.7
Grantmaking and Giving Services	630	56.8%	0.7
Other Schools and Instruction	2,850	55.3%	1.4
Software Publishers	1,500	52.1%	1.0

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

<b>Top 25 Middle-Skill, Middle-Wage or Higher Occupations</b>	<b>Total Projected Job Openings 2012-2022</b>	<b>HWOL Job Ads</b>	<b>Median Annual Wage 2016 1st Quarter</b>
Registered Nurses	8,571	4,147	\$130,271
Heavy and Tractor-Trailer Truck Drivers	2,324	2,212	\$46,012
Licensed Practical and Licensed Vocational Nurses	1,923	862	\$59,751
Computer User Support Specialists	1,673	1,426	\$62,307
Medical Assistants	1,537	576	\$44,548
Dental Assistants	1,040	843	\$39,614
Web Developers	746	1,607	\$76,438
First-Line Supervisors of Production and Operating Workers	676	912	\$61,863
Dental Hygienists	670	153	\$105,798
Library Technicians	668	8	\$44,258
Heating, Air Conditioning, and Refrigeration Mechanics and Installers	640	262	\$58,139
Medical and Clinical Laboratory Technicians	568	83	\$53,052
Firefighters	499	3	\$90,852
Paralegals and Legal Assistants	493	367	\$59,376
Medical Records and Health Information Technicians	478	233	\$54,859
Respiratory Therapists	455	83	\$90,096
Electrical and Electronics Engineering Technicians	410	231	\$77,304
Radiologic Technologists	373	136	\$96,837
Computer Network Support Specialists	332	22	\$78,841
Telecommunications Equipment Installers and Repairers, Except Line Installers	302	258	\$66,527
Environmental Science and Protection Technicians, Including Health	299	196	\$50,182
Chemical Technicians	295	107	\$50,471
Phlebotomists	248	65	\$42,673
Surgical Technologists	239	130	\$71,083
Diagnostic Medical Sonographers	225	73	\$118,860

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 (\$48,154).

## Demographic Data

Age	Population	Percent Share of Total Population
Under 5 Years	163,085	6.2%
5 to 9 Years	170,215	6.5%
10 to 14 Years	166,607	6.3%
15 to 17 Years	102,363	3.9%
18 and 19 Years	67,640	2.6%
20 Years	34,131	1.3%
21 Years	35,394	1.3%
22 to 24 Years	105,024	4.0%
25 to 29 Years	184,438	7.0%
30 to 34 Years	190,290	7.2%
35 to 39 Years	188,435	7.1%
40 to 44 Years	192,690	7.3%
45 to 49 Years	194,618	7.4%
50 to 54 Years	194,608	7.4%
55 to 59 Years	172,385	6.5%
60 and 61 Years	62,522	2.4%
62 to 64 Years	87,485	3.3%
65 and 66 Years	50,297	1.9%
67 to 69 Years	58,460	2.2%
70 to 74 Years	75,944	2.9%
75 to 79 Years	54,053	2.1%
80 to 84 Years	42,327	1.6%
85 Years and Older	47,529	1.8%
<b>Total</b>	<b>2,640,540</b>	<b>100.0%</b>

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

Gender	Population
Male	1,291,139
Female	1,349,401
<b>Total</b>	<b>2,640,540</b>

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

Median Household Income by County	Median Household Income
Alameda	\$73,775
Contra Costa	\$79,799

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	311,362	12.0%
Income in the Past 12 at or Above Poverty Level	2,291,779	88.0%
<b>Total</b>	<b>2,603,141</b>	<b>100.0%</b>

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

Race	Population	Percentage
<b>Hispanic or Latino</b>	<b>620,359</b>	<b>100.0%</b>
White Alone	355,511	57.3%
Black or African American Alone	8,695	1.4%
American Indian and Alaska Native Alone	7,107	1.1%
Asian Alone	4,383	0.7%
Native Hawaiian and Other Pacific Islander Alone	745	0.1%
Some Other Race Alone	196,354	31.7%
Two or More Races	47,564	7.7%
<b>Non-Hispanic or Latino</b>	<b>2,020,181</b>	<b>100.0%</b>
White Alone	1,022,890	50.6%
Black or African American Alone	273,125	13.5%
American Indian and Alaska Native Alone	7,690	0.4%
Asian Alone	581,059	28.8%
Native Hawaiian and Other Pacific Islander Alone	17,311	0.9%
Some Other Race Alone	7,538	0.4%
Two or More Races	110,568	5.5%

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

Native and Foreign Born	Population	Percentage
Native	1,901,842	72.0%
Foreign Born	738,698	28.0%
<b>Total</b>	<b>2,640,540</b>	<b>100.0%</b>

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

English Learners	Population	Percentage
Speaks English Less Than "Very Well"	412,579	16.7%
Speaks English "Very Well"	561,435	22.7%
Speaks Only English	1,503,441	60.7%
<b>Total</b>	<b>2,477,455</b>	<b>100.0%</b>

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

Veteran Status	Population	Percentage
Male Veterans	109,633	93.1%
Female Veterans	8,119	6.9%
<b>Total</b>	<b>117,752</b>	<b>100.0%</b>

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

Disability Status	Population	Percentage
With Any Disability	255,091	9.7%
No Disability	2,367,403	90.3%
<b>Total</b>	<b>2,622,494</b>	<b>100.0%</b>

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

Labor Force Participation	Population	Percentage
Employed or in Armed Forces	1,252,079	59.4%
Unemployed	133,818	6.4%
Not in labor force	721,450	34.2%
<b>Total</b>	<b>2,107,347</b>	<b>100.0%</b>

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

Individuals with Barriers to Employment	Total
Ethnic Minorities	1,617,650
Households with Cash Public Assistance or Food Stamps	72,911
Population 18 and Over with Less Than a 9 <sup>th</sup> Grade Level Education	123,426
Single Parent Households	163,046
Speak English Less Than "Very Well"	412,579
Youth Ages 10 to 24	511,159

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

Educational Attainment	Male	Percentage	Female	Percentage
Less than 9th grade	57,813	5.9%	65,613	6.2%
9th to 12th grade, no diploma	67,222	6.8%	61,244	5.8%
High school graduate (includes equivalency)	202,126	20.6%	200,405	19.0%
Some college, no degree	226,483	23.0%	247,244	23.4%
Associate's degree	61,674	6.3%	81,145	7.7%
Bachelor's degree	220,838	22.5%	254,296	24.1%
Graduate or professional degree	147,334	15.0%	144,833	13.7%
<b>Total</b>	<b>983,490</b>	<b>100.0%</b>	<b>1,054,780</b>	<b>100.0%</b>

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	114,834	32.9%	32,299	4.1%
High school graduate (includes equivalency)	91,709	26.3%	132,269	16.9%
Some college or associate's degree	86,661	24.8%	227,322	29.1%
Bachelor's degree or higher	55,969	16.0%	389,969	49.9%
<b>Total</b>	<b>349,173</b>	<b>100.0%</b>	<b>781,859</b>	<b>100.0%</b>

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

<b>Educational Attainment by Race, 25 Years and Over</b>	<b>White Alone</b>	<b>Percent of White Alone, Total</b>	<b>Black or African American Alone</b>	<b>Percent of Black or African American Alone, Total</b>	<b>American Indian and Alaska Native Alone</b>	<b>Percent of American Indian and Alaska Native Alone, Total</b>	<b>Asian Alone</b>	<b>Percent of Asian Alone, Total</b>	<b>Native Hawaiian and Other Pacific Islander Alone</b>	<b>Percent of Native Hawaiian and Other Pacific Islander Alone, Total</b>	<b>Some Other Race Alone</b>	<b>Percent of Some Other Race Alone, Total</b>	<b>Two or More Races</b>	<b>Percent of Two or more races, Total</b>
Less than high school diploma	100,375	10.2%	18,217	9.8%	2,108	20.0%	50,532	12.2%	1,735	14.7%	42,156	35.8%	6,993	10.3%
High school graduate (includes equivalency)	183,341	18.6%	44,990	24.1%	2,779	26.4%	57,039	13.8%	4,136	35.1%	34,724	29.5%	12,706	18.7%
Some college or associate's degree	278,017	28.1%	78,395	42.0%	3,342	31.8%	82,736	20.0%	4,148	35.2%	26,871	22.8%	23,710	34.9%
Bachelor's degree or higher	426,530	43.2%	44,957	24.1%	2,287	21.7%	223,041	54.0%	1,750	14.9%	13,854	11.8%	24,612	36.2%
<b>Total</b>	<b>988,263</b>	<b>100.0%</b>	<b>186,559</b>	<b>100.0%</b>	<b>10,516</b>	<b>100.0%</b>	<b>413,348</b>	<b>100.0%</b>	<b>11,769</b>	<b>100.0%</b>	<b>117,605</b>	<b>100.0%</b>	<b>68,021</b>	<b>100.0%</b>

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 table below displays MSA data as a substitute for county level data.

### GDP by San Francisco-Oakland-Hayward MSA (substitute for Alameda and Contra Costa Counties)

<b>Major Industry Sector</b>	<b>2014 Millions of Current Dollars</b>
Total All Industries	\$411,969
Agriculture, Forestry, Fishing, and Hunting	(D)
Mining	(D)
Utilities	(D)
Construction	\$13,414
Manufacturing	\$43,019
Wholesale Trade	\$18,853
Retail Trade	\$19,693
Transportation and Warehousing	(D)
Information	\$33,702
Finance, Insurance, Real Estate, Rental, and Leasing	\$97,533
Professional and Business Services	\$80,680
Educational Services, Health Care, and Social Assistance	\$25,929
Arts, Entertainment, Recreation, Accommodation, and Food Services	\$14,949
Other Services, Except Government	\$7,893
Government	\$37,617

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	Installation	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	Systems Analysis
Registered Nurses	•	•		•	•			•					•					•				•	•	•	
Heavy and Tractor-Trailer Truck Drivers		•	•		•	•							•	•	•			•						•	
Licensed Practical and Licensed Vocational Nurses		•		•	•				•				•					•				•	•	•	
Computer User Support Specialists	•	•		•	•			•					•					•				•		•	
Medical Assistants	•	•		•	•								•					•				•	•	•	
Dental Assistants	•	•			•			•					•					•				•	•	•	
Web Developers	•	•	•		•				•				•			•	•		•						
First-Line Supervisors of Production and Operating Workers		•	•	•	•						•							•				•	•		
Dental Hygienists	•	•	•	•	•								•					•				•		•	
Library Technicians	•	•		•	•			•					•					•				•		•	
Heating, Air Conditioning, and Refrigeration Mechanics and Installers*		•		•	•	•	•							•				•	•	•					
Medical and Clinical Laboratory Technicians	•	•	•	•	•					•			•					•			•		•		
Firefighters*		•		•	•				•				•		•			•				•	•	•	
Paralegals and Legal Assistants	•	•		•	•								•					•					•	•	
Medical Records and Health Information Technicians		•	•		•				•	•			•					•					•		
Respiratory Therapists	•	•			•				•				•					•			•	•	•	•	
Electrical and Electronics Engineering Technicians*		•	•		•							•	•					•	•				•		
Radiologic Technologists	•	•		•	•								•					•					•	•	
Computer Network Support Specialists	•	•	•		•				•				•					•					•	•	
Telecommunications Equipment Installers and Repairers, Except Line Installers	•	•	•		•								•		•			•	•	•					
Environmental Science and Protection Technicians, Including Health		•	•	•	•				•			•	•					•					•		
Chemical Technicians		•			•			•	•				•					•	•		•		•		
Phlebotomists	•	•		•	•			•					•					•				•	•	•	
Surgical Technologists	•	•	•	•	•			•		•			•					•				•			
Diagnostic Medical Sonographers	•	•		•	•			•					•					•					•		

Source: U.S. Department of Labor's Occupational Information Network (O\*NET) at [www.onetonline.org](http://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		•			•			•			•		•			•		•					•			•		•	
Heavy and Tractor-Trailer Truck Drivers	•							•			•		•	•	•	•	•						•	•					•
Licensed Practical and Licensed Vocational Nurses				•	•			•			•		•			•		•		•		•						•	
Computer User Support Specialists	•				•	•	•	•			•	•	•			•											•		
Medical Assistants	•				•		•	•			•		•					•					•	•				•	
Dental Assistants				•	•		•	•			•		•					•				•	•		•				
Web Developers	•				•	•	•	•	•		•		•			•									•				
First-Line Supervisors of Production and Operating Workers	•				•		•		•		•	•				•	•		•		•								
Dental Hygienists		•		•	•		•	•			•		•					•					•		•				
Library Technicians	•				•	•	•	•		•	•	•			•	•													
Heating, Air Conditioning, and Refrigeration Mechanics and Installers*			•	•			•	•	•			•				•	•				•								
Medical and Clinical Laboratory Technicians		•		•	•		•	•					•			•		•				•		•					
Firefighters*	•		•	•				•			•		•			•		•			•			•					
Paralegals and Legal Assistants	•				•	•	•	•			•		•			•	•						•						
Medical Records and Health Information Technicians	•				•	•	•	•			•		•			•	•							•					
Respiratory Therapists		•		•			•	•			•		•			•		•					•					•	
Electrical and Electronics Engineering Technicians*							•	•	•		•	•	•			•	•				•	•							
Radiologic Technologists		•			•		•	•			•		•			•		•			•		•						
Computer Network Support Specialists	•				•	•	•	•	•		•	•	•														•		
Telecommunications Equipment Installers and Repairers, Except Line Installers					•		•	•			•	•	•			•	•							•			•		
Environmental Science and Protection Technicians, Including Health		•		•	•		•	•					•	•		•					•			•					
Chemical Technicians				•			•				•	•	•			•	•				•	•		•					
Phlebotomists				•	•		•	•			•		•					•	•				•	•					
Surgical Technologists		•		•			•	•			•		•					•					•	•				•	
Diagnostic Medical Sonographers		•			•		•	•			•		•			•		•			•		•						

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

\* Knowledge listed for the occupation represent a specialty occupation.