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Technical information: (202) 691-6569 • oesinfo@bls.gov • www.bls.gov/oes
Media contact: (202) 691-5902 • PressOffice@bls.gov

OCCUPATIONAL EMPLOYMENT AND WAGES — MAY 2017

Production occupations had employment of 9 million in May 2017, representing 6.3 percent of total national employment, the U.S. Bureau of Labor Statistics reported today. The largest production occupation was assemblers and fabricators, all other, including team assemblers (1.3 million) and the highest paying production occupation was nuclear power reactor operators (\$94,350). (See chart 1 and chart 2.) The annual mean wage across all production occupations was \$38,070, compared with the U.S. average wage of \$50,620. (See table 1.)

The Occupational Employment Statistics (OES) program provides employment and wage estimates for over 800 occupations in the nation, states, and 600 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 production, healthcare, and construction and extraction 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.

Highlights from the May 2017 OES data:

Production occupations

- The **largest production occupations** also included first-line supervisors of production and operating workers (611,800) and inspectors, testers, sorters, samplers, and weighers (537,500). (See chart 1.)

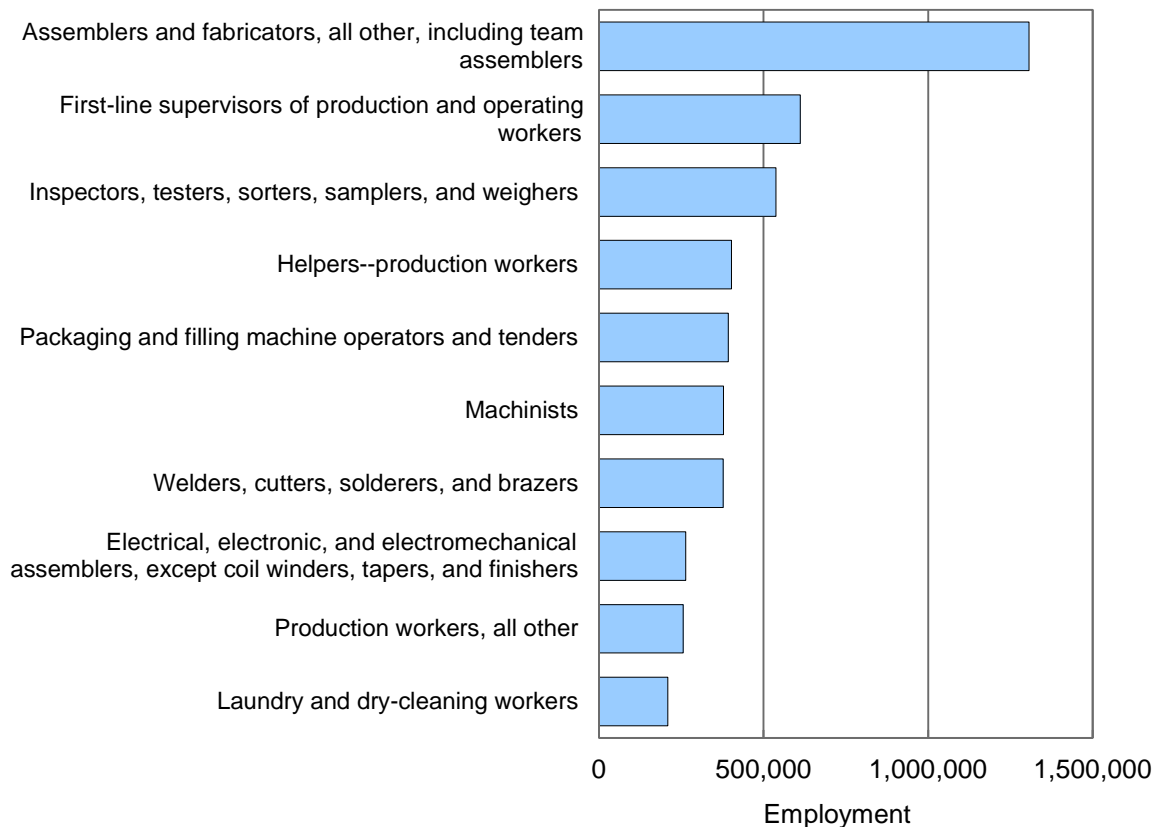
Changes to the Occupational Employment Statistics (OES) Data

With the release of the May 2017 estimates, the OES program has introduced several new occupational and industry aggregations.

The May 2017 OES estimates are the first to be produced using the 2017 North American Industry Classification System (NAICS).

See the box notes at the end of this news release for more information on current and upcoming changes to the OES data.

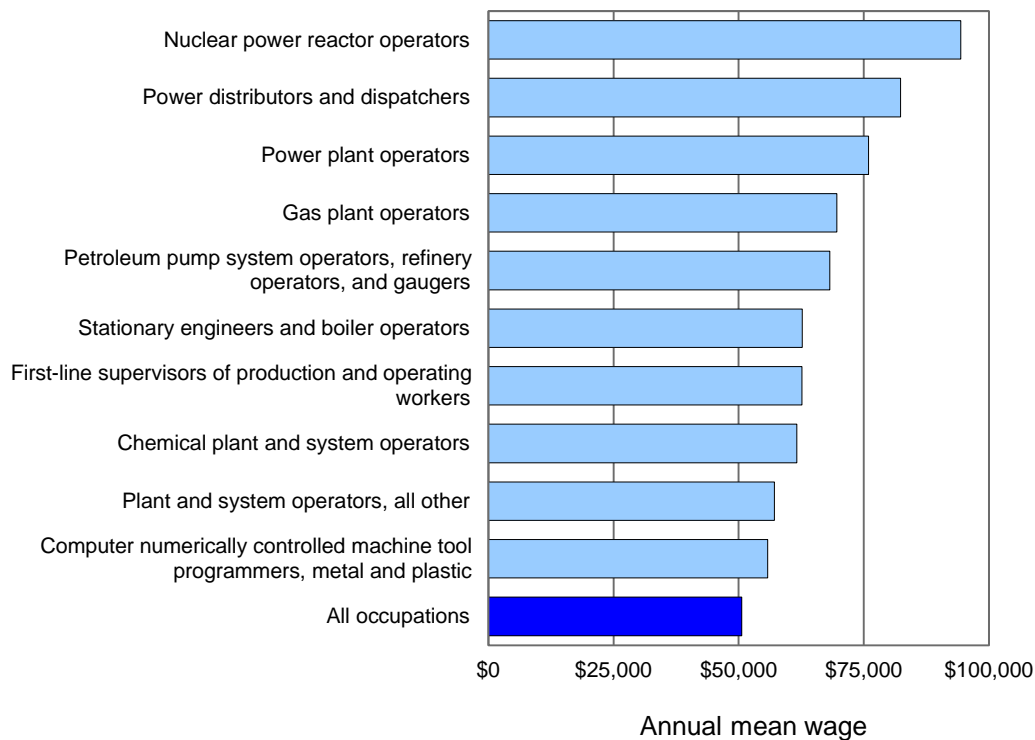
Chart 1. Employment for the largest production occupations, May 2017



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

- Other than nuclear power reactor operators, the **highest paying production occupations** were power distributors and dispatchers (\$82,310) and power plant operators (\$75,970). (See chart 2.)
- The **lowest paying** production occupations were pressers, textile, garment, and related materials (\$23,080) and laundry and dry-cleaning workers (\$23,770). (See table 1.)
- The **state** with the highest share of production occupations employment was Indiana (12 percent), nearly twice the national employment share.
- **Metropolitan areas** with the highest shares of production occupation employment included Elkhart-Goshen, Ind. (36 percent); Dalton, Ga. (26 percent); and Columbus, Ind. (25 percent).
- Pay for production occupations in manufacturing industries varied widely. Industries with the **highest wages** were petroleum and coal products manufacturing (\$63,620) and aerospace product and parts manufacturing (\$54,040).

Chart 2. Highest paying production occupations, May 2017



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

- Manufacturing industries with the **lowest wages** for production occupations included seafood product preparation and packaging (\$27,710) and several apparel, textile, and leather products industries.
- Assemblers and fabricators, all other, including team assemblers earned an annual mean wage of \$33,180 across all industries. Motor vehicle manufacturing (\$46,510) was the highest paying manufacturing industry for this occupation.

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

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

Healthcare occupations

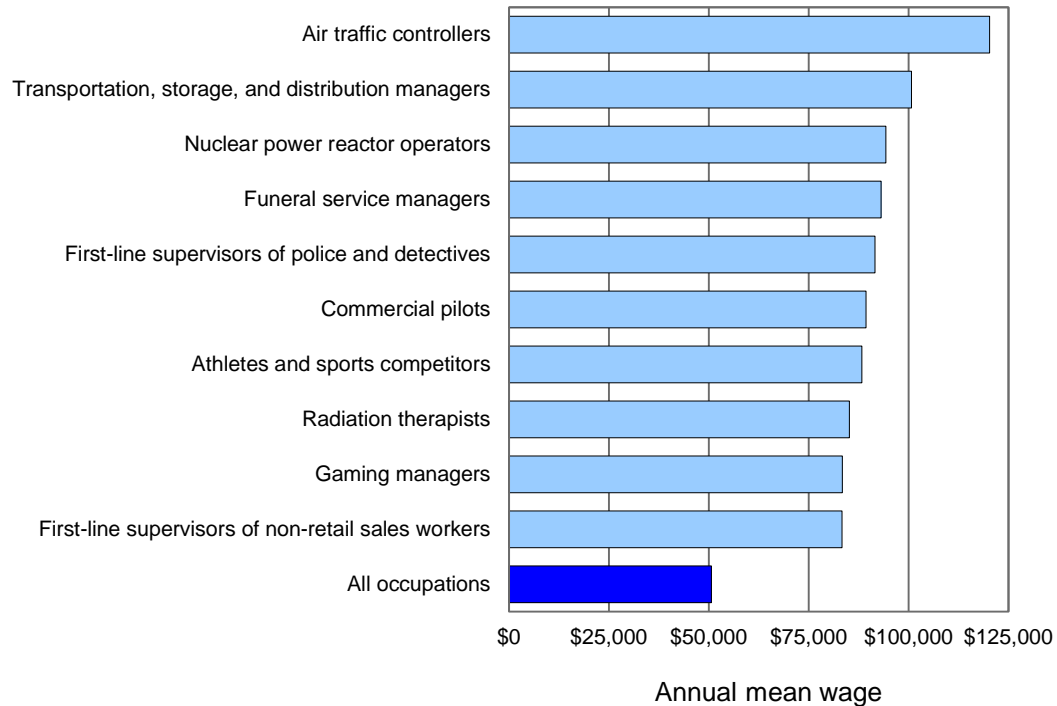
- **Healthcare practitioners and technical occupations** had employment of 8.5 million, and **healthcare support occupations** had employment of 4.1 million. Both healthcare occupational groups combined made up nearly 9 percent of U.S. employment. (See table 1.)

- Registered nurses, with 2.9 million jobs, was the **largest healthcare occupation**. (See table 1.) Most registered nurses worked in the general medical and surgical hospitals industry (1,685,820).
- Other than registered nurses, the largest healthcare occupations were nursing assistants (1.5 million), home health aides (820,960), and licensed practical and licensed vocational nurses (702,700). (See table 1.)
- Many of the **highest paying** occupations were healthcare occupations, including several physician and dentist occupations and nurse anesthetists (\$169,450). (See table 1.)
- The **lowest paying healthcare occupations** were home health aides (\$24,280), veterinary assistants and laboratory animal caretakers (\$27,570), and physical therapist aides (\$27,910). (See table 1.)
- Annual mean wages for healthcare practitioners and technical occupations, the larger of the two healthcare occupational groups, varied by **state** from \$64,620 in Mississippi to \$98,020 in Alaska, compared with \$80,760 nationally.
- Several areas in California, including San Jose-Sunnyvale-Santa Clara (\$115,280), were among the **highest paying metropolitan areas** for healthcare practitioners and technical occupations.
- The **lowest paying areas** for this occupational group included Lake Charles, La. (\$57,580), and Morristown, Tenn. (\$57,670).

Construction and extraction occupations

- **Construction and extraction occupations** had total employment of 5.7 million and an annual mean wage of \$49,930 across all industries. (See table 1.)
- The **largest construction and extraction occupations** were construction laborers (962,060), carpenters (693,050), and electricians (631,080). (See table 1.)
- The **highest paying construction and extraction occupations** were elevator installers and repairers (\$77,130) and first-line supervisors of construction trades and extraction workers (\$69,200). (See table 1.)
- The **lowest paying construction and extraction occupations** included helpers of roofers (\$29,710) and helpers of painters, paperhangers, plasterers, and stucco masons (\$30,570).
- By **industry**, specialty trade contractors (2.8 million) accounted for almost half of employment in construction and extraction occupations. An additional 26 percent of employment was in construction of buildings (915,340) and heavy and civil engineering construction (574,960). Local government (330,490) was the industry with the highest employment of construction and extraction occupations outside of the construction sector.
- **States** with the highest percentage of construction and extraction occupations were Wyoming (10 percent) and North Dakota (8 percent), compared with 4 percent of national employment.

Chart 3. Highest paying occupations that typically require less than a bachelor's degree for entry, May 2017



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

- **Metropolitan areas** with the highest concentrations of construction and extraction occupations included Lake Charles, La. (17 percent); Odessa, Texas (13 percent); and Farmington, N.M., and Greeley, Colo. (11 percent each).
- **Annual mean wages** for construction and extraction occupations varied by **state** from \$37,660 in Arkansas to \$67,450 in Hawaii.
- Urban Honolulu, Hawaii (\$68,800), and Chicago-Naperville-Elgin, Ill.-Ind.-Wis. (\$68,770), were among the **highest paying areas** for construction and extraction occupations. The **lowest paying areas** for this occupational group included Brownsville-Harlingen, Texas (\$31,820), and Sebring, Fla. (\$32,520).

Typical entry-level education

- Occupations that typically require **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 21.5 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 that typically require 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.

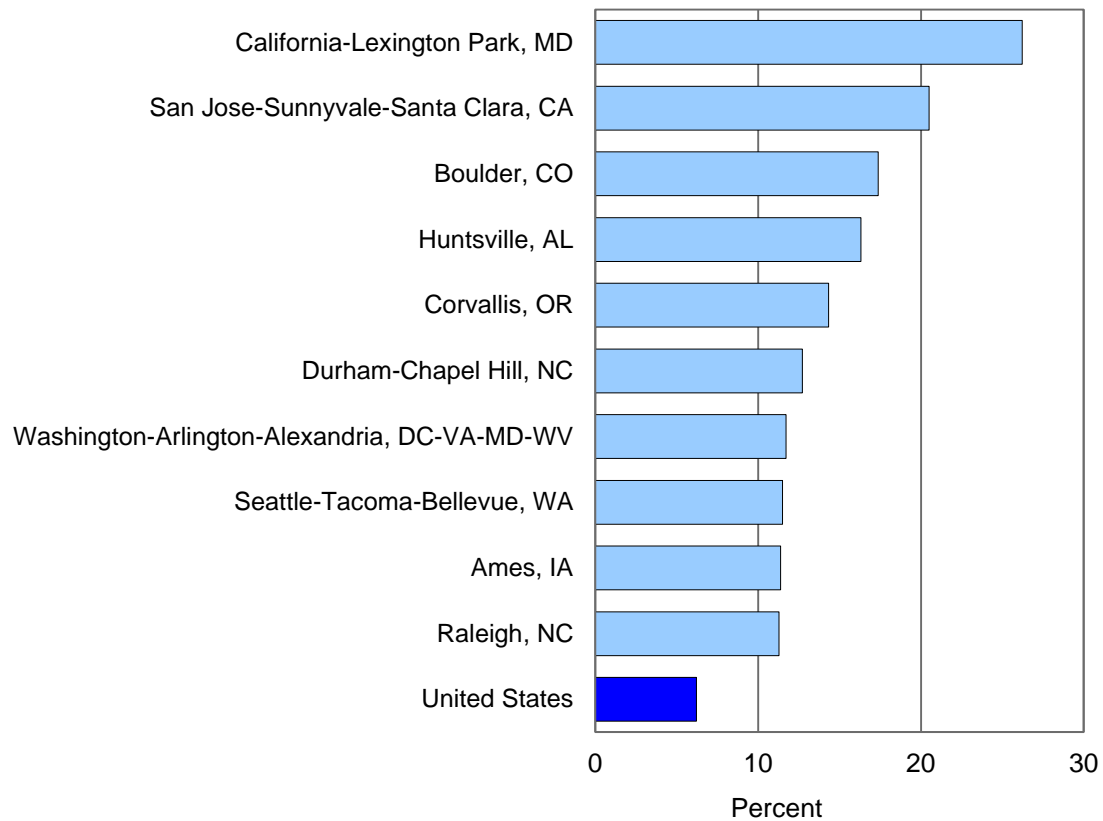
- The share of employment in occupations typically requiring an **associate's degree** for entry ranged from 1.8 percent of employment in Nevada to 2.9 percent in Vermont, compared with 2.3 percent of national employment.
- **Average wages** were generally higher for occupations that require more education. Annual mean wages were \$26,910 for occupations that typically require no formal educational credential for entry, \$41,920 for occupations typically requiring a high school diploma or the equivalent, \$56,140 for occupations typically requiring an associate's degree, and \$85,450 for occupations typically requiring a bachelor's degree.
- The **highest paying occupations that typically require less than a bachelor's degree** for entry included air traffic controllers (\$120,260), which typically require an associate's degree for entry; and transportation, storage, and distribution managers (\$100,740) and nuclear power reactor operators (\$94,350), both of which typically require a high school diploma or the equivalent. (See chart 3.)
- The **annual mean wage** for occupations that typically require an **associate's degree** for entry varied from \$45,310 in South Dakota to \$73,500 in the District of Columbia.
- The **highest paying metropolitan areas** for occupations that typically require an **associate's degree** for entry included California-Lexington Park, Md. (\$77,450), and San Francisco-Oakland-Hayward, Calif. (\$72,070). The **lowest paying metropolitan areas** for this educational category included Valdosta, Ga. (\$43,100), and Johnstown, Pa. (\$43,560).

Data on employment by the typical education level required to enter an occupation are 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_2017.htm.

STEM occupations

- There were nearly 8.9 million **science, technology, engineering, and mathematics (STEM) jobs** representing 6.2 percent of total U.S. employment.
- Seven of the 10 **largest** STEM occupations were related to computers and included applications software developers (849,230) and computer user support specialists (613,780). (See table 1.)
- **Areas** with the **highest employment shares** of STEM occupations were California-Lexington Park, Md. (26.2 percent), and San Jose-Sunnyvale-Santa Clara, Calif. (20.5 percent). (See chart 4.)
- **Areas** with the **lowest employment shares** of STEM occupations included Gadsden, Ala., and Ocean City, N.J. (approximately 1 percent of employment each).

Chart 4. Metropolitan areas with the highest employment shares of STEM occupations, May 2017



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

- STEM occupations had an **annual mean wage** of \$91,310, compared with \$47,890 for non-STEM occupations. Ninety-two of the 99 STEM occupations had mean wages significantly above the all-occupations average of \$50,620. (See table 1.)
- The **highest paying** STEM occupations were petroleum engineers (\$154,780) and the 3 STEM-related management occupations. (See table 1.)
- The **lowest paying** STEM occupations were forest and conservation technicians (\$39,180) and agricultural and food science technicians (\$42,910). (See table 1.)

A list of occupations included in the STEM definition used for this release is available at www.bls.gov/oes/stem_list_2017.xlsx. Additional STEM charts are available at www.bls.gov/oes/current/overview_2017.htm.

Largest occupations

- The **largest occupations** overall were retail salespersons (4.4 million), combined food preparation and serving workers (3.6 million), and cashiers (3.6 million). The next largest

occupations nationally were general office clerks (3.0 million), registered nurses (2.9 million), and customer service representatives (2.8 million). (See table 1.)

- Retail salespersons was the largest occupation in 29 of the 50 **states**.
- Eight of the 10 largest occupations had **below-average wages**. Retail salespersons (\$27,460), combined food preparation and serving workers (\$21,230), and cashiers (\$22,130) had annual mean wages significantly below the all-occupations average of \$50,620. (See table 1.)
- Registered nurses (\$73,550) and general and operations managers (\$123,460) 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, including 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 (908,480).
- Police and sheriff's patrol officers (656,000), general office clerks (553,830), and registered nurses (475,810) also were among the occupations with the highest public sector employment.

OES data by ownership are available at www.bls.gov/oes/current/oesrci.htm.

Notes on the May 2017 Occupational Employment Statistics (OES) Data

With the release of the May 2017 estimates, the OES program has replaced 21 detailed occupations found in the 2010 Standard Occupational Classification (SOC) with 10 new aggregations of those occupations. In addition, selected 4- and 5-digit North American Industry Classification System (NAICS) industries previously published by OES will no longer be published separately. Some of the 4-digit NAICS industries that are no longer being published separately will instead be published as OES-specific industry aggregations. More information about the new occupational and industry aggregations is available at www.bls.gov/oes/changes_2017.htm.

The May 2017 estimates include for the first time some establishments that were previously classified in private households. Beginning in May 2013, the Quarterly Census of Employment and Wages (QCEW), from which the OES sample is drawn, began coding some establishments that were historically found in NAICS 814110 (Private Households) to NAICS 624120 (Services for the Elderly and Persons with Disabilities). The establishments that changed NAICS codes caused a scope increase for OES because NAICS 814110 is out of scope and NAICS 624120 is in scope for OES. These newly in-scope units were removed from the survey data and not used for the May 2015 and May 2016 estimates. Now that OES has six survey panels collected under the new scope, these newly in-scope units are included in the May 2017 estimates, aligning the scope of the OES estimates for NAICS 624120 with that of the QCEW frame.

The May 2017 OES estimates are the first to be produced using the 2017 NAICS. Information about the 2017 NAICS is available at www.bls.gov/bls/naics.htm.

Upcoming Changes to the May 2018 Occupational Employment Statistics (OES) Data

OES will no longer publish data for metropolitan divisions and will publish data for fewer nonmetropolitan areas beginning with the May 2018 estimates, to be released in March or April of 2019. For the 11 large metropolitan statistical areas (MSAs) that are broken down into metropolitan divisions, OES will publish data at the MSA level only. In addition, the number of nonmetropolitan areas will be reduced in some states. OES will continue to cover the entire geography of each state, but some areas will no longer be at the same level of detail.

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 650 areas, including states and the District of Columbia, metropolitan statistical areas (MSAs), metropolitan divisions, nonmetropolitan areas, and territories; national industry-specific estimates at the NAICS sector, 3-, 4-, 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 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 2017 estimates are based on responses from six semiannual panels collected over a 3-year period: May 2017, November 2016, May 2016, November 2015, May 2015, and November 2014. The overall national response rate for the six panels, based on the 50 states and the District of Columbia, is 72 percent based on establishments and 68 percent based on weighted sampled employment. The unweighted sampled employment of 82 million across all six semiannual panels represents approximately 58 percent of total national 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 2017 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 includes approximately 200,000 establishments. 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 current panel 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 2016 and May 2017 employment) from the BLS Quarterly Census of Employment and Wages to employment totals from the OES survey.

Changes to the May 2017 estimates

The May 2017 OES estimates are the first to be based on the 2017 North American Industry Classification System, which replaces the 2012 NAICS used in the May 2012-May 2016 estimates. All six panels used in the May 2017 estimates were collected using the 2012 NAICS; these data were mapped to the 2017 NAICS codes.

Beginning with the May 2017 estimates, OES has replaced 21 detailed occupations with 10 aggregations of those occupations. In most cases, occupations were aggregated to the

SOC broad occupation level. The remaining aggregations do not correspond to SOC broad occupations and use OES-specific codes and titles. The purpose of these aggregations is to achieve more robust estimates by combining similar occupations for which the survey does not have the information needed to distinguish between occupations for accurate coding.

In addition, some 4- and 5-digit NAICS industries that OES previously published are no longer published separately. Some of these industries are now published at their standard 3- and 4-digit NAICS levels, respectively. Others are published as OES-specific industry aggregations. The new industry aggregations will improve sampling efficiency by combining industries with similar staffing patterns.

For more information about the new aggregations, see www.bls.gov/oes/changes_2017.htm.

The May 2017 estimates include additional establishments in the services for the elderly and persons with disabilities industry (NAICS 624120). In May 2013, the Quarterly Census of Employment and Wages program, from which the OES sample is drawn, began coding some establishments that were historically found in private households (NAICS 814110) to services for the elderly and persons with disabilities (NAICS 624120). Private households are out of scope for OES, so this shift caused a scope increase for OES in NAICS 624120. These newly in-scope units were removed from the survey data and not used for the May 2015 and May 2016 estimates. OES now has six panels of survey data collected under the new scope, so the May 2017 estimates include the full set of establishments from the expanded scope of NAICS 624120 for the first time.

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 2017

Occupation	Employment	Mean wages		Median hourly wages
		Hourly	Annual ¹	
All occupations	142,549,250	\$24.34	\$50,620	\$18.12
Management occupations	7,280,330	57.65	119,910	49.32
Top executives.....	2,473,740	61.55	128,020	49.58
Chief executives.....	210,160	94.25	196,050	88.11
General and operations managers.....	2,212,200	59.35	123,460	48.27
Legislators.....	51,380	(?)	46,350	(?)
Advertising, marketing, promotions, public relations, and sales managers.....	685,780	66.66	138,650	59.19
Advertising and promotions managers.....	28,100	59.56	123,880	51.03
Marketing and sales managers.....	590,380	67.60	140,600	60.24
Marketing managers.....	218,970	70.01	145,620	63.57
Sales managers.....	371,410	66.18	137,650	58.20
Public relations and fundraising managers.....	67,300	61.39	127,690	53.50
Operations specialties managers.....	1,752,130	62.24	129,450	55.62
Administrative services managers.....	270,100	49.70	103,380	45.20
Computer and information systems managers.....	365,690	71.99	149,730	66.93
Financial managers.....	569,380	69.01	143,530	60.14
Industrial production managers.....	171,520	53.16	110,580	48.36
Purchasing managers.....	70,430	58.56	121,810	55.65
Transportation, storage, and distribution managers.....	118,680	48.43	100,740	44.45
Compensation and benefits managers.....	15,520	62.50	130,010	57.27
Human resources managers.....	136,310	59.38	123,510	52.94
Training and development managers.....	34,500	56.58	117,690	52.05
Other management occupations.....	2,368,680	47.57	98,940	42.65
Farmers, ranchers, and other agricultural managers.....	4,610	38.62	80,320	33.47
Construction managers.....	263,480	48.56	101,000	43.93
Education administrators.....	477,750	45.80	95,270	42.74
Education administrators, preschool and childcare center/program.....	49,130	25.74	53,550	22.54
Education administrators, elementary and secondary school.....	250,280	(?)	97,440	(?)
Education administrators, postsecondary.....	142,160	51.77	107,670	44.41
Education administrators, all other.....	36,190	42.42	88,240	39.25
Architectural and engineering managers.....	179,990	70.33	146,290	66.21
Food service managers.....	208,110	27.52	57,250	25.02
Funeral service managers.....	8,350	44.76	93,090	37.52
Gaming managers.....	4,420	40.12	83,460	35.06
Lodging managers.....	36,610	28.67	59,620	24.90
Medical and health services managers.....	346,980	53.69	111,680	47.29
Natural sciences managers.....	56,210	64.26	133,670	57.20
Postmasters and mail superintendents.....	13,960	36.38	75,660	35.98
Property, real estate, and community association managers.....	186,720	34.79	72,370	28.21
Social and community service managers.....	141,830	33.91	70,530	30.82
Emergency management directors.....	9,560	39.01	81,140	34.98
Managers, all other.....	430,120	54.41	113,180	50.77
Business and financial operations occupations	7,472,750	36.70	76,330	32.55
Business operations specialists.....	4,811,530	35.14	73,080	31.92
Agents and business managers of artists, performers, and athletes.....	15,450	43.69	90,870	31.22
Buyers and purchasing agents.....	413,540	32.19	66,960	29.87
Claims adjusters, appraisers, examiners, and investigators.....	298,170	31.85	66,250	31.10
Claims adjusters, examiners, and investigators.....	282,030	31.89	66,340	31.20
Insurance appraisers, auto damage.....	16,150	31.10	64,680	29.86
Compliance officers.....	287,130	34.39	71,540	32.63
Cost estimators.....	210,900	32.90	68,420	30.34
Human resources workers.....	633,250	31.79	66,120	29.12
Human resources specialists.....	553,950	31.84	66,220	29.01
Farm labor contractors.....	780	23.50	48,890	17.15
Labor relations specialists.....	78,510	31.51	65,540	30.38
Logisticians.....	159,800	37.86	78,740	35.86
Management analysts.....	659,200	44.92	93,440	39.64
Meeting, convention, and event planners.....	102,420	25.30	52,630	23.22
Fundraisers.....	72,920	28.81	59,930	26.75
Compensation, benefits, and job analysis specialists.....	80,530	32.29	67,160	30.14
Training and development specialists.....	280,340	31.11	64,700	29.02
Market research analysts and marketing specialists.....	596,450	34.35	71,450	30.40
Business operations specialists, all other.....	1,001,420	36.42	75,740	33.66
Financial specialists.....	2,661,230	39.51	82,190	33.71
Accountants and auditors.....	1,241,000	37.46	77,920	33.34
Appraisers and assessors of real estate.....	58,880	29.25	60,830	25.97
Budget analysts.....	54,550	37.83	78,680	36.17
Credit analysts.....	74,850	39.86	82,900	34.27
Financial analysts and advisors.....	584,940	50.27	104,570	39.79
Financial analysts.....	294,110	47.80	99,430	40.53
Personal financial advisors.....	200,920	59.68	124,140	43.58
Insurance underwriters.....	89,910	37.34	77,660	33.54
Financial examiners.....	52,580	44.12	91,780	39.28
Credit counselors and loan officers.....	343,150	36.03	74,940	29.73
Credit counselors.....	35,900	23.78	49,460	21.50
Loan officers.....	307,240	37.46	77,920	31.09
Tax examiners, collectors and preparers, and revenue agents.....	125,380	25.26	52,530	22.52
Tax examiners and collectors, and revenue agents.....	56,660	28.43	59,140	25.54

See footnotes at end of table.

Table 1. National employment and wage data from the Occupational Employment Statistics survey by occupation, May 2017- Continued

Occupation	Employment	Mean wages		Median hourly wages
		Hourly	Annual ¹	
Business and financial operations occupations (Continued)				
Tax preparers.....	68,720	\$22.64	\$47,090	\$18.62
Financial specialists, all other.....	125,900	36.84	76,630	33.42
Computer and mathematical occupations				
	4,261,460	43.18	89,810	40.66
Computer occupations.....	4,094,930	43.16	89,780	40.67
Computer and information research scientists.....	27,920	57.49	119,570	55.06
Computer and information analysts.....	687,210	45.10	93,800	42.92
Computer systems analysts.....	581,960	44.59	92,740	42.44
Information security analysts.....	105,250	47.93	99,690	45.92
Software developers and programmers.....	1,617,400	49.27	102,470	47.00
Computer programmers.....	247,690	42.08	87,530	39.54
Software developers, applications.....	849,230	51.30	106,710	48.94
Software developers, systems software.....	394,590	53.74	111,780	51.73
Web developers.....	125,890	35.63	74,110	32.69
Database and systems administrators and network architects.....	646,570	44.26	92,070	41.87
Database administrators.....	113,690	42.81	89,050	41.84
Network and computer systems administrators.....	375,040	41.51	86,340	38.99
Computer network architects.....	157,830	51.86	107,870	50.31
Computer support specialists.....	800,010	27.53	57,260	25.39
Computer user support specialists.....	613,780	26.03	54,150	24.14
Computer network support specialists.....	186,230	32.46	67,510	29.97
Computer occupations, all other.....	315,830	43.79	91,080	42.56
Mathematical science occupations.....	166,530	43.49	90,460	40.41
Actuaries.....	19,210	55.21	114,850	48.83
Mathematicians.....	2,730	50.33	104,700	49.52
Operations research analysts.....	106,050	41.59	86,510	39.13
Statisticians.....	36,540	42.78	88,980	40.41
Miscellaneous mathematical science occupations.....	2,000	35.42	73,670	27.83
Architecture and engineering occupations				
	2,516,780	41.44	86,190	38.07
Architects, surveyors, and cartographers.....	177,030	37.97	78,970	34.63
Architects, except naval.....	122,160	40.82	84,910	36.82
Architects, except landscape and naval.....	103,110	42.07	87,500	37.72
Landscape architects.....	19,040	34.08	70,880	31.62
Surveyors, cartographers, and photogrammetrists.....	54,870	31.60	65,740	29.70
Cartographers and photogrammetrists.....	11,440	32.40	67,390	30.76
Surveyors.....	43,430	31.40	65,300	29.40
Engineers.....	1,665,220	47.21	98,190	44.34
Aerospace engineers.....	65,760	55.43	115,300	54.34
Agricultural engineers.....	1,770	37.49	77,970	35.95
Biomedical engineers.....	20,100	44.70	92,970	42.33
Chemical engineers.....	33,500	54.05	112,430	49.12
Civil engineers.....	298,910	44.13	91,790	40.75
Computer hardware engineers.....	66,770	57.52	119,650	55.35
Electrical and electronics engineers.....	318,300	49.34	102,620	47.10
Electrical engineers.....	183,370	47.87	99,580	45.70
Electronics engineers, except computer.....	134,930	51.33	106,760	49.13
Environmental engineers.....	52,640	43.83	91,180	41.73
Industrial engineers, including health and safety.....	291,660	43.51	90,500	41.39
Health and safety engineers, except mining safety engineers and inspectors.....	26,130	44.32	92,190	42.55
Industrial engineers.....	265,520	43.43	90,340	41.29
Marine engineers and naval architects.....	10,960	46.59	96,910	43.74
Materials engineers.....	27,200	47.41	98,610	45.48
Mechanical engineers.....	291,290	43.99	91,500	41.29
Mining and geological engineers, including mining safety engineers.....	6,150	49.86	103,710	45.31
Nuclear engineers.....	16,700	52.36	108,910	50.87
Petroleum engineers.....	32,010	74.41	154,780	63.60
Engineers, all other.....	131,500	47.74	99,310	46.75
Drafters, engineering technicians, and mapping technicians.....	674,540	28.10	58,450	26.83
Drafters.....	195,510	27.44	57,080	26.04
Architectural and civil drafters.....	95,960	26.50	55,110	25.42
Electrical and electronics drafters.....	26,060	30.64	63,720	28.70
Mechanical drafters.....	58,190	27.96	58,150	26.50
Drafters, all other.....	15,300	25.96	53,990	24.18
Engineering technicians, except drafters.....	427,140	29.11	60,550	27.97
Aerospace engineering and operations technicians.....	11,710	34.30	71,340	32.33
Civil engineering technicians.....	71,430	25.77	53,600	24.82
Electrical and electronics engineering technicians.....	128,320	30.91	64,290	30.60
Electro-mechanical technicians.....	13,050	28.60	59,490	27.28
Environmental engineering technicians.....	17,590	25.77	53,610	24.15
Industrial engineering technicians.....	65,020	27.79	57,810	26.10
Mechanical engineering technicians.....	43,390	27.97	58,180	26.62
Engineering technicians, except drafters, all other.....	76,630	31.03	64,550	29.92
Surveying and mapping technicians.....	51,890	22.28	46,350	20.84
Life, physical, and social science occupations				
	1,148,300	35.76	74,370	31.01
Life scientists.....	292,310	40.80	84,860	35.43
Agricultural and food scientists.....	31,750	33.88	70,480	30.25
Animal scientists.....	2,550	33.10	68,840	29.21

See footnotes at end of table.

Table 1. National employment and wage data from the Occupational Employment Statistics survey by occupation, May 2017- Continued

Occupation	Employment	Mean wages		Median hourly wages
		Hourly	Annual ¹	
Life, physical, and social science occupations (Continued)				
Food scientists and technologists.....	15,020	\$34.61	\$71,990	\$30.60
Soil and plant scientists.....	14,180	33.26	69,170	30.01
Biological scientists.....	104,550	40.41	84,060	36.04
Biochemists and biophysicists.....	27,380	50.68	105,410	43.84
Microbiologists.....	21,870	37.69	78,400	33.64
Zoologists and wildlife biologists.....	17,710	31.85	66,250	29.95
Biological scientists, all other.....	37,590	38.56	80,200	36.87
Conservation scientists and foresters.....	30,340	30.76	63,990	29.31
Conservation scientists.....	22,040	31.18	64,850	29.56
Foresters.....	8,300	29.67	61,710	28.90
Medical scientists.....	118,560	45.64	94,920	38.93
Epidemiologists.....	6,870	36.65	76,230	33.49
Medical scientists, except epidemiologists.....	111,690	46.19	96,070	39.46
Life scientists, all other.....	7,120	39.55	82,270	35.84
Physical scientists.....	253,660	42.53	88,470	37.88
Astronomers and physicists.....	18,720	58.47	121,620	56.36
Astronomers.....	2,020	52.67	109,560	48.36
Physicists.....	16,710	59.17	123,080	57.13
Atmospheric and space scientists.....	8,940	45.05	93,710	44.27
Chemists and materials scientists.....	91,880	40.14	83,500	36.67
Chemists.....	84,400	39.36	81,870	35.94
Materials scientists.....	7,470	48.99	101,910	47.85
Environmental scientists and geoscientists.....	116,790	40.33	83,890	35.51
Environmental scientists and specialists, including health.....	81,920	36.64	76,220	33.37
Geoscientists, except hydrologists and geographers.....	28,520	50.88	105,830	43.20
Hydrologists.....	6,350	40.53	84,290	38.46
Physical scientists, all other.....	17,320	51.53	107,180	49.99
Social scientists and related workers.....	243,150	39.96	83,110	37.01
Economists.....	19,550	54.16	112,650	49.27
Survey researchers.....	11,270	29.18	60,700	26.09
Psychologists.....	121,870	39.79	82,770	37.03
Clinical, counseling, and school psychologists.....	108,060	39.10	81,330	36.10
Industrial-organizational psychologists.....	920	49.29	102,530	41.87
Psychologists, all other.....	12,880	44.92	93,440	46.99
Sociologists.....	2,770	41.41	86,130	38.29
Urban and regional planners.....	35,310	35.75	74,350	34.37
Miscellaneous social scientists and related workers.....	52,380	40.12	83,450	37.83
Anthropologists and archeologists.....	6,120	31.89	66,330	29.94
Geographers.....	1,400	36.92	76,790	36.95
Historians.....	3,060	30.88	64,220	28.42
Political scientists.....	6,320	53.86	112,030	55.34
Social scientists and related workers, all other.....	35,490	40.01	83,230	38.16
Life, physical, and social science technicians.....	359,180	24.02	49,970	22.01
Agricultural and food science technicians.....	21,120	20.63	42,910	19.19
Biological technicians.....	74,980	22.79	47,410	21.06
Chemical technicians.....	64,550	24.52	51,010	22.73
Geological and petroleum technicians.....	14,820	30.50	63,450	26.05
Nuclear technicians.....	6,850	38.46	80,000	38.64
Social science research assistants.....	31,500	23.57	49,030	22.12
Miscellaneous life, physical, and social science technicians.....	145,360	23.69	49,270	21.97
Environmental science and protection technicians, including health.....	32,840	23.71	49,310	21.87
Forensic science technicians.....	15,070	29.43	61,220	27.81
Forest and conservation technicians.....	30,570	18.84	39,180	17.37
Life, physical, and social science technicians, all other.....	66,890	24.60	51,160	23.12
Community and social service occupations				
Counselors, social workers, and other community and social service specialists.....	2,017,250	23.11	48,060	21.09
Counselors.....	687,150	24.36	50,670	22.47
Educational, guidance, school, and vocational counselors.....	271,350	28.18	58,620	26.64
Marriage and family therapists.....	42,880	25.89	53,860	23.45
Rehabilitation counselors.....	103,840	18.73	38,950	16.76
Substance abuse, behavioral disorder, and mental health counselors.....	241,930	22.38	46,560	20.82
Counselors, all other.....	27,150	22.89	47,600	20.85
Social workers.....	644,290	24.82	51,630	23.07
Child, family, and school social workers.....	306,370	23.28	48,430	21.34
Healthcare social workers.....	167,730	27.31	56,810	26.38
Mental health and substance abuse social workers.....	112,040	22.99	47,830	20.79
Social workers, all other.....	58,150	29.28	60,900	29.80
Miscellaneous community and social service specialists.....	685,810	20.23	42,090	18.11
Health educators.....	58,040	28.37	59,010	25.93
Probation officers and correctional treatment specialists.....	87,700	27.23	56,630	24.71
Social and human service assistants.....	384,080	17.05	35,460	15.92
Community health workers.....	54,760	20.36	42,340	18.45
Community and social service specialists, all other.....	101,230	21.53	44,780	19.99
Religious workers.....	79,490	23.02	47,880	20.87
Clergy.....	49,850	24.43	50,800	22.65
Directors, religious activities and education.....	21,430	21.86	45,470	18.74
Religious workers, all other.....	8,210	17.49	36,380	14.09

See footnotes at end of table.

Table 1. National employment and wage data from the Occupational Employment Statistics survey by occupation, May 2017- Continued

Occupation	Employment	Mean wages		Median hourly wages
		Hourly	Annual ¹	
Legal occupations	1,095,770	\$51.62	\$107,370	\$38.50
Lawyers, judges, and related workers.....	692,660	66.18	137,660	55.87
Lawyers and judicial law clerks.....	643,630	67.26	139,900	56.26
Lawyers.....	628,370	68.22	141,890	57.33
Judicial law clerks.....	15,260	27.84	57,920	24.68
Judges, magistrates, and other judicial workers.....	49,030	52.09	108,340	50.89
Administrative law judges, adjudicators, and hearing officers.....	14,480	47.25	98,280	45.57
Arbitrators, mediators, and conciliators.....	6,110	35.11	73,020	29.17
Judges, magistrate judges, and magistrates.....	28,440	58.20	121,050	64.34
Legal support workers.....	403,110	26.60	55,330	24.34
Paralegals and legal assistants.....	290,410	25.92	53,910	24.24
Miscellaneous legal support workers.....	112,700	28.36	59,000	24.66
Court reporters.....	15,220	28.88	60,060	26.50
Title examiners, abstractors, and searchers.....	53,040	24.61	51,180	22.53
Legal support workers, all other.....	44,440	32.67	67,960	26.98
Education, training, and library occupations	8,727,710	26.67	55,470	23.43
Postsecondary teachers.....	1,525,170	(2)	82,880	(2)
Business teachers, postsecondary.....	84,340	(2)	100,270	(2)
Math and computer teachers, postsecondary.....	83,100	(2)	87,380	(2)
Computer science teachers, postsecondary.....	32,230	(2)	91,590	(2)
Mathematical science teachers, postsecondary.....	50,870	(2)	84,710	(2)
Engineering and architecture teachers, postsecondary.....	44,780	(2)	106,770	(2)
Architecture teachers, postsecondary.....	7,280	(2)	91,000	(2)
Engineering teachers, postsecondary.....	37,500	(2)	109,830	(2)
Life sciences teachers, postsecondary.....	62,710	(2)	92,790	(2)
Agricultural sciences teachers, postsecondary.....	10,800	(2)	91,690	(2)
Biological science teachers, postsecondary.....	49,910	(2)	93,010	(2)
Forestry and conservation science teachers, postsecondary.....	2,000	(2)	93,200	(2)
Physical sciences teachers, postsecondary.....	51,530	(2)	94,740	(2)
Atmospheric, earth, marine, and space sciences teachers, postsecondary.....	10,730	(2)	98,560	(2)
Chemistry teachers, postsecondary.....	21,090	(2)	90,610	(2)
Environmental science teachers, postsecondary.....	5,990	(2)	87,660	(2)
Physics teachers, postsecondary.....	13,710	(2)	101,190	(2)
Social sciences teachers, postsecondary.....	115,860	(2)	89,600	(2)
Anthropology and archeology teachers, postsecondary.....	5,770	(2)	93,500	(2)
Area, ethnic, and cultural studies teachers, postsecondary.....	9,850	(2)	83,330	(2)
Economics teachers, postsecondary.....	12,770	(2)	114,820	(2)
Geography teachers, postsecondary.....	3,980	(2)	87,810	(2)
Political science teachers, postsecondary.....	16,200	(2)	98,620	(2)
Psychology teachers, postsecondary.....	37,090	(2)	85,050	(2)
Sociology teachers, postsecondary.....	13,630	(2)	83,840	(2)
Social sciences teachers, postsecondary, all other.....	16,580	(2)	79,050	(2)
Health teachers, postsecondary.....	250,190	(2)	112,770	(2)
Health specialties teachers, postsecondary.....	194,610	(2)	122,890	(2)
Nursing instructors and teachers, postsecondary.....	55,580	(2)	77,360	(2)
Education and library science teachers, postsecondary.....	65,500	(2)	72,510	(2)
Education teachers, postsecondary.....	60,500	(2)	72,410	(2)
Library science teachers, postsecondary.....	5,010	(2)	73,680	(2)
Law, criminal justice, and social work teachers, postsecondary.....	43,540	(2)	94,200	(2)
Criminal justice and law enforcement teachers, postsecondary.....	14,210	(2)	68,980	(2)
Law teachers, postsecondary.....	16,900	(2)	129,840	(2)
Social work teachers, postsecondary.....	12,430	(2)	74,560	(2)
Arts, communications, and humanities teachers, postsecondary.....	264,290	(2)	78,160	(2)
Art, drama, and music teachers, postsecondary.....	95,110	(2)	78,720	(2)
Communications teachers, postsecondary.....	28,770	(2)	75,640	(2)
English language and literature teachers, postsecondary.....	69,140	(2)	77,660	(2)
Foreign language and literature teachers, postsecondary.....	27,240	(2)	75,950	(2)
History teachers, postsecondary.....	21,120	(2)	82,900	(2)
Philosophy and religion teachers, postsecondary.....	22,920	(2)	78,790	(2)
Miscellaneous postsecondary teachers.....	459,310	(2)	59,000	(2)
Graduate teaching assistants.....	136,820	(2)	37,720	(2)
Home economics teachers, postsecondary.....	2,580	(2)	77,220	(2)
Recreation and fitness studies teachers, postsecondary.....	16,630	(2)	69,560	(2)
Vocational education teachers, postsecondary.....	114,020	27.23	56,630	24.81
Postsecondary teachers, all other.....	189,270	(2)	74,630	(2)
Preschool, primary, secondary, and special education school teachers.....	4,174,870	(2)	58,780	(2)
Preschool and kindergarten teachers.....	550,390	19.04	39,600	16.13
Preschool teachers, except special education.....	409,740	16.15	33,590	13.94
Kindergarten teachers, except special education.....	140,660	(2)	57,110	(2)
Elementary and middle school teachers.....	2,043,520	(2)	60,900	(2)
Elementary school teachers, except special education.....	1,409,140	(2)	60,830	(2)
Middle school teachers, except special and career/technical education.....	622,340	(2)	61,040	(2)
Career/technical education teachers, middle school.....	12,040	(2)	61,680	(2)
Secondary school teachers.....	1,106,060	(2)	62,730	(2)
Secondary school teachers, except special and career/technical education.....	1,027,230	(2)	62,860	(2)
Career/technical education teachers, secondary school.....	78,840	(2)	61,010	(2)
Special education teachers.....	474,890	(2)	62,640	(2)
Special education teachers, preschool.....	28,540	(2)	58,390	(2)
Special education teachers, kindergarten and elementary school.....	184,920	(2)	61,960	(2)
Special education teachers, middle school.....	87,550	(2)	63,250	(2)

See footnotes at end of table.

Table 1. National employment and wage data from the Occupational Employment Statistics survey by occupation, May 2017- Continued

Occupation	Employment	Mean wages		Median hourly wages
		Hourly	Annual ¹	
Education, training, and library occupations (Continued)				
Special education teachers, secondary school.....	135,910	(?)	\$64,590	(?)
Special education teachers, all other.....	37,980	(?)	60,750	(?)
Other teachers and instructors.....	1,204,930	18.89	39,290	15.60
Adult basic and secondary education and literacy teachers and instructors.....	60,670	27.31	56,800	25.05
Self-enrichment education teachers.....	238,710	21.46	44,630	18.48
Miscellaneous teachers and instructors.....	905,550	17.65	36,700	14.57
Substitute teachers.....	611,310	15.15	31,510	13.59
Teachers and instructors, all other, except substitute teachers.....	294,240	(?)	47,490	(?)
Librarians, curators, and archivists.....	246,760	24.30	50,540	22.78
Archivists, curators, and museum technicians.....	29,920	25.22	52,450	22.77
Archivists.....	6,080	26.67	55,470	24.88
Curators.....	11,550	28.28	58,830	25.85
Museum technicians and conservators.....	12,290	21.62	44,970	19.55
Librarians.....	126,800	29.21	60,760	28.14
Library technicians.....	90,030	17.07	35,510	16.20
Other education, training, and library occupations.....	1,576,000	(?)	33,320	(?)
Audio-visual and multimedia collections specialists.....	10,430	24.66	51,290	23.36
Farm and home management advisors.....	8,450	25.11	52,220	23.80
Instructional coordinators.....	157,490	32.06	66,680	30.65
Teacher assistants.....	1,299,800	(?)	27,950	(?)
Education, training, and library workers, all other.....	99,830	22.69	47,200	20.74
Arts, design, entertainment, sports, and media occupations	1,925,140	28.34	58,950	23.19
Art and design workers.....	597,970	25.92	53,910	21.75
Artists and related workers.....	90,940	39.85	82,900	35.62
Art directors.....	38,110	49.76	103,510	44.47
Craft artists.....	4,730	19.80	41,180	16.80
Fine artists, including painters, sculptors, and illustrators.....	11,230	27.66	57,520	23.81
Multimedia artists and animators.....	29,860	36.81	76,560	33.91
Artists and related workers, all other.....	7,010	32.01	66,590	30.55
Designers.....	507,030	23.42	48,720	19.94
Commercial and industrial designers.....	31,250	33.91	70,540	31.72
Fashion designers.....	18,940	37.92	78,870	32.41
Floral designers.....	43,470	13.57	28,220	12.67
Graphic designers.....	217,170	25.62	53,280	23.41
Interior designers.....	56,070	27.99	58,210	24.76
Merchandise displayers and window trimmers.....	120,870	14.88	30,940	13.31
Set and exhibit designers.....	11,490	28.65	59,590	25.52
Designers, all other.....	7,770	31.92	66,400	26.89
Entertainers and performers, sports and related workers.....	508,410	28.78	59,860	20.20
Actors, producers, and directors.....	161,000	40.74	84,740	30.17
Actors.....	43,470	32.89	(?)	17.49
Producers and directors.....	117,520	43.64	90,770	34.43
Athletes, coaches, umpires, and related workers.....	265,160	(?)	43,940	(?)
Athletes and sports competitors.....	11,150	(?)	88,300	(?)
Coaches and scouts.....	235,400	(?)	42,540	(?)
Umpires, referees, and other sports officials.....	18,610	(?)	35,080	(?)
Dancers and choreographers.....	15,240	20.41	42,450	17.15
Dancers.....	9,930	17.70	(?)	14.25
Choreographers.....	5,310	25.47	52,970	23.28
Musicians, singers, and related workers.....	55,570	34.11	(?)	25.95
Music directors and composers.....	15,400	29.56	61,490	24.32
Musicians and singers.....	40,170	35.86	(?)	26.96
Entertainers and performers, sports and related workers, all other.....	11,440	23.15	(?)	17.09
Media and communication workers.....	581,520	31.07	64,620	27.09
Announcers.....	36,500	22.29	46,350	15.15
Radio and television announcers.....	28,580	22.90	47,630	15.60
Public address system and other announcers.....	7,920	20.07	41,740	13.67
News analysts, reporters and correspondents.....	44,480	27.04	56,250	19.67
Broadcast news analysts.....	5,700	42.43	88,250	30.24
Reporters and correspondents.....	38,790	24.79	51,550	18.93
Public relations specialists.....	233,730	32.69	67,990	28.51
Writers and editors.....	192,160	34.02	70,760	30.15
Editors.....	96,890	32.80	68,230	28.25
Technical writers.....	49,960	35.79	74,440	34.10
Writers and authors.....	45,300	34.67	72,120	29.72
Miscellaneous media and communication workers.....	74,650	25.09	52,190	22.77
Interpreters and translators.....	53,150	24.90	51,790	22.69
Media and communication workers, all other.....	21,510	25.56	53,160	23.03
Media and communication equipment workers.....	237,240	26.82	55,780	21.91
Broadcast and sound engineering technicians and radio operators.....	117,270	23.88	49,660	20.51
Audio and video equipment technicians.....	72,740	22.85	47,530	20.28
Broadcast technicians.....	30,390	22.47	46,730	18.78
Radio operators.....	770	21.39	44,490	21.31
Sound engineering technicians.....	13,370	32.78	68,180	26.83
Photographers.....	49,320	20.17	41,940	15.62
Television, video, and motion picture camera operators and editors.....	51,630	36.01	74,890	27.99
Camera operators, television, video, and motion picture.....	20,860	29.58	61,530	25.74

See footnotes at end of table.

Table 1. National employment and wage data from the Occupational Employment Statistics survey by occupation, May 2017- Continued

Occupation	Employment	Mean wages		Median hourly wages
		Hourly	Annual ¹	
Arts, design, entertainment, sports, and media occupations (Continued)				
Film and video editors.....	30,770	\$40.36	\$83,950	\$29.41
Media and communication equipment workers, all other.....	19,030	37.27	77,520	38.22
Healthcare practitioners and technical occupations				
	8,506,740	38.83	80,760	31.14
Health diagnosing and treating practitioners.....	5,269,630	48.45	100,780	38.21
Chiropractors.....	33,630	40.07	83,350	33.00
Dentists.....	125,300	86.54	180,010	76.02
Dentists, general.....	110,400	83.71	174,110	72.81
Oral and maxillofacial surgeons.....	4,800	116.70	242,740	(?)
Orthodontists.....	5,080	110.28	229,380	(?)
Prosthodontists.....	430	94.69	196,960	89.02
Dentists, all other specialists.....	4,590	96.15	199,980	91.75
Dietitians and nutritionists.....	62,980	28.92	60,150	28.56
Optometrists.....	37,240	57.26	119,100	53.03
Pharmacists.....	309,330	58.52	121,710	59.70
Physicians and surgeons.....	666,490	103.22	214,700	(?)
Anesthesiologists.....	30,590	127.88	265,990	(?)
Family and general practitioners.....	126,440	100.27	208,560	95.55
Internists, general.....	42,280	95.37	198,370	92.75
Obstetricians and gynecologists.....	18,880	113.10	235,240	(?)
Pediatricians, general.....	28,990	90.16	187,540	83.00
Psychiatrists.....	25,250	103.89	216,090	(?)
Surgeons.....	38,600	121.10	251,890	(?)
Physicians and surgeons, all other.....	355,460	101.63	211,390	(?)
Physician assistants.....	109,220	50.37	104,760	50.41
Podiatrists.....	9,670	71.38	148,470	61.41
Therapists.....	676,140	37.86	78,740	36.79
Occupational therapists.....	126,050	40.69	84,640	40.00
Physical therapists.....	225,420	42.34	88,080	41.76
Radiation therapists.....	17,250	40.96	85,190	38.73
Recreational therapists.....	18,490	23.88	49,670	22.92
Respiratory therapists.....	128,250	29.72	61,810	28.71
Speech-language pathologists.....	142,360	38.35	79,770	36.83
Exercise physiologists.....	6,300	26.31	54,730	23.60
Therapists, all other.....	12,020	28.02	58,290	25.89
Veterinarians.....	69,370	48.81	101,530	43.47
Registered nurses.....	2,906,840	35.36	73,550	33.65
Nurse anesthetists.....	42,620	81.47	169,450	79.38
Nurse midwives.....	6,530	49.83	103,640	48.36
Nurse practitioners.....	166,280	51.68	107,480	49.94
Audiologists.....	12,020	38.48	80,040	36.50
Health diagnosing and treating practitioners, all other.....	35,970	40.49	84,210	35.49
Health technologists and technicians.....	3,075,910	22.74	47,310	20.95
Clinical laboratory technologists and technicians.....	322,380	25.59	53,230	24.89
Dental hygienists.....	211,600	35.91	74,680	35.61
Diagnostic related technologists and technicians.....	382,500	30.79	64,040	29.98
Cardiovascular technologists and technicians.....	56,130	27.52	57,250	26.57
Diagnostic medical sonographers.....	68,750	35.19	73,200	34.33
Nuclear medicine technologists.....	18,930	37.33	77,660	36.38
Radiologic technologists.....	201,200	29.00	60,320	28.10
Magnetic resonance imaging technologists.....	37,490	33.89	70,490	33.62
Emergency medical technicians and paramedics.....	251,860	17.64	36,700	16.05
Health practitioner support technologists and technicians.....	785,590	17.27	35,910	16.28
Dietetic technicians.....	33,370	14.24	29,610	12.74
Pharmacy technicians.....	417,720	15.90	33,060	15.26
Psychiatric technicians.....	66,930	17.34	36,070	15.23
Respiratory therapy technicians.....	9,600	24.47	50,900	24.21
Surgical technologists.....	106,470	23.11	48,060	22.26
Veterinary technologists and technicians.....	103,430	16.69	34,710	16.06
Ophthalmic medical technicians.....	48,060	18.03	37,500	17.27
Licensed practical and licensed vocational nurses.....	702,700	21.98	45,710	21.65
Medical records and health information technicians.....	204,220	20.59	42,820	18.83
Opticians, dispensing.....	75,450	18.79	39,070	17.43
Miscellaneous health technologists and technicians.....	139,620	23.36	48,600	20.88
Orthotists and prosthetists.....	7,840	34.12	70,970	31.85
Hearing aid specialists.....	7,380	27.42	57,030	26.38
Health technologists and technicians, all other.....	124,390	22.45	46,690	20.10
Other healthcare practitioners and technical occupations.....	161,190	31.19	64,870	29.19
Occupational health and safety specialists and technicians.....	98,830	33.71	70,120	32.56
Occupational health and safety specialists.....	81,330	35.38	73,600	34.51
Occupational health and safety technicians.....	17,490	25.93	53,930	24.02
Miscellaneous health practitioners and technical workers.....	62,360	27.19	56,550	23.72
Athletic trainers.....	25,010	(?)	48,630	(?)
Genetic counselors.....	2,660	37.56	78,130	37.25
Healthcare practitioners and technical workers, all other.....	34,700	29.13	60,600	24.77
Healthcare support occupations				
	4,113,410	15.05	31,310	13.80
Nursing, psychiatric, and home health aides.....	2,393,040	13.03	27,110	12.31
Nursing, psychiatric, and home health aides.....	2,393,040	13.03	27,110	12.31

See footnotes at end of table.

Table 1. National employment and wage data from the Occupational Employment Statistics survey by occupation, May 2017- Continued

Occupation	Employment	Mean wages		Median hourly wages
		Hourly	Annual ¹	
Healthcare support occupations (Continued)				
Home health aides.....	820,960	\$11.67	\$24,280	\$11.16
Psychiatric aides.....	65,770	14.10	29,330	13.04
Nursing assistants.....	1,453,670	13.72	28,540	13.23
Orderlies.....	52,630	13.94	28,990	13.07
Occupational therapy and physical therapist assistants and aides.....	188,850	23.70	49,300	24.28
Occupational therapy assistants and aides.....	49,390	26.66	55,450	27.25
Occupational therapy assistants.....	41,650	28.59	59,470	28.51
Occupational therapy aides.....	7,740	16.24	33,780	14.04
Physical therapist assistants and aides.....	139,460	22.65	47,120	22.56
Physical therapist assistants.....	90,170	27.70	57,620	27.61
Physical therapist aides.....	49,290	13.42	27,910	12.37
Other healthcare support occupations.....	1,531,520	17.14	35,650	16.31
Massage therapists.....	103,300	21.61	44,950	19.23
Miscellaneous healthcare support occupations.....	1,428,220	16.82	34,980	16.18
Dental assistants.....	337,160	18.60	38,690	18.09
Medical assistants.....	646,320	16.15	33,580	15.61
Medical equipment preparers.....	53,920	17.82	37,060	17.00
Medical transcriptionists.....	55,880	17.50	36,400	16.95
Pharmacy aides.....	35,960	13.96	29,030	12.56
Veterinary assistants and laboratory animal caretakers.....	84,400	13.26	27,570	12.57
Phlebotomists.....	122,550	16.69	34,710	16.19
Healthcare support workers, all other.....	92,030	18.56	38,600	17.89
Protective service occupations	3,408,680	22.69	47,190	19.01
Supervisors of protective service workers.....	280,260	35.97	74,810	33.38
First-line supervisors of law enforcement workers.....	147,140	40.62	84,490	38.52
First-line supervisors of correctional officers.....	42,280	32.15	66,880	30.05
First-line supervisors of police and detectives.....	104,860	44.03	91,590	42.26
First-line supervisors of fire fighting and prevention workers.....	58,690	38.19	79,430	36.62
First-line supervisors of protective service workers, all other.....	74,430	25.02	52,040	23.77
Fire fighting and prevention workers.....	333,760	25.13	52,260	23.76
Firefighters.....	319,860	24.97	51,930	23.60
Fire inspectors.....	13,900	28.83	59,960	27.25
Fire inspectors and investigators.....	11,940	29.93	62,260	28.49
Forest fire inspectors and prevention specialists.....	1,960	22.11	45,990	17.97
Law enforcement workers.....	1,235,290	28.75	59,790	26.21
Bailiffs, correctional officers, and jailers.....	447,350	22.86	47,540	20.92
Bailiffs.....	18,480	22.21	46,190	20.65
Correctional officers and jailers.....	428,870	22.88	47,600	20.93
Detectives and criminal investigators.....	105,350	40.06	83,320	38.45
Fish and game wardens.....	6,020	28.16	58,570	27.12
Parking enforcement workers.....	8,660	19.63	40,840	18.76
Police officers.....	667,910	31.03	64,540	29.41
Police and sheriff's patrol officers.....	662,390	31.00	64,490	29.35
Transit and railroad police.....	5,520	34.27	71,280	33.79
Other protective service workers.....	1,559,360	14.98	31,170	13.05
Animal control workers.....	12,700	18.07	37,580	17.08
Private detectives and investigators.....	30,980	26.48	55,080	24.38
Security guards and gaming surveillance officers.....	1,115,730	14.80	30,780	12.96
Gaming surveillance officers and gaming investigators.....	10,290	17.39	36,160	15.99
Security guards.....	1,105,440	14.78	30,730	12.93
Miscellaneous protective service workers.....	399,960	14.51	30,180	12.58
Crossing guards.....	76,440	14.50	30,170	13.28
Lifeguards, ski patrol, and other recreational protective service workers.....	145,660	11.33	23,570	10.24
Transportation security screeners.....	42,470	19.69	40,960	19.51
Protective service workers, all other.....	135,390	16.31	33,930	14.54
Food preparation and serving related occupations	13,193,090	11.88	24,710	10.53
Supervisors of food preparation and serving workers.....	1,058,870	17.89	37,220	16.06
Supervisors of food preparation and serving workers.....	1,058,870	17.89	37,220	16.06
Chefs and head cooks.....	131,430	23.87	49,650	22.09
First-line supervisors of food preparation and serving workers.....	927,440	17.05	35,460	15.37
Cooks and food preparation workers.....	3,207,700	12.04	25,040	11.36
Cooks.....	2,375,000	12.23	25,440	11.52
Cooks, fast food.....	503,780	10.39	21,610	10.12
Cooks, institution and cafeteria.....	404,120	13.20	27,450	12.43
Cooks, private household.....	500	20.67	42,990	18.40
Cooks, restaurant.....	1,276,510	12.71	26,440	12.10
Cooks, short order.....	174,230	11.57	24,060	10.93
Cooks, all other.....	15,870	14.38	29,900	13.46
Food preparation workers.....	832,690	11.49	23,900	10.93
Food and beverage serving workers.....	7,515,370	11.16	23,220	9.86
Bartenders.....	613,350	12.63	26,260	10.43
Fast food and counter workers.....	4,053,160	10.28	21,380	9.73
Combined food preparation and serving workers, including fast food.....	3,576,220	10.21	21,230	9.70
Counter attendants, cafeteria, food concession, and coffee shop.....	476,940	10.83	22,530	10.23
Waiters and waitresses.....	2,584,220	12.15	25,280	10.01
Food servers, nonrestaurant.....	264,630	11.61	24,150	10.73

See footnotes at end of table.

Table 1. National employment and wage data from the Occupational Employment Statistics survey by occupation, May 2017- Continued

Occupation	Employment	Mean wages		Median hourly wages
		Hourly	Annual ¹	
Food preparation and serving related occupations (Continued)				
Other food preparation and serving related workers.....	1,411,160	\$10.86	\$22,580	\$10.33
Dining room and cafeteria attendants and bartender helpers.....	436,730	11.08	23,050	10.18
Dishwashers.....	503,540	10.68	22,210	10.34
Hosts and hostesses, restaurant, lounge, and coffee shop.....	414,540	10.72	22,290	10.06
Food preparation and serving related workers, all other.....	56,350	11.72	24,380	10.88
Building and grounds cleaning and maintenance occupations				
	4,424,440	13.91	28,930	12.32
Supervisors of building and grounds cleaning and maintenance workers.....	255,410	21.82	45,380	20.28
First-line supervisors of building and grounds cleaning and maintenance workers.....	255,410	21.82	45,380	20.28
First-line supervisors of housekeeping and janitorial workers.....	155,090	20.37	42,380	18.86
First-line supervisors of landscaping, lawn service, and groundskeeping workers.....	100,320	24.05	50,020	22.61
Building cleaning and pest control workers.....	3,176,790	13.06	27,170	11.71
Building cleaning workers.....	3,101,660	12.95	26,940	11.65
Janitors and cleaners, except maids and housekeeping cleaners.....	2,164,040	13.41	27,900	12.02
Maids and housekeeping cleaners.....	922,660	11.84	24,630	10.99
Building cleaning workers, all other.....	14,970	15.23	31,690	13.97
Pest control workers.....	75,130	17.60	36,610	16.52
Grounds maintenance workers.....	992,240	14.58	30,330	13.51
Grounds maintenance workers.....	992,240	14.58	30,330	13.51
Landscaping and groundskeeping workers.....	912,360	14.28	29,700	13.31
Pesticide handlers, sprayers, and applicators, vegetation.....	25,900	17.97	37,370	16.74
Tree trimmers and pruners.....	41,140	18.55	38,580	17.53
Grounds maintenance workers, all other.....	12,840	16.75	34,850	14.45
Personal care and service occupations				
	5,159,100	13.11	27,270	11.35
Supervisors of personal care and service workers.....	244,300	20.04	41,690	18.51
First-line supervisors of gaming workers.....	30,670	23.85	49,600	23.49
First-line supervisors of personal service workers.....	213,620	19.50	40,550	18.01
Animal care and service workers.....	204,850	12.42	25,840	11.13
Animal trainers.....	14,340	16.71	34,760	13.88
Nonfarm animal caretakers.....	190,520	12.10	25,170	11.03
Entertainment attendants and related workers.....	586,270	11.25	23,390	10.09
Gaming services workers.....	115,130	11.51	23,950	9.73
Gaming dealers.....	94,260	11.02	22,910	9.53
Gaming and sports book writers and runners.....	11,210	13.25	27,550	11.55
Gaming service workers, all other.....	9,660	14.38	29,910	13.00
Motion picture projectionists.....	5,700	11.92	24,790	10.60
Ushers, lobby attendants, and ticket takers.....	124,710	10.85	22,580	10.01
Miscellaneous entertainment attendants and related workers.....	340,740	11.29	23,480	10.27
Amusement and recreation attendants.....	310,970	10.94	22,760	10.13
Costume attendants.....	6,430	22.93	47,700	20.49
Locker room, coatroom, and dressing room attendants.....	17,950	12.34	25,670	10.98
Entertainment attendants and related workers, all other.....	5,390	13.95	29,010	11.63
Funeral service workers.....	64,630	19.12	39,780	15.53
Embalmers.....	4,200	21.65	45,040	20.57
Funeral attendants.....	34,970	13.04	27,120	12.04
Morticians, undertakers, and funeral directors.....	25,460	27.07	56,300	24.93
Personal appearance workers.....	536,550	14.35	29,840	11.73
Barbers, hairdressers, hairstylists and cosmetologists.....	370,710	14.66	30,480	11.97
Barbers.....	18,810	14.65	30,480	12.33
Hairdressers, hairstylists, and cosmetologists.....	351,910	14.66	30,490	11.95
Miscellaneous personal appearance workers.....	165,830	13.66	28,410	11.44
Makeup artists, theatrical and performance.....	3,540	33.32	69,310	28.51
Manicurists and pedicurists.....	104,020	12.01	24,980	11.17
Shampooers.....	13,330	10.41	21,650	9.77
Skincare specialists.....	44,940	16.89	35,130	14.46
Baggage porters, bellhops, and concierges.....	78,370	14.00	29,110	12.36
Baggage porters, bellhops, and concierges.....	78,370	14.00	29,110	12.36
Baggage porters and bellhops.....	42,620	12.55	26,100	11.17
Concierges.....	35,750	15.72	32,700	14.49
Tour and travel guides.....	46,140	14.03	29,180	12.39
Tour and travel guides.....	46,140	14.03	29,180	12.39
Other personal care and service workers.....	3,397,990	12.63	26,280	11.29
Childcare workers.....	562,420	11.42	23,760	10.72
Personal care aides.....	2,035,610	11.59	24,100	11.11
Recreation and fitness workers.....	632,430	16.79	34,930	13.72
Fitness trainers and aerobics instructors.....	280,080	21.02	43,720	18.85
Recreation workers.....	352,350	13.44	27,950	11.80
Residential advisors.....	110,720	13.87	28,850	12.90
Personal care and service workers, all other.....	56,820	13.35	27,760	12.45
Sales and related occupations				
	14,522,580	19.56	40,680	12.99
Supervisors of sales workers.....	1,452,010	24.27	50,480	20.12
First-line supervisors of sales workers.....	1,452,010	24.27	50,480	20.12
First-line supervisors of retail sales workers.....	1,200,180	20.95	43,580	18.54
First-line supervisors of non-retail sales workers.....	251,830	40.08	83,370	34.45
Retail sales workers.....	8,729,350	12.29	25,560	10.77
Cashiers.....	3,588,960	10.65	22,160	10.12
Cashiers.....	3,564,920	10.64	22,130	10.11

See footnotes at end of table.

Table 1. National employment and wage data from the Occupational Employment Statistics survey by occupation, May 2017- Continued

Occupation	Employment	Mean wages		Median hourly wages
		Hourly	Annual ¹	
Sales and related occupations (Continued)				
Gaming change persons and booth cashiers.....	24,050	\$12.48	\$25,950	\$11.50
Counter and rental clerks and parts salespersons.....	698,300	14.85	30,890	13.04
Counter and rental clerks.....	445,530	14.30	29,740	12.41
Parts salespersons.....	252,770	15.83	32,920	14.13
Retail salespersons.....	4,442,090	13.20	27,460	11.16
Sales representatives, services.....	1,983,790	33.50	69,680	25.22
Advertising sales agents.....	136,520	29.34	61,020	23.89
Insurance sales agents.....	386,320	32.21	66,990	23.90
Securities, commodities, and financial services sales agents.....	389,610	46.85	97,440	30.66
Travel agents.....	67,330	19.64	40,840	17.78
Sales representatives, services, all other.....	1,004,020	30.31	63,050	25.24
Sales representatives, wholesale and manufacturing.....	1,718,580	34.88	72,540	29.01
Sales representatives, wholesale and manufacturing.....	1,718,580	34.88	72,540	29.01
Sales representatives, wholesale and manufacturing, technical and scientific products.....	327,190	44.24	92,010	37.90
Sales representatives, wholesale and manufacturing, except technical and scientific products.....	1,391,400	32.67	67,960	27.39
Other sales and related workers.....	638,860	23.72	49,340	16.17
Models, demonstrators, and product promoters.....	88,500	15.30	31,830	12.97
Demonstrators and product promoters.....	84,780	15.30	31,830	13.01
Models.....	3,710	15.32	31,870	11.01
Real estate brokers and sales agents.....	188,490	30.35	63,130	23.02
Real estate brokers.....	40,530	36.50	75,910	27.28
Real estate sales agents.....	147,960	28.67	59,630	22.11
Sales engineers.....	70,820	51.42	106,950	47.46
Telemarketers.....	189,670	13.30	27,670	11.76
Miscellaneous sales and related workers.....	101,380	18.89	39,300	15.79
Door-to-door sales workers, news and street vendors, and related workers.....	7,520	13.59	28,260	11.45
Sales and related workers, all other.....	93,860	19.32	40,180	16.30
Office and administrative support occupations				
Supervisors of office and administrative support workers.....	21,965,480	18.24	37,950	16.70
First-line supervisors of office and administrative support workers.....	1,458,380	28.14	58,540	26.47
Communications equipment operators.....	88,680	15.09	31,390	14.02
Switchboard operators, including answering service.....	80,380	14.69	30,550	13.80
Telephone operators.....	6,310	18.47	38,410	17.46
Communications equipment operators, all other.....	1,980	20.63	42,910	19.94
Financial clerks.....	3,044,000	18.55	38,580	17.56
Bill and account collectors.....	271,700	18.10	37,650	16.99
Billing and posting clerks.....	476,010	18.49	38,460	17.72
Bookkeeping, accounting, and auditing clerks.....	1,532,340	19.76	41,110	18.87
Gaming cage workers.....	17,030	13.57	28,210	12.65
Payroll and timekeeping clerks.....	152,990	21.61	44,950	21.10
Procurement clerks.....	70,510	20.35	42,320	20.15
Tellers.....	491,150	13.89	28,880	13.52
Financial clerks, all other.....	32,260	20.49	42,630	19.22
Information and record clerks.....	5,694,680	16.79	34,930	15.51
Brokerage clerks.....	58,930	25.41	52,850	23.94
Correspondence clerks.....	6,370	18.32	38,100	17.61
Court, municipal, and license clerks.....	133,330	19.11	39,760	17.93
Credit authorizers, checkers, and clerks.....	34,350	19.07	39,670	17.93
Customer service representatives.....	2,767,790	17.14	35,650	15.81
Eligibility interviewers, government programs.....	140,590	21.45	44,620	21.35
File clerks.....	118,840	15.48	32,200	14.48
Hotel, motel, and resort desk clerks.....	253,540	11.66	24,250	10.99
Interviewers, except eligibility and loan.....	189,600	16.62	34,570	15.92
Library assistants, clerical.....	94,140	13.54	28,170	12.41
Loan interviewers and clerks.....	227,430	19.52	40,610	18.78
New accounts clerks.....	41,680	17.58	36,560	16.95
Order clerks.....	169,120	16.99	35,330	16.11
Human resources assistants, except payroll and timekeeping.....	134,570	19.57	40,700	18.98
Receptionists and information clerks.....	1,014,900	14.25	29,640	13.65
Reservation and transportation ticket agents and travel clerks.....	148,220	19.16	39,850	17.44
Information and record clerks, all other.....	161,250	19.56	40,690	19.16
Material recording, scheduling, dispatching, and distributing workers.....	4,152,650	16.73	34,790	14.95
Cargo and freight agents.....	89,920	21.62	44,980	20.11
Couriers and messengers.....	76,710	14.42	30,000	13.58
Dispatchers.....	293,970	20.24	42,110	18.79
Police, fire, and ambulance dispatchers.....	95,450	20.20	42,020	19.06
Dispatchers, except police, fire, and ambulance.....	198,520	20.26	42,150	18.65
Meter readers, utilities.....	33,860	20.87	43,410	18.86
Postal service workers.....	531,750	24.04	50,010	27.53
Postal service clerks.....	82,890	23.91	49,730	28.15
Postal service mail carriers.....	336,900	24.05	50,020	27.40
Postal service mail sorters, processors, and processing machine operators.....	111,960	24.12	50,160	27.53
Production, planning, and expediting clerks.....	336,000	23.57	49,020	22.44
Shipping, receiving, and traffic clerks.....	671,780	16.25	33,790	15.29
Stock clerks and order fillers.....	2,046,040	13.20	27,450	11.77
Weighers, measurers, checkers, and samplers, recordkeeping.....	72,630	15.54	32,330	14.51
Secretaries and administrative assistants.....	3,613,300	19.74	41,060	18.21
Secretaries and administrative assistants.....	3,613,300	19.74	41,060	18.21
Executive secretaries and executive administrative assistants.....	596,080	28.56	59,400	27.60

See footnotes at end of table.

Table 1. National employment and wage data from the Occupational Employment Statistics survey by occupation, May 2017- Continued

Occupation	Employment	Mean wages		Median hourly wages
		Hourly	Annual ¹	
Office and administrative support occupations (Continued)				
Legal secretaries.....	185,870	\$23.37	\$48,600	\$21.51
Medical secretaries.....	576,520	17.25	35,870	16.64
Secretaries and administrative assistants, except legal, medical, and executive.....	2,254,820	17.75	36,920	17.11
Other office and administrative support workers.....	3,913,800	16.73	34,800	15.66
Computer operators.....	40,400	21.79	45,320	21.28
Data entry and information processing workers.....	245,300	16.73	34,800	15.85
Data entry keyers.....	180,100	15.64	32,530	14.87
Word processors and typists.....	65,200	19.74	41,070	19.11
Desktop publishers.....	12,000	21.72	45,170	20.36
Insurance claims and policy processing clerks.....	277,130	19.76	41,090	18.65
Mail clerks and mail machine operators, except postal service.....	85,800	15.00	31,200	14.24
Office clerks, general.....	2,967,620	16.30	33,910	15.14
Office machine operators, except computer.....	54,950	15.96	33,190	15.08
Proofreaders and copy markers.....	11,420	19.43	40,410	18.05
Statistical assistants.....	10,110	23.60	49,090	22.79
Office and administrative support workers, all other.....	209,070	17.96	37,360	17.11
Farming, fishing, and forestry occupations				
Supervisors of farming, fishing, and forestry workers.....	20,750	24.11	50,160	22.39
First-line supervisors of farming, fishing, and forestry workers.....	20,750	24.11	50,160	22.39
Agricultural workers.....	404,610	12.78	26,580	11.46
Agricultural inspectors.....	13,960	21.60	44,930	20.86
Animal breeders.....	1,800	20.89	43,450	18.06
Graders and sorters, agricultural products.....	39,810	11.84	24,620	11.22
Miscellaneous agricultural workers.....	349,040	12.49	25,990	11.40
Agricultural equipment operators.....	26,070	15.12	31,440	14.48
Farmworkers and laborers, crop, nursery, and greenhouse.....	282,300	12.05	25,070	11.24
Farmworkers, farm, ranch, and aquacultural animals.....	35,460	13.38	27,840	12.24
Agricultural workers, all other.....	5,210	17.27	35,910	14.71
Fishing and hunting workers.....	750	15.06	31,330	13.72
Fishers and related fishing workers.....	520	15.00	31,190	13.61
Forest, conservation, and logging workers.....	44,800	18.91	39,330	18.01
Forest and conservation workers.....	7,080	15.06	31,320	13.30
Logging workers.....	37,730	19.63	40,830	18.67
Fallers.....	5,420	22.56	46,930	19.56
Logging equipment operators.....	26,010	19.15	39,820	18.46
Log graders and scalers.....	3,010	18.61	38,710	18.21
Logging workers, all other.....	3,290	19.58	40,730	19.11
Construction and extraction occupations				
Supervisors of construction and extraction workers.....	556,300	33.27	69,200	30.80
First-line supervisors of construction trades and extraction workers.....	556,300	33.27	69,200	30.80
Construction trades workers.....	4,348,180	23.37	48,620	20.91
Boilermakers.....	15,020	30.30	63,010	29.93
Brickmasons, blockmasons, and stonemasons.....	76,770	24.84	51,670	23.17
Brickmasons and blockmasons.....	64,790	25.67	53,390	23.93
Stonemasons.....	11,990	20.37	42,370	18.72
Carpenters.....	693,050	23.86	49,630	21.71
Carpet, floor, and tile installers and finishers.....	81,130	21.65	45,030	19.35
Carpet installers.....	26,120	21.25	44,200	18.67
Floor layers, except carpet, wood, and hard tiles.....	11,860	21.41	44,530	19.25
Floor sanders and finishers.....	4,320	18.87	39,260	17.77
Tile and marble setters.....	38,820	22.30	46,370	20.04
Cement masons, concrete finishers, and terrazzo workers.....	181,270	21.87	45,490	19.54
Cement masons and concrete finishers.....	178,640	21.87	45,490	19.54
Terrazzo workers and finishers.....	2,630	21.89	45,520	19.51
Construction laborers.....	962,060	18.70	38,890	16.60
Construction equipment operators.....	418,760	24.54	51,050	22.15
Paving, surfacing, and tamping equipment operators.....	49,760	21.10	43,890	18.81
Pile-driver operators.....	3,710	30.66	63,770	27.72
Operating engineers and other construction equipment operators.....	365,300	24.95	51,890	22.61
Drywall installers, ceiling tile installers, and tapers.....	114,630	24.15	50,240	21.14
Drywall and ceiling tile installers.....	96,550	23.68	49,250	20.60
Tapers.....	18,080	26.70	55,540	24.82
Electricians.....	631,080	27.84	57,910	26.01
Glaziers.....	47,330	22.83	47,480	20.47
Insulation workers.....	55,930	21.68	45,090	19.20
Insulation workers, floor, ceiling, and wall.....	31,100	19.52	40,600	17.81
Insulation workers, mechanical.....	24,840	24.38	50,710	21.90
Painters and paperhangers.....	224,050	20.11	41,830	18.24
Painters, construction and maintenance.....	221,340	20.12	41,840	18.25
Paperhangers.....	2,710	19.68	40,930	17.80
Pipelayers, plumbers, pipefitters, and steamfitters.....	466,950	26.89	55,920	24.72
Pipelayers.....	38,690	20.77	43,210	18.46
Plumbers, pipefitters, and steamfitters.....	428,260	27.44	57,070	25.28
Plasterers and stucco masons.....	24,180	21.83	45,410	19.59
Reinforcing iron and rebar workers.....	18,480	26.09	54,270	22.52
Roofers.....	121,170	20.57	42,780	18.74

See footnotes at end of table.

Table 1. National employment and wage data from the Occupational Employment Statistics survey by occupation, May 2017- Continued

Occupation	Employment	Mean wages		Median hourly wages
		Hourly	Annual ¹	
Construction and extraction occupations (Continued)				
Sheet metal workers.....	132,920	\$25.05	\$52,100	\$23.07
Structural iron and steel workers.....	74,420	27.37	56,940	25.30
Solar photovoltaic installers.....	9,000	20.68	43,010	18.98
Helpers, construction trades.....	229,470	15.38	31,980	14.48
Helpers, construction trades.....	229,470	15.38	31,980	14.48
Helpers--brickmasons, blockmasons, stonemasons, and tile and marble setters.....	24,660	16.84	35,020	15.25
Helpers--carpenters.....	33,740	14.95	31,100	14.35
Helpers--electricians.....	72,580	15.40	32,040	14.68
Helpers--painters, paperhangers, plasterers, and stucco masons.....	11,000	14.70	30,570	13.83
Helpers--pipelayers, plumbers, pipefitters, and steamfitters.....	54,790	15.31	31,830	14.37
Helpers--roofers.....	9,550	14.28	29,710	13.70
Helpers, construction trades, all other.....	23,140	15.30	31,830	14.26
Other construction and related workers.....	410,610	23.52	48,920	21.20
Construction and building inspectors.....	98,810	29.82	62,020	28.41
Elevator installers and repairers.....	24,490	37.08	77,130	38.21
Fence erectors.....	21,430	17.43	36,260	16.02
Hazardous materials removal workers.....	43,260	22.27	46,330	19.91
Highway maintenance workers.....	146,580	19.38	40,300	18.61
Rail-track laying and maintenance equipment operators.....	15,070	27.10	56,360	26.95
Septic tank servicers and sewer pipe cleaners.....	26,250	19.52	40,590	18.25
Miscellaneous construction and related workers.....	34,720	20.30	42,220	18.29
Extraction workers.....	183,900	22.83	47,480	21.19
Derrick, rotary drill, and service unit operators, oil, gas, and mining.....	64,240	25.56	53,170	23.56
Derrick operators, oil and gas.....	9,590	22.84	47,510	22.18
Rotary drill operators, oil and gas.....	15,370	27.01	56,180	25.95
Service unit operators, oil, gas, and mining.....	39,270	25.66	53,370	23.21
Earth drillers, except oil and gas.....	17,470	22.83	47,480	21.08
Explosives workers, ordnance handling experts, and blasters.....	5,850	25.38	52,790	23.87
Mining machine operators.....	20,240	25.82	53,710	25.58
Continuous mining machine operators.....	12,000	26.46	55,040	26.26
Mine cutting and channeling machine operators.....	5,400	25.17	52,360	25.13
Mining machine operators, all other.....	2,840	24.36	50,670	23.49
Rock splitters, quarry.....	4,310	17.33	36,050	16.51
Roof bolters, mining.....	3,410	28.52	59,310	28.10
Roustabouts, oil and gas.....	48,140	19.16	39,850	17.77
Helpers--extraction workers.....	15,280	17.73	36,870	17.17
Extraction workers, all other.....	4,970	24.37	50,690	23.67
Installation, maintenance, and repair occupations	5,528,390	23.02	47,870	21.40
Supervisors of installation, maintenance, and repair workers.....	460,370	32.75	68,120	31.15
First-line supervisors of mechanics, installers, and repairers.....	460,370	32.75	68,120	31.15
Electrical and electronic equipment mechanics, installers, and repairers.....	593,710	25.00	52,010	23.81
Computer, automated teller, and office machine repairers.....	100,580	19.30	40,140	18.13
Radio and telecommunications equipment installers and repairers.....	249,000	26.52	55,160	25.76
Radio, cellular, and tower equipment installers and repairers.....	15,310	27.43	57,050	26.92
Telecommunications equipment installers and repairers, except line installers.....	233,690	26.46	55,030	25.67
Miscellaneous electrical and electronic equipment mechanics, installers, and repairers.....	244,120	25.81	53,680	24.82
Avionics technicians.....	18,620	30.60	63,650	30.12
Electric motor, power tool, and related repairers.....	17,220	22.23	46,230	20.47
Electrical and electronics installers and repairers, transportation equipment.....	12,310	29.82	62,030	29.25
Electrical and electronics repairers, commercial and industrial equipment.....	64,380	28.00	58,250	27.49
Electrical and electronics repairers, powerhouse, substation, and relay.....	24,430	37.39	77,770	37.70
Electronic equipment installers and repairers, motor vehicles.....	11,520	17.33	36,050	16.60
Electronic home entertainment equipment installers and repairers.....	25,810	18.74	38,980	17.88
Security and fire alarm systems installers.....	69,830	22.64	47,100	21.96
Vehicle and mobile equipment mechanics, installers, and repairers.....	1,596,660	21.62	44,970	20.25
Aircraft mechanics and service technicians.....	131,500	30.07	62,540	29.34
Automotive technicians and repairers.....	804,200	20.68	43,020	19.12
Automotive body and related repairers.....	144,320	21.94	45,630	20.18
Automotive glass installers and repairers.....	20,190	17.23	35,830	16.43
Automotive service technicians and mechanics.....	639,700	20.51	42,660	19.02
Bus and truck mechanics and diesel engine specialists.....	260,380	23.08	48,000	22.29
Heavy vehicle and mobile equipment service technicians and mechanics.....	190,100	24.42	50,800	23.77
Farm equipment mechanics and service technicians.....	34,410	19.65	40,880	18.91
Mobile heavy equipment mechanics, except engines.....	131,590	25.18	52,370	24.45
Rail car repairers.....	24,090	27.11	56,380	27.62
Small engine mechanics.....	68,300	18.36	38,190	17.30
Motorboat mechanics and service technicians.....	21,160	19.88	41,350	18.73
Motorcycle mechanics.....	15,850	18.40	38,270	17.15
Outdoor power equipment and other small engine mechanics.....	31,300	17.32	36,020	16.53
Miscellaneous vehicle and mobile equipment mechanics, installers, and repairers.....	142,190	14.28	29,700	13.31
Bicycle repairers.....	12,720	14.12	29,370	13.65
Recreational vehicle service technicians.....	14,780	18.83	39,160	17.89
Tire repairers and changers.....	114,690	13.71	28,510	12.84
Other installation, maintenance, and repair occupations.....	2,877,650	21.82	45,390	20.20
Control and valve installers and repairers.....	68,700	25.34	52,710	23.57
Mechanical door repairers.....	21,010	19.93	41,460	19.00
Control and valve installers and repairers, except mechanical door.....	47,700	27.72	57,660	26.85
Heating, air conditioning, and refrigeration mechanics and installers.....	307,060	23.81	49,530	22.64
Home appliance repairers.....	32,250	19.61	40,790	18.35

See footnotes at end of table.

Table 1. National employment and wage data from the Occupational Employment Statistics survey by occupation, May 2017- Continued

Occupation	Employment	Mean wages		Median hourly wages
		Hourly	Annual ¹	
Installation, maintenance, and repair occupations (Continued)				
Industrial machinery installation, repair, and maintenance workers.....	467,450	\$25.12	\$52,250	\$24.25
Industrial machinery mechanics.....	341,260	25.54	53,110	24.69
Maintenance workers, machinery.....	83,520	22.71	47,240	21.89
Millwrights.....	41,360	26.58	55,290	25.95
Refractory materials repairers, except brickmasons.....	1,310	24.08	50,080	23.35
Line installers and repairers.....	223,740	30.19	62,790	30.86
Electrical power-line installers and repairers.....	116,650	33.04	68,710	33.36
Telecommunications line installers and repairers.....	107,090	27.09	56,340	26.47
Precision instrument and equipment repairers.....	69,700	24.41	50,760	23.04
Camera and photographic equipment repairers.....	3,650	20.44	42,510	19.60
Medical equipment repairers.....	43,670	25.13	52,260	23.47
Musical instrument repairers and tuners.....	8,240	18.77	39,040	17.56
Watch repairers.....	2,130	19.01	39,530	17.20
Precision instrument and equipment repairers, all other.....	12,010	27.81	57,850	27.37
Maintenance and repair workers, general.....	1,351,210	19.37	40,280	18.11
Wind turbine service technicians.....	4,390	27.25	56,680	25.91
Miscellaneous installation, maintenance, and repair workers.....	353,160	18.76	39,020	16.93
Coin, vending, and amusement machine servicers and repairers.....	34,010	16.97	35,290	16.20
Commercial divers.....	3,280	26.57	55,270	22.70
Fabric menders, except garment.....	390	14.20	29,530	13.77
Locksmiths and safe repairers.....	17,500	20.54	42,730	19.56
Manufactured building and mobile home installers.....	2,750	15.29	31,810	14.88
Riggers.....	21,000	24.17	50,270	23.36
Signal and track switch repairers.....	8,300	31.61	65,750	32.88
Helpers--installation, maintenance, and repair workers.....	112,080	14.63	30,430	13.70
Installation, maintenance, and repair workers, all other.....	153,850	20.43	42,500	18.65
Production occupations	9,024,560	18.30	38,070	16.34
Supervisors of production workers.....	611,800	30.13	62,660	28.31
First-line supervisors of production and operating workers.....	611,800	30.13	62,660	28.31
Assemblers and fabricators.....	1,759,720	16.62	34,560	15.31
Aircraft structure, surfaces, rigging, and systems assemblers.....	41,130	26.64	55,400	25.73
Electrical, electronics, and electromechanical assemblers.....	276,340	16.78	34,910	15.66
Coil winders, tapers, and finishers.....	13,300	16.86	35,080	16.01
Electrical, electronic, and electromechanical assemblers, except coil winders, tapers, and finishers.....	263,040	16.78	34,900	15.64
Engine and other machine assemblers.....	37,770	21.40	44,520	20.86
Structural metal fabricators and fitters.....	77,600	19.47	40,490	18.49
Miscellaneous assemblers and fabricators.....	1,326,870	15.97	33,210	14.77
Fiberglass laminators and fabricators.....	20,040	16.81	34,960	15.52
Timing device assemblers and adjusters.....	680	17.94	37,310	16.73
Assemblers and fabricators, all other, including team assemblers.....	1,306,150	15.95	33,180	14.75
Food processing workers.....	795,240	13.98	29,070	13.00
Bakers.....	182,890	13.42	27,920	12.35
Butchers and other meat, poultry, and fish processing workers.....	362,380	13.92	28,960	13.14
Butchers and meat cutters.....	131,530	15.66	32,570	14.85
Meat, poultry, and fish cutters and trimmers.....	153,280	12.71	26,430	12.14
Slaughterers and meat packers.....	77,570	13.38	27,830	13.23
Miscellaneous food processing workers.....	249,970	14.46	30,080	13.29
Food and tobacco roasting, baking, and drying machine operators and tenders.....	21,130	15.23	31,680	14.14
Food batchmakers.....	151,950	14.85	30,880	13.70
Food cooking machine operators and tenders.....	33,340	14.54	30,240	13.66
Food processing workers, all other.....	43,540	12.69	26,390	11.76
Metal workers and plastic workers.....	1,895,150	19.54	40,650	18.37
Computer control programmers and operators.....	168,450	20.72	43,100	19.56
Computer-controlled machine tool operators, metal and plastic.....	144,660	19.72	41,010	18.86
Computer numerically controlled machine tool programmers, metal and plastic.....	23,790	26.81	55,770	25.26
Forming machine setters, operators, and tenders, metal and plastic.....	117,450	18.05	37,540	17.26
Extruding and drawing machine setters, operators, and tenders, metal and plastic.....	73,530	17.33	36,050	16.63
Forging machine setters, operators, and tenders, metal and plastic.....	18,300	19.39	40,340	18.58
Rolling machine setters, operators, and tenders, metal and plastic.....	25,610	19.15	39,840	18.20
Machine tool cutting setters, operators, and tenders, metal and plastic.....	321,590	17.37	36,140	16.46
Cutting, punching, and press machine setters, operators, and tenders, metal and plastic.....	188,520	16.72	34,770	15.90
Drilling and boring machine tool setters, operators, and tenders, metal and plastic.....	11,030	19.65	40,870	17.92
Grinding, lapping, polishing, and buffing machine tool setters, operators, and tenders, metal and plastic.....	74,600	17.08	35,520	16.10
Lathe and turning machine tool setters, operators, and tenders, metal and plastic.....	29,620	19.38	40,310	18.55
Milling and planing machine setters, operators, and tenders, metal and plastic.....	17,820	20.83	43,330	20.51
Machinists.....	378,320	21.23	44,160	20.48
Metal furnace operators, tenders, pourers, and casters.....	25,210	19.81	41,210	19.35
Metal-refining furnace operators and tenders.....	17,610	20.08	41,770	19.85
Pourers and casters, metal.....	7,600	19.20	39,930	18.37
Model makers and patternmakers, metal and plastic.....	9,010	24.83	51,650	24.22
Model makers, metal and plastic.....	5,820	26.35	54,820	25.80
Patternmakers, metal and plastic.....	3,200	22.06	45,880	21.65
Molders and molding machine setters, operators, and tenders, metal and plastic.....	168,820	16.25	33,810	15.10
Foundry mold and coremakers.....	13,960	17.52	36,440	16.90
Molding, coremaking, and casting machine setters, operators, and tenders, metal and plastic.....	154,860	16.14	33,570	14.95
Multiple machine tool setters, operators, and tenders, metal and plastic.....	121,160	17.62	36,650	16.73
Tool and die makers.....	73,510	25.60	53,260	25.23
Welding, soldering, and brazing workers.....	416,000	20.67	42,980	19.19

See footnotes at end of table.

Table 1. National employment and wage data from the Occupational Employment Statistics survey by occupation, May 2017- Continued

Occupation	Employment	Mean wages		Median hourly wages
		Hourly	Annual ¹	
Production occupations (Continued)				
Welders, cutters, solderers, and brazers.....	377,250	\$20.87	\$43,410	\$19.35
Welding, soldering, and brazing machine setters, operators, and tenders.....	38,750	18.69	38,880	17.88
Miscellaneous metal workers and plastic workers.....	95,620	18.02	37,490	17.01
Heat treating equipment setters, operators, and tenders, metal and plastic.....	19,340	18.62	38,720	17.93
Layout workers, metal and plastic.....	8,550	22.54	46,890	22.26
Plating and coating machine setters, operators, and tenders, metal and plastic.....	37,200	16.55	34,430	15.35
Tool grinders, filers, and sharpeners.....	8,060	18.65	38,800	17.50
Metal workers and plastic workers, all other.....	22,470	18.00	37,440	17.22
Printing workers.....	251,310	18.08	37,610	17.09
Printing workers.....	251,310	18.08	37,610	17.09
Prepress technicians and workers.....	31,500	20.08	41,770	19.19
Printing press operators.....	171,130	18.20	37,860	17.19
Print binding and finishing workers.....	48,680	16.36	34,040	15.40
Textile, apparel, and furnishings workers.....	572,630	12.89	26,810	11.72
Laundry and dry-cleaning workers.....	209,350	11.43	23,770	10.75
Pressers, textile, garment, and related materials.....	42,830	11.09	23,080	10.79
Sewing machine operators.....	136,530	12.62	26,250	11.69
Shoe and leather workers.....	10,680	13.24	27,540	12.62
Shoe and leather workers and repairers.....	7,180	13.25	27,550	12.31
Shoe machine operators and tenders.....	3,500	13.23	27,530	13.18
Tailors, dressmakers, and sewers.....	26,620	14.94	31,080	13.42
Sewers, hand.....	6,190	13.24	27,540	12.61
Tailors, dressmakers, and custom sewers.....	20,440	15.46	32,150	13.75
Textile machine setters, operators, and tenders.....	75,810	13.90	28,900	13.47
Textile bleaching and dyeing machine operators and tenders.....	9,800	14.02	29,150	13.60
Textile cutting machine setters, operators, and tenders.....	14,150	13.65	28,400	12.93
Textile knitting and weaving machine setters, operators, and tenders.....	20,920	13.99	29,100	13.44
Textile winding, twisting, and drawing out machine setters, operators, and tenders.....	30,940	13.91	28,920	13.59
Miscellaneous textile, apparel, and furnishings workers.....	70,810	16.91	35,180	15.71
Extruding and forming machine setters, operators, and tenders, synthetic and glass fibers.....	18,880	16.69	34,720	16.09
Fabric and apparel patternmakers.....	4,810	23.89	49,690	19.45
Upholsterers.....	32,500	16.85	35,060	16.18
Textile, apparel, and furnishings workers, all other.....	14,610	15.04	31,280	12.82
Woodworkers.....	255,070	15.82	32,900	14.86
Cabinetmakers and bench carpenters.....	97,820	17.18	35,740	16.31
Furniture finishers.....	17,530	15.95	33,170	15.05
Model makers and patternmakers, wood.....	1,630	24.94	51,880	24.75
Model makers, wood.....	850	25.00	52,000	24.11
Patternmakers, wood.....	770	24.88	51,760	25.18
Woodworking machine setters, operators, and tenders.....	131,600	14.66	30,490	13.99
Sawing machine setters, operators, and tenders, wood.....	51,950	14.74	30,670	13.98
Woodworking machine setters, operators, and tenders, except sawing.....	79,650	14.60	30,370	14.00
Woodworkers, all other.....	6,490	16.18	33,650	14.75
Plant and system operators.....	298,770	29.18	60,700	28.05
Power plant operators, distributors, and dispatchers.....	52,290	38.25	79,560	38.67
Nuclear power reactor operators.....	6,010	45.36	94,350	44.89
Power distributors and dispatchers.....	12,110	39.57	82,310	39.67
Power plant operators.....	34,170	36.53	75,970	37.10
Stationary engineers and boiler operators.....	32,790	30.15	62,710	28.79
Water and wastewater treatment plant and system operators.....	117,450	23.22	48,290	22.19
Miscellaneous plant and system operators.....	96,240	31.21	64,920	31.04
Chemical plant and system operators.....	30,290	29.63	61,620	29.89
Gas plant operators.....	14,890	33.46	69,600	33.19
Petroleum pump system operators, refinery operators, and gaugers.....	38,700	32.78	68,190	32.58
Plant and system operators, all other.....	12,360	27.48	57,150	27.08
Other production occupations.....	2,584,880	17.28	35,940	15.63
Chemical processing machine setters, operators, and tenders.....	126,320	22.87	47,560	21.21
Chemical equipment operators and tenders.....	77,870	24.37	50,690	22.98
Separating, filtering, clarifying, precipitating, and still machine setters, operators, and tenders.....	48,450	20.45	42,540	18.77
Crushing, grinding, polishing, mixing, and blending workers.....	191,200	17.90	37,230	16.87
Crushing, grinding, and polishing machine setters, operators, and tenders.....	31,390	17.90	37,220	17.01
Grinding and polishing workers, hand.....	30,320	14.83	30,840	13.86
Mixing and blending machine setters, operators, and tenders.....	129,490	18.62	38,730	17.59
Cutting workers.....	72,690	16.30	33,910	15.70
Cutters and trimmers, hand.....	12,230	14.60	30,360	13.56
Cutting and slicing machine setters, operators, and tenders.....	60,460	16.65	34,630	16.16
Extruding, forming, pressing, and compacting machine setters, operators, and tenders.....	76,120	17.03	35,430	16.19
Furnace, kiln, oven, drier, and kettle operators and tenders.....	18,030	18.89	39,280	18.07
Inspectors, testers, sorters, samplers, and weighers.....	537,500	19.73	41,040	17.95
Jewelers and precious stone and metal workers.....	25,710	20.28	42,180	18.25
Medical, dental, and ophthalmic laboratory technicians.....	79,370	18.61	38,710	16.95
Dental laboratory technicians.....	35,630	20.19	41,990	18.59
Medical appliance technicians.....	13,640	19.45	40,460	17.88
Ophthalmic laboratory technicians.....	30,100	16.36	34,030	14.88
Packaging and filling machine operators and tenders.....	392,910	15.38	31,990	14.11
Painting workers.....	152,510	18.82	39,150	17.31
Coating, painting, and spraying machine setters, operators, and tenders.....	86,270	17.15	35,670	16.26
Painters, transportation equipment.....	52,880	22.30	46,380	20.12
Painting, coating, and decorating workers.....	13,360	15.91	33,090	14.82
Semiconductor processors.....	23,540	18.68	38,860	17.59

See footnotes at end of table.

Table 1. National employment and wage data from the Occupational Employment Statistics survey by occupation, May 2017- Continued

Occupation	Employment	Mean wages		Median hourly wages
		Hourly	Annual ¹	
Production occupations (Continued)				
Photographic process workers and processing machine operators.....	22,450	\$15.80	\$32,870	\$13.21
Miscellaneous production workers.....	866,540	15.25	31,720	13.80
Adhesive bonding machine operators and tenders.....	15,860	16.65	34,630	15.72
Cleaning, washing, and metal pickling equipment operators and tenders.....	17,410	15.51	32,270	14.40
Cooling and freezing equipment operators and tenders.....	8,630	16.15	33,590	14.84
Etchers and engravers.....	8,620	16.28	33,860	14.85
Molders, shapers, and casters, except metal and plastic.....	41,320	16.25	33,810	15.36
Paper goods machine setters, operators, and tenders.....	94,620	19.12	39,770	18.22
Tire builders.....	21,910	20.18	41,980	19.34
Helpers--production workers.....	402,140	13.50	28,070	12.54
Production workers, all other.....	256,050	15.82	32,910	13.89
Transportation and material moving occupations				
Supervisors of transportation and material moving workers.....	9,978,390	17.82	37,070	15.19
Aircraft cargo handling supervisors.....	403,620	27.08	56,330	25.82
First-line supervisors of transportation and material moving workers, except aircraft cargo handling supervisors.....	8,270	25.47	52,970	23.15
Air transportation workers.....	395,350	27.11	56,400	25.87
Aircraft pilots and flight engineers.....	273,950	(?)	96,890	(?)
Aircraft pilots and flight engineers.....	122,570	(?)	138,690	(?)
Airline pilots, copilots, and flight engineers.....	84,070	(?)	161,280	(?)
Commercial pilots.....	38,490	(?)	89,350	(?)
Air traffic controllers and airfield operations specialists.....	32,380	48.68	101,240	46.62
Air traffic controllers.....	22,790	57.82	120,260	59.87
Airfield operations specialists.....	9,590	26.95	56,060	25.17
Flight attendants.....	119,000	(?)	52,660	(?)
Motor vehicle operators.....	4,006,890	18.37	38,210	17.27
Ambulance drivers and attendants, except emergency medical technicians.....	15,310	12.85	26,740	11.66
Bus drivers.....	683,480	16.83	35,000	15.87
Bus drivers, transit and intercity.....	176,140	20.81	43,290	19.61
Bus drivers, school or special client.....	507,340	15.45	32,130	14.93
Driver/sales workers and truck drivers.....	3,052,680	19.13	39,790	18.08
Driver/sales workers.....	426,870	13.99	29,090	11.56
Heavy and tractor-trailer truck drivers.....	1,748,140	21.39	44,500	20.42
Light truck or delivery services drivers.....	877,670	17.12	35,610	15.12
Taxi drivers and chauffeurs.....	198,470	13.21	27,480	11.96
Motor vehicle operators, all other.....	56,950	15.72	32,690	12.81
Rail transportation workers.....	117,940	30.24	62,900	29.03
Locomotive engineers and operators.....	42,500	30.72	63,890	28.75
Locomotive engineers.....	35,680	31.72	65,980	29.32
Locomotive firers.....	670	29.91	62,220	29.02
Rail yard engineers, dinky operators, and hostlers.....	6,140	24.97	51,930	24.11
Railroad brake, signal, and switch operators.....	14,190	28.13	58,500	27.53
Railroad conductors and yardmasters.....	44,490	30.47	63,370	28.99
Subway and streetcar operators.....	12,070	30.75	63,950	31.93
Rail transportation workers, all other.....	4,690	28.82	59,950	28.21
Water transportation workers.....	77,120	31.59	65,720	26.73
Sailors and marine oilers.....	30,940	22.38	46,560	19.58
Ship and boat captains and operators.....	38,290	37.82	78,670	33.14
Captains, mates, and pilots of water vessels.....	35,780	38.93	80,970	34.10
Motorboat operators.....	2,510	22.05	45,870	21.44
Ship engineers.....	7,890	37.48	77,970	35.15
Other transportation workers.....	367,320	15.11	31,440	11.77
Bridge and lock tenders.....	3,240	22.73	47,280	24.15
Parking lot attendants.....	145,400	11.70	24,330	10.97
Automotive and watercraft service attendants.....	118,850	12.07	25,100	11.24
Traffic technicians.....	6,980	23.70	49,290	21.96
Transportation inspectors.....	30,030	35.44	73,720	34.68
Transportation attendants, except flight attendants.....	24,360	15.29	31,800	13.38
Transportation workers, all other.....	38,460	19.25	40,050	17.67
Material moving workers.....	4,731,550	14.58	30,320	13.13
Conveyor operators and tenders.....	26,570	16.58	34,480	15.53
Crane and tower operators.....	43,660	26.78	55,690	25.10
Dredge, excavating, and loading machine operators.....	49,190	22.60	47,010	20.65
Dredge operators.....	1,410	22.28	46,340	20.78
Excavating and loading machine and dragline operators.....	45,450	22.49	46,780	20.43
Loading machine operators, underground mining.....	2,340	24.89	51,780	25.20
Hoist and winch operators.....	3,080	26.40	54,910	20.77
Industrial truck and tractor operators.....	570,300	17.00	35,370	16.17
Laborers and material movers, hand.....	3,859,520	13.73	28,550	12.35
Cleaners of vehicles and equipment.....	373,290	12.39	25,770	11.23
Laborers and freight, stock, and material movers, hand.....	2,711,320	14.28	29,690	13.00
Machine feeders and offbearers.....	74,350	14.76	30,710	13.70
Packers and packagers, hand.....	700,560	12.22	25,410	11.27
Pumping station operators.....	26,260	24.84	51,660	24.16
Gas compressor and gas pumping station operators.....	3,560	29.79	61,960	30.20
Pump operators, except wellhead pumps.....	11,500	22.62	47,040	20.91
Wellhead pumps.....	11,200	25.54	53,120	25.13
Refuse and recyclable material collectors.....	115,130	18.71	38,920	17.39
Mine shuttle car operators.....	1,550	27.17	56,510	27.35

See footnotes at end of table.

Table 1. National employment and wage data from the Occupational Employment Statistics survey by occupation, May 2017- Continued

Occupation	Employment	Mean wages		Median hourly wages
		Hourly	Annual ¹	
Transportation and material moving occupations (Continued)				
Tank car, truck, and ship loaders.....	10,300	\$19.37	\$40,290	\$17.72
Material moving workers, all other.....	25,990	17.13	35,620	14.23

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.

³ Represents a wage equal to or greater than \$100.00 per hour.