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OCCUPATIONAL EMPLOYMENT AND WAGES — MAY 2018

Transportation and material moving occupations had employment of 10.2 million in May 2018, representing 7.1 percent of total national employment, the U.S. Bureau of Labor Statistics reported today. The largest transportation and material moving occupation was laborers and hand freight, stock, and material movers (2.9 million) and the highest paying transportation and material moving occupation was airline pilots, copilots, and flight engineers (\$169,560). (See chart 1 and chart 2.) The annual mean wage across all transportation and material moving occupations was \$38,290, compared with the U.S. average wage of \$51,960. (See table 1.)

The Occupational Employment Statistics (OES) program provides employment and wage estimates for over 800 occupations in the nation, states, and approximately 530 areas. National data are available by industry for approximately 415 industry classifications and by ownership across all industries, schools, and hospitals. This news release features transportation and material moving; education, training, and library; and food preparation and serving related occupations, in addition to STEM (science, technology, engineering, and mathematics) occupations and employment and wages by typical entry-level educational requirement. National employment and wage information for all occupations is shown in table 1.

Transportation and material moving occupations

- The **largest** transportation and material moving occupations were laborers and hand freight, stock, and material movers (2.9 million); heavy and tractor-trailer truck drivers (1.8 million); and light truck or delivery services drivers (915,310). (See table 1 and chart 1.)
- Several of the **highest paying** transportation and material moving occupations were related to air or water transportation. The highest paying transportation and material moving occupations were airline pilots, copilots, and flight engineers (\$169,560); air traffic controllers (\$120,830); commercial pilots (\$96,530); and captains, mates, and pilots of water vessels (\$82,380). (See table 1 and chart 2.)

Changes to the Occupational Employment Statistics (OES) Data

Within metropolitan areas, data for the 38 metropolitan divisions are no longer available. Also, some small nonmetropolitan areas have been combined to form larger nonmetropolitan areas. See the box notes at the end of this news release for more information on current and upcoming changes to OES data.

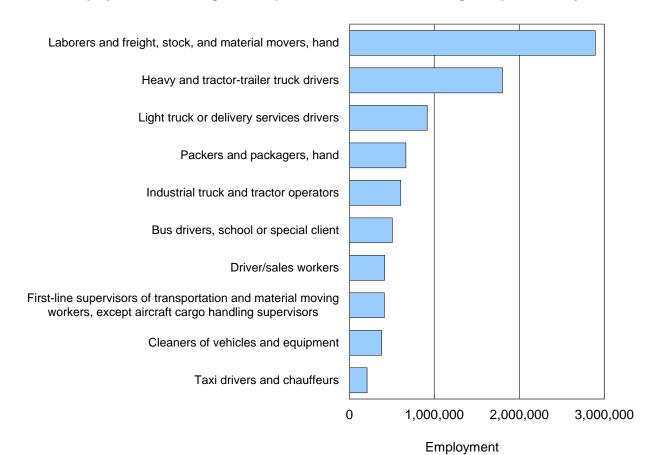


Chart 1. Employment for the largest transportation and material moving occupations, May 2018

Source: U.S. Bureau of Labor Statistics, Occupational Employment Statistics.

- The **lowest paying** transportation and material moving occupations were parking lot attendants (\$25,130) and automotive and watercraft service attendants (\$25,940). (See table 1.)
- **Industries** with the highest employment of transportation and material moving occupations were truck transportation (1.1 million); employment services, which includes temporary help services (890,660); and warehousing and storage (725,670).
- **States** with the highest employment shares of transportation and material moving occupations were Kentucky (9.6 percent), New Jersey, and Tennessee (each 9.4 percent).
- Alaska (\$59,320), the District of Columbia (\$47,670), and Hawaii (\$47,450) were among the states with the highest wages for transportation and material moving occupations.

State and metropolitan/nonmetropolitan area data are available at www.bls.gov/oes/current/oessrcst.htm and www.bls.gov/oes/current/oessrcma.htm, respectively.

National industry-specific data are available at www.bls.gov/oes/current/oessrci.htm.

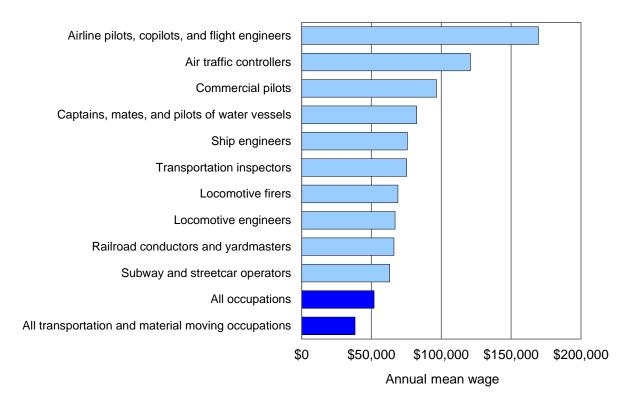


Chart 2. Highest paying transportation and material moving occupations, May 2018

Source: U.S. Bureau of Labor Statistics, Occupational Employment Statistics.

Education, training, and library occupations

- Education, training, and library occupations had **employment** of 8.8 million and an **annual mean wage** of \$56,620. (See table 1.)
- Over 74 percent of education, training, and library jobs were in the **public sector**. Local government accounted for 64 percent of employment in this occupational group.
- The **largest** education, training, and library occupations were elementary school teachers, except special education (1.4 million); teacher assistants (1.3 million); and secondary school teachers, except special and career/technical education (1.1 million). (See table 1.) These were also the largest occupations in the public sector.
- The **highest paying** education, training, and library occupations were all postsecondary teaching occupations, including postsecondary law teachers (\$130,710) and postsecondary health specialties teachers (\$122,320). (See table 1.)
- The **lowest paying** education, training, and library occupations were teacher assistants (\$28,750) and substitute teachers (\$32,360). (See table 1.)

• Elementary school teachers, except special education had an annual mean wage of \$62,200 nationally. (See table 1.) Wages for this occupation varied by state from \$40,450 in Oklahoma to \$83,010 in New York.

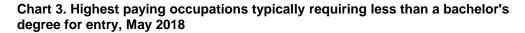
Public and private sector ownership data are available at www.bls.gov/oes/current/oessrci.htm.

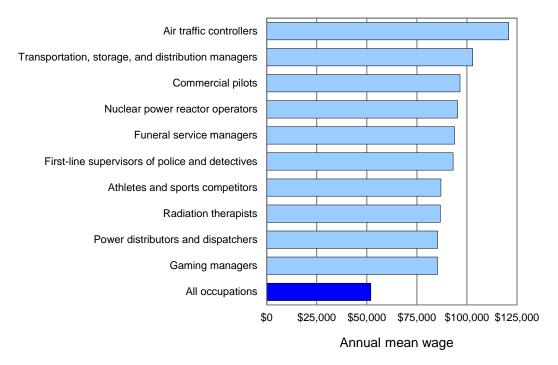
Food preparation and serving related occupations

- Food preparation and serving related occupations had total **employment** of 13.4 million, representing 9.2 percent of U.S. employment, and an **annual mean wage** of \$25,580. This was the third-largest occupational group (after office and administrative support occupations and sales and related occupations), as well as the lowest paying. (See table 1.)
- The **largest** food preparation and serving related occupations were combined food preparation and serving workers, including fast food (3.7 million); waiters and waitresses (2.6 million); and restaurant cooks (1.3 million). (See table 1.)
- Chefs and head cooks (\$52,160) was the **highest paying** food preparation and serving related occupation. Combined food preparation and serving workers, including fast food (\$22,140) and fast food cooks (\$22,650) were the **lowest paying** occupations in this group. (See table 1.)
- **Metropolitan areas** with the highest concentrations of food preparation and serving related occupations included Kahului-Wailuku-Lahaina, Hawaii (18.8 percent); Myrtle Beach-Conway-North Myrtle Beach, S.C.-N.C. (18.1 percent); and Ocean City, N.J. (17.9 percent).
- The **highest paying areas** for food preparation and serving related occupations included Kahului-Wailuku-Lahaina, Hawaii (\$43,070); Urban Honolulu, Hawaii (\$35,610); and Napa, Calif. (\$33,800).

Typical entry-level education

- Occupations typically requiring postsecondary education for entry made up 37 percent of
 employment. The largest postsecondary category, occupations that typically require a bachelor's
 degree for entry, made up 22 percent of employment. This educational category includes
 registered nurses, teachers at the kindergarten through secondary levels, and many management,
 business and financial operations, computer, and engineering occupations.
- Occupations typically requiring a high school diploma or the equivalent for entry made up 39
 percent of employment, and occupations that require no formal educational credential for entry
 made up 24 percent of employment. These two educational categories include most production
 and construction occupations, as well as large occupations such as retail salespersons, cashiers,
 and general office clerks.
- Occupations typically requiring a **postsecondary nondegree award**, such as a certificate, for entry made up 6.2 percent of employment. The largest occupations in this educational category were heavy and tractor-trailer truck drivers (1.8 million) and nursing assistants (1.5 million).





Source: U.S. Bureau of Labor Statistics, Occupational Employment Statistics and Employment Projections.

- Average wages were generally higher for occupations requiring more education. Annual mean wages were \$27,890 for occupations typically requiring no formal educational credential for entry, \$43,060 for occupations typically requiring a high school diploma or the equivalent, \$56,970 for occupations typically requiring an associate's degree, and \$87,130 for occupations typically requiring a bachelor's degree.
- The **highest paying** occupations typically requiring **less than a bachelor's degree** for entry were air traffic controllers (\$120,830), which typically require an associate's degree for entry, and transportation, storage, and distribution managers (\$102,850), which typically require a high school diploma or the equivalent. (See chart 3.)
- Occupations typically requiring a **postsecondary nondegree award** for entry had an average wage of \$42,530. The highest paying metropolitan areas for occupations in this educational category included San Francisco-Oakland-Hayward, Calif. (\$55,690); Fairbanks, Alaska (\$55,100); and Anchorage, Alaska (\$54,090).

The typical education level required to enter an occupation is based on education and training categories from the BLS Employment Projections program. Education and training levels assigned to each occupation are available at www.bls.gov/emp/ep_table_112.htm. Additional charts are available at www.bls.gov/oes/current/overview_2018.htm.

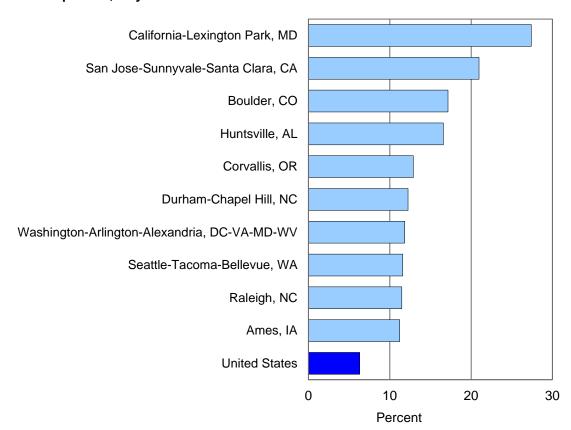


Chart 4. Metropolitan areas with the highest employment shares of STEM occupations, May 2018

Source: U.S. Bureau of Labor Statistics, Occupational Employment Statistics.

Science, technology, engineering, and mathematics (STEM) occupations

- There were nearly 9.1 million STEM jobs representing 6.3 percent of total U.S. employment.
- Seven of the 10 **largest** STEM occupations were related to computers and included applications software developers (903,160) and computer user support specialists (630,700). (See table 1.)
- **Areas** with the highest employment shares of STEM occupations were California-Lexington Park, Md. (27.4 percent), and San Jose-Sunnyvale-Santa Clara, Calif. (21.0 percent). (See chart 4.)
- STEM occupations had an **annual mean wage** of \$93,070, compared with \$49,170 for non-STEM occupations. Ninety-three of the 99 STEM occupations had mean wages significantly above the all-occupations average of \$51,960. (See table 1.)
- The **highest paying** STEM occupations were petroleum engineers (\$156,370) and the three STEM-related management occupations. (See table 1.)

• The **lowest paying** STEM occupations were forest and conservation technicians (\$40,110) and agricultural and food science technicians (\$44,170). (See table 1.)

Occupations included in the STEM definition used for this news release are available at www.bls.gov/oes/stem_list_2018.xlsx. Additional STEM charts are available at www.bls.gov/oes/current/overview_2018.htm.

Largest occupations

- The largest occupations overall were retail salespersons (4.4 million); combined food preparation and serving workers, including fast food (3.7 million); and cashiers (3.6 million). (See table 1.)
- Eight of the 10 largest occupations had below-average wages. Retail salespersons (\$28,310), combined food preparation and serving workers (\$22,140), and cashiers (\$23,240) had annual mean wages significantly below the all-occupations average of \$51,960. (See table 1.)
- Registered nurses (\$75,510) and general and operations managers (\$123,880) were the largest occupations with above-average wages. (See table 1.)

Public sector occupations

- The public sector made up 15 percent of employment and had a different occupational mix from the private sector.
- Many of the **largest** public sector occupations were related to education. In addition to elementary school teachers, except special education (public sector employment of 1.3 million); teacher assistants (1.0 million); and secondary school teachers, except special and career/technical education (926,100), the occupations with the highest public sector employment included middle school teachers, except special and career/technical education (541,280) and substitute teachers (505,000).
- Outside of the education, training, and library group, the occupations with the highest public sector employment were police and sheriff's patrol officers (654,570), general office clerks (539,230), and secretaries and administrative assistants, except legal, medical, and executive (505,580).

Area Changes to the May 2018 Occupational Employment Statistics (OES)

OES continues to publish data for metropolitan and nonmetropolitan areas that cover the full geography of the United States. However, the level of detail available has decreased.

OES no longer publishes data for metropolitan divisions. Data for the 11 large metropolitan areas that contain divisions are now available at the Metropolitan Statistical Area (MSA) or New England City and Town Area (NECTA) level only.

In addition, some smaller nonmetropolitan areas have been combined to form larger nonmetropolitan areas. The May 2018 OES estimates contain data for 134 nonmetropolitan areas, compared with 167 nonmetropolitan areas in the May 2017 estimates.

More information on these area changes is available at www.bls.gov/oes/areas_2018.htm.

Implementing the 2018 Standard Occupational Classification (SOC) System

The OES program plans to begin implementing the 2018 Standard Occupational Classification (SOC) system with the May 2019 estimates, to be released by early April of 2020. Because each set of OES estimates is produced by combining three years of survey data, estimates for May 2019 and May 2020 will be based on a combination of survey data collected under the 2010 SOC and data collected under the 2018 SOC, and will use a hybrid of the two classification systems. The May 2021 OES estimates, to be released by early April of 2022, will be the first set of estimates based fully on the 2018 SOC. For more information, please see www.bls.gov/oes/soc_2018.htm.

Technical Note

Scope of the survey

The Occupational Employment Statistics (OES) survey is a semiannual survey measuring occupational employment and wage rates for wage and salary workers in nonfarm establishments in the United States. The OES data available from BLS include cross-industry occupational employment and wage estimates for the nation; over 580 areas, including states and the District of Columbia, metropolitan statistical areas (MSAs), nonmetropolitan areas, and territories; national industry-specific estimates at the NAICS sector, 3-digit, most 4-digit, and selected 5- and 6-digit industry levels; and national estimates by ownership across all industries and for schools and hospitals.

The OES survey is a cooperative effort between BLS and the State Workforce Agencies (SWAs). BLS funds the survey and provides the procedures and technical support, while the State Workforce Agencies collect most of the data. OES estimates are constructed from a sample of about 1.2 million establishments. Each year, two semiannual panels of approximately 180,000 to 200,000 sampled establishments are contacted, one panel in May and the other in November. Responses are obtained by mail, Internet or other electronic means, email, telephone, or personal visit. The May 2018 estimates are based on responses from six semiannual panels collected over a 3-year period: May 2018, November 2017, May 2017, November 2016, May 2016, and November 2015. The unweighted sampled employment of 83 million across all six semiannual panels represents approximately 58 percent of total national employment. The overall national response rate for the six panels, based on the 50 states and the District of Columbia, is 71 percent based on establishments and 68 percent based on weighted sampled employment.

The occupational coding system

The OES survey categorizes workers into 810 detailed occupations based on the Office of Management and Budget's 2010 Standard Occupational Classification (SOC) system. Together, these detailed occupations make up 22 of the 23 SOC major occupational groups. Major group 55, Military Specific Occupations, is not included.

For more information about the SOC system, please see the BLS website at www.bls.gov/soc/.

The industry coding system

The May 2018 OES estimates use the 2017 North American Industry Classification System (NAICS). For more information about NAICS, see the BLS website at www.bls.gov/bls/naics.htm.

The OES survey excludes the majority of the agricultural sector, with the exception of logging (NAICS 113310), support activities for crop production (NAICS 1151), and support activities for animal production (NAICS 1152). Private households (NAICS 814) also are excluded. OES federal government data include the U.S. Postal Service and the federal executive branch only. All other industries, including state and local government, are covered by the survey.

Survey sample

The OES survey draws its sample from state unemployment insurance (UI) files. Supplemental sources are used for rail transportation (NAICS 4821) and Guam because they do not report to the UI program. The OES survey sample is stratified by metropolitan and nonmetropolitan area, industry, and size.

To provide the most occupational coverage, larger employers are more likely to be selected than smaller employers. A census is taken of the executive branch of the federal government, the U.S. Postal Service, and state government.

Concepts

Occupational employment is the estimate of total wage and salary employment in an occupation. The OES survey defines employment as the number of workers who can be classified as full- or part-time employees, including workers on paid vacations or other types of paid leave; workers on unpaid short-term absences; salaried officers, executives, and staff members of incorporated firms; employees temporarily assigned to other units; and employees for whom the reporting unit is their permanent duty station, regardless of whether that unit prepares their paycheck. The survey does not include the self-employed, owners and partners in unincorporated firms, household workers, or unpaid family workers.

Wages for the OES survey are straight-time, gross pay, exclusive of premium pay. Base rate; cost-of-living allowances; guaranteed pay; hazardous-duty pay; incentive pay, including commissions and production bonuses; and tips are included. Excluded are overtime pay, severance pay, shift differentials, nonproduction bonuses, employer cost for supplementary benefits, and tuition reimbursements.

OES receives wage rate data for the federal government, the U.S. Postal Service, and most state governments. For the remaining establishments, the OES survey data are placed into 12 intervals. The intervals are defined both as hourly rates and the corresponding annual rates, where the annual rate for an occupation is calculated by multiplying the hourly wage rate by a typical work year of 2,080 hours. The responding establishments are instructed to report the hourly rate for part-time workers, and to report annual rates for occupations that are typically paid at an annual rate but do not work 2,080 hours per year, such as teachers, pilots, and flight attendants. Other workers, such as some entertainment workers, are paid hourly rates, but generally do not work 40 hours per week, year round. For these workers, only an hourly wage is reported.

Estimation methodology

The OES survey is designed to produce estimates by combining six panels of data collected over a 3-year period. Each OES panel contains approximately 180,000 to 200,000 establishments. Recent OES survey panels have a reduced sample; see the "Changes to the May 2018 estimates" section below for more information. The full six-panel sample of nearly 1.2 million establishments allows the production of estimates at detailed levels of geography, industry, and occupation.

Wage updating. Significant reductions in sampling errors are obtained by combining six panels of data, particularly for small geographic areas and occupations. Wages for the current panel need no adjustment. However, wages in the five previous panels need to be updated to the current panel's reference period.

The OES program uses the BLS Employment Cost Index (ECI) to adjust survey data from prior panels before combining them with the current panel's data. The wage updating procedure adjusts each detailed occupation's wage rate, as measured in the earlier panel, according to the average movement of its broader occupational division.

Imputation. Some establishments do not respond for a given panel. For most employers, a "nearest neighbor" hot deck imputation procedure is used to impute missing occupational employment totals. A variant of mean imputation is used to impute missing wage distributions. In some cases, data for nonrespondents are available from earlier panels. In those cases, the older data may be used and aged to represent the current reference period.

Weighting and benchmarking. The sampled establishments are weighted to represent all establishments for the reference period. Weights are further adjusted by the ratio of employment totals (the average of November 2017 and May 2018 employment) from the BLS Quarterly Census of Employment and Wages to employment totals from the OES survey.

Changes to the May 2018 estimates

The OES sample has been reduced in recent survey panels. The November 2017 and May 2018 OES survey panels each had a sample of approximately 186,000 establishments. The May 2017 panel sample consisted of approximately 195,000 establishments, and the November 2016, May 2016, and November 2015 survey panels each consisted of approximately 200,000 establishments.

With the publication of the May 2018 estimates, the OES program has made changes to the metropolitan and nonmetropolitan area data. OES continues to publish data for metropolitan and nonmetropolitan areas that cover the full geography of the United States. However, the level of detail available has been reduced.

Elimination of metropolitan division data. OES no longer publishes data for the metropolitan divisions within the 11 large metropolitan areas that are further broken down into divisions. Data for these 11 areas are available at the Metropolitan Statistical Area (MSA) or New England City and Town Area (NECTA) level only. For a list of metropolitan divisions and the corresponding MSAs/NECTAs, see www.bls.gov/oes/divisions 2018.xlsx.

Consolidation of some nonmetropolitan areas. Some nonmetropolitan areas published in the May 2017 estimates have been combined to form larger nonmetropolitan areas. The May 2018 estimates contain data for 134 nonmetropolitan areas, compared with 167 nonmetropolitan areas in the May 2017 estimates. For a list of the 2018 nonmetropolitan areas, see www.bls.gov/oes/nonmet_2018.xlsx.

A spreadsheet showing all of the new area definitions and names used for the May 2018 OES estimates is available at www.bls.gov/oes/area_definitions_2018.xlsx.

For more information

Answers to frequently asked questions about the OES data are available at www.bls.gov/oes/oes_ques.htm. Detailed technical information about the OES survey is available in the Survey Methods and Reliability Statement on the BLS website at www.bls.gov/oes/current/methods_statement.pdf.

Table 1. National employment and wage data from the Occupational Employment Statistics survey by occupation, May 2018

Cogunation	Employment	Mean w	ayes	Median
Occupation	Employment	Hourly	Annual ¹	hourly wages
All occupations	144,733,270	\$24.98	\$51,960	\$18.58
Management occupations	7,616,650	58.44	121,560	50.11
Top executives		61.66	128,240	49.73
Chief executives		96.22 59.56	200,140 123,880	91.15 48.52
General and operations managers Legislators		(2)	47,620	40.52 (²)
Advertising, marketing, promotions, public relations, and sales managers	, ,	68.03	141,500	60.70
Advertising and promotions managers		63.99	133,090	56.31
Marketing and sales managers		68.75	143,000	61.59
Marketing managers		70.79	147,240	64.56
Sales managers	, ,	67.46	140,320	59.72
Public relations and fundraising managers	,	63.26	131,570	55.19
Operations specialties managers		63.79	132,680	57.01
Administrative services managers Computer and information systems managers		50.99 73.49	106,050 152,860	46.24 68.53
Financial managers		70.59	146,830	61.53
Industrial production managers.	, ,	54.51	113,370	49.70
Purchasing managers		60.40	125,630	57.18
Transportation, storage, and distribution managers	, ,	49.45	102,850	45.54
Compensation and benefits managers	15,660	63.87	132,860	58.18
Human resources managers	143,580	60.91	126,700	54.47
Training and development managers	, ,	58.53	121,730	53.53
Other management occupations		48.51	100,900	43.33
Farmers, ranchers, and other agricultural managers		38.43	79,940	32.67
Construction managers		49.57	103,110	44.89
Education administrators		46.65	97,030	43.30
Education administrators, preschool and childcare center/program		25.96	53,990	23.05
Education administrators, elementary and secondary school Education administrators, postsecondary		(²) 53.47	98,750 111,210	(²) 45.36
Education administrators, postsecondary	, ,	43.06	89,570	39.83
Architectural and engineering managers	, ,	71.62	148,970	67.67
Food service managers	, ,	28.35	58,960	26.08
Funeral service managers		45.11	93,820	38.07
Gaming managers		40.99	85,260	35.91
Lodging managers		29.94	62,270	25.67
Medical and health services managers		54.68	113,730	47.95
Natural sciences managers		67.16	139,680	59.55
Postmasters and mail superintendents		37.04	77,040	36.52
Property, real estate, and community association managers		34.49	71,730	28.05
Social and community service managers		34.46	71,670	31.41
Emergency management directors		39.70 55.57	82,570 115,590	35.78 51.67
Business and financial operations occupations	7,721,300	36.98	76,910	32.86
Business operations specialists		35.52	73,890	32.27
Agents and business managers of artists, performers, and athletes		43.72 32.47	90,930 67,530	31.75 30.17
Buyers and purchasing agents	, ,	32.42	67,440	31.57
Claims adjusters, examiners, and investigators		32.47	67,540	31.68
Insurance appraisers, auto damage		31.50	65,510	30.06
Compliance officers		34.86	72,520	33.10
Cost estimators		33.52	69,710	30.79
Human resources workers	671,140	32.32	67,240	29.52
Human resources specialists		32.11	66,790	29.27
Farm labor contractors		25.45	52,930	22.19
Labor relations specialists		34.01	70,730	32.59
Logisticians		37.85 45.38	78,730	35.86
Management analysts		45.38 25.83	94,390 53,730	40.20 23.74
			61,610	27.38
Meeting, convention, and event planners			01,010	30.29
Meeting, convention, and event planners Fundraisers	75,700	29.62 32.65	67 910	
Meeting, convention, and event planners Fundraisers Compensation, benefits, and job analysis specialists		32.65	67,910 65,120	29.26
Meeting, convention, and event planners Fundraisers			67,910 65,120 70,960	29.26 30.35
Meeting, convention, and event planners Fundraisers Compensation, benefits, and job analysis specialists Training and development specialists Market research analysts and marketing specialists		32.65 31.31	65,120	
Meeting, convention, and event planners. Fundraisers Compensation, benefits, and job analysis specialists. Training and development specialists Market research analysts and marketing specialists Business operations specialists, all other. Financial specialists.	75,700 83,550 291,380 638,200 1,060,580 2,698,660	32.65 31.31 34.11 37.00 39.69	65,120 70,960 76,960 82,550	30.35 33.91 34.02
Meeting, convention, and event planners. Fundraisers. Compensation, benefits, and job analysis specialists. Training and development specialists. Market research analysts and marketing specialists. Business operations specialists, all other. Financial specialists. Accountants and auditors.	75,700 83,550 291,380 638,200 1,060,580 2,698,660 1,259,930	32.65 31.31 34.11 37.00 39.69 37.89	65,120 70,960 76,960 82,550 78,820	30.35 33.91 34.02 33.89
Meeting, convention, and event planners. Fundraisers. Compensation, benefits, and job analysis specialists. Training and development specialists. Market research analysts and marketing specialists. Business operations specialists, all other. Financial specialists Accountants and auditors. Appraisers and assessors of real estate.	75,700 83,550 291,380 638,200 1,060,580 2,698,660 1,259,930 57,900	32.65 31.31 34.11 37.00 39.69 37.89 29.75	65,120 70,960 76,960 82,550 78,820 61,870	30.35 33.91 34.02 33.89 26.43
Meeting, convention, and event planners. Fundraisers. Compensation, benefits, and job analysis specialists. Training and development specialists. Market research analysts and marketing specialists. Business operations specialists, all other. Financial specialists. Accountants and auditors. Appraisers and assessors of real estate. Budget analysts.	75,700 83,550 291,380 638,200 1,060,580 2,698,660 1,259,930 57,900 52,810	32.65 31.31 34.11 37.00 39.69 37.89 29.75 38.38	65,120 70,960 76,960 82,550 78,820 61,870 79,830	30.35 33.91 34.02 33.89 26.43 36.65
Meeting, convention, and event planners. Fundraisers Compensation, benefits, and job analysis specialists. Training and development specialists. Market research analysts and marketing specialists Business operations specialists, all other Financial specialists. Accountants and auditors. Appraisers and assessors of real estate. Budget analysts. Credit analysts.	75,700 83,550 291,380 638,200 1,060,580 2,698,660 1,259,930 57,900 52,810 74,820	32.65 31.31 34.11 37.00 39.69 37.89 29.75 38.38 39.57	65,120 70,960 76,960 82,550 78,820 61,870 79,830 82,300	30.35 33.91 34.02 33.89 26.43 36.65 34.38
Meeting, convention, and event planners. Fundraisers. Compensation, benefits, and job analysis specialists. Training and development specialists. Market research analysts and marketing specialists. Business operations specialists, all other. Financial specialists. Accountants and auditors. Appraisers and assessors of real estate. Budget analysts. Credit analysts. Financial analysts and advisors.	75,700 83,550 291,380 638,200 1,060,580 2,698,660 1,259,930 57,900 52,810 74,820 602,500	32.65 31.31 34.11 37.00 39.69 37.89 29.75 38.38 39.57 50.03	65,120 70,960 76,960 82,550 78,820 61,870 79,830 82,300 104,050	30.35 33.91 34.02 33.89 26.43 36.65 34.38 39.84
Meeting, convention, and event planners. Fundraisers Compensation, benefits, and job analysis specialists Training and development specialists Market research analysts and marketing specialists. Business operations specialists, all other. Financial specialists Accountants and auditors. Appraisers and assessors of real estate Budget analysts Credit analysts and advisors. Financial analysts and advisors. Financial analysts	75,700 83,550 291,380 638,200 1,060,580 2,698,660 1,259,930 57,900 52,810 74,820 602,500 306,200	32.65 31.31 34.11 37.00 39.69 37.89 29.75 38.38 39.57 50.03 48.55	65,120 70,960 76,960 82,550 78,820 61,870 79,830 82,300 104,050 100,990	30.35 33.91 34.02 33.89 26.43 36.65 34.38 39.84 41.18
Meeting, convention, and event planners. Fundraisers. Compensation, benefits, and job analysis specialists. Training and development specialists. Market research analysts and marketing specialists. Business operations specialists, all other. Financial specialists. Accountants and auditors. Appraisers and assessors of real estate. Budget analysts. Credit analysts. Financial analysts and advisors. Financial analysts and advisors. Financial analysts. Personal financial advisors.	75,700 83,550 291,380 638,200 1,060,580 2,698,660 1,259,930 57,900 52,810 74,820 602,500 306,200 200,260	32.65 31.31 34.11 37.00 39.69 37.89 29.75 38.38 39.57 50.03 48.55 58.54	65,120 70,960 76,960 82,550 78,820 61,870 79,830 82,300 104,050 100,990 121,770	30.35 33.91 34.02 33.89 26.43 36.65 34.38 49.84 41.18
Meeting, convention, and event planners. Fundraisers Compensation, benefits, and job analysis specialists. Training and development specialists. Market research analysts and marketing specialists. Business operations specialists, all other Financial specialists. Accountants and auditors. Appraisers and assessors of real estate. Budget analysts. Credit analysts. Financial analysts and advisors. Financial analysts. Personal financial advisors. Insurance underwriters.	75,700 83,550 291,380 638,200 1,060,580 2,698,660 1,259,930 57,900 52,810 74,820 602,500 306,200 200,260 96,040	32.65 31.31 34.11 37.00 39.69 37.89 29.75 38.38 39.57 50.03 48.55 58.54 36.96	65,120 70,960 76,960 82,550 78,820 61,870 79,830 82,300 104,050 100,990 121,770 76,880	30.35 33.91 34.02 33.89 26.43 36.65 34.38 39.84 41.18 42.73 33.36
Meeting, convention, and event planners. Fundraisers Compensation, benefits, and job analysis specialists. Training and development specialists Market research analysts and marketing specialists. Business operations specialists, all other. Financial specialists Accountants and auditors. Appraisers and assessors of real estate. Budget analysts. Credit analysts. Financial analysts and advisors. Financial analysts. Personal financial advisors Insurance underwriters. Financial examiners.	75,700 83,550 291,380 638,200 1,060,580 2,698,660 1,259,930 57,900 52,810 74,820 602,500 306,200 200,260 96,040 58,590	32.65 31.31 34.11 37.00 39.69 37.89 29.75 38.38 39.57 50.03 48.55 58.54 36.96 43.42	65,120 70,960 76,960 82,550 78,820 61,870 79,830 82,300 104,050 100,990 121,770 76,880 90,310	30.35 33.91 34.02 33.89 26.43 36.65 34.38 39.84 41.18 42.73 33.36 38.55
Meeting, convention, and event planners. Fundraisers. Compensation, benefits, and job analysis specialists. Training and development specialists. Market research analysts and marketing specialists. Business operations specialists, all other. Financial specialists. Accountants and auditors. Appraisers and assessors of real estate. Budget analysts. Credit analysts and advisors. Financial analysts and advisors. Financial analysts. Personal financial advisors. Insurance underwriters. Financial examiners. Credit counselors and loan officers.	75,700 83,550 291,380 638,200 1,060,580 2,698,660 1,259,930 57,900 52,810 74,820 602,500 306,200 200,260 96,040 58,590 340,690	32.65 31.31 34.11 37.00 39.69 37.89 29.75 38.38 39.57 50.03 48.55 58.54 36.96 43.42 35.33	65,120 70,960 76,960 82,550 78,820 61,870 79,830 82,300 104,050 100,990 121,770 76,880 90,310 73,490	30.35 33.91 34.02 33.89 26.43 36.65
Meeting, convention, and event planners. Fundraisers Compensation, benefits, and job analysis specialists. Training and development specialists Market research analysts and marketing specialists. Business operations specialists, all other. Financial specialists Accountants and auditors. Appraisers and assessors of real estate. Budget analysts. Credit analysts. Financial analysts and advisors. Financial analysts and advisors. Financial analysts. Personal financial advisors. Insurance underwriters. Financial examiners.	75,700 83,550 291,380 638,200 1,060,580 2,698,660 1,259,930 57,900 52,810 74,820 602,500 306,200 200,260 96,040 58,590 340,690 35,740	32.65 31.31 34.11 37.00 39.69 37.89 29.75 38.38 39.57 50.03 48.55 58.54 36.96 43.42	65,120 70,960 76,960 82,550 78,820 61,870 79,830 82,300 104,050 100,990 121,770 76,880 90,310	30.35 33.91 34.02 33.89 26.43 36.65 34.38 39.84 41.18 42.73 33.36 38.55 29.11
Meeting, convention, and event planners. Fundraisers. Compensation, benefits, and job analysis specialists. Training and development specialists. Market research analysts and marketing specialists Business operations specialists, all other. Financial specialists. Accountants and auditors. Appraisers and assessors of real estate. Budget analysts. Credit analysts. Financial analysts and advisors. Financial analysts and advisors. Financial analysts and advisors. Insurance underwriters. Financial examiners. Credit counselors and loan officers. Credit counselors.	75,700 83,550 291,380 638,200 1,060,580 2,698,660 1,259,930 57,900 52,810 74,820 602,500 306,200 200,260 96,040 58,590 340,690 35,740 304,950	32.65 31.31 34.11 37.00 39.69 37.89 29.75 38.38 39.57 50.03 48.55 58.54 36.96 43.42 35.33 23.95	65,120 70,960 76,960 82,550 78,820 61,870 79,830 82,300 104,050 100,990 121,770 76,880 90,310 73,490 49,820	30.35 33.91 34.02 33.89 26.43 36.65 34.38 39.84 41.18 42.73 33.36 38.55 29.11 21.72

Table 1. National employment and wage data from the Occupational Employment Statistics survey by occupation, May 2018- Continued

		Mean wages		Median	
Occupation	Employment	Hourly	Annual ¹	hourly wages	
Business and financial operations occupations (Continued)					
Tax preparers		\$22.53 37.30	\$46,860 77,580	\$18.94 33.79	
Computer and mathematical occupations	4,384,300	44.01	91,530	41.5	
Computer occupations	4,214,820	43.98	91,480	41.50	
Computer and information research scientists		59.54	123,850	56.9	
Computer and information analysts		45.67	94,990	43.3	
Computer systems analysts		45.01	93,610	42.66	
Information security analysts		49.26 50.23	102,470 104,480	47.28 48.04	
Computer programmers		43.07	89,580	40.52	
Software developers, applications		51.96	108,080	49.82	
Software developers, systems software	,	54.81	114,000	52.8	
Web developers	'	36.34	75,580	33.3	
Database and systems administrators and network architects		45.09	93,780	42.79	
Database administrators		44.25	92,030	43.3	
Network and computer systems administrators		41.86	87,070	39.4	
Computer network architects	,	53.43	111,130	52.4	
Computer support specialists		27.86	57,950	25.70	
Computer user support specialists		26.46	55,050	24.5	
Computer network support specialists		32.72	68,050	30.18	
Computer occupations, all other		44.88 44.63	93,350 92,830	43.40 41.68	
Actuaries.		55.89	116,250	49.40	
Mathematicians	,	50.42	104,870	48.99	
Operations research analysts	'	42.48	88,350	40.09	
Statisticians		44.52	92,600	42.20	
Miscellaneous mathematical science occupations		34.80	72,390	27.50	
Architecture and engineering occupations	2,556,220	42.01	87,370	38.5	
Architects, surveyors, and cartographers		38.61	80,300	35.20	
Architects, except naval		41.58	86,480	37.3	
Architects, except landscape and naval		42.72	88,860	38.10	
Landscape architects		35.17	73,160	32.80	
Surveyors, cartographers, and photogrammetrists		32.12 32.86	66,810 68,340	30.2 30.9	
Cartographers and photogrammetrists		31.94	66,440	30.09	
Engineers		47.71	99,230	44.75	
Aerospace engineers	, ,	56.30	117,100	55.39	
Agricultural engineers	,	38.03	79,090	37.07	
Biomedical engineers		45.72	95,090	42.57	
Chemical engineers	32,060	55.03	114,470	50.4	
Civil engineers		45.06	93,720	41.6	
Computer hardware engineers		56.66	117,840	55.1	
Electrical and electronics engineers		50.12	104,250	47.6	
Electrical engineers		48.85	101,600	46.4	
Electronics engineers, except computer	,	51.89	107,930	49.3	
Environmental engineers		44.54 44.14	92,640 91,800	42.13 41.93	
Health and safety engineers, except mining safety engineers and inspectors		45.01	93,630	42.8	
Industrial engineers		44.05	91,630	41.8	
Marine engineers and naval architects.		47.58	98,970	44.50	
Materials engineers	'	46.60	96,930	44.4	
Mechanical engineers		44.62	92,800	42.0	
Mining and geological engineers, including mining safety engineers		47.32	98,420	44.3	
Nuclear engineers	15,980	53.26	110,790	51.7	
Petroleum engineers	32,510	75.18	156,370	65.9	
Engineers, all other	142,030	47.80	99,410	46.6	
Drafters, engineering technicians, and mapping technicians		28.56	59,410	27.3	
Drafters		27.97	58,180	26.7	
Architectural and civil drafters		27.26	56,700	26.4	
Electrical and electronics drafters		30.96	64,400	28.8	
Mechanical drafters		28.37	59,010 54,240	26.8 24.9	
Drafters, all other		26.08 29.51	54,240 61,380	24.9	
Aerospace engineering and operations technicians		33.16	68,970	20.3 32.2	
Civil engineering technicians		26.29	54,670	25.2	
Electrical and electronics engineering technicians		31.27	65,050	30.9	
Electro-mechanical technicians		28.96	60,240	27.7	
Environmental engineering technicians		26.34	54,800	24.3	
Industrial engineering technicians		28.30	58,860	26.6	
Mechanical engineering technicians	41,460	28.00	58,240	27.0	
Engineering technicians, except drafters, all other	83,360	31.60 22.93	65,720 47,690	30.3 21.3	
Life, physical, and social science occupations Life scientists	1,171,910 304,750	36.62 41.56	76,160 86,450	31.7 36.4	
Agricultural and food scientists		34.24	71,230	30.7	
Animal scientists		32.54	67,690	28.0	

Table 1. National employment and wage data from the Occupational Employment Statistics survey by occupation, May 2018- Continued

	l L	Mean w	ayes	Median
Occupation	Employment	Hourly	Annual ¹	hourly wages
.ife, physical, and social science occupations (Continued)				
Food scientists and technologists	. 13,330	\$34.89	\$72,570	\$31.39
Soil and plant scientists	. 15,010	33.96	70,630	30.74
Biological scientists		41.54	86,390	37.29
Biochemists and biophysicists		50.93	105,940	44.85
Microbiologists		39.02	81,150	34.45
Zoologists and wildlife biologists Biological scientists, all other		32.58 40.19	67,760 83,600	30.49 38.27
Conservation scientists and foresters		31.12	64,720	29.49
Conservation scientists.		31.40	65,320	29.48
Foresters		30.36	63,150	29.53
Medical scientists		45.80	95,270	40.16
Epidemiologists		36.39	75,690	33.49
Medical scientists, except epidemiologists		46.36	96,420	40.77
Life scientists, all other		42.86	89,150	37.59
Physical scientists		43.49 59.48	90,470 123,730	38.89 57.49
Astronomers		53.41	111,090	50.81
Physicists	,	60.23	125,280	58.15
Atmospheric and space scientists		45.95	95,580	45.25
Chemists and materials scientists		41.06	85,400	37.66
Chemists		40.31	83,850	36.97
Materials scientists	,	49.25	102,450	47.98
Environmental scientists and geoscientists		41.10	85,480	36.34
Environmental scientists and specialists, including health		37.30	77,580	34.20
Geoscientists, except hydrologists and geographers		51.83	107,800	43.81
Hydrologists		39.81	82,790	38.16
Physical scientists, all other		52.93 41.30	110,090 85,900	51.55
Social scientists and related workers		55.78	116,020	37.81 50.16
Survey researchers		30.40	63,240	27.74
Psychologists		41.63	86,600	37.99
Clinical, counseling, and school psychologists		41.03	85,340	37.01
Industrial-organizational psychologists	. 780	52.42	109,030	46.76
Psychologists, all other		45.97	95,610	48.45
Sociologists		43.41	90,290	39.45
Urban and regional planners		36.65	76,240	35.12
Miscellaneous social scientists and related workers	,	41.02	85,320	38.68
Anthropologists and archeologists		31.40	65,310	30.01
Geographers Historians		38.72 31.91	80,530 66,380	38.60 29.40
Political scientists.		55.43	115,300	56.52
Social scientists and related workers, all other		41.22	85,750	39.11
Life, physical, and social science technicians	,	24.52	50,990	22.47
Agricultural and food science technicians		21.24	44,170	19.65
Biological technicians	77,450	23.10	48,060	21.39
Chemical technicians		24.84	51,670	23.15
Geological and petroleum technicians		30.23	62,890	25.62
Nuclear technicians		38.45	79,970	38.05
Social science research assistants		24.24	50,420	22.42
Miscellaneous life, physical, and social science technicians Environmental science and protection technicians, including health		24.38 24.21	50,720 50,350	22.54 22.20
Forensic science technicians.		30.05	62,490	27.99
Forest and conservation technicians.		19.28	40,110	17.88
Life, physical, and social science technicians, all other		25.45	52,940	23.88
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Community and social service occupations	2,171,820	23.69	49,280	21.62
Counselors, social workers, and other community and social service specialists		23.69	49,270	21.62
Counselors		24.96	51,920	22.98
Educational, guidance, school, and vocational counselors		28.93	60,160	27.07
Marriage and family therapists		26.03 19.20	54,150 39,930	24.08 17.13
Substance abuse, behavioral disorder, and mental health counselors		23.04	47,920	21.46
Counselors, all other		22.95	47,740	20.26
Social workers		25.51	53,060	23.79
Child, family, and school social workers	,	23.92	49,760	22.24
Healthcare social workers	168,190	28.11	58,470	27.02
Mental health and substance abuse social workers		23.86	49,630	21.56
Social workers, all other		30.12	62,660	30.35
Miscellaneous community and social service specialists		20.59	42,820	18.35
Health educators Probation officers and correctional treatment specialists		28.68 28.27	59,660 58,790	26.07 25.49
Social and human service assistants		20.27 17.22	35,830	25.49 16.22
Community health workers		20.90	43,480	19.01
Community and social service specialists, all other		22.14	46,050	20.49
Religious workers		23.94	49,790	21.62
Člergy	. 50,960	25.62	53,290	23.55
Directors, religious activities and education.		22.59	46,980	19.62
		47.04	25.000	14.33
Religious workers, all other	. 8,460	17.24	35,860	14.33
	. 8,460	17.24	35,000	14.55

Table 1. National employment and wage data from the Occupational Employment Statistics survey by occupation, May 2018- Continued

Degal occupations Lawyers, judges, and related workers. Lawyers and judicial law clerks. Lawyers. Judicial law clerks. Judges, magistrates, and other judicial workers. Administrative law judges, adjudicators, and hearing officers. Arbitrators, mediators, and conciliators. Judges, magistrate judges, and magistrates. Legal support workers. Paralegals and legal assistants. Miscellaneous legal support workers. Court reporters. Title examiners, abstractors, and searchers. Legal support workers, all other. ducation, training, and library occupations Postsecondary teachers. Business teachers, postsecondary. Math and computer teachers, postsecondary. Mathematical science teachers, postsecondary. Architecture teachers, postsecondary. Architecture teachers, postsecondary. Life sciences teachers, postsecondary. Life sciences teachers, postsecondary. Biological science teachers, postsecondary. Biological science teachers, postsecondary. Biological science teachers, postsecondary. Agricultural sciences teachers, postsecondary. Biological science teachers, postsecondary. Agricultural sciences teachers, postsecondary. Architecture teachers, postsecondary. Agricultural sciences teachers, postsecondary. Biological science teachers, postsecondary. Armospheric, earth, marine, and space sciences teachers, postsecondary. Chemistry teachers, postsecondary. Environmental science teachers, postsecondary. Physics teachers, postsecondary.	642,750 16,350 49,040 14,280 6,240 28,520 419,770 309,940 109,820 14,490 52,180 43,150 8,779,780 1,517,100 84,230 83,690 32,430 51,250 44,420 6,880 37,530 64,660 10,810 51,770 2,070 52,160 11,020	\$52.25 67.23 68.33 69.34 28.63 52.49 48.66 34.98 26.20 29.19 30.00 24.70 34.34 27.22 (2) (2) (2) (2) (2) (2) (2) (2) (2) (\$108,690 139,850 142,130 144,230 59,540 109,170 101,210 72,760 121,130 56,130 60,710 62,390 51,380 71,420 \$5,190 103,330 90,650 96,200 87,140 111,450 99,320 113,680 96,110 90,890	\$38.85 56.68 57.00 58.13 25.74 52.05 48.00 29.94 64.39 24.72 24.49 25.40 27.48 22.66 28.33 23.89 (2) (2) (2) (2) (2) (2) (2) (2)
Lawyers, judges, and related workers. Lawyers and judicial law clerks. Judges, magistrates, and other judicial workers. Administrative law judges, adjudicators, and hearing officers. Arbitrators, mediators, and conciliators Judges, magistrate judges, and magistrates. Legal support workers. Paralegals and legal assistants. Miscellaneous legal support workers. Court reporters. Title examiners, abstractors, and searchers Legal support workers, all other. ducation, training, and library occupations Postsecondary teachers. Business teachers, postsecondary. Math and computer teachers, postsecondary. Mathematical science teachers, postsecondary. Engineering and architecture teachers, postsecondary. Architecture teachers, postsecondary. Engineering tachers, postsecondary. Life sciences teachers, postsecondary. Agricultural science teachers, postsecondary. Agricultural sciences teachers, postsecondary. Biological science teachers, postsecondary. Biological science teachers, postsecondary. Physical sciences teachers, postsecondary. Atmospheric, earth, marine, and space sciences teachers, postsecondary. Environmental science teachers, postsecondary. Physics teachers, postsecondary. Environmental science teachers, postsecondary. Physics teachers, postsecondary. Environmental science teachers, postsecondary. Physics teachers, postsecondary.	708,140 659,090 642,750 16,350 49,040 14,280 6,240 28,520 419,770 309,940 109,820 14,490 52,180 43,150 8,779,780 1,517,100 84,230 33,690 32,430 51,250 44,420 6,880 37,530 64,660 10,810 51,770 2,070 52,160 11,020	67.23 68.33 69.34 28.63 52.49 48.66 34.98 58.23 26.98 26.20 29.19 30.00 24.70 34.34 27.22 (?) (?) (?) (?) (?) (?) (?) (?)	139,850 142,130 144,230 59,540 109,170 101,210 72,760 121,130 56,130 54,500 60,710 62,390 51,380 71,420 56,620 85,190 103,330 90,650 96,200 87,140 111,450 99,320 113,680 96,110	56.68 57.00 58.13 25.74 52.05 48.00 29.94 64.39 24.72 24.48 25.4(27.48 22.66 28.33 23.89 (2) (2) (2) (2) (2) (2) (2) (2)
Lawyers, judges, and related workers. Lawyers and judicial law clerks. Judges, magistrates, and other judicial workers. Administrative law judges, adjudicators, and hearing officers. Arbitrators, mediators, and conciliators Judges, magistrate judges, and magistrates. Legal support workers. Paralegals and legal assistants. Miscellaneous legal support workers. Court reporters. Title examiners, abstractors, and searchers Legal support workers, all other. ducation, training, and library occupations Postsecondary teachers. Business teachers, postsecondary. Math and computer teachers, postsecondary. Mathematical science teachers, postsecondary. Engineering and architecture teachers, postsecondary. Architecture teachers, postsecondary. Engineering tachers, postsecondary. Life sciences teachers, postsecondary. Agricultural science teachers, postsecondary. Agricultural sciences teachers, postsecondary. Biological science teachers, postsecondary. Biological science teachers, postsecondary. Physical sciences teachers, postsecondary. Atmospheric, earth, marine, and space sciences teachers, postsecondary. Environmental science teachers, postsecondary. Physics teachers, postsecondary. Environmental science teachers, postsecondary. Physics teachers, postsecondary. Environmental science teachers, postsecondary. Physics teachers, postsecondary.	708,140 659,090 642,750 16,350 49,040 14,280 6,240 28,520 419,770 309,940 109,820 14,490 52,180 43,150 8,779,780 1,517,100 84,230 33,690 32,430 51,250 44,420 6,880 37,530 64,660 10,810 51,770 2,070 52,160 11,020	67.23 68.33 69.34 28.63 52.49 48.66 34.98 58.23 26.98 26.20 29.19 30.00 24.70 34.34 27.22 (?) (?) (?) (?) (?) (?) (?) (?)	139,850 142,130 144,230 59,540 109,170 101,210 72,760 121,130 56,130 54,500 60,710 62,390 51,380 71,420 56,620 85,190 103,330 90,650 96,200 87,140 111,450 99,320 113,680 96,110	56.68 57.00 58.13 25.74 52.05 48.00 29.94 64.38 24.72 24.48 25.4(27.48 22.66 28.33 23.89 (2) (2) (2) (2) (2) (2) (2) (2)
Lawyers Judicial law clerks Judges, magistrates, and other judicial workers Administrative law judges, adjudicators, and hearing officers Arbitrators, mediators, and conciliators Judges, magistrate judges, and magistrates Legal support workers Paralegals and legal assistants Miscellaneous legal support workers Court reporters Title examiners, abstractors, and searchers Legal support workers, all other ducation, training, and library occupations Postsecondary teachers Business teachers, postsecondary Math and computer teachers, postsecondary Computer science teachers, postsecondary Mathematical science teachers, postsecondary Engineering and architecture teachers, postsecondary Engineering teachers, postsecondary Life sciences teachers, postsecondary Agricultural sciences teachers, postsecondary Agricultural sciences teachers, postsecondary Physical sciences teachers, postsecondary Physical sciences teachers, postsecondary Atmospheric, earth, marine, and space sciences teachers, postsecondary. Atmospheric, earth, marine, and space sciences teachers, postsecondary. Chemistry teachers, postsecondary Physics teachers, postsecondary	642,750 16,350 49,040 14,280 6,240 28,520 419,770 309,940 19,820 14,490 52,180 43,150 8,779,780 1,517,100 84,230 83,690 32,430 51,250 44,420 6,880 37,530 64,660 10,810 51,770 2,070 52,160 11,020	69.34 28.63 52.49 48.66 34.98 58.23 26.98 26.20 29.19 30.00 24.70 34.34 27.22 (2) (2) (2) (2) (2) (2) (2) (2) (2) (144,230 59,540 109,170 101,210 72,760 121,130 56,130 54,500 60,710 62,390 51,380 71,420 56,620 85,190 103,330 90,650 96,200 87,140 111,450 99,320 113,680 96,110	58.13 25.74 52.05 48.00 29.94 64.33 24.72 24.44 25.40 27.48 22.66 28.33 23.89 (2) (2) (2) (2) (2) (2) (2)
Judicial law clerks. Judges, magistrates, and other judicial workers. Administrative law judges, adjudicators, and hearing officers. Arbitrators, mediators, and conciliators Judges, magistrate judges, and magistrates. Legal support workers. Paralegals and legal assistants. Miscellaneous legal support workers Court reporters. Title examiners, abstractors, and searchers. Legal support workers, all other ducation, training, and library occupations Postsecondary teachers. Business teachers, postsecondary. Math and computer teachers, postsecondary. Mathematical science teachers, postsecondary. Mathematical science teachers, postsecondary. Engineering and architecture teachers, postsecondary. Engineering teachers, postsecondary. Life sciences teachers, postsecondary. Agricultural sciences teachers, postsecondary. Agricultural science teachers, postsecondary. Physical sciences teachers, postsecondary. Atmospheric, earth, marine, and space sciences teachers, postsecondary. Chemistry teachers, postsecondary. Environmental science teachers, postsecondary. Atmospheric, earth, marine, and space sciences teachers, postsecondary. Physical teachers, postsecondary. Environmental science teachers, postsecondary. Physics teachers, postsecondary. Physics teachers, postsecondary. Physics teachers, postsecondary.	16,350 49,040 14,280 6,240 28,520 419,770 309,940 109,820 14,490 52,180 43,150 8,779,780 1,517,100 84,230 83,690 32,430 51,250 44,420 6,880 37,530 64,660 10,810 51,770 2,070 52,160 11,020	28.63 52.49 48.66 34.98 58.23 26.98 26.20 29.19 30.00 24.70 34.34 27.22 (2) (2) (2) (2) (2) (2) (2) (2) (2) (59,540 109,170 101,210 72,760 121,130 56,130 54,500 60,710 62,390 51,380 71,420 56,620 85,190 103,330 90,650 96,200 87,140 111,450 99,320 113,680 96,110	25.74 52.05 48.00 29.94 64.39 24.72 24.48 25.40 27.48 22.66 28.33 23.89 (2) (2) (2) (2) (2) (2)
Judges, magistrates, and other judicial workers Administrative law judges, adjudicators, and hearing officers Arbitrators, mediators, and conciliators Judges, magistrate judges, and magistrates Legal support workers Paralegals and legal assistants Miscellaneous legal support workers Court reporters Title examiners, abstractors, and searchers Legal support workers, all other ducation, training, and library occupations Postsecondary teachers. Business teachers, postsecondary Math and computer teachers, postsecondary Computer science teachers, postsecondary Mathematical science teachers, postsecondary Engineering and architecture teachers, postsecondary Engineering teachers, postsecondary Life sciences teachers, postsecondary Agricultural science teachers, postsecondary Agricultural sciences teachers, postsecondary Forestry and conservation science teachers, postsecondary Physical sciences teachers, postsecondary Atmospheric, earth, marine, and space sciences teachers, postsecondary. Atmospheric, earth, marine, and space sciences teachers, postsecondary. Environmental science teachers, postsecondary Environmental science teachers, postsecondary Environmental science, beachers, postsecondary Physics teachers, postsecondary Physics teachers, postsecondary	49,040 14,280 6,240 28,520 419,770 309,940 109,820 14,490 52,180 43,150 8,779,780 1,517,100 84,230 83,690 32,430 51,250 44,420 6,880 37,530 64,660 10,810 51,770 2,070 52,160 11,020	52.49 48.66 34.98 58.23 26.98 26.20 29.19 30.00 24.70 34.34 27.22 (2) (2) (2) (2) (2) (2) (2) (2) (2) (109,170 101,210 72,760 121,130 56,130 54,500 60,710 62,390 51,380 71,420 56,620 85,190 103,330 90,650 96,200 87,140 111,450 99,320 113,680 96,110	52.05 48.00 29.94 64.38 24.72 24.48 25.4(27.48 22.66 28.33 23.89 (2) (2) (2) (2) (2) (2) (2) (2) (2) (2)
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Arbitrators, mediators, and conciliators. Judges, magistrate judges, and magistrates. Legal support workers. Paralegals and legal assistants. Miscellaneous legal support workers. Court reporters. Title examiners, abstractors, and searchers. Legal support workers, all other. ducation, training, and library occupations Postsecondary teachers. Business teachers, postsecondary. Math and computer teachers, postsecondary. Computer science teachers, postsecondary. Mathematical science teachers, postsecondary. Engineering and architecture teachers, postsecondary. Architecture teachers, postsecondary. Life sciences teachers, postsecondary. Agricultural science teachers, postsecondary. Agricultural sciences teachers, postsecondary. Biological science teachers, postsecondary. Physical sciences teachers, postsecondary. Atmospheric, earth, marine, and space sciences teachers, postsecondary. Atmospheric, earth, marine, and space sciences teachers, postsecondary. Chemistry teachers, postsecondary. Physical sciences teachers, postsecondary. Physical sciences teachers, postsecondary. Physics teachers, postsecondary.	6,240 28,520 419,770 309,940 109,820 14,490 52,180 43,150 8,779,780 1,517,100 84,230 83,690 32,430 51,250 44,420 6,880 37,530 64,660 10,810 51,770 2,070 52,160 11,020	34.98 58.23 26.98 26.20 29.19 30.00 24.70 34.34 27.22 (2) (2) (2) (2) (2) (2) (2) (2) (2) (2)	72,760 121,130 56,130 54,500 60,710 62,390 51,380 71,420 56,620 85,190 103,330 90,650 96,200 87,140 111,450 99,320 113,680 96,110	29.94 64.38 24.72 24.44 25.40 27.48 22.66 28.33 23.89 (2) (2) (2) (2) (2) (2) (2) (2) (2) (2)
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Legal support workers. Paralegals and legal assistants. Miscellaneous legal support workers. Court reporters. Title examiners, abstractors, and searchers Legal support workers, all other ducation, training, and library occupations Postsecondary teachers. Business teachers, postsecondary. Math and computer teachers, postsecondary. Computer science teachers, postsecondary. Mathematical science teachers, postsecondary. Engineering and architecture teachers, postsecondary. Architecture teachers, postsecondary. Life sciences teachers, postsecondary. Life sciences teachers, postsecondary. Agricultural science teachers, postsecondary. Physical science teachers, postsecondary. Atmospheric, earth, marine, and space sciences teachers, postsecondary. Atmospheric, earth, marine, and space sciences teachers, postsecondary. Environmental science teachers, postsecondary. Physics teachers, postsecondary. Environmental science teachers, postsecondary. Physics teachers, postsecondary.	419,770 309,940 109,820 14,490 52,180 43,150 8,779,780 1,517,100 84,230 83,690 32,430 51,250 44,420 6,880 37,530 64,660 10,810 51,770 2,070 52,160 11,020	26.98 26.20 29.19 30.00 24.70 34.34 27.22 (2) (2) (2) (2) (2) (2) (2) (2) (2) (56,130 54,500 60,710 62,390 51,380 71,420 56,620 85,190 103,330 90,650 96,200 87,140 111,450 99,320 113,680 96,110	24.72 24.44 25.44 27.48 22.66 28.33 23.89 (2 (2 (2 (2 (2 (2 (2 (2 (2 (2 (2 (2 (2
Paralegals and legal assistants. Miscellaneous legal support workers. Court reporters. Title examiners, abstractors, and searchers. Legal support workers, all other	309,940 109,820 14,490 52,180 43,150 8,779,780 1,517,100 84,230 83,690 32,430 51,250 44,420 6,880 37,530 64,660 10,810 51,770 2,070 52,160 11,020	26.20 29.19 30.00 24.70 34.34 27.22 (2) (2) (2) (2) (2) (2) (2) (2) (2) (2)	54,500 60,710 62,390 51,380 71,420 56,620 85,190 103,330 90,650 96,200 87,140 111,450 99,320 113,680 96,110	24.49 25.4(27.48 22.66 28.33 23.89 (²) (²) (²) (²)
Miscellaneous legal support workers. Court reporters. Title examiners, abstractors, and searchers. Legal support workers, all other	109,820 14,490 52,180 43,150 8,779,780 1,517,100 84,230 83,690 32,430 51,250 44,420 6,880 37,530 64,660 10,810 51,770 2,070 52,160 11,020	29.19 30.00 24.70 34.34 27.22 (2) (2) (2) (2) (2) (2) (2) (2) (2) (60,710 62,390 51,380 71,420 56,620 85,190 103,330 90,650 96,200 87,140 111,450 99,320 113,680 96,110	25.4(27.48 22.66 28.33 23.89 (2 (2) (2) (2) (2) (2) (2)
Court reporters. Title examiners, abstractors, and searchers. Legal support workers, all other. ducation, training, and library occupations Postsecondary teachers. Business teachers, postsecondary. Math and computer teachers, postsecondary. Computer science teachers, postsecondary. Mathematical science teachers, postsecondary. Engineering and architecture teachers, postsecondary. Engineering and architecture teachers, postsecondary. Life sciences teachers, postsecondary. Architecture teachers, postsecondary. Life sciences teachers, postsecondary. Agricultural sciences teachers, postsecondary. Forestry and conservation science teachers, postsecondary. Physical sciences teachers, postsecondary. Atmospheric, earth, marine, and space sciences teachers, postsecondary. Chemistry teachers, postsecondary. Environmental science teachers, postsecondary. Physics teachers, postsecondary. Environmental science teachers, postsecondary. Physics teachers, postsecondary.	14,490 52,180 43,150 8,779,780 1,517,100 84,230 83,690 32,430 51,250 44,420 6,880 37,530 64,660 10,810 51,770 2,070 52,160 11,020	30.00 24.70 34.34 27.22 (2) (2) (2) (2) (2) (2) (2) (2) (2) (62,390 51,380 71,420 56,620 85,190 103,330 90,650 96,200 87,140 111,450 99,320 113,680 96,110	27.46 22.66 28.33 23.85 (2 (2 (2 (2 (2 (2
Title examiners, abstractors, and searchers. Legal support workers, all other	52,180 43,150 8,779,780 1,517,100 84,230 83,690 32,430 51,250 44,420 6,880 37,530 64,660 10,810 51,770 2,070 52,160 11,020	24.70 34.34 27.22 (2) (2) (2) (2) (2) (2) (2) (2) (2) (51,380 71,420 56,620 85,190 103,330 90,650 96,200 87,140 111,450 99,320 113,680 96,110	22.66 28.33 23.89 (2 (2 (2 (2 (2
Legal support workers, all other	43,150 8,779,780 1,517,100 84,230 83,690 32,430 51,250 44,420 6,880 37,530 64,660 10,810 51,770 2,070 52,160 11,020	34.34 27.22 (2) (2) (2) (2) (2) (2) (2) (2) (2) (71,420 56,620 85,190 103,330 90,650 96,200 87,140 111,450 99,320 113,680 96,110	28.33 23.89 (2 (2 (2 (2 (2 (2 (2 (2 (2 (2
Postsecondary teachers. Business teachers, postsecondary Math and computer teachers, postsecondary Computer science teachers, postsecondary Mathematical science teachers, postsecondary Engineering and architecture teachers, postsecondary Architecture teachers, postsecondary Engineering teachers, postsecondary Life sciences teachers, postsecondary Agricultural sciences teachers, postsecondary Biological science teachers, postsecondary Forestry and conservation science teachers, postsecondary Physical sciences teachers, postsecondary Atmospheric, earth, marine, and space sciences teachers, postsecondary. Chemistry teachers, postsecondary Environmental science teachers, postsecondary. Physics teachers, postsecondary	1,517,100 84,230 83,690 32,430 51,250 44,420 6,880 37,530 64,660 10,810 51,770 2,070 52,160 11,020	(2) (2) (2) (2) (2) (2) (2) (2) (2) (2)	85,190 103,330 90,650 96,200 87,140 111,450 99,320 113,680 96,110	(2 (2 (2 (2 (2 (2
Business teachers, postsecondary. Math and computer teachers, postsecondary. Computer science teachers, postsecondary. Mathematical science teachers, postsecondary. Engineering and architecture teachers, postsecondary. Architecture teachers, postsecondary. Engineering teachers, postsecondary. Life sciences teachers, postsecondary. Agricultural sciences teachers, postsecondary. Biological science teachers, postsecondary. Forestry and conservation science teachers, postsecondary. Physical sciences teachers, postsecondary. Atmospheric, earth, marine, and space sciences teachers, postsecondary. Chemistry teachers, postsecondary. Environmental science teachers, postsecondary. Physics teachers, postsecondary. Physics teachers, postsecondary.	84,230 83,690 32,430 51,250 44,420 6,880 37,530 64,660 10,810 51,770 2,070 52,160 11,020	(2) (2) (2) (2) (2) (2) (2) (2) (2) (2)	103,330 90,650 96,200 87,140 111,450 99,320 113,680 96,110	(2 (2 (2 (2 (2
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Computer science teachers, postsecondary. Mathematical science teachers, postsecondary. Engineering and architecture teachers, postsecondary. Architecture teachers, postsecondary. Engineering teachers, postsecondary. Life sciences teachers, postsecondary. Agricultural sciences teachers, postsecondary. Biological science teachers, postsecondary. Forestry and conservation science teachers, postsecondary. Physical sciences teachers, postsecondary. Atmospheric, earth, marine, and space sciences teachers, postsecondary. Chemistry teachers, postsecondary. Environmental science teachers, postsecondary. Physics teachers, postsecondary.	32,430 51,250 44,420 6,880 37,530 64,660 10,810 51,770 2,070 52,160 11,020	(2) (2) (2) (2) (2) (2) (2) (2) (2) (2)	96,200 87,140 111,450 99,320 113,680 96,110	(2 (2 (2
Mathematical science teachers, postsecondary. Engineering and architecture teachers, postsecondary. Architecture teachers, postsecondary. Engineering teachers, postsecondary. Life sciences teachers, postsecondary. Agricultural sciences teachers, postsecondary. Biological science teachers, postsecondary. Forestry and conservation science teachers, postsecondary. Physical sciences teachers, postsecondary. Atmospheric, earth, marine, and space sciences teachers, postsecondary. Chemistry teachers, postsecondary. Environmental science teachers, postsecondary. Physics teachers, postsecondary.	51,250 44,420 6,880 37,530 64,660 10,810 51,770 2,070 52,160 11,020	(2) (2) (2) (2) (2) (2) (2) (2) (2)	87,140 111,450 99,320 113,680 96,110	(² (²
Engineering and architecture teachers, postsecondary. Architecture teachers, postsecondary. Engineering teachers, postsecondary. Life sciences teachers, postsecondary. Agricultural sciences teachers, postsecondary. Biological science teachers, postsecondary. Forestry and conservation science teachers, postsecondary. Physical sciences teachers, postsecondary. Atmospheric, earth, marine, and space sciences teachers, postsecondary. Chemistry teachers, postsecondary. Environmental science teachers, postsecondary. Physics teachers, postsecondary.	44,420 6,880 37,530 64,660 10,810 51,770 2,070 52,160 11,020	(2) (2) (2) (2) (2) (2) (2) (2)	111,450 99,320 113,680 96,110	(2
Architecture teachers, postsecondary. Engineering teachers, postsecondary. Life sciences teachers, postsecondary. Agricultural sciences teachers, postsecondary. Biological science teachers, postsecondary. Forestry and conservation science teachers, postsecondary. Physical sciences teachers, postsecondary. Atmospheric, earth, marine, and space sciences teachers, postsecondary. Chemistry teachers, postsecondary. Environmental science teachers, postsecondary. Physics teachers, postsecondary.	6,880 37,530 64,660 10,810 51,770 2,070 52,160 11,020	(2) (2) (2) (2) (2) (2)	99,320 113,680 96,110	(2
Engineering teachers, postsecondary Life sciences teachers, postsecondary Agricultural sciences teachers, postsecondary Biological science teachers, postsecondary Forestry and conservation science teachers, postsecondary Physical sciences teachers, postsecondary Atmospheric, earth, marine, and space sciences teachers, postsecondary. Chemistry teachers, postsecondary Environmental science teachers, postsecondary Physics teachers, postsecondary	37,530 64,660 10,810 51,770 2,070 52,160 11,020	(2) (2) (2) (2) (2)	113,680 96,110	, ,
Life sciences teachers, postsecondary. Agricultural sciences teachers, postsecondary. Biological science teachers, postsecondary. Forestry and conservation science teachers, postsecondary. Physical sciences teachers, postsecondary. Atmospheric, earth, marine, and space sciences teachers, postsecondary. Chemistry teachers, postsecondary. Environmental science teachers, postsecondary. Physics teachers, postsecondary.	64,660 10,810 51,770 2,070 52,160 11,020	(2) (2) (2) (2)	96,110	(2
Agricultural sciences teachers, postsecondary Biological science teachers, postsecondary Forestry and conservation science teachers, postsecondary Physical sciences teachers, postsecondary Atmospheric, earth, marine, and space sciences teachers, postsecondary Chemistry teachers, postsecondary Environmental science teachers, postsecondary Physics teachers, postsecondary	10,810 51,770 2,070 52,160 11,020	(2) (2) (2)		(2
Biological science teachers, postsecondary Forestry and conservation science teachers, postsecondary Physical sciences teachers, postsecondary Atmospheric, earth, marine, and space sciences teachers, postsecondary Chemistry teachers, postsecondary Environmental science teachers, postsecondary Physics teachers, postsecondary	51,770 2,070 52,160 11,020	(2) (2)	30,0301	(2
Physical sciences teachers, postsecondary. Atmospheric, earth, marine, and space sciences teachers, postsecondary. Chemistry teachers, postsecondary. Environmental science teachers, postsecondary. Physics teachers, postsecondary.	52,160 11,020	(2)	97,340	(2
Atmospheric, earth, marine, and space sciences teachers, postsecondary Chemistry teachers, postsecondary Environmental science teachers, postsecondary Physics teachers, postsecondary	11,020	(2)	92,550	(2
Chemistry teachers, postsecondary		(2)	97,280	(2
Environmental science teachers, postsecondary	21,370	(2)	101,890	(2
Physics teachers, postsecondary		(2)	92,360	(2
		(2)	91,330	(2
		(2)	103,830	(2
Social sciences teachers, postsecondary		(2)	92,440	(2
Anthropology and archeology teachers, postsecondary		(2)	94,080	(2
Area, ethnic, and cultural studies teachers, postsecondary		(2)	85,450	(2
Economics teachers, postsecondary		(2)	117,180	(2
Geography teachers, postsecondary		(2)	88,950	(2
Political science teachers, postsecondary		(2)	99,480	(2
Psychology teachers, postsecondary		(2) (2)	88,490 83,310	(2
Social sciences teachers, postsecondary, all other		(²)	87,950	(2
Health teachers, postsecondary		(²)	113,370	(2
Health specialties teachers, postsecondary		(2)	122,320	(2
Nursing instructors and teachers, postsecondary		(2)	81,350	(:
Education and library science teachers, postsecondary		(²)	73,800	(2
Education teachers, postsecondary		(2)	73,680	(2
Library science teachers, postsecondary		(2)	75,450	(2
Law, criminal justice, and social work teachers, postsecondary		(2)	96,110	(2
Criminal justice and law enforcement teachers, postsecondary		(2)	72,390	(2
Law teachers, postsecondary	16,990	(2)	130,710	(2
Social work teachers, postsecondary	12,620	(2)	77,520	(2
Arts, communications, and humanities teachers, postsecondary	260,960	(2)	80,670	(2
Art, drama, and music teachers, postsecondary		(2)	82,560	(2
Communications teachers, postsecondary		(2)	78,090	(2
English language and literature teachers, postsecondary		(2)	78,150	(2
Foreign language and literature teachers, postsecondary		(2)	79,160	(2
History teachers, postsecondary		(2)	83,990	(2
Philosophy and religion teachers, postsecondary		(2)	82,420	(2
Miscellaneous postsecondary teachers		(2)	60,200	(2
Graduate teaching assistants		(2)	36,390	(2
Home economics teachers, postsecondary		(2)	77,170	(2
Recreation and fitness studies teachers, postsecondary		(²) 28.14	72,190 58,520	25.5
Vocational education teachers, postsecondary Postsecondary teachers, all other		(2)	76,990	25.5
Preschool, primary, secondary, and special education school teachers		(2)	59,980	(2
Preschool and kindergarten teachers		19.26	40,070	16.3
Preschool teachers, except special education.		16.54	34,410	14.3
Kindergarten teachers, except special education		(2)	58,370	(2
Elementary and middle school teachers		(2)	62,150	(2
Elementary school teachers, except special education		(2)	62,200	(2
Middle school teachers, except special and career/technical education		(2)	62,030	(2
Career/technical education teachers, middle school		(2)	62,570	(2
Secondary school teachers		(2)	64,230	(3
Secondary school teachers, except special and career/technical education		(2)	64,340	(3
Career/technical education teachers, secondary school		(2)	62,810	(2
Special education teachers		(2)	63,890	(2
Special education teachers, preschool		(2)	61,610	(2
Special education teachers, kindergarten and elementary school		(2)	63,110	(2
Special education teachers, middle school		(2)	64,390	(2

Table 1. National employment and wage data from the Occupational Employment Statistics survey by occupation, May 2018- Continued

•		Mean v	/ages	Median
Occupation	Employment	Hourly	Annual ¹	hourly wages
Education, training, and library occupations (Continued)				
Special education teachers, secondary school	142,360	(2)	\$65,320	(2)
Special education teachers, all other	36,800	(2)	62,500	(2)
Other teachers and instructors		19.35	40,250	15.89
Adult basic and secondary education and literacy teachers and instructors		27.94	58,110	25.79
Self-enrichment education teachers		21.62	44,960	18.62
Miscellaneous teachers and instructors		18.19 15.56	37,840 32,360	14.83 13.79
Teachers and instructors, all other, except substitute teachers		(2)	48,040	(2
Librarians, curators, and archivists		24.66	51,290	23.08
Archivists, curators, and museum technicians		25.61	53,280	23.27
Archivists		27.12	56,400	25.11
Curators	12,280	28.12	58,490	25.86
Museum technicians and conservators		22.53	46,870	20.68
Librarians		29.58	61,530	28.39
Library technicians		17.34	36,080	16.3
Other education, training, and library occupations		(²)	34,110	(2
Audio-visual and multimedia collections specialists		25.13 25.33	52,270	23.85 23.96
Farm and home management advisors		25.33 32.45	52,700 67,490	30.98
Teacher assistants		(2)	28.750	(2
Education, training, and library workers, all other		22.44	46,680	20.23
Arts, design, entertainment, sports, and media occupations	1,951,170	28.74	59,780	23.70
Art and design workers		26.55	55,230	22.43
Artists and related workers		40.83	84,930	36.34
Art directors		50.29	104,590	44.60
Craft artists		19.47	40,490	16.46
Fine artists, including painters, sculptors, and illustrators		28.06	58,370	23.74
Multimedia artists and animators		37.61	78,230	34.87
Artists and related workers, all other		32.55	67,700	31.44
Designers	,	24.05 34.34	50,020 71,430	20.66 32.01
Commercial and industrial designersFashion designers		42.12	87,610	34.96
Floral designers		13.90	28,900	13.08
Graphic designers		26.29	54,680	24.21
Interior designers		28.42	59,120	25.66
Merchandise displayers and window trimmers		15.31	31,850	13.68
Set and exhibit designers		29.34	61,020	26.09
Designers, all other	8,450	32.99	68,610	29.12
Entertainers and performers, sports and related workers		28.80	59,900	20.64
Actors, producers, and directors		39.24	81,610	29.40
Actors		29.34	(2)	17.54
Producers and directors		43.19	89,840	34.46
Athletes, coaches, umpires, and related workers		(2)	45,080	(2)
Athletes and sports competitors		(2)	87,030	(2)
Umpires, referees, and other sports officials		(2) (2)	43,870 36,440	(2)
Dancers and choreographers		22.44	46,670	18.17
Dancers		20.70	(2)	16.31
Choreographers		25.75	53,560	22.98
Musicians, singers, and related workers		35.53	(2)	26.84
Music directors and composers	12,160	28.75	59,790	23.86
Musicians and singers		37.51	(2)	28.15
Entertainers and performers, sports and related workers, all other		21.53	(2)	15.94
Media and communication workers		31.72	65,980	27.66
Announcers		23.54	48,960	15.38
Radio and television announcers		24.82	51,630	15.97
Public address system and other announcers		18.77 29.10	39,040 60,530	13.33 20.91
News analysts, reporters and correspondents		44.23	91,990	32.15
Reporters and correspondents		26.70	55,530	19.84
Public relations specialists		32.90	68,440	28.85
Writers and editors		34.58	71,920	30.53
Editors		33.41	69,480	28.60
Technical writers		36.30	75,500	34.54
Writers and authors		35.14	73,090	29.89
Miscellaneous media and communication workers		26.20	54,490	23.84
Interpreters and translators		26.55	55,230	24.00
Media and communication workers, all other		25.21	52,430	23.24
Media and communication equipment workers		26.91	55,970	22.24
Broadcast and sound engineering technicians and radio operators		24.02	49,960	20.98
Audio and video equipment technicians		23.53	48,940	21.04
		22.48	46,770	19.27
Broadcast technicians	870	21.49	44,710	20.30
Radio operators			63,500	25.19
Radio operators	13,510	30.53		40.05
Radio operators	13,510 49,560	20.56	42,770	
Radio operators	13,510 49,560 49,240	20.56 36.58	42,770 76,090	16.35 28.36 26.24
Radio operators	13,510 49,560 49,240	20.56	42,770	

Table 1. National employment and wage data from the Occupational Employment Statistics survey by occupation, May 2018- Continued

		Mean w	ages	Median	
Occupation	Employment	Hourly	Annual ¹	hourly wages	
Arts, design, entertainment, sports, and media occupations (Continued)					
Film and video editors		\$41.75 37.06	\$86,830 77,080	\$30.12 38.26	
			,		
Healthcare practitioners and technical occupations Health diagnosing and treating practitioners	8,646,730 5,367,930	39.42 49.02	82,000 101,960	31.94 38.94	
Chiropractors	, , ,	41.28	85,870	34.33	
Dentists	128,060	86.82	180,590	75.12	
Dentists, general	· · · · · · · · · · · · · · · · · · ·	84.54	175,840	73.00	
Oral and maxillofacial surgeons Orthodontists		116.52 108.54	242,370 225,760	(3) (3)	
Prosthodontists	· · · · · · · · · · · · · · · · · · ·	92.02	191,400	84.88	
Dentists, all other specialists		85.96	178,800	70.66	
Dietitians and nutritionists		29.43	61,210	29.02	
OptometristsPharmacists		57.68 59.45	119,980 123,670	53.75 60.64	
Physicians and surgeons		101.43	210,980	(3)	
Anesthesiologists	· · · · · · · · · · · · · · · · · · ·	128.38	267,020	(3)	
Family and general practitioners		101.82	211,780	96.68	
Internists, general		94.47	196,490	93.51	
Obstetricians and gynecologists		114.58 88.10	238,320 183,240	(3) 82.00	
Pediatricians, generalPsychiatrists		105.95	220,380	62.00 (3)	
Surgeons		122.65	255,110	(3)	
Physicians and surgeons, all other		98.02	203,880	96.58	
Physician assistants		52.13	108,430	52.22	
Podiatrists		71.26 38.24	148,220	62.28	
Therapists Occupational therapists	· · · · · · · · · · · · · · · · · · ·	41.04	79,530 85,350	37.23 40.51	
Physical therapists		42.73	88,880	42.27	
Radiation therapists		41.70	86,730	39.58	
Recreational therapists		24.34	50,640	23.01	
Respiratory therapists		30.05 38.80	62,500 80,700	28.98 37.26	
Speech-language pathologists Exercise physiologists		26.33	54,760	23.69	
Therapists, all other		27.73	57,680	24.51	
Veterinarians	71,060	50.59	105,240	45.11	
Registered nurses		36.30	75,510	34.48	
Nurse anesthetists		84.03 51.40	174,790 106,910	80.75 49.89	
Nurse practitioners		52.90	110,030	51.46	
Audiologists		39.52	82,210	36.50	
Health diagnosing and treating practitioners, all other		41.16	85,600	35.56	
Health technologists and technicians.		23.26 25.91	48,380 53,880	21.49 25.16	
Clinical laboratory technologists and technicians Dental hygienists	· ·	36.30	75,500	35.97	
Diagnostic related technologists and technicians		31.38	65,260	30.60	
Cardiovascular technologists and technicians		28.24	58,730	27.33	
Diagnostic medical sonographers		35.51	73,860	34.86	
Nuclear medicine technologists		37.92	78,870	36.93	
Radiologic technologists		29.59 34.73	61,540 72,230	28.62 34.46	
Emergency medical technicians and paramedics		18.15	37,760	16.50	
Health practitioner support technologists and technicians		17.76	36,930	16.70	
Dietetic technicians		14.49	30,130	13.05	
Pharmacy technicians		16.35 18.15	34,020 37,760	15.72 15.80	
Psychiatric technicians	· ·	24.70	51,380	24.62	
Surgical technologists		23.58	49,040	22.74	
Veterinary technologists and technicians		17.10	35,560	16.55	
Ophthalmic medical technicians		18.38	38,220	17.56	
Licensed practical and licensed vocational nurses		22.62	47,050	22.23	
Medical records and health information technicians		21.16 19.20	44,010 39,930	19.40 17.80	
Miscellaneous health technologists and technicians	,	23.82	49,540	21.43	
Orthotists and prosthetists		35.51	73,860	33.23	
Hearing aid specialists		26.75	55,650	25.37	
Health technologists and technicians, all other		22.81	47,450	20.63	
Other healthcare practitioners and technical occupations		32.01 34.43	66,590 71,610	30.01 33.35	
Occupational health and safety specialists		36.03	74,940	35.11	
Occupational health and safety technicians	18,020	26.57	55,270	24.41	
Miscellaneous health practitioners and technical workers		27.89	58,000	24.35	
Athletic trainers		(2)	49,280	(2) 29 64	
Genetic counselors Healthcare practitioners and technical workers, all other		38.88 30.45	80,860 63,340	38.64 26.26	
Healthcare support occupations	4,117,450	15.57	32,380	14.30	
Nursing, psychiatric, and home health aides		13.55	28,180	12.89	
Nursing, psychiatric, and home health aides		13.55	28,180	12.89	

Table 1. National employment and wage data from the Occupational Employment Statistics survey by occupation, May 2018- Continued

		Mean w	ages	Median
Occupation	Employment	Hourly	Annual ¹	hourly wages
Healthcare support occupations (Continued)				
Home health aides		\$12.18	\$25,330	\$11.63
Psychiatric aides		14.95	31,090	14.03
Nursing assistants		14.22	29,580	13.72
Orderlies.		14.35	29,840 50,130	13.49 24.86
Occupational therapy and physical therapist assistants and aides Occupational therapy assistants and aides		24.10 27.00	56,150	27.70
Occupational therapy assistants and aides		29.04	60,410	28.95
Occupational therapy aides		15.66	32,580	13.54
Physical therapist assistants and aides		23.07	47,980	23.12
Physical therapist assistants		27.77	57,750	27.9
Physical therapist aides	47,260	13.70	28,500	12.62
Other healthcare support occupations		17.55	36,500	16.7
Massage therapists		22.06	45,880	19.9
Miscellaneous healthcare support occupations		17.23	35,830	16.6
Dental assistants.		19.12	39,770	18.59
Medical assistants		16.61	34,540	16.16
Medical equipment preparers		18.27	37,990	17.42 16.72
Medical transcriptionists		17.48 14.03	36,350 29,190	12.72
Pharmacy aides Veterinary assistants and laboratory animal caretakers		13.79	28,690	13.24
Phlebotomists		17.10	35,560	16.58
Healthcare support workers, all other		18.80	39,110	18.19
. Isaa sara aapport montoro, an atrior		10.50	33,110	10.13
Protective service occupations	3,437,410	23.36	48,580	19.54
Supervisors of protective service workers		36.72	76,380	33.92
First-line supervisors of law enforcement workers		41.51	86,350	39.35
First-line supervisors of correctional officers		32.86	68,350	30.45
First-line supervisors of police and detectives		44.76	93,100	42.80
First-line supervisors of fire fighting and prevention workers		38.61	80,310	36.70
First-line supervisors of protective service workers, all other		25.35	52,730	23.87
Fire fighting and prevention workers		25.78	53,630	24.0 ² 23.85
FirefightersFire inspectors		25.60 29.82	53,240 62,030	28.94
Fire inspectors and investigators.		30.84	64,140	30.05
Forest fire inspectors and prevention specialists		23.85	49,610	19.04
Law enforcement workers		29.42	61,190	26.81
Bailiffs, correctional officers, and jailers		23.71	49,320	21.35
Bailiffs		23.97	49,870	22.00
Correctional officers and jailers		23.70	49,300	21.31
Detectives and criminal investigators	103,450	40.88	85,020	39.38
Fish and game wardens	6,040	28.49	59,260	27.75
Parking enforcement workers		20.29	42,200	19.15
Police officers		31.47	65,460	29.56
Police and sheriff's patrol officers		31.44	65,400	29.5
Transit and railroad police		35.79	74,450	35.59
Other protective service workers		15.59	32,430	13.76
Animal control workers		18.51	38,490	17.47
Private detectives and investigators.		27.31	56,810	24.08
Security guards and gaming surveillance officers		15.43 17.41	32,090 36,200	13.72 15.7
Security guards		15.41	32,050	13.70
Miscellaneous protective service workers		15.06	31,330	13.7
Crossing guards		15.37	31,970	13.92
Lifequards, ski patrol, and other recreational protective service workers		11.74	24,420	10.77
Transportation security screeners		20.13	41,860	19.9
Protective service workers, all other		16.66	34,650	14.77
Food preparation and serving related occupations	13,374,620	12.30	25,580	11.09
Supervisors of food preparation and serving workers		18.30	38,070	16.30
Supervisors of food preparation and serving workers		18.30	38,070	16.30
Chefs and head cooks		25.08	52,160	23.30
First-line supervisors of food preparation and serving workers		17.40	36,190	15.60
Cooks and food preparation workers		12.56 12.77	26,120 26,560	11.9 ⁻ 12.12
Cooks, fast food	, ,	10.89	22,650	12.1.
Cooks, last lood		13.60	28,290	12.9
Cooks, private household	,	19.83	41,240	18.0
Cooks, restaurant		13.26	27,580	12.7
Cooks, short order		12.09	25,140	11.4
Cooks, all other	/	14.60	30,360	13.7
Food preparation workers		11.94	24,830	11.4
Food and beverage serving workers		11.51	23,940	10.4
Bartenders		12.88	26,780	10.8
Fast food and counter workers		10.70	22,260	10.3
	3,676,180	10.64	22,140	10.2
Combined food preparation and serving workers, including fast food				407
Counter attendants, cafeteria, food concession, and coffee shop		11.17	23,240	
		11.17 12.42 12.01	23,240 25,830 24,980	10.74 10.47 11.20

Table 1. National employment and wage data from the Occupational Employment Statistics survey by occupation, May 2018- Continued

Occupation	Employment	Mean w	ages	Median
Occupation	Employment	Hourly	Annual ¹	hourly wages
Food preparation and serving related occupations (Continued)				
Other food preparation and serving related workers	1,433,400	\$11.32	\$23,540	\$10.81
Dining room and cafeteria attendants and bartender helpers		11.52	23,950	10.71
Dishwashers		11.15	23,190	10.93
Hosts and hostesses, restaurant, lounge, and coffee shop		11.18 12.23	23,260 25,430	10.65 11.47
Building and grounds cleaning and maintenance occupations Supervisors of building and grounds cleaning and maintenance workers	4,421,980 255,580	14.43 22.30	30,020 46,380	12.91 20.82
First-line supervisors of building and grounds cleaning and maintenance workers		22.30	46,380	20.82
First-line supervisors of housekeeping and janitorial workers		20.75	43,150	19.20
First-line supervisors of landscaping, lawn service, and groundskeeping workers		24.66	51,280	23.18
Building cleaning and pest control workers		13.56	28,200	12.17
Building cleaning workers	3,094,210	13.44	27,960	12.10
Janitors and cleaners, except maids and housekeeping cleaners		13.92	28,950	12.55
Maids and housekeeping cleaners		12.30	25,570	11.43
Building cleaning workers, all other		15.73	32,710	14.07
Pest control workers		18.24	37,950	17.12
Grounds maintenance workers		15.19	31,600	14.13
Grounds maintenance workers		15.19	31,600	14.13
Landscaping and groundskeeping workers		14.88 18.37	30,940 38,210	13.94 16.98
Pesticide handlers, sprayers, and applicators, vegetation Tree trimmers and pruners		19.47	40,510	18.36
Grounds maintenance workers, all other		17.17	35,710	14.63
Personal care and service occupations	5,451,330	13.51	28,090	11.74
Supervisors of personal care and service workers		20.53	28,090 42,710	18.92
First-line supervisors of gaming workers		24.16	50.250	23.76
First-line supervisors of personal service workers		20.05	41,710	18.46
Animal care and service workers		12.76	26.540	11.51
Animal trainers		16.95	35,260	14.08
Nonfarm animal caretakers		12.45	25,890	11.42
Entertainment attendants and related workers	. 601,890	11.56	24,050	10.66
Gaming services workers		11.65	24,240	10.07
Gaming dealers		11.09	23,070	9.68
Gaming and sports book writers and runners		13.29	27,640	11.74
Gaming service workers, all other		15.03	31,260	13.24
Motion picture projectionists		12.42	25,820	10.94
Ushers, lobby attendants, and ticket takers		11.35	23,610	10.70
Miscellaneous entertainment attendants and related workers		11.61 11.28	24,140 23,460	10.78 10.70
Costume attendants		22.12	46,010	19.80
Locker room, coatroom, and dressing room attendants		12.84	26,720	11.55
Entertainment attendants and related workers, all other		14.27	29,690	11.68
Funeral service workers		19.77	41,130	16.30
Embalmers		22.42	46,640	21.27
Funeral attendants	35,340	13.69	28,480	12.69
Morticians, undertakers, and funeral directors		27.70	57,620	25.31
Personal appearance workers		14.44	30,040	11.94
Barbers, hairdressers, hairstylists and cosmetologists		14.59	30,340	11.94
Barbers		15.97	33,220	13.44
Hairdressers, hairstylists, and cosmetologists		14.51	30,190	11.89
Miscellaneous personal appearance workers		14.13	29,380	11.94
Makeup artists, theatrical and performance		34.63 12.43	72,030 25,860	30.89 11.70
Shampooers		10.65	22,160	10.40
Skincare specialists		17.48	36,350	15.05
Baggage porters, bellhops, and concierges		14.46	30,070	12.91
Baggage porters, bellhops, and concierges		14.46	30,070	12.91
Baggage porters and bellhops		12.98	26,990	11.64
Concierges	. 37,490	16.13	33,550	14.61
Tour and travel guides	. 49,740	14.25	29,630	12.77
Tour and travel guides		14.25	29,630	12.77
Other personal care and service workers		13.07	27,190	11.70
Childcare workers		11.83	24,610	11.17
Personal care aides		12.06	25,090	11.55
Recreation and fitness workers.	,	17.25	35,890 44,580	14.14
Fitness trainers and aerobics instructors		21.43 13.61	28.310	19.15 12.05
Residential advisors		14.41	29,970	13.39
Personal care and service workers, all other	58,970	13.59	28,270	12.59
Sales and related occupations	14,542,290	20.09	41,790	13.55
Supervisors of sales workers		24.97	51,930	20.84
First-line supervisors of sales workers		24.97	51,930	20.84
First-line supervisors of retail sales workers First-line supervisors of non-retail sales workers		21.67 40.67	45,080 84,600	19.05 35.29
		12.75	26,520	11.33
Retail sales workers		12.73	20,020	11.55
Retail sales workers		11.19	23,270	10.79

Table 1. National employment and wage data from the Occupational Employment Statistics survey by occupation, May 2018- Continued

Occupation	Employment	Mean w	ages	Media hourly
Оссирация	Employment	Hourly	Annual ¹	wage
es and related occupations (Continued)				
Gaming change persons and booth cashiers		\$13.09	\$27,220	\$1
Counter and rental clerks and parts salespersons		15.52	32,280	13
Counter and rental clerks		15.00	31,200	13
Parts salespersons		16.39	34,080	14
Retail salespersons		13.61	28,310	1
Sales representatives, services		34.37	71,490	26
Advertising sales agents		30.46	63,360	24
Insurance sales agents		32.64	67,890	24
Securities, commodities, and financial services sales agents		47.49 20.54	98,770	30
Travel agents			42,720	18
Sales representatives, services, all other		31.18 35.43	64,860 73,680	20
Sales representatives, wholesale and manufacturing		35.43	73,680	29
Sales representatives, wholesale and manufacturing, technical and scientific products		44.15	91,830	3
Sales representatives, wholesale and manufacturing, technical and scientific products		33.40	69,480	2
Other sales and related workers		24.70	51,380	1
Models, demonstrators, and product promoters		15.96	33,200	13
Demonstrators and product promoters		15.99	33,260	1:
Models		15.18	31,570	1.
Real estate brokers and sales agents.		31.37	65,240	24
Real estate brokers		37.95	78,940	2
Real estate sales agents.		29.67	78,940 61,720	2
Sales engineers		52.22	108,610	4
Telemarketers		13.72	28,550	1
Miscellaneous sales and related workers		19.19	39,910	1
Door-to-door sales workers, news and street vendors, and related workers.		16.40	34,120	1:
Sales and related workers, all other		19.46	40,480	1:
ice and administrative support occupations	21,828,990	18.75	38,990	1
Supervisors of office and administrative support workers	. 1,477,560	28.53	59,340	2
First-line supervisors of office and administrative support workers		28.53	59,340	2
Communications equipment operators	. 78,860	15.45	32,140	1
Switchboard operators, including answering service	71,600	15.04	31,290	1
Telephone operators	. 5,160	18.93	39,360	1
Communications equipment operators, all other		20.87	43,410	1
Financial clerks		19.07	39,660	1
Bill and account collectors		18.38	38,220	1
Billing and posting clerks		19.00	39,520	1
Bookkeeping, accounting, and auditing clerks		20.25	42,110	1
Gaming cage workers		13.93	28,980	1
Payroll and timekeeping clerks		22.17	46,110	2
Procurement clerks		20.76	43,180	2
Tellers	468,470	14.49	30,140	1
Financial clerks, all other		21.00	43,670	1
Information and record clerks		17.19	35,750	1
Brokerage clerks	. 55,100	25.93	53,940	2
Correspondence clerks		18.75	38,990	1
Court, municipal, and license clerks	. 142,350	19.76	41,100	1
Credit authorizers, checkers, and clerks	. 29,980	19.55	40,670	1
Customer service representatives	2,871,400	17.53	36,470	1
Eligibility interviewers, government programs	137,830	22.34	46,480	2
File clerks		16.25	33,810	1
Hotel, motel, and resort desk clerks		12.08	25,130	1
Interviewers, except eligibility and loan		17.08	35,520	1
Library assistants, clerical		13.92	28,960	1
Loan interviewers and clerks		19.86	41,310	1
New accounts clerks	. 41,500	17.79	37,000	1
Order clerks		17.21	35,790	1
Human resources assistants, except payroll and timekeeping		20.01	41,620	1
Receptionists and information clerks		14.59	30,350	1
Reservation and transportation ticket agents and travel clerks	. 132,050	20.06	41,730	1
Information and record clerks, all other	. 155,220	20.15	41,900	1
Material recording, scheduling, dispatching, and distributing workers	. 4,149,140	17.28	35,950	1
Cargo and freight agents	. 92,280	22.15	46,070	2
Couriers and messengers		14.72	30,620	1
Dispatchers		20.70	43,050	1
Police, fire, and ambulance dispatchers		20.81	43,290	1
Dispatchers, except police, fire, and ambulance		20.64	42,940	1
Meter readers, utilities		21.46	44,640	1
Postal service workers		24.78	51,540	2
Postal service clerks		24.45	50,860	2
Postal service mail carriers		24.89	51,780	2
		24.64	51,250	2
Postal service mail sorters, processors, and processing machine operators		24.05	50,020	2
		16.82	34,980	1
Production, planning, and expediting clerks	. 655,590			1
Production, planning, and expediting clerks		13.71	20.0201	
Production, planning, and expediting clerks	. 2,056,030	13.71 16.39	28,520 34,100	1
Production, planning, and expediting clerks	. 2,056,030 . 65,830		34,100 42,320	1
Production, planning, and expediting clerks	. 2,056,030 . 65,830 . 3,498,120	16.39	34,100	

Table 1. National employment and wage data from the Occupational Employment Statistics survey by occupation, May 2018- Continued

Occupation	Employment	Mean w	ages .	Median
Occupation	Employment	Hourly	Annual ¹	hourly wages
ffice and administrative support occupations (Continued)				
Legal secretaries.	. 176,880	\$24.06	\$50.040	\$22.29
Medical secretaries		17.83	37,090	17.19
Secretaries and administrative assistants, except legal, medical, and executive		18.28	38,030	17.61
Other office and administrative support workers	3,873,130	17.28	35,940	16.16
Computer operators	. 34,700	22.47	46,750	22.04
Data entry and information processing workers		17.05	35,470	16.24
Data entry keyers		16.22	33,740	15.47
Word processors and typists		19.79	41,160	19.11
Desktop publishers		22.47	46,750	20.63
Insurance claims and policy processing clerks		20.26	42,150	19.07
Mail clerks and mail machine operators, except postal service		15.41	32,040	14.63
Office clerks, general		16.92 16.60	35,200	15.74 15.76
Office machine operators, except computer		20.17	34,530 41,950	18.82
Proofreaders and copy markers		24.09	50,110	23.24
Office and administrative support workers, all other		18.02	37,480	16.76
arming, fishing, and forestry occupations	480,130	14.49	30,140	12.20
Supervisors of farming, fishing, and forestry workers		24.42	50,790	22.57
First-line supervisors of farming, fishing, and forestry workers		24.42	50,790	22.57
Agricultural workers		13.42	27,910	11.89
Agricultural inspectors	13,240	22.10	45,970	21.22
Animal breeders		20.71	43,080	17.82
Graders and sorters, agricultural products		12.74	26,510	11.75
Miscellaneous agricultural workers		13.12	27,290	11.83
Agricultural equipment operators		15.68	32,620	14.99
Farmworkers and laborers, crop, nursery, and greenhouse		12.72	26,450	11.69
Farmworkers, farm, ranch, and aquacultural animals		13.87	28,840	12.77
Agricultural workers, all other		16.51	34,340	14.18
Forest, conservation, and logging workers		19.47	40,500	18.64
Logging workers	,	15.06 20.36	31,320 42,340	13.20 19.54
Fallers		23.33	48,520	21.19
Logging equipment operators.		20.12	41,840	19.48
Log graders and scalers		18.78	39,060	18.38
Logging workers, all other	. 3,670	19.68	40,940	19.11
onstruction and extraction occupations	5,962,640	24.62	51,220	22.12
Supervisors of construction and extraction workers		33.91	70,540	31.36
First-line supervisors of construction trades and extraction workers		33.91	70,540	31.36
Construction trades workers		23.97	49,850	21.54
Boilermakers		30.41	63,240	29.88
Brickmasons, blockmasons, and stonemasons		25.39	52,810	23.78
Brickmasons and blockmasons.		26.17 21.33	54,430	24.49 19.82
Stonemasons Carpenters		24.58	44,370 51,120	22.40
Carpet, floor, and tile installers and finishers.		21.79	45,330	19.63
Carpet installers		21.42	44,550	18.92
Floor layers, except carpet, wood, and hard tiles		22.48	46,760	20.56
Floor sanders and finishers		19.18	39,890	18.04
Tile and marble setters		22.09	45,950	20.12
Cement masons, concrete finishers, and terrazzo workers		22.76	47,340	20.67
Cement masons and concrete finishers	. 186,400	22.76	47,350	20.67
Terrazzo workers and finishers	_'	22.71	47,230	20.43
Construction laborers	1,001,470	19.40	40,350	17.21
Construction equipment operators		25.09	52,190	22.59
Paving, surfacing, and tamping equipment operators	. 46,760	21.32	44,360	19.13
Pile-driver operators		30.94	64,360	28.21
Operating engineers and other construction equipment operators		25.50	53,030	22.98
Drywall installers, ceiling tile installers, and tapers		24.24	50,420	21.72
	. 101,900	23.64	49,170	21.03
Drywall and ceiling tile installers			57,340	26.48
Drywall and ceiling tile installers	. 18,320	27.57		26.53
Drywall and ceiling tile installers	. 18,320 655,840	28.46	59,190	20.04
Drywall and ceiling tile installers	. 18,320 655,840 50,940	28.46 23.38	48,620	
Drywall and ceiling tile installers Tapers. Electricians Glaziers. Insulation workers	. 18,320 655,840 50,940 56,440	28.46 23.38 22.55	48,620 46,910	20.15
Drywall and ceiling tile installers Tapers. Electricians Glaziers. Insulation workers Insulation workers, floor, ceiling, and wall	. 18,320 . 655,840 . 50,940 . 56,440 . 31,840	28.46 23.38 22.55 20.23	48,620 46,910 42,070	20.15 18.50
Drywall and ceiling tile installers Tapers. Electricians. Glaziers. Insulation workers Insulation workers, floor, ceiling, and wall. Insulation workers, mechanical	. 18,320 . 655,840 . 50,940 . 56,440 . 31,840 . 24,610	28.46 23.38 22.55 20.23 25.57	48,620 46,910 42,070 53,180	20.15 18.50 22.95
Drywall and ceiling tile installers. Tapers. Electricians. Glaziers. Insulation workers. Insulation workers, floor, ceiling, and wall. Insulation workers, mechanical. Painters and paperhangers.	. 18,320 . 655,840 . 50,940 . 56,440 . 31,840 . 24,610 . 231,200	28.46 23.38 22.55 20.23 25.57 20.69	48,620 46,910 42,070 53,180 43,030	20.15 18.50 22.95 18.72
Drywall and ceiling tile installers Tapers Electricians Glaziers Insulation workers. Insulation workers, floor, ceiling, and wall. Insulation workers, mechanical Painters and paperhangers Painters, construction and maintenance	. 18,320 . 655,840 . 50,940 . 56,440 . 31,840 . 24,610 . 231,200 . 228,420	28.46 23.38 22.55 20.23 25.57 20.69 20.70	48,620 46,910 42,070 53,180 43,030 43,050	20.15 18.50 22.95 18.72 18.72
Drywall and ceiling tile installers Tapers. Electricians Glaziers. Insulation workers. Insulation workers, floor, ceiling, and wall. Insulation workers, mechanical. Painters and paperhangers. Painters, construction and maintenance. Paperhangers.	. 18,320 . 655,840 . 50,940 . 56,440 . 31,840 . 24,610 . 231,200 . 228,420 . 2,780	28.46 23.38 22.55 20.23 25.57 20.69 20.70 19.64	48,620 46,910 42,070 53,180 43,030 43,050 40,840	20.15 18.50 22.95 18.72 18.72 18.31
Drywall and ceiling tile installers Tapers Electricians Glaziers Insulation workers. Insulation workers, floor, ceiling, and wall. Insulation workers, mechanical Painters and paperhangers Painters, construction and maintenance	. 18,320 . 655,840 . 50,940 . 56,440 . 31,840 . 24,610 . 231,200 . 228,420 . 2,780 . 476,140	28.46 23.38 22.55 20.23 25.57 20.69 20.70	48,620 46,910 42,070 53,180 43,030 43,050	20.15 18.50 22.95 18.72 18.72 18.31 25.33
Drywall and ceiling tile installers Tapers Electricians Glaziers Insulation workers Insulation workers, floor, ceiling, and wall Insulation workers, mechanical Painters and paperhangers Painters, construction and maintenance Paperhangers Pipelayers, plumbers, pipefitters, and steamfitters Pipelayers	. 18,320 655,840 50,940 . 56,440 31,840 . 24,610 . 231,200 . 228,420 . 2,780 476,140 . 38,070	28.46 23.38 22.55 20.23 25.57 20.69 20.70 19.64 27.39	48,620 46,910 42,070 53,180 43,030 43,050 40,840 56,980	20.15 18.50 22.95 18.72 18.72 18.31 25.33
Drywall and ceiling tile installers. Tapers. Electricians. Glaziers. Insulation workers. Insulation workers, floor, ceiling, and wall Insulation workers, mechanical. Painters and paperhangers. Painters, construction and maintenance. Paperhangers. Pipelayers, plumbers, pipefitters, and steamfitters.	. 18,320 . 655,840 . 50,940 . 56,440 . 31,840 . 24,610 . 231,200 . 228,420 . 2,780 . 476,140 . 38,070 . 438,070	28.46 23.38 22.55 20.23 25.57 20.69 20.70 19.64 27.39 20.91	48,620 46,910 42,070 53,180 43,030 43,050 40,840 56,980 43,500	20.15 18.50 22.95 18.72 18.72 18.31 25.33 18.54 25.92
Drywall and ceiling tile installers Tapers Electricians Glaziers Insulation workers. Insulation workers, floor, ceiling, and wall. Insulation workers, mechanical Painters and paperhangers. Painters, construction and maintenance Paperhangers. Pipelayers, plumbers, pipefitters, and steamfitters. Pipelayers. Plumbers, pipefitters, and steamfitters	. 18,320 . 655,840 . 50,940 . 56,440 . 31,840 . 24,610 . 231,200 . 228,420 . 2,780 . 476,140 . 38,070 . 438,070 . 438,070 . 24,870	28.46 23.38 22.55 20.23 25.57 20.69 20.70 19.64 27.39 20.91 27.96	48,620 46,910 42,070 53,180 43,030 43,050 40,840 56,980 43,500 58,150	20.15 18.50 22.95 18.72 18.72 18.31 25.33 18.54 25.92
Drywall and ceiling tile installers. Tapers. Electricians Glaziers. Insulation workers. Insulation workers, floor, ceiling, and wall. Insulation workers, mechanical. Painters and paperhangers. Painters, construction and maintenance. Paperhangers. Pipelayers, plumbers, pipefitters, and steamfitters Pipelayers. Pilumbers, pipefitters, and steamfitters. Plumbers, pipefitters, and steamfitters. Plasterers and stucco masons.	. 18,320 . 655,840 . 50,940 . 56,440 . 31,840 . 24,610 . 231,200 . 228,420 . 2,780 . 476,140 . 38,070 . 438,070 . 438,070 . 18,360	28.46 23.38 22.55 20.23 25.57 20.69 20.70 19.64 27.39 20.91 27.96 22.89	48,620 46,910 42,070 53,180 43,030 43,050 40,840 56,980 43,500 58,150 47,610	20.15 18.50 22.95 18.72 18.72 18.31 25.33 18.54 25.92 20.93 23.23
Drywall and ceiling tile installers. Tapers. Electricians. Glaziers. Insulation workers. Insulation workers, floor, ceiling, and wall. Insulation workers, mechanical. Painters and paperhangers. Painters, construction and maintenance. Paperhangers. Pipelayers, plumbers, pipefitters, and steamfitters. Pipelayers, pipefitters, and steamfitters. Plasterers and stucco masons. Reinforcing iron and rebar workers.	. 18,320 . 655,840 . 50,940 . 56,440 . 31,840 . 24,610 . 231,200 . 228,420 . 2,780 . 476,140 . 38,070 . 438,070 . 438,070 . 18,360 . 128,680 . 131,570	28.46 23.38 22.55 20.23 25.57 20.69 20.70 19.64 27.39 20.91 27.96 22.89 26.28	48,620 46,910 42,070 53,180 43,050 40,840 56,980 43,500 58,150 47,610 54,670	20.94 20.15 18.50 22.95 18.72 18.72 18.31 25.33 18.54 25.92 20.93 23.23 19.22 23.30

Table 1. National employment and wage data from the Occupational Employment Statistics survey by occupation, May 2018- Continued

	_	Mean w	rages	Median	
Occupation	Employment	Hourly	Annual ¹	hourly wages	
Construction and extraction occupations (Continued)					
Solar photovoltaic installers		\$22.12	\$46,010	\$20.52	
Helpers, construction trades		15.82	32,900	15.00	
Helpers, construction trades		15.82	32,900	15.00	
Helpersbrickmasons, blockmasons, stonemasons, and tile and marble setters		17.50	36,390	16.05	
Helperscarpenters		15.32	31,850	14.85	
Helperselectricians		15.84	32,960	15.10	
Helperspainters, paperhangers, plasterers, and stucco masons		15.25	31,720	14.40	
Helperspipelayers, plumbers, pipefitters, and steamfitters		15.66	32,570	14.89 14.61	
HelpersroofersHelpers, construction trades, all other		15.26 15.56	31,740 32,370	14.67	
Other construction and related workers		24.15	50,240	21.72	
Construction and building inspectors		30.36	63,150	28.70	
Elevator installers and repairers.		38.16	79,370	38.36	
Fence erectors.		18.10	37,650	16.73	
Hazardous materials removal workers	,	22.62	47,050	20.21	
Highway maintenance workers	,	19.92	41,440	19.08	
Rail-track laying and maintenance equipment operators		27.46	57,120	27.37	
Septic tank servicers and sewer pipe cleaners	,	19.97	41,530	18.74	
Miscellaneous construction and related workers	,	20.68	43,000	18.68	
Extraction workers	,	22.96	47,760	21.34	
Derrick, rotary drill, and service unit operators, oil, gas, and mining		25.46	52,950	23.36	
Derrick operators, oil and gas		22.90	47,630	22.17	
Rotary drill operators, oil and gas	,	27.28	56,740	25.86	
Service unit operators, oil, gas, and mining		25.38	52,780	23.01	
Earth drillers, except oil and gas		22.87	47,570	21.36	
Explosives workers, ordnance handling experts, and blasters		25.38	52,780	23.97	
Mining machine operators		25.53	53,090	25.34	
Continuous mining machine operators		26.19	54,470	26.21	
Mine cutting and channeling machine operators		23.59	49,080	22.68	
Mining machine operators, all other		25.44	52,920	24.76	
Rock splitters, quarry		17.19	35,760	16.71	
Roof bolters, mining	3,250	28.41	59,090	28.20	
Roustabouts, oil and gas	. 54,810	19.34	40,220	18.07	
Helpersextraction workers	. 15,930	18.10	37,660	17.48	
Extraction workers, all other	6,110	26.10	54,300	26.37	
Installation, maintenance, and repair occupations	5,628,880	23.54	48,960	21.89	
Supervisors of installation, maintenance, and repair workers		33.33	69,320	31.80	
First-line supervisors of mechanics, installers, and repairers		33.33	69,320	31.80	
Electrical and electronic equipment mechanics, installers, and repairers		25.57	53,190	24.53	
Computer, automated teller, and office machine repairers		19.65	40,880	18.50	
Radio and telecommunications equipment installers and repairers		27.42	57,030	26.93	
Radio, cellular, and tower equipment installers and repairers		27.09	56,340	26.39	
Telecommunications equipment installers and repairers, except line installers		27.44	57,080	26.97 25.27	
Miscellaneous electrical and electronic equipment mechanics, installers, and repairers		26.23 31.41	54,570 65.330	30.84	
Electric motor, power tool, and related repairers		22.00	45,770	20.60	
Electric flotor, power tool, and related repairers. Electrical and electronics installers and repairers, transportation equipment		29.55	61,460	29.01	
Electrical and electronics installers and repairers, transportation equipment		28.47	59,210	27.94	
Electrical and electronics repairers, commercial and industrial equipment Electrical and electronics repairers, powerhouse, substation, and relay		38.48	80,040	38.56	
Electronic equipment installers and repairers, motor vehicles		17.67	36,750	17.11	
Electronic equipment installers and repairers, motor venicles		19.13	39,800	18.35	
Security and fire alarm systems installers		23.34	48,540	22.69	
Vehicle and mobile equipment mechanics, installers, and repairers		22.21	46,200	20.83	
Aircraft mechanics and service technicians		31.36	65,230	30.25	
	- ,	21.17	44,030	19.63	
Automotive technicians and repairers		22.34	46,460	20.55	
Automotive technicians and repairers	142,060		36,370	16.43	
Automotive body and related repairers		17 491	43,730	19.57	
Automotive body and related repairers Automotive glass installers and repairers	19,640	17.49 21.02			
Automotive body and related repairers	19,640 . 648,050	21.02 23.63		22.70	
Automotive body and related repairers	19,640 . 648,050 264,860	21.02 23.63	49,150		
Automotive body and related repairers. Automotive glass installers and repairers. Automotive service technicians and mechanics. Bus and truck mechanics and diesel engine specialists. Heavy vehicle and mobile equipment service technicians and mechanics.	19,640 . 648,050 264,860 199,280	21.02 23.63 24.89	49,150 51,780	24.19	
Automotive body and related repairers Automotive glass installers and repairers Automotive service technicians and mechanics Bus and truck mechanics and diesel engine specialists. Heavy vehicle and mobile equipment service technicians and mechanics. Farm equipment mechanics and service technicians	19,640 648,050 264,860 199,280 . 34,300	21.02 23.63 24.89 20.29	49,150 51,780 42,190	24.19 19.54	
Automotive body and related repairers	19,640 . 648,050 264,860 199,280 . 34,300 . 140,260	21.02 23.63 24.89 20.29 25.66	49,150 51,780 42,190 53,370	24.19 19.54 24.96	
Automotive body and related repairers. Automotive glass installers and repairers Automotive service technicians and mechanics Bus and truck mechanics and diesel engine specialists Heavy vehicle and mobile equipment service technicians and mechanics. Farm equipment mechanics and service technicians Mobile heavy equipment mechanics, except engines. Rail car repairers	19,640 648,050 264,860 199,280 34,300 140,260 24,720	21.02 23.63 24.89 20.29 25.66 26.93	49,150 51,780 42,190	24.19 19.54 24.96 27.03	
Automotive body and related repairers. Automotive glass installers and repairers. Automotive service technicians and mechanics. Bus and truck mechanics and diesel engine specialists. Heavy vehicle and mobile equipment service technicians and mechanics. Farm equipment mechanics and service technicians. Mobile heavy equipment mechanics, except engines. Rail car repairers. Small engine mechanics.	. 19,640 . 648,050 . 264,860 . 199,280 . 34,300 . 140,260 . 24,720 . 69,130	21.02 23.63 24.89 20.29 25.66	49,150 51,780 42,190 53,370 56,020	24.19 19.54 24.96 27.03 17.82	
Automotive body and related repairers. Automotive glass installers and repairers Automotive service technicians and mechanics Bus and truck mechanics and diesel engine specialists Heavy vehicle and mobile equipment service technicians and mechanics. Farm equipment mechanics and service technicians Mobile heavy equipment mechanics, except engines. Rail car repairers	. 19,640 . 648,050 . 264,860 . 199,280 . 34,300 . 140,260 . 24,720 . 69,130 . 22,280	21.02 23.63 24.89 20.29 25.66 26.93 18.84	49,150 51,780 42,190 53,370 56,020 39,180	24.19 19.54 24.96 27.03 17.82 19.32	
Automotive body and related repairers. Automotive glass installers and repairers Automotive service technicians and mechanics. Bus and truck mechanics and diesel engine specialists. Heavy vehicle and mobile equipment service technicians and mechanics. Farm equipment mechanics and service technicians. Mobile heavy equipment mechanics, except engines. Rail car repairers Small engine mechanics. Motorboat mechanics and service technicians.	. 19,640 648,050 . 264,860 . 199,280 . 34,300 . 140,260 . 24,720 . 69,130 . 22,280 . 15,090	21.02 23.63 24.89 20.29 25.66 26.93 18.84 20.35	49,150 51,780 42,190 53,370 56,020 39,180 42,330	24.19 19.54 24.96 27.03 17.82 19.32	
Automotive body and related repairers. Automotive glass installers and repairers. Automotive service technicians and mechanics. Bus and truck mechanics and diesel engine specialists. Heavy vehicle and mobile equipment service technicians and mechanics. Farm equipment mechanics and service technicians. Mobile heavy equipment mechanics, except engines. Rail car repairers Small engine mechanics. Motorboat mechanics and service technicians. Motorcycle mechanics.	. 19,640 . 648,050 . 264,860 . 199,280 . 34,300 . 140,260 . 24,720 . 69,130 . 22,280 . 15,090 . 31,760	21.02 23.63 24.89 20.29 25.66 26.93 18.84 20.35 18.87	49,150 51,780 42,190 53,370 56,020 39,180 42,330 39,260	24.19 19.54 24.96 27.03 17.82 19.32 17.69	
Automotive body and related repairers. Automotive glass installers and repairers. Automotive service technicians and mechanics. Bus and truck mechanics and diesel engine specialists. Heavy vehicle and mobile equipment service technicians and mechanics. Farm equipment mechanics and service technicians. Mobile heavy equipment mechanics, except engines. Rail car repairers. Small engine mechanics. Motorboat mechanics and service technicians. Motorcycle mechanics. Outdoor power equipment and other small engine mechanics.	. 19,640 . 648,050 . 264,860 . 199,280 . 34,300 . 140,260 . 24,720 . 69,130 . 22,280 . 15,090 . 31,760 . 139,370	21.02 23.63 24.89 20.29 25.66 26.93 18.84 20.35 18.87 17.76	49,150 51,780 42,190 53,370 56,020 39,180 42,330 39,260 36,940	24.19 19.54 24.96 27.03 17.82 19.32 17.69 17.02	
Automotive body and related repairers. Automotive glass installers and repairers. Automotive service technicians and mechanics. Bus and truck mechanics and diesel engine specialists. Heavy vehicle and mobile equipment service technicians and mechanics. Farm equipment mechanics and service technicians. Mobile heavy equipment mechanics, except engines. Rail car repairers. Small engine mechanics. Motorboat mechanics and service technicians. Motorcycle mechanics. Outdoor power equipment and other small engine mechanics. Miscellaneous vehicle and mobile equipment mechanics, installers, and repairers.	. 19,640 . 648,050 . 264,860 . 199,280 . 34,300 . 140,260 . 24,720 . 69,130 . 22,280 . 15,090 . 31,760 . 31,760 . 139,370 . 12,200	21.02 23.63 24.89 20.29 25.66 26.93 18.84 20.35 18.87 17.76 14.80	49,150 51,780 42,190 53,370 56,020 39,180 42,330 39,260 36,940 30,780	24.19 19.54 24.96 27.03 17.82 19.32 17.69 17.02 13.84	
Automotive body and related repairers. Automotive glass installers and repairers. Automotive service technicians and mechanics. Bus and truck mechanics and diesel engine specialists. Heavy vehicle and mobile equipment service technicians and mechanics. Farm equipment mechanics and service technicians. Mobile heavy equipment mechanics, except engines. Rail car repairers. Small engine mechanics. Motorboat mechanics and service technicians. Motorcycle mechanics. Outdoor power equipment and other small engine mechanics. Miscellaneous vehicle and mobile equipment mechanics, installers, and repairers. Bicycle repairers.	. 19,640 648,050 . 264,860 . 199,280 . 34,300 . 140,260 . 24,720 . 69,130 . 22,280 . 15,090 . 31,760 . 139,370 . 12,200 . 15,560	21.02 23.63 24.89 20.29 25.66 26.93 18.84 20.35 18.87 17.76 14.80	49,150 51,780 42,190 53,370 56,020 39,180 42,330 39,260 36,940 30,780 30,290	24.19 19.54 24.96 27.03 17.82 17.69 17.02 13.84 13.92 18.35	
Automotive body and related repairers. Automotive glass installers and repairers. Automotive service technicians and mechanics. Bus and truck mechanics and diesel engine specialists. Heavy vehicle and mobile equipment service technicians and mechanics. Farm equipment mechanics and service technicians. Mobile heavy equipment mechanics, except engines. Rail car repairers Small engine mechanics. Motorboat mechanics and service technicians. Motorcycle mechanics. Outdoor power equipment and other small engine mechanics. Miscellaneous vehicle and mobile equipment mechanics, installers, and repairers. Bicycle repairers. Recreational vehicle service technicians.	. 19,640 . 648,050 . 264,860 . 199,280 . 34,300 . 140,260 . 24,720 . 69,130 . 22,280 . 15,090 . 31,760 . 139,370 . 12,200 . 15,560 . 111,620	21.02 23.63 24.89 20.29 25.66 26.93 18.84 20.35 18.87 17.76 14.80 14.56 19.28	49,150 51,780 42,190 53,370 56,020 39,180 42,330 39,260 36,940 30,780 30,290 40,090	24.19 19.54 24.96 27.03 17.82 19.32 17.69 17.02 13.84 13.92 18.35	
Automotive body and related repairers. Automotive glass installers and repairers. Automotive service technicians and mechanics. Bus and truck mechanics and diesel engine specialists. Heavy vehicle and mobile equipment service technicians and mechanics. Farm equipment mechanics and service technicians. Mobile heavy equipment mechanics, except engines. Rail car repairers Small engine mechanics. Motorboat mechanics and service technicians. Motorcycle mechanics. Outdoor power equipment and other small engine mechanics. Miscellaneous vehicle and mobile equipment mechanics, installers, and repairers. Bicycle repairers. Recreational vehicle service technicians. Tire repairers and changers.	. 19,640 . 648,050 . 264,860 . 199,280 . 34,300 . 140,260 . 24,720 . 69,130 . 22,280 . 15,090 . 139,370 . 139,370 . 12,200 . 15,560 . 111,620 . 111,620 . 111,620	21.02 23.63 24.89 20.29 25.66 26.93 18.84 20.35 18.87 17.76 14.80 14.56 19.28	49,150 51,780 42,190 53,370 56,020 39,180 42,330 39,260 36,940 30,780 30,290 40,090 29,530	24.19 19.54 24.96 27.03 17.82 19.32 17.69 17.02 13.84 13.92 18.35 13.41	
Automotive body and related repairers. Automotive glass installers and repairers. Automotive service technicians and mechanics. Bus and truck mechanics and diesel engine specialists. Heavy vehicle and mobile equipment service technicians and mechanics. Farm equipment mechanics and service technicians. Mobile heavy equipment mechanics, except engines. Rail car repairers. Small engine mechanics. Motorboat mechanics and service technicians. Motorcycle mechanics and service technicians. Outdoor power equipment and other small engine mechanics. Miscellaneous vehicle and mobile equipment mechanics, installers, and repairers. Bicycle repairers. Recreational vehicle service technicians. Tire repairers and changers. Other installation, maintenance, and repair occupations.	. 19,640 . 648,050 . 264,860 . 199,280 . 34,300 . 140,260 . 24,720 . 69,130 . 22,280 . 15,090 . 31,760 . 139,370 . 12,200 . 15,560 . 111,620 . 2,959,670 . 74,400	21.02 23.63 24.89 20.29 25.66 26.93 18.84 20.35 18.87 17.76 14.80 14.56 19.28 14.20 22.30	49,150 51,780 42,190 53,370 56,020 39,180 42,330 39,260 36,940 30,290 40,090 29,530 46,380	24.19 19.54 24.96 27.03 17.82 19.32 17.69 17.02 13.84 13.92 18.35 13.41 20.68	
Automotive body and related repairers. Automotive glass installers and repairers. Automotive service technicians and mechanics. Bus and truck mechanics and diesel engine specialists. Heavy vehicle and mobile equipment service technicians and mechanics Farm equipment mechanics and service technicians. Mobile heavy equipment mechanics, except engines. Rail car repairers. Small engine mechanics. Motorboat mechanics and service technicians. Motorcycle mechanics. Outdoor power equipment and other small engine mechanics. Miscellaneous vehicle and mobile equipment mechanics, installers, and repairers. Bicycle repairers. Recreational vehicle service technicians. Tire repairers and changers. Other installation, maintenance, and repair occupations. Control and valve installers and repairers.	. 19,640 . 648,050 . 264,860 . 199,280 . 34,300 . 140,260 . 24,720 . 69,130 . 22,280 . 15,090 . 139,370 . 139,370 . 12,200 . 15,560 . 111,620 . 2,959,670 . 74,400 . 74,400 . 74,400 . 22,670	21.02 23.63 24.89 20.29 25.66 26.93 18.84 20.35 18.87 17.76 14.80 14.56 19.28 14.20 22.30 25.70	49,150 51,780 42,190 53,370 56,020 39,180 42,330 39,260 36,940 30,780 40,090 29,530 46,380 53,460	24.19 19.54 24.96 27.03 17.82 19.32 17.69 17.02 13.84 13.92 18.35 13.41 20.68 23.89	
Automotive body and related repairers. Automotive glass installers and repairers. Automotive service technicians and mechanics. Bus and truck mechanics and diesel engine specialists. Heavy vehicle and mobile equipment service technicians and mechanics. Farm equipment mechanics and service technicians. Mobile heavy equipment mechanics, except engines. Rail car repairers. Small engine mechanics. Motorboat mechanics and service technicians. Motorycle mechanics. Outdoor power equipment and other small engine mechanics. Miscellaneous vehicle and mobile equipment mechanics, installers, and repairers. Bicycle repairers. Recreational vehicle service technicians. Tire repairers and changers. Other installation, maintenance, and repair occupations. Control and valve installers and repairers. Mechanical door repairers.	. 19,640 . 648,050 . 264,860 . 199,280 . 34,300 . 140,260 . 24,720 . 69,130 . 22,280 . 15,090 . 31,760 . 139,370 . 12,200 . 15,560 . 111,620 . 29,59,670 . 74,400 . 22,670 . 51,730	21.02 23.63 24.89 20.29 25.66 26.93 18.84 20.35 18.87 17.76 14.80 14.56 19.28 14.20 22.30 25.70 20.84	49,150 51,780 42,190 53,370 56,020 39,180 42,330 39,260 36,940 30,780 40,090 29,530 46,380 53,460 43,350	22.76 24.19 19.54 24.96 27.03 17.82 19.32 17.69 17.02 13.84 13.92 18.35 13.41 20.68 23.89 19.71 26.96	
Automotive body and related repairers. Automotive glass installers and repairers. Automotive service technicians and mechanics. Bus and truck mechanics and diesel engine specialists. Heavy vehicle and mobile equipment service technicians and mechanics. Farm equipment mechanics and service technicians. Mobile heavy equipment mechanics, except engines. Rail car repairers. Small engine mechanics Motorboat mechanics and service technicians. Motorboat mechanics. Outdoor power equipment and other small engine mechanics. Miscellaneous vehicle and mobile equipment mechanics, installers, and repairers. Bicycle repairers. Recreational vehicle service technicians. Tire repairers and changers. Other installation, maintenance, and repair occupations. Control and valve installers and repairers. Mechanical door repairers. Control and valve installers and repairers, except mechanical door. Heating, air conditioning, and refrigeration mechanics and installers. Home appliance repairers.	. 19,640 . 648,050 . 264,860 . 199,280 . 34,300 . 140,260 . 24,720 . 69,130 . 22,280 . 15,090 . 31,760 . 139,370 . 12,200 . 15,560 . 111,620 . 2,959,670 . 74,400 . 22,670 . 51,730 . 3324,310 . 31,130	21.02 23.63 24.89 20.29 25.66 26.93 18.84 20.35 18.87 17.76 14.80 14.56 19.28 14.20 22.30 25.70 20.84 27.83 24.12	49,150 51,780 42,190 53,370 56,020 39,180 42,330 39,260 36,940 30,780 40,090 29,530 46,380 53,460 43,350 57,890 50,160 41,020	24.19 19.54 24.96 27.03 17.82 19.32 17.69 17.02 13.84 13.92 18.35 13.41 20.68 23.89 19.71 26.96 22.89 18.88	
Automotive body and related repairers. Automotive glass installers and repairers. Automotive service technicians and mechanics. Bus and truck mechanics and diesel engine specialists. Heavy vehicle and mobile equipment service technicians and mechanics. Farm equipment mechanics and service technicians. Mobile heavy equipment mechanics, except engines. Rail car repairers. Small engine mechanics Motorboat mechanics and service technicians. Motorboat mechanics. Outdoor power equipment and other small engine mechanics. Miscellaneous vehicle and mobile equipment mechanics, installers, and repairers. Bicycle repairers. Recreational vehicle service technicians. Tire repairers and changers. Other installation, maintenance, and repair occupations. Control and valve installers and repairers, except mechanical door. Heating, air conditioning, and refrigeration mechanics and installers. Home appliance repairers. Industrial machinery installation, repair, and maintenance workers.	. 19,640 . 648,050 . 264,860 . 199,280 . 34,300 . 140,260 . 24,720 . 69,130 . 22,280 . 15,090 . 31,760 . 139,370 . 12,200 . 15,560 . 111,620 . 2,959,670 . 74,400 . 22,670 . 51,730 . 324,310 . 31,130 . 487,640	21.02 23.63 24.89 20.29 25.66 26.93 18.84 20.35 18.87 17.76 14.80 14.56 19.28 14.20 22.30 25.70 20.84 27.83 24.12 19.72 25.64	49,150 51,780 42,190 53,370 56,020 39,180 42,330 39,260 36,940 30,780 40,090 29,530 46,380 53,460 43,350 57,890 50,160 41,020 53,330	24.19 19.54 24.96 27.03 17.82 19.32 17.69 17.02 13.84 13.92 18.35 13.41 20.68 23.89 19.71 26.96 22.89 18.88	
Automotive body and related repairers. Automotive glass installers and repairers. Automotive service technicians and mechanics. Bus and truck mechanics and diesel engine specialists. Heavy vehicle and mobile equipment service technicians and mechanics. Farm equipment mechanics and service technicians. Mobile heavy equipment mechanics, except engines. Rail car repairers. Small engine mechanics Motorboat mechanics and service technicians. Motorboat mechanics. Outdoor power equipment and other small engine mechanics. Miscellaneous vehicle and mobile equipment mechanics, installers, and repairers. Bicycle repairers. Recreational vehicle service technicians. Tire repairers and changers. Other installation, maintenance, and repair occupations. Control and valve installers and repairers. Mechanical door repairers. Control and valve installers and repairers, except mechanical door. Heating, air conditioning, and refrigeration mechanics and installers. Home appliance repairers.	. 19,640 . 648,050 . 264,860 . 199,280 . 34,300 . 140,260 . 24,720 . 69,130 . 22,280 . 15,090 . 31,760 . 139,370 . 12,200 . 15,560 . 111,620 . 2,959,670 . 74,400 . 22,670 . 51,730 . 324,310 . 31,130 . 487,640	21.02 23.63 24.89 20.29 25.66 26.93 18.84 20.35 18.87 17.76 14.80 14.56 19.28 14.20 22.30 25.70 20.84 27.83 24.12	49,150 51,780 42,190 53,370 56,020 39,180 42,330 39,260 36,940 30,780 40,090 29,530 46,380 53,460 43,350 57,890 50,160 41,020	24.19 19.5- 24.96 27.00 17.85 19.32 17.66 17.00 13.8- 13.92 18.33 13.44 20.66 23.88 19.77 26.98 22.88 18.81	

Table 1. National employment and wage data from the Occupational Employment Statistics survey by occupation, May 2018- Continued

Occupation		Mean w	ages	Median
Occupation	Employment	Hourly	Annual ¹	hourly wages
nstallation, maintenance, and repair occupations (Continued)				
Maintenance workers, machinery		\$23.42	\$48,720	\$22.6
Millwrights		27.04	56,250	26.4
Refractory materials repairers, except brickmasons		25.24	52,510	25.0
Line installers and repairers Electrical power-line installers and repairers		31.03 33.77	64,540 70,240	31.6 34.0
Telecommunications line installers and repairers		28.36	59,000	28.0
Precision instrument and equipment repairers		24.58	51,120	23.1
Camera and photographic equipment repairers		20.45	42,540	19.5
Medical equipment repairers	. 46,320	25.34	52,710	23.6
Musical instrument repairers and tuners		18.81	39,110	17.4
Watch repairers		21.55	44,830	19.1
Precision instrument and equipment repairers, all other		27.91	58,060	27.7
Maintenance and repair workers, general Wind turbine service technicians		19.72 27.88	41,020 58,000	18.4 26.1
Miscellaneous installation, maintenance, and repair workers		19.25	40,040	17.3
Coin, vending, and amusement machine servicers and repairers		17.49	36,390	16.6
Commercial divers		28.59	59,470	23.6
Fabric menders, except garment	. 400	16.13	33,550	14.7
Locksmiths and safe repairers		21.03	43,740	19.9
Manufactured building and mobile home installers		15.82	32,910	15.4
Riggers		24.68	51,330	24.2
Signal and track switch repairers		32.60	67,800	33.8
Helpersinstallation, maintenance, and repair workers		15.09	31,390	14.1
Installation, maintenance, and repair workers, all other	. 157,030	20.70	43,050	18.9
roduction occupations Supervisors of production workers	9,115,530 622,790	18.84 30.93	39,190	16.8 29.0
Supervisors of production workers		30.93	64,340 64,340	29.0 29.0
Assemblers and fabricators		17.14	35,650	15.7
Aircraft structure, surfaces, rigging, and systems assemblers		26.70	55,530	25.6
Electrical, electronics, and electromechanical assemblers		17.26	35,910	16.2
Coil winders, tapers, and finishers		17.60	36,610	16.5
Electrical, electronic, and electromechanical assemblers, except coil winders, tapers, and finishers		17.25	35,880	16.1
Engine and other machine assemblers		21.79	45,330	21.3
Structural metal fabricators and fitters		20.02	41,640	18.8
Miscellaneous assemblers and fabricators	1,376,130	16.49	34,300	15.1
Fiberglass laminators and fabricators		17.39	36,170	16.5
Timing device assemblers and adjusters		18.01	37,460	16.6
Assemblers and fabricators, all other, including team assemblers		16.48	34,270	15.1
Food processing workers		14.46 13.78	30,090 28,660	13.5 12.7
Bakers Butchers and other meat, poultry, and fish processing workers		14.38	29,910	13.6
Butchers and meat cutters		15.97	33,210	15.1
Meat, poultry, and fish cutters and trimmers		13.36	27,790	12.9
Slaughterers and meat packers		13.68	28,450	13.5
Miscellaneous food processing workers		15.07	31,340	13.9
Food and tobacco roasting, baking, and drying machine operators and tenders	21,060	15.74	32,730	14.8
Food batchmakers		15.43	32,090	14.2
Food cooking machine operators and tenders		15.23	31,690	14.4
Food processing workers, all other		13.26	27,590	12.4
Metal workers and plastic workers		19.94	41,480	18.7
Computer control programmers and operators		21.13	43,940	19.9
Computer-controlled machine tool operators, metal and plastic Computer numerically controlled machine tool programmers, metal and plastic	. 148,150 . 23,770	20.17 27.07	41,960 56,300	19.2 25.5
Forming machine setters, operators, and tenders, metal and plastic		18.35	38,170	17.5
Extruding and drawing machine setters, operators, and tenders, metal and plastic		17.61	36,620	16.9
Forging machine setters, operators, and tenders, metal and plastic		19.60	40,770	18.
Rolling machine setters, operators, and tenders, metal and plastic		19.61	40,790	18.
Machine tool cutting setters, operators, and tenders, metal and plastic		18.00	37,450	17.0
Cutting, punching, and press machine setters, operators, and tenders, metal and plastic	. 186,640	17.40	36,180	16.5
Drilling and boring machine tool setters, operators, and tenders, metal and plastic	. 11,400	19.95	41,490	18.2
metal and plastic	71,870	17.64	36,690	16.7
Lathe and turning machine tool setters, operators, and tenders, metal and plastic		19.76	41,090	18.8
Milling and planing machine setters, operators, and tenders, metal and plastic	. 19,440	21.39	44,490	20.
Machinists	384,350	21.75	45,250	20.
Metal furnace operators, tenders, pourers, and casters		19.79	41,160	19.
Metal-refining furnace operators and tenders		20.10	41,810	19.
Pourers and casters, metal		19.07	39,670	18.
Model makers and patternmakers, metal and plastic		25.69	53,430	24.8
Model makers, metal and plastic		27.36	56,920 47,130	26.9
Patternmakers, metal and plastic		22.66 16.44	47,130 34,200	22.0
Molders and molding machine setters, operators, and tenders, metal and plastic Foundry mold and coremakers		16.44 17.70	34,200 36,820	15.3 17.0
Molding, coremaking, and casting machine setters, operators, and tenders, metal and plastic		16.32	33,950	17.
Multiple machine tool setters, operators, and tenders, metal and plastic		18.03	37,510	17.
Tool and die makers		25.79	53,650	25.3
Welding, soldering, and brazing workers		21.12	43,930	19.7
U,		21.33	44,360	19.8
Welders, cutters, solderers, and brazers	. 389,190			

Table 1. National employment and wage data from the Occupational Employment Statistics survey by occupation, May 2018- Continued

Occupation	Employment	Mean wages		Median hourly
Cocupation		Hourly	Annual ¹	wage
luction occupations (Continued)				
Welding, soldering, and brazing machine setters, operators, and tenders		\$18.83	\$39,160	\$1
Miscellaneous metal workers and plastic workers		18.24	37,940	1
Heat treating equipment setters, operators, and tenders, metal and plastic	,	18.77	39,050	1
Layout workers, metal and plastic.		22.78	47,380	2
Plating and coating machine setters, operators, and tenders, metal and plastic		16.74	34,830	1
Tool grinders, filers, and sharpeners		19.66	40,890	1
Metal workers and plastic workers, all other		18.34 18.39	38,140 38,260	1
Printing workers		18.39	38,260	1
3	,	20.31	42,240	1
Prepress technicians and workers		18.49	38,470	1
Printing press operators				
Print binding and finishing workers		16.76 13.31	34,850	1
Textile, apparel, and furnishings workers		11.77	27,690 24,480	'
Laundry and dry-cleaning workers		11.57		'
Pressers, textile, garment, and related materials			24,060	
Sewing machine operators		12.98	26,990	1
Shoe and leather workers		14.37	29,900	1
Shoe and leather workers and repairers		14.33	29,800	1
Shoe machine operators and tenders		14.47	30,110	1
Tailors, dressmakers, and sewers		16.04	33,350	1
Sewers, hand		14.19	29,510	1
Tailors, dressmakers, and custom sewers		16.50	34,330	1
Textile machine setters, operators, and tenders		14.37	29,880	1
Textile bleaching and dyeing machine operators and tenders		14.39	29,930	1
Textile cutting machine setters, operators, and tenders		14.16 14.65	29,440 30,470	1
Textile knitting and weaving machine setters, operators, and tenders Textile winding, twisting, and drawing out machine setters, operators, and tenders			29,660	
	,	14.26		1
Miscellaneous textile, apparel, and furnishings workers		17.18	35,740	1
Extruding and forming machine setters, operators, and tenders, synthetic and glass fibers		17.07	35,500	1
Fabric and apparel patternmakers		23.65	49,180	1
Upholsterers		17.27	35,920	1
Textile, apparel, and furnishings workers, all other	,	14.94	31,070	1
Woodworkers		16.19	33,680	1
Cabinetmakers and bench carpenters	,	17.59	36,580	1
Furniture finishers		16.27	33,850	1
Model makers and patternmakers, wood	,	26.70	55,540	2
Model makers, wood		25.29	52,590	2
Patternmakers, wood		28.68	59,650	2
Woodworking machine setters, operators, and tenders		14.98	31,150	1
Sawing machine setters, operators, and tenders, wood		15.00	31,200	1
Woodworking machine setters, operators, and tenders, except sawing		14.96	31,110	1
Woodworkers, all other		16.60	34,530	1
Plant and system operators.		29.72 39.31	61,820 81,760	3
Power plant operators, distributors, and dispatchers Nuclear power reactor operators		45.82	95,310	2
Power distributors and dispatchers		41.03	85,340	2
		37.51	78,030	3
Power plant operators Stationary engineers and boiler operators		30.62	63,690	2
		23.79	49,490	2
Water and wastewater treatment plant and system operators	,	31.94	66,430	3
Miscellaneous plant and system operators	,	29.60	61,570	2
Chemical plant and system operators				3
Gas plant operatorsPetroleum pump system operators, refinery operators, and gaugers		34.36 33.96	71,470 70,630	3
Plant and system operators, all other	12 270	28.03	58,300	
Other production occupations		17.92	37,270	1
Chemical processing machine setters, operators, and tenders		23.30	48,470	2
Chemical equipment operators and tenders		24.55	51,070	2
Separating, filtering, clarifying, precipitating, and still machine setters, operators, and tenders		24.55	44,140	
Crushing, grinding, polishing, mixing, and blending workers		18.25	37,960	,
Crushing, grinding, and polishing machine setters, operators, and tenders		18.30	38,060	,
Grinding and polishing workers, hand		15.34	31,900	
Mixing and blending machine setters, operators, and tenders		18.92	39,360	,
Cutting workers		16.87	35,090	,
			,	
Cutters and trimmers, hand		15.19 17.16	31,600 35,700	2
Extruding, forming, pressing, and compacting machine setters, operators, and tenders		17.16	35,700	
		17.69		
Furnace, kiln, oven, drier, and kettle operators and tenders		20.20	40,610	1
Inspectors, testers, sorters, samplers, and weighers			42,010 43,570	1
Jewelers and precious stone and metal workers		20.95	43,570	1
Medical, dental, and ophthalmic laboratory technicians		19.15	39,840	1
Dental laboratory technicians.		20.76	43,180	1
Medical appliance technicians		20.28	42,180	
Ophthalmic laboratory technicians.		16.58	34,490	
Packaging and filling machine operators and tenders		15.74	32,740	1
Painting workers		19.16	39,850	1
Coating, painting, and spraying machine setters, operators, and tenders		17.55	36,510	1
Painters, transportation equipment		22.34	46,460	1
Painting, coating, and decorating workers		16.33	33,960	1
Semiconductor processors		19.14	39,810	1
Photographic process workers and processing machine operators		16.78	34,910	

Table 1. National employment and wage data from the Occupational Employment Statistics survey by occupation, May 2018- Continued

Occupation	Employment	Mean wages		Median	
		Hourly	Annual ¹	hourly wages	
Production occupations (Continued)					
Miscellaneous production workers	796,900	\$16.02	\$33,320	\$14.53	
Adhesive bonding machine operators and tenders		17.23	35,850	16.26	
Cleaning, washing, and metal pickling equipment operators and tenders		15.91	33,090	14.80	
Cooling and freezing equipment operators and tenders Etchers and engravers		16.60 16.61	34,520 34,550	15.58 15.06	
Molders, shapers, and casters, except metal and plastic		16.92	35,190	16.03	
Paper goods machine setters, operators, and tenders		19.38	40,320	18.62	
Tire builders		21.89	45,530	22.42	
Helpersproduction workers	,	14.12	29,380	13.33	
Production workers, all other		16.58	34,490	14.50	
Transportation and material moving occupations Supervisors of transportation and material moving workers	10,244,260 419,980	18.41 27.92	38,290 58,070	15.74 26.67	
Aircraft cargo handling supervisors		26.49	55,110	23.37	
First-line supervisors of transportation and material moving workers, except aircraft cargo handling supervisors	411,060	27.95	58,140	26.73	
Air transportation workers		(2)	101,910	(2)	
Aircraft pilots and flight engineers		(2)	146,660	(2)	
Airline pilots, copilots, and flight engineers	82,890	(2)	169,560	(2)	
Commercial pilots		(2)	96,530	(2)	
Air traffic controllers and airfield operations specialists		48.61	101,100	46.11	
Air traffic controllers		58.09	120,830	59.87	
Airfield operations specialists	,	27.29 (²)	56,760 56,630	25.10	
Flight attendants		18.94	39,400	(²) 17.85	
Ambulance drivers and attendants, except emergency medical technicians	, , .	13.95	29,010	12.38	
Bus drivers		17.44	36,280	16.56	
Bus drivers, transit and intercity	174,110	21.47	44,650	20.23	
Bus drivers, school or special client		16.05	33,390	15.58	
Driver/sales workers and truck drivers		19.68	40,920	18.66	
Driver/sales workers	,	14.24	29,610	11.88	
Heavy and tractor-trailer truck drivers		21.91	45,570	21.00	
Light truck or delivery services drivers		17.75 13.68	36,920 28,450	15.78 12.49	
Motor vehicle operators, all other		17.14	35,640	14.60	
Rail transportation workers		30.95	64,380	29.69	
Locomotive engineers and operators		31.37	65,240	29.41	
Locomotive engineers		32.17	66,920	29.86	
Locomotive firers		33.19	69,030	30.69	
Rail yard engineers, dinkey operators, and hostlers		26.27	54,640	25.30	
Railroad brake, signal, and switch operators		28.31 31.77	58,890 66,080	27.53 30.26	
Subway and streetcar operators.		30.28	62,970	32.78	
Rail transportation workers, all other		28.12	58,490	26.64	
Water transportation workers		31.75	66,040	26.16	
Sailors and marine oilers		22.20	46,180	19.66	
Ship and boat captains and operators		38.61	80,310	32.40	
Captains, mates, and pilots of water vessels		39.61	82,380	33.26	
Motorboat operators		24.21	50,350	24.18	
Ship engineers Other transportation workers		36.40 15.61	75,710 32,460	34.20 12.23	
Bridge and lock tenders	,	22.91	47,660	24.19	
Parking lot attendants		12.08	25,130	11.47	
Automotive and watercraft service attendants		12.47	25,940	11.64	
Traffic technicians	. 7,290	24.38	50,700	22.39	
Transportation inspectors		36.22	75,330	35.47	
Transportation attendants, except flight attendants		14.73	30,640	12.87	
Transportation workers, all other		20.61	42,870	18.03	
Material moving workers		15.17 16.88	31,560 35,110	13.74 15.86	
Crane and tower operators		27.96	58,160	26.03	
Dredge, excavating, and loading machine operators		23.46	48,790	21.44	
Dredge operators		22.84	47,500	21.76	
Excavating and loading machine and dragline operators		23.40	48,680	21.28	
Loading machine operators, underground mining	. 2,500	24.73	51,450	24.60	
Hoist and winch operators		27.11	56,390	21.87	
Industrial truck and tractor operators		17.54	36,480	16.71	
Laborers and material movers, hand		14.32	29,790	13.02	
Cleaners of vehicles and equipment		12.93 14.85	26,900 30,890	11.79 13.59	
Machine feeders and offbearers		15.24	30,890	14.21	
Packers and packagers, hand		12.74	26,490	11.82	
Pumping station operators.		25.24	52,510	24.47	
Gas compressor and gas pumping station operators		30.24	62,900	31.35	
Pump operators, except wellhead pumpers	10,820	22.84	47,510	21.34	
Wellhead pumpers	. 13,280	25.90	53,870	25.72	
Refuse and recyclable material collectors		19.50	40,560	17.92	
Mine shuttle car operators		26.99	56,150	27.09	
Tank car, truck, and ship loaders		20.35 16.83	42,330 35,000	18.38 14.14	
Material moving workers, all other					

¹ Annual wages have been calculated by multiplying the hourly mean wage by a "year-round, full-time" hours figure of 2,080 hours; for those occupations where there is not an hourly mean wage published, the annual wage has been directly calculated from the reported survey data.

² Wages for some occupations that do not generally work year-round, full time, are reported either as hourly wages or annual salaries depending on how they are typically paid.

 $^{^{\}rm 3}$ Represents a wage equal to or greater than \$100.00 per hour.