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## OCCUPATIONAL EMPLOYMENT AND WAGES – MAY 2009

Retail salespersons, cashiers, general office clerks, combined food preparation and serving workers, and registered nurses were among the occupations with the highest employment in 2009, the U.S. Bureau of Labor Statistics reported today. Occupations with the lowest employment included watch repairers, astronomers, and radio operators. Employment and wage information for all occupations is shown in table 1.

These data are from the Occupational Employment Statistics (OES) program, which provides employment and wage estimates for wage and salary workers in 22 major occupational groups and 801 detailed occupations. OES produces data by occupation for the nation, states, metropolitan areas, metropolitan divisions, and nonmetropolitan areas, and by occupation and industry for the nation. Data are available from the OES homepage at [www.bls.gov/oes](http://www.bls.gov/oes).

In addition to the occupations mentioned above, the largest occupations included customer service representatives; elementary school teachers, except special education; and general maintenance and repair workers. Occupations with employment of more than 700,000 in 2009 are shown in table 4. These occupations accounted for 46 percent of total U.S. employment, with the 10 largest occupations representing over 20 percent of total employment. Occupations with employment of 4,000 or less are shown in table 5. These occupations, which included historians, gaming managers, and motorboat operators, represented less than 0.1 percent of total U.S. employment.

While some of the largest occupations were concentrated in specific industries, others were more widely distributed across industries. For example, although 80 percent of teacher assistants worked in elementary and secondary schools, the largest employer of general office clerks—local government—employed only about 7 percent of this occupation.

Most of the largest occupations were relatively low paying. Thirty of the 40 occupations in table 4 had average wages below the U.S. mean of \$20.90 per hour or \$43,460 annually. These occupations included cashiers, with an hourly mean wage of \$9.15, and combined food preparation and serving workers (\$8.71); both also were among the lowest paying occupations overall. Large occupations with above average wages included general and operations managers (\$53.15); registered nurses (\$31.99); and sales representatives, wholesale and manufacturing, except technical and scientific products (\$29.52).

In contrast, the small occupations in table 5 included a more even mix of high- and low-paying occupations. Nineteen of these 42 occupations had wages above the U.S. average, including commercial divers (\$27.91), agricultural engineers (\$35.89), and industrial-organizational psychologists (\$49.31). Seventeen occupations had below average wages, including segmental pavers (\$13.81) and dredge operators (\$18.43). The remaining six occupations had wages similar to the U.S. average.

## **Major Occupational Group Employment and Wages**

More than half of the 40 largest occupations were in 4 occupational groups: food preparation and serving, sales, office and administrative support, or transportation and material moving. Nine office and administrative support occupations, with combined employment of about 14.9 million, appear in table 4, making office and administrative support the group with both the largest number of occupations in the table and the highest total employment in those occupations. Five food preparation and serving related occupations appear in the table, with combined employment of approximately 7.5 million. Although only 4 of the 40 largest occupations were in the sales group, combined employment in these 4 occupations was over 10.2 million, reflecting in part the high employment levels for retail salespersons (4.2 million) and cashiers (3.4 million). Office and administrative support and sales and related were also the 2 largest occupational groups overall, with total employment of 22.3 million and 13.7 million, respectively. (See table 2.)

Many of the small occupations in table 5 were specialized installation, maintenance, and repair; production; or transportation and material moving occupations, such as refractory materials repairers, wood model makers, and shuttle car operators. Though these occupational groups also included some of the largest occupations, such as team assemblers and construction laborers, these large occupations tended to involve more general job duties than those listed in table 5. Ten of the 42 smallest occupations were in the computer and mathematical science; architecture and engineering; and life, physical, and social science groups. These occupations included mathematicians, political scientists, and agricultural engineers. Life, physical, and social science was also one of the smallest occupational groups overall, along with arts, design, entertainment, sports, and media; legal; and farming, fishing, and forestry occupations.

The occupational groups with the highest mean hourly wages included management occupations (\$49.47), legal occupations (\$46.07), and computer and mathematical science occupations (\$36.68). Among the lowest paying occupational groups were food preparation and serving related occupations (\$10.04); farming, fishing, and forestry occupations (\$11.53); personal care and service occupations (\$11.87); and building and grounds cleaning and maintenance occupations (\$12.00). (See table 3.)

While some occupational groups were highly concentrated in specific industry sectors, others were distributed more evenly across sectors. For example, nearly 89 percent of employment in education, training, and library occupations was found in the educational services sector, and about 88 percent of employment in healthcare support occupations was found in the health care and social assistance sector. In contrast, although retail trade, finance and insurance, and health care and social assistance were among the largest employers of office and administrative support occupations, no single sector employed more than 12.3 percent of this group.

## **Detailed Occupational Employment and Wages by Detailed Industry**

In addition to the occupational group and industry sector data, OES data are available for detailed occupations and industries. For example, table 6 shows employment and wages by industry for laborers and hand freight, stock, and material movers. Employment in this occupation was widely distributed across industries. The employment services industry, which includes temporary help services, employed the highest number of laborers and hand freight, stock, and material movers, but less than 14 percent of this occupation was employed in this industry. Other large employers of this occupation were warehousing and storage; other general merchandise stores, which include warehouse clubs and supercenters; grocery and related product merchant wholesalers; and general freight trucking, each representing less than 7 percent of employment in this occupation. The mean hourly wage for laborers and hand freight, stock, and material movers in these industries ranged from \$9.29 in other general merchandise stores to \$13.78 in general freight trucking.

Although employment services employed a relatively small percentage of all laborers and hand freight, stock, and material movers, it was the largest occupation in the employment services industry, representing about 11 percent of industry employment. (See table 7.) Most of the largest occupations in this industry were also among the largest occupations overall, including registered nurses; customer service representatives; secretaries, except legal, medical, and executive; general office clerks; construction

laborers; team assemblers; and hand packers and packagers. Of the occupations in table 7, employment, recruitment, and placement specialists had the lowest national employment across all industries and was the most concentrated in employment services: of the 198,000 jobs in this occupation, nearly 39 percent were found in this industry.

Most of the largest occupations in the employment services industry had wages below the U.S. average. The exceptions were registered nurses and employment, recruitment, and placement specialists, which had mean hourly wages in this industry of \$33.71 and \$25.61, respectively.

## **Occupational Employment and Wages by State and Area**

OES data also allow comparison of occupational employment and wages across states and metropolitan areas. Tables 8 and 9 show the states and metropolitan areas with the highest employment and highest employment concentrations of four selected detailed occupations. Areas with high total employment also tend to be among the largest employers of any individual occupation, while employment concentrations reflect factors other than overall employment levels, such as the industry mix. For example, California employed more janitors than any other state, with 199,070 jobs in this occupation; and Nevada, although it employed fewer total janitors than California, had one of the highest employment concentrations in this occupation, with janitors representing over 24 jobs out of every 1,000 in the state. The District of Columbia and Hawaii also had among the highest concentrations of janitors, while New York had both one of the highest employment levels and one of the highest employment concentrations of this occupation. (See table 8.)

California, Texas, and New York, which were among the largest employers of several of the selected occupations, were also the three largest states in terms of total employment. On the other hand, Indiana was one of the largest employers of team assemblers primarily because of its high employment concentration in this occupation: total employment in Indiana was approximately one-fifth of that in California, but its employment concentration of 20.3 team assemblers per 1,000 jobs was over 3 times as high as in California. New York, Ohio, and North Carolina had both high employment levels and high employment concentrations of home health aides, while several Southern states had among the highest employment concentrations of cashiers.

Although all of the selected occupations in table 8 had national mean wages below the U.S. average, wages for each occupation varied across states. For example, among the states shown in the table, mean wages for janitors varied from \$9.79 in Texas to \$13.51 in New York, and mean wages for cashiers varied from \$8.03 in Louisiana to \$10.85 in California.

At the metropolitan area level, as at the state level, areas with high employment of the selected occupations also tended to have high overall employment levels. (See table 8.) Chicago-Naperville-Joliet, Ill., and Houston-Sugar Land-Baytown, Texas, were among the areas with the highest employment of all of the selected occupations, while New York-White Plains-Wayne, N.Y.-N.J., and Los Angeles-Long Beach-Glendale, Calif., were among the areas with the highest employment of 3 out of the 4 occupations. These were also among the largest metropolitan areas or metropolitan divisions in the United States in terms of total employment.

In several cases, the metropolitan areas with high employment concentrations of specific occupations reflected the state data shown in table 8. For example, Nevada had one of the highest concentrations of janitors; approximately 78 percent of the state's janitors were employed in the Las Vegas-Paradise metropolitan area, which also had one of the highest employment concentrations of this occupation. Four of the areas with high concentrations of team assemblers were located in states with high concentrations of this occupation: Elkhart-Goshen, Ind.; Lafayette, Ind.; Spartanburg, S.C.; and Tuscaloosa, Ala. Similarly, three metropolitan areas in North Carolina—Goldsboro, Fayetteville, and Rocky Mount—had among the highest concentrations of home health aides, as did the state as a whole. Brownsville-Harlingen, Texas, and Duluth, Minn.-Wis., also had high employment concentrations of this occupation. While the Chicago-Naperville-Joliet, Ill., metropolitan division had one of the highest employment levels for cashiers, another metropolitan area in Illinois—Kankakee-Bradley—reported one

of the highest employment concentrations of this occupation. Palm Coast, Fla., and Bay City, Mich., also had high concentrations of cashiers.

Wages for the selected occupations varied by metropolitan area. For example, among the metropolitan areas shown, mean wages for cashiers ranged from \$7.86 in Anniston-Oxford, Ala., to \$10.54 in Los Angeles-Long Beach-Glendale, Calif., while wages for team assemblers ranged from \$11.68 in Rocky Mount, N.C., to \$25.14 in Tuscaloosa, Ala.

### **Additional Information**

The Occupational Employment Statistics program produces cross-industry occupational employment and wage estimates nationwide and for all states, 377 metropolitan areas, 34 metropolitan divisions, and 174 nonmetropolitan areas. OES also publishes national industry-specific occupational employment and wage estimates for NAICS sectors and 3-, 4-, and selected 5-digit industries. In addition to mean hourly and annual wages, wage data include 10th, 25th, 50th (median), 75th, and 90th percentile wages, which can be used to show the distribution of wages within an occupation or industry. OES data are produced by a cooperative effort between BLS and State Workforce Agencies, and are based on a sample of 1.2 million business establishments, collected in 6 semiannual panels over a 3-year period. Complete May 2009 Occupational Employment Statistics data are available from the OES Web site at [www.bls.gov/oes](http://www.bls.gov/oes).

# Technical Note

## Scope of the survey

The Occupational Employment Statistics (OES) survey is a semiannual mail survey measuring occupational employment and wage rates for wage and salary workers in nonfarm establishments in the United States. Guam, Puerto Rico, and the Virgin Islands also are surveyed, but their data are not included in this release. OES estimates are constructed from a sample of about 1.2 million establishments. Each year forms are mailed to two semiannual panels of approximately 200,000 sampled establishments, one panel in May and the other in November. May 2009 estimates are based on responses from six semiannual panels collected over a 3-year period: May 2009, November 2008, May 2008, November 2007, May 2007, and November 2006. The overall national response rate for the six panels is 78.2 percent based on establishments and 74.5 percent based on employment.

## The occupational coding system

The May 2009 OES estimates are based on the Office of Management and Budget's 2000 Standard Occupational Classification (SOC) system. The OES survey categorizes workers into 801 detailed occupations. Together, these detailed occupations make up 22 of the 23 major occupational groups. Military specific occupations are not included in the OES survey. The major groups are as follows:

- Management occupations
- Business and financial operations occupations
- Computer and mathematical science occupations
- Architecture and engineering occupations
- Life, physical, and social science occupations
- Community and social services occupations
- Legal occupations
- Education, training, and library occupations
- Arts, design, entertainment, sports, and media occupations
- Healthcare practitioner and technical occupations
- Healthcare support occupations
- Protective service occupations
- Food preparation and serving related occupations
- Building and grounds cleaning and maintenance occupations
- Personal care and service occupations
- Sales and related occupations
- Office and administrative support occupations
- Farming, fishing, and forestry occupations
- Construction and extraction occupations
- Installation, maintenance, and repair occupations
- Production occupations
- Transportation and material moving occupations
- Military specific occupations (not surveyed in OES)

For more information about the SOC system, please see the Bureau of Labor Statistics (BLS) Web site at [www.bls.gov/soc/](http://www.bls.gov/soc/).

## The industry coding system

The OES survey uses the North American Industry Classification System (NAICS). Since May 2008, OES estimates and survey data have been based on the 2007 NAICS. Earlier panel data and estimates were based on the 2002 NAICS. For more information about NAICS, see the BLS Web site at [www.bls.gov/bls/naics.htm](http://www.bls.gov/bls/naics.htm).

The OES survey includes establishments in NAICS sectors 11 (logging and agricultural support activities only), 21, 22, 23, 31-33, 42, 44-45, 48-49, 51, 52, 53, 54, 55, 56, 61, 62, 71, 72, 81 (except private households), state government, and local government. The U.S. Postal Service and the executive branch of the federal government also are included. An establishment is defined as an economic unit that produces goods or provides services, such as a factory, mine, or store. The establishment is generally at a single physical location and is engaged primarily in one type of economic activity.

The OES survey covers all full- and part-time wage and salary workers in nonfarm industries. The survey does not include the self-employed, owners and partners in unincorporated firms, household workers, or unpaid family workers.

## Survey sample

BLS funds the survey and provides the procedures and technical support, while the State Workforce Agencies (SWAs) collect most of the data. BLS produces cross-industry and industry-specific estimates for the nation, states, metropolitan statistical areas (MSAs), metropolitan divisions, and nonmetropolitan areas. Industry-specific estimates are produced at the NAICS sector, 3-digit, 4-digit, and selected 5-digit industry levels. BLS releases all cross-industry and national estimates; many SWAs release industry-specific estimates at the state and MSA levels.

State unemployment insurance (UI) files provide the universe from which the OES survey draws its sample. Employment benchmarks are obtained from reports submitted by employers to the UI program. 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 areas and industry. The 2000 Metropolitan Statistical Area standards were used to define the metropolitan areas.

An annual census is taken of the executive branch of the federal government, the U.S. Postal Service, state government, and Hawaii's local government. In order to provide the most occupational coverage, larger employers are more likely to be selected than smaller employers. The unweighted employment of sampled establishments across all six semiannual panels represents approximately 60.5 percent of total national employment.

## Concepts

*Occupational employment* is the estimate of total wage and salary employment in an occupation across the industries surveyed. 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 OES survey forms sent to larger establishments, generally those with 20 or more workers, contain between 50 and 225 SOC occupations selected on the basis of the sampled establishment's industry classification. To reduce paperwork and respondent burden, no survey form contains every SOC occupation. Thus, data for specific occupations are collected primarily from establishments in industries that are the predominant employers of workers in those occupations. Each survey form is structured, however, to allow a respondent to provide detailed occupational information for each worker at the establishment; that is, unlisted occupations can be added to the survey form. Smaller establishments, generally those with fewer than 20 workers, are sent a form with no occupations listed, and are instructed to fill in the occupations for their 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, tips, and on-call pay are included. Excluded are back pay, jury duty pay, overtime pay, severance pay, shift differentials, nonproduction bonuses, employer cost for supplementary benefits, and tuition reimbursements.

OES receives an annual census of Federal Government and U.S. Postal Service data including wage rates. For non-federal establishments, the OES survey collects wage data in 12 intervals. Employers report the number of employees in an occupation for each wage range. The wage intervals used for the May 2009 survey are as follows:

### May 2009 wage intervals

Interval	Wages	
	Hourly	Annual
Range A.....	Under \$9.25	Under \$19,240
Range B.....	\$9.25 to \$11.49	\$19,240 to \$23,919
Range C.....	\$11.50 to \$14.49	\$23,920 to \$30,159
Range D.....	\$14.50 to \$18.24	\$30,160 to \$37,959
Range E.....	\$18.25 to \$22.74	\$37,960 to \$47,319
Range F.....	\$22.75 to \$28.74	\$47,320 to \$59,799
Range G.....	\$28.75 to \$35.99	\$59,800 to \$74,879
Range H.....	\$36.00 to \$45.24	\$74,880 to \$94,119
Range I.....	\$45.25 to \$56.99	\$94,120 to \$118,559
Range J.....	\$57.00 to \$71.49	\$118,560 to \$148,719
Range K.....	\$71.50 to \$89.99	\$148,720 to \$187,199
Range L.....	\$90.00 and over	\$187,200 and over

*Mean hourly wage.* The mean hourly wage rate for an occupation is the total wages that all workers in the occupation earn in an hour divided by the total employment of the occupation.

For data from non-federal establishments: Total weighted non-federal hourly wages are summed across all intervals. The occupation's weighted survey non-federal employment is also summed. The mean wage for each interval is based on occupational wage data collected by the BLS Office of Compensation and Working Conditions for the National Compensation Survey (NCS). With the exception of the highest wage interval, mean wage rates for each panel are calculated using NCS data for the panel's reference year. The lower boundary of the highest wage interval in May 2009 was \$90.00. The mean hourly wage for this interval was calculated using the average of the 2006, 2007, and 2008 NCS data.

For federal workers: The hourly wages for an occupation within an establishment are summed to get total federal wages. Federal employment for that occupation within that establishment is also summed to get total federal employment. The total wages and total employment across all establishments in the occupation for the estimation level of interest are summed.

$$\text{Mean Wage} = \frac{\text{Total Non-Federal Wages} + \text{Total Federal Wages}}{\text{Total Non-Federal Employment} + \text{Total Federal Employment}}$$

*Percentile wage.* The p-th percentile wage rate for an occupation is the wage where p percent of all workers earn that amount or less and where (100-p) percent of all workers earn that amount or more. This statistic is calculated by first distributing federal and non-federal workers inside each wage interval: Federal workers are distributed throughout the wage intervals according to their wage rates, while non-federal workers are distributed uniformly within each wage interval. Next, workers are ranked from lowest paid to highest paid. Finally, the product of the total employment for the occupation and the desired percentile is calculated to determine the worker that earns the p-th percentile wage rate.

*Annual wage.* Many employees are paid at an hourly rate by their employers and may work more than or less than 40 hours per week. Annual wage estimates for most occupations in this release are calculated by multiplying the mean hourly wage by a "year-round, full-time" figure of 2,080 hours (52 weeks by 40 hours). Thus, annual wage estimates may not represent the actual annual pay received by the employee if they work more or less than 2,080 hours per year. Some workers typically work less than 40 hours per week, year round. For these occupations, the OES survey collects and reports either the annual salary or the hourly wage rate, depending on how the occupation is typically paid, but not both. For example, teachers, flight attendants, and pilots may be paid an annual salary, but do not work the usual 2,080 hours per year. In this case, an annual salary is reported. Other workers, such as 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.

*Hourly versus annual wage reporting.* For each occupation, respondents are asked to report the number of employees paid within specific wage 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 establishment can reference either the hourly or the annual rate for full-time workers, but they are instructed to report the hourly rate for part-time workers.

## Estimation methodology

With the exception of the May 2008 panel, each OES panel includes approximately 200,000 establishments. Due to budget constraints, the May 2008 sample was reduced to approximately 174,000 establishments. The OES survey is designed to produce estimates using six panels (3 years) of data. 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. The procedure assumes that there are no major differences by geography, industry, or detailed occupation within the occupational division. The wage rates for the highest wage interval are not updated.

*Imputation.* About 20 percent of establishments do not respond for a given panel. 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. The variant of mean imputation for wage distributions also is applied to establishments that provide reports with occupational totals but partial or missing wage data.

*Weighting and benchmarking.* The sampled establishments in each panel are weighted to represent all establishments that were part of the in-scope frame from which the panel was selected. Based on the sampled establishments, sampling weights are adjusted when six panels are combined. Sampling weights are further adjusted by the ratio of employment totals (the average of November 2008 and May 2009 employment) from the BLS Quarterly

Census of Employment and Wages to employment totals from the OES survey.

*May 2009 OES survey estimates.* The May 2009 OES survey estimates are based on all data collected from establishments in the May 2009, November 2008, May 2008, November 2007, May 2007, and November 2006 semi-annual sample panels.

*Reliability of the estimates.* Estimates calculated from a sample survey are subject to two types of error: sampling and nonsampling. *Sampling error* occurs when estimates are calculated from a subset (that is, a sample) of the population instead of the full population. When a sample of the population is surveyed, there is a chance that the sample estimate of the characteristic of interest may differ from the population value of that characteristic. Differences between the sample estimate and the population value will vary depending on the sample selected. This variability can be estimated by calculating the standard error (SE) of the sample estimate. If we were to repeat the sampling and estimation process countless times using the same survey design, approximately 90 percent of the intervals created by adding and subtracting 1.645 SEs from the sample estimate would include the population value. These intervals are called 90-percent confidence intervals. The OES survey, however, usually uses the relative standard error (RSE) of a sample estimate instead of its SE to measure sampling error. RSE is defined as the SE of a sample estimate divided by the sample estimate itself. This statistic provides the user with a measure of the relative precision of the sample estimate. RSEs are calculated for both occupational employment and mean wage rate estimates. Occupational employment RSEs are calculated using a subsample, random group replication technique called the jackknife. Mean wage rate RSEs are calculated using a variance components model that accounts for both the observed and unobserved components of the wage data. The variances of the unobserved components are estimated using wage data from the BLS National Compensation Survey. In general, estimates based on many establishments have lower RSEs than estimates based on few establishments. If the distributional assumptions of the models are violated, the resulting confidence intervals may not reflect the prescribed level of confidence.

*Nonsampling error* occurs for a variety of reasons, none of which are directly connected to sampling. Examples of nonsampling error include: nonresponse, data incorrectly reported by the respondent, errors in the administrative data used to create the sampling frame, mistakes made in entering collected data into the database, and mistakes made in editing and processing the collected data. Every attempt is made to minimize nonsampling error through survey methods such as data editing, imputation methods, and benchmarking of data to current employment totals.

**Table 1. National employment and wage data from the Occupational Employment Statistics survey by occupation, May 2009**

Occupation	Employment	Mean wages		Median hourly wages
		Hourly	Annual <sup>1</sup>	
<b>All occupations</b>	<b>130,647,610</b>	<b>\$20.90</b>	<b>\$43,460</b>	<b>\$15.95</b>
<b>Management occupations</b>	<b>6,116,380</b>	<b>49.47</b>	<b>102,900</b>	<b>42.95</b>
Chief executives.....	297,640	80.43	167,280	77.27
General and operations managers.....	1,689,680	53.15	110,550	44.55
Legislators.....	65,750	( <sup>2</sup> )	37,530	( <sup>2</sup> )
Advertising and promotions managers.....	35,760	46.96	97,670	39.60
Marketing managers.....	169,330	57.73	120,070	52.90
Sales managers.....	328,980	53.64	111,570	46.53
Public relations managers.....	53,270	48.97	101,850	43.12
Administrative services managers.....	243,580	39.20	81,530	36.31
Computer and information systems managers.....	287,210	58.00	120,640	54.67
Financial managers.....	495,180	54.68	113,730	48.65
Compensation and benefits managers.....	35,630	45.78	95,230	42.33
Training and development managers.....	29,320	45.37	94,360	42.35
Human resources managers, all other.....	62,990	50.73	105,510	46.42
Industrial production managers.....	147,250	45.03	93,650	40.90
Purchasing managers.....	65,080	46.59	96,910	43.96
Transportation, storage, and distribution managers.....	92,380	41.09	85,470	38.22
Farm, ranch, and other agricultural managers.....	3,250	31.13	64,760	28.58
Farmers and ranchers.....	520	20.53	42,710	15.55
Construction managers.....	204,760	44.85	93,290	39.58
Education administrators, preschool and child care center/program.....	51,140	23.16	48,170	19.74
Education administrators, elementary and secondary school.....	219,280	( <sup>2</sup> )	87,390	( <sup>2</sup> )
Education administrators, postsecondary.....	105,900	45.84	95,340	39.81
Education administrators, all other.....	28,710	38.53	80,140	35.54
Engineering managers.....	178,110	59.04	122,810	56.25
Food service managers.....	190,250	24.71	51,400	22.70
Funeral directors.....	25,820	29.04	60,390	26.14
Gaming managers.....	3,390	35.59	74,030	32.40
Lodging managers.....	31,660	25.72	53,500	22.26
Medical and health services managers.....	271,710	43.74	90,970	39.35
Natural sciences managers.....	44,180	61.06	127,000	55.08
Postmasters and mail superintendents.....	24,890	28.65	59,600	28.26
Property, real estate, and community association managers.....	150,850	28.20	58,660	23.30
Social and community service managers.....	113,760	29.44	61,240	27.21
Managers, all other.....	369,170	47.64	99,100	44.52
<b>Business and financial operations occupations</b>	<b>6,063,670</b>	<b>31.68</b>	<b>65,900</b>	<b>28.32</b>
Agents and business managers of artists, performers, and athletes.....	11,700	42.04	87,430	29.76
Purchasing agents and buyers, farm products.....	11,690	30.02	62,450	25.56
Wholesale and retail buyers, except farm products.....	116,900	26.68	55,480	23.39
Purchasing agents, except wholesale, retail, and farm products.....	281,910	28.15	58,550	26.35
Claims adjusters, examiners, and investigators.....	273,930	28.26	58,780	27.46
Insurance appraisers, auto damage.....	10,960	27.01	56,180	26.63
Compliance officers, except agriculture, construction, health and safety, and transportation.....	247,900	26.49	55,100	23.92
Cost estimators.....	197,330	29.42	61,190	27.55
Emergency management specialists.....	13,060	27.36	56,900	25.28
Employment, recruitment, and placement specialists.....	198,190	26.21	54,530	22.21
Compensation, benefits, and job analysis specialists.....	111,890	28.13	58,520	26.74
Training and development specialists.....	205,020	26.59	55,310	25.06
Human resources, training, and labor relations specialists, all other.....	219,240	28.40	59,070	27.14
Logisticians.....	100,420	33.85	70,400	32.67
Management analysts.....	552,770	40.70	84,650	36.18
Meeting and convention planners.....	51,530	23.11	48,060	21.53
Business operations specialists, all other.....	1,036,450	31.71	65,960	29.14
Accountants and auditors.....	1,106,980	32.42	67,430	29.01
Appraisers and assessors of real estate.....	64,770	25.73	53,520	23.00
Budget analysts.....	60,970	33.29	69,240	32.05
Credit analysts.....	67,950	32.32	67,230	27.63
Financial analysts.....	235,240	40.98	85,240	35.42
Personal financial advisors.....	149,460	45.28	94,180	32.79
Insurance underwriters.....	98,430	30.45	63,330	27.80
Financial examiners.....	26,050	38.01	79,070	34.49
Loan counselors.....	30,360	19.68	40,930	17.94
Loan officers.....	298,200	30.39	63,210	26.38
Tax examiners, collectors, and revenue agents.....	69,500	25.87	53,800	23.34
Tax preparers.....	61,130	17.34	36,060	14.45
Financial specialists, all other.....	153,720	31.16	64,810	28.05

See footnotes at end of table.



**Table 1. National employment and wage data from the Occupational Employment Statistics survey by occupation, May 2009—Continued**

Occupation	Employment	Mean wages		Median hourly wages
		Hourly	Annual <sup>1</sup>	
<b>Computer and mathematical science occupations</b>	<b>3,303,690</b>	<b>\$36.68</b>	<b>\$76,290</b>	<b>\$35.05</b>
Computer and information scientists, research.....	26,130	50.66	105,370	48.83
Computer programmers.....	367,880	35.91	74,690	34.10
Computer software engineers, applications.....	495,500	43.35	90,170	42.06
Computer software engineers, systems software.....	385,200	46.45	96,620	44.94
Computer support specialists.....	540,560	22.77	47,360	21.30
Computer systems analysts.....	512,720	38.67	80,430	37.06
Database administrators.....	108,080	35.72	74,290	34.40
Network and computer systems administrators.....	338,890	34.10	70,930	32.55
Network systems and data communications analysts.....	226,080	36.81	76,560	35.22
Computer specialists, all other.....	195,890	37.50	78,010	37.02
Actuaries.....	17,940	46.85	97,450	41.93
Mathematicians.....	2,770	45.16	93,920	44.99
Operations research analysts.....	60,960	36.23	75,370	33.69
Statisticians.....	21,370	36.16	75,220	35.01
Mathematical technicians.....	1,090	21.27	44,230	19.83
Mathematical scientists, all other.....	2,610	29.74	61,850	23.18
<b>Architecture and engineering occupations</b>	<b>2,412,730</b>	<b>35.38</b>	<b>73,590</b>	<b>33.07</b>
Architects, except landscape and naval.....	101,630	37.93	78,880	34.95
Landscape architects.....	18,940	31.69	65,910	29.12
Cartographers and photogrammetrists.....	11,750	28.53	59,340	25.50
Surveyors.....	50,360	27.61	57,420	26.05
Aerospace engineers.....	70,570	46.29	96,270	45.57
Agricultural engineers.....	2,620	35.89	74,640	33.44
Biomedical engineers.....	14,760	39.69	82,550	37.92
Chemical engineers.....	29,000	44.07	91,670	42.44
Civil engineers.....	259,320	39.03	81,180	36.82
Computer hardware engineers.....	65,410	48.75	101,410	47.51
Electrical engineers.....	151,660	41.47	86,250	39.96
Electronics engineers, except computer.....	135,990	44.01	91,540	42.94
Environmental engineers.....	50,610	38.82	80,750	37.04
Health and safety engineers, except mining safety engineers and inspectors.....	24,070	36.45	75,810	35.62
Industrial engineers.....	209,300	37.06	77,090	36.11
Marine engineers and naval architects.....	5,270	38.10	79,240	35.74
Materials engineers.....	22,510	41.18	85,660	39.99
Mechanical engineers.....	232,660	38.74	80,580	37.03
Mining and geological engineers, including mining safety engineers.....	6,310	39.46	82,080	38.19
Nuclear engineers.....	16,710	48.25	100,350	46.59
Petroleum engineers.....	25,540	57.67	119,960	52.36
Engineers, all other.....	159,680	43.56	90,600	43.06
Architectural and civil drafters.....	105,320	22.94	47,710	21.92
Electrical and electronics drafters.....	30,590	26.34	54,800	25.04
Mechanical drafters.....	71,890	23.94	49,790	22.98
Drafters, all other.....	18,290	23.18	48,210	21.79
Aerospace engineering and operations technicians.....	7,940	28.76	59,820	27.39
Civil engineering technicians.....	82,690	22.80	47,420	22.10
Electrical and electronic engineering technicians.....	154,050	26.64	55,410	26.36
Electro-mechanical technicians.....	15,640	23.98	49,880	23.08
Environmental engineering technicians.....	20,630	21.99	45,730	20.36
Industrial engineering technicians.....	65,460	23.57	49,030	22.48
Mechanical engineering technicians.....	43,580	24.38	50,700	23.54
Engineering technicians, except drafters, all other.....	69,070	28.04	58,330	27.66
Surveying and mapping technicians.....	62,940	18.98	39,470	17.88
<b>Life, physical, and social science occupations</b>	<b>1,308,380</b>	<b>31.57</b>	<b>65,660</b>	<b>28.03</b>
Animal scientists.....	2,190	31.02	64,510	27.38
Food scientists and technologists.....	10,790	30.95	64,370	28.67
Soil and plant scientists.....	11,830	31.34	65,180	28.45
Biochemists and biophysicists.....	22,860	42.57	88,550	39.61
Microbiologists.....	16,260	34.61	71,980	32.01
Zoologists and wildlife biologists.....	17,460	29.17	60,670	27.16
Biological scientists, all other.....	29,630	33.38	69,430	31.98
Conservation scientists.....	16,810	29.41	61,180	28.92
Foresters.....	10,230	26.55	55,220	25.89
Epidemiologists.....	4,610	31.22	64,950	29.66
Medical scientists, except epidemiologists.....	101,760	40.75	84,760	35.86
Life scientists, all other.....	12,320	34.90	72,590	30.76

See footnotes at end of table.

**Table 1. National employment and wage data from the Occupational Employment Statistics survey by occupation, May 2009—Continued**

Occupation	Employment	Mean wages		Median hourly wages
		Hourly	Annual <sup>1</sup>	
<b>Life, physical, and social science occupations—Continued</b>				
Astronomers.....	1,240	\$49.40	\$102,740	\$50.35
Physicists.....	13,630	53.49	111,250	51.15
Atmospheric and space scientists.....	8,320	40.94	85,160	40.73
Chemists.....	79,910	34.97	72,740	32.80
Materials scientists.....	8,880	39.59	82,350	38.61
Environmental scientists and specialists, including health.....	83,530	32.38	67,360	29.33
Geoscientists, except hydrologists and geographers.....	31,860	44.57	92,710	39.05
Hydrologists.....	7,150	36.91	76,760	35.42
Physical scientists, all other.....	25,310	45.62	94,880	45.17
Economists.....	13,160	46.31	96,320	41.79
Market research analysts.....	226,410	32.45	67,500	29.61
Survey researchers.....	20,300	20.35	42,330	17.01
Clinical, counseling, and school psychologists.....	98,330	34.77	72,310	31.75
Industrial-organizational psychologists.....	1,710	49.31	102,570	40.03
Psychologists, all other.....	10,260	40.49	84,220	41.60
Sociologists.....	4,430	36.63	76,190	33.47
Urban and regional planners.....	38,950	31.10	64,680	29.72
Anthropologists and archeologists.....	5,570	27.52	57,230	25.70
Geographers.....	1,170	34.33	71,420	34.36
Historians.....	3,620	27.09	56,350	24.54
Political scientists.....	3,970	48.58	101,050	50.04
Social scientists and related workers, all other.....	29,250	35.31	73,450	33.59
Agricultural and food science technicians.....	18,490	17.72	36,850	16.54
Biological technicians.....	74,560	19.78	41,140	18.61
Chemical technicians.....	64,420	21.11	43,900	20.23
Geological and petroleum technicians.....	14,460	28.08	58,400	25.60
Nuclear technicians.....	6,290	32.07	66,700	32.37
Social science research assistants.....	21,720	19.39	40,340	18.03
Environmental science and protection technicians, including health.....	30,870	20.92	43,520	19.61
Forensic science technicians.....	12,870	26.47	55,070	24.75
Forest and conservation technicians.....	31,440	17.49	36,370	15.80
Life, physical, and social science technicians, all other.....	59,530	21.57	44,870	20.24
<b>Community and social services occupations</b>	<b>1,891,320</b>	<b>20.55</b>	<b>42,750</b>	<b>18.74</b>
Substance abuse and behavioral disorder counselors.....	78,470	19.43	40,420	18.13
Educational, vocational, and school counselors.....	251,050	26.46	55,030	25.27
Marriage and family therapists.....	26,450	23.57	49,020	22.56
Mental health counselors.....	106,920	20.05	41,710	18.28
Rehabilitation counselors.....	112,690	16.69	34,710	15.01
Counselors, all other.....	30,900	21.35	44,400	19.86
Child, family, and school social workers.....	277,670	20.93	43,540	19.21
Medical and public health social workers.....	133,510	23.24	48,340	22.26
Mental health and substance abuse social workers.....	127,140	19.88	41,350	18.37
Social workers, all other.....	73,250	24.26	50,470	23.76
Health educators.....	63,320	23.59	49,060	21.32
Probation officers and correctional treatment specialists.....	92,910	24.28	50,500	22.37
Social and human service assistants.....	344,050	14.37	29,880	13.44
Community and social service specialists, all other.....	109,120	19.48	40,530	18.07
Clergy.....	42,670	22.58	46,960	20.65
Directors, religious activities and education.....	15,060	19.60	40,770	17.40
Religious workers, all other.....	6,140	15.94	33,160	14.14
<b>Legal occupations</b>	<b>999,020</b>	<b>46.07</b>	<b>95,820</b>	<b>35.59</b>
Lawyers.....	556,790	62.03	129,020	54.44
Administrative law judges, adjudicators, and hearing officers.....	13,140	42.13	87,620	40.35
Arbitrators, mediators, and conciliators.....	8,110	30.41	63,250	25.37
Judges, magistrate judges, and magistrates.....	26,350	49.99	103,990	54.24
Paralegals and legal assistants.....	246,810	24.08	50,080	22.58
Court reporters.....	18,780	25.22	52,460	22.98
Law clerks.....	32,630	20.17	41,960	18.46
Title examiners, abstractors, and searchers.....	56,820	20.65	42,960	18.64
Legal support workers, all other.....	39,590	28.19	58,630	25.03
<b>Education, training, and library occupations</b>	<b>8,488,740</b>	<b>23.81</b>	<b>49,530</b>	<b>21.74</b>
Business teachers, postsecondary.....	73,790	( <sup>2</sup> )	83,840	( <sup>2</sup> )
Computer science teachers, postsecondary.....	32,240	( <sup>2</sup> )	75,860	( <sup>2</sup> )
Mathematical science teachers, postsecondary.....	48,100	( <sup>2</sup> )	70,550	( <sup>2</sup> )

See footnotes at end of table.

**Table 1. National employment and wage data from the Occupational Employment Statistics survey by occupation, May 2009—Continued**

Occupation	Employment	Mean wages		Median hourly wages
		Hourly	Annual <sup>1</sup>	
<b>Education, training, and library occupations—Continued</b>				
Architecture teachers, postsecondary.....	7,090	(2)	\$77,830	(2)
Engineering teachers, postsecondary.....	34,270	(2)	92,970	(2)
Agricultural sciences teachers, postsecondary.....	10,230	(2)	80,790	(2)
Biological science teachers, postsecondary.....	54,810	(2)	87,220	(2)
Forestry and conservation science teachers, postsecondary.....	2,380	(2)	72,290	(2)
Atmospheric, earth, marine, and space sciences teachers, postsecondary.....	9,900	(2)	83,320	(2)
Chemistry teachers, postsecondary.....	20,370	(2)	77,350	(2)
Environmental science teachers, postsecondary.....	4,820	(2)	73,700	(2)
Physics teachers, postsecondary.....	12,870	(2)	83,320	(2)
Anthropology and archeology teachers, postsecondary.....	5,880	(2)	75,530	(2)
Area, ethnic, and cultural studies teachers, postsecondary.....	8,070	(2)	75,130	(2)
Economics teachers, postsecondary.....	12,860	(2)	89,320	(2)
Geography teachers, postsecondary.....	3,930	(2)	69,840	(2)
Political science teachers, postsecondary.....	15,180	(2)	76,990	(2)
Psychology teachers, postsecondary.....	33,450	(2)	72,140	(2)
Sociology teachers, postsecondary.....	16,380	(2)	71,970	(2)
Social sciences teachers, postsecondary, all other.....	5,830	(2)	77,040	(2)
Health specialties teachers, postsecondary.....	133,070	(2)	103,340	(2)
Nursing instructors and teachers, postsecondary.....	49,140	(2)	65,240	(2)
Education teachers, postsecondary.....	56,880	(2)	62,160	(2)
Library science teachers, postsecondary.....	3,940	(2)	64,270	(2)
Criminal justice and law enforcement teachers, postsecondary.....	12,610	(2)	62,750	(2)
Law teachers, postsecondary.....	12,690	(2)	109,150	(2)
Social work teachers, postsecondary.....	8,290	(2)	67,410	(2)
Art, drama, and music teachers, postsecondary.....	80,790	(2)	68,230	(2)
Communications teachers, postsecondary.....	25,090	(2)	65,190	(2)
English language and literature teachers, postsecondary.....	65,490	(2)	65,860	(2)
Foreign language and literature teachers, postsecondary.....	27,020	(2)	63,300	(2)
History teachers, postsecondary.....	21,810	(2)	69,280	(2)
Philosophy and religion teachers, postsecondary.....	19,630	(2)	67,610	(2)
Graduate teaching assistants.....	122,120	(2)	32,770	(2)
Home economics teachers, postsecondary.....	4,800	(2)	68,210	(2)
Recreation and fitness studies teachers, postsecondary.....	16,850	(2)	60,580	(2)
Vocational education teachers, postsecondary.....	114,420	25.01	52,030	23.05
Postsecondary teachers, all other.....	205,760	(2)	74,330	(2)
Preschool teachers, except special education.....	389,660	13.20	27,450	11.80
Kindergarten teachers, except special education.....	181,810	(2)	50,380	(2)
Elementary school teachers, except special education.....	1,544,300	(2)	53,150	(2)
Middle school teachers, except special and vocational education.....	665,420	(2)	53,550	(2)
Vocational education teachers, middle school.....	14,060	(2)	51,520	(2)
Secondary school teachers, except special and vocational education.....	1,091,710	(2)	55,150	(2)
Vocational education teachers, secondary school.....	92,980	(2)	54,420	(2)
Special education teachers, preschool, kindergarten, and elementary school.....	228,580	(2)	53,770	(2)
Special education teachers, middle school.....	102,490	(2)	54,750	(2)
Special education teachers, secondary school.....	146,240	(2)	56,420	(2)
Adult literacy, remedial education, and GED teachers and instructors.....	68,430	24.23	50,390	22.08
Self-enrichment education teachers.....	162,330	19.88	41,360	17.52
Teachers and instructors, all other.....	599,500	(2)	41,110	(2)
Archivists.....	4,900	23.85	49,600	22.34
Curators.....	10,410	25.16	52,330	23.04
Museum technicians and conservators.....	10,170	19.87	41,330	17.85
Librarians.....	150,520	26.76	55,670	25.82
Library technicians.....	111,390	14.93	31,060	14.22
Audio-visual collections specialists.....	6,800	22.35	46,490	21.10
Farm and home management advisors.....	9,830	22.29	46,370	21.24
Instructional coordinators.....	124,480	29.46	61,270	28.26
Teacher assistants.....	1,275,410	(2)	24,280	(2)
Education, training, and library workers, all other.....	104,500	20.13	41,880	17.45
<b>Arts, design, entertainment, sports, and media occupations</b>				
Art directors.....	31,660	44.00	91,520	37.78
Craft artists.....	5,380	15.90	33,070	13.92
Fine artists, including painters, sculptors, and illustrators.....	8,900	24.34	50,630	21.23
Multi-media artists and animators.....	28,800	30.20	62,810	28.01
Artists and related workers, all other.....	8,100	27.63	57,470	25.54

See footnotes at end of table.

**Table 1. National employment and wage data from the Occupational Employment Statistics survey by occupation, May 2009—Continued**

Occupation	Employment	Mean wages		Median hourly wages
		Hourly	Annual <sup>1</sup>	
<b>Arts, design, entertainment, sports, and media occupations—Continued</b>				
Commercial and industrial designers.....	29,170	\$29.52	\$61,400	\$27.92
Fashion designers.....	15,780	35.78	74,410	30.90
Floral designers.....	51,470	11.99	24,940	11.31
Graphic designers.....	200,870	22.99	47,820	20.76
Interior designers.....	46,010	24.99	51,990	22.20
Merchandise displayers and window trimmers.....	61,280	13.69	28,480	12.49
Set and exhibit designers.....	7,940	24.33	50,600	21.83
Designers, all other.....	10,510	24.24	50,420	21.16
Actors.....	39,880	28.79	( <sup>2</sup> )	16.20
Producers and directors.....	79,780	41.77	86,870	32.08
Athletes and sports competitors.....	13,620	( <sup>2</sup> )	80,950	( <sup>2</sup> )
Coaches and scouts.....	179,830	( <sup>2</sup> )	35,740	( <sup>2</sup> )
Umpires, referees, and other sports officials.....	14,860	( <sup>2</sup> )	28,490	( <sup>2</sup> )
Dancers.....	10,700	16.37	( <sup>2</sup> )	13.74
Choreographers.....	14,700	20.25	42,130	18.20
Music directors and composers.....	14,330	25.68	53,410	21.68
Musicians and singers.....	47,260	29.10	( <sup>2</sup> )	22.36
Entertainers and performers, sports and related workers, all other.....	23,500	18.41	( <sup>2</sup> )	14.78
Radio and television announcers.....	35,130	19.99	41,590	13.23
Public address system and other announcers.....	7,280	17.37	36,130	13.08
Broadcast news analysts.....	5,820	32.69	67,990	24.23
Reporters and correspondents.....	46,130	20.80	43,270	16.52
Public relations specialists.....	242,670	28.55	59,370	24.98
Editors.....	105,040	28.10	58,440	24.42
Technical writers.....	46,270	31.55	65,610	30.16
Writers and authors.....	43,390	31.04	64,560	25.91
Interpreters and translators.....	40,000	21.97	45,700	19.65
Media and communication workers, all other.....	25,460	24.37	50,680	20.52
Audio and video equipment technicians.....	46,070	20.41	42,450	18.80
Broadcast technicians.....	31,220	18.43	38,330	15.85
Radio operators.....	870	20.86	43,400	20.69
Sound engineering technicians.....	15,560	25.93	53,940	22.29
Photographers.....	57,760	17.48	36,370	14.31
Camera operators, television, video, and motion picture.....	17,540	23.84	49,590	20.64
Film and video editors.....	17,550	30.62	63,680	24.42
Media and communication equipment workers, all other.....	17,610	28.79	59,880	27.64
<b>Healthcare practitioner and technical occupations</b>	<b>7,200,950</b>	<b>33.51</b>	<b>69,690</b>	<b>27.74</b>
Chiropractors.....	26,310	38.65	80,390	32.53
Dentists, general.....	86,270	75.41	156,850	68.31
Oral and maxillofacial surgeons.....	5,390	101.30	210,710	( <sup>3</sup> )
Orthodontists.....	5,410	99.13	206,190	( <sup>3</sup> )
Prosthodontists.....	660	60.29	125,400	53.42
Dentists, all other specialists.....	5,010	73.83	153,570	73.70
Dietitians and nutritionists.....	53,220	25.59	53,230	25.07
Optometrists.....	26,480	51.42	106,960	46.22
Pharmacists.....	267,860	51.27	106,630	52.49
Anesthesiologists.....	37,450	101.80	211,750	( <sup>3</sup> )
Family and general practitioners.....	99,000	81.03	168,550	77.18
Internists, general.....	48,270	88.46	183,990	( <sup>3</sup> )
Obstetricians and gynecologists.....	20,380	98.31	204,470	( <sup>3</sup> )
Pediatricians, general.....	29,460	77.60	161,410	73.19
Psychiatrists.....	22,210	78.68	163,660	77.04
Surgeons.....	44,560	105.66	219,770	( <sup>3</sup> )
Physicians and surgeons, all other.....	274,160	83.59	173,860	( <sup>3</sup> )
Physician assistants.....	76,900	40.78	84,830	40.58
Podiatrists.....	9,720	63.33	131,730	55.89
Registered nurses.....	2,583,770	31.99	66,530	30.65
Audiologists.....	12,590	32.14	66,850	30.40
Occupational therapists.....	97,840	33.98	70,680	33.48
Physical therapists.....	174,490	36.64	76,220	35.81
Radiation therapists.....	15,570	37.18	77,340	35.66
Recreational therapists.....	21,960	19.84	41,270	18.96
Respiratory therapists.....	107,270	26.06	54,200	25.64

See footnotes at end of table.

**Table 1. National employment and wage data from the Occupational Employment Statistics survey by occupation, May 2009—Continued**

Occupation	Employment	Mean wages		Median hourly wages
		Hourly	Annual <sup>1</sup>	
<b>Healthcare practitioner and technical occupations—Continued</b>				
Speech-language pathologists.....	111,640	\$32.86	\$68,350	\$31.29
Therapists, all other.....	13,440	26.16	54,400	24.70
Veterinarians.....	54,130	43.32	90,110	38.71
Health diagnosing and treating practitioners, all other.....	32,960	37.32	77,630	31.36
Medical and clinical laboratory technologists.....	166,860	26.74	55,620	26.51
Medical and clinical laboratory technicians.....	152,420	18.20	37,860	17.32
Dental hygienists.....	173,900	32.63	67,860	32.38
Cardiovascular technologists and technicians.....	48,070	23.91	49,730	23.22
Diagnostic medical sonographers.....	51,630	30.60	63,640	30.30
Nuclear medicine technologists.....	21,670	32.91	68,450	32.65
Radiologic technologists and technicians.....	213,560	26.05	54,180	25.59
Emergency medical technicians and paramedics.....	217,920	15.88	33,020	14.42
Dietetic technicians.....	24,510	13.72	28,530	12.98
Pharmacy technicians.....	331,890	13.92	28,940	13.49
Psychiatric technicians.....	70,730	14.77	30,730	13.53
Respiratory therapy technicians.....	15,100	21.96	45,680	21.49
Surgical technologists.....	91,250	19.57	40,710	18.94
Veterinary technologists and technicians.....	79,200	14.70	30,580	14.08
Licensed practical and licensed vocational nurses.....	728,670	19.66	40,900	19.14
Medical records and health information technicians.....	170,580	16.29	33,880	15.04
Opticians, dispensing.....	60,840	16.73	34,790	15.74
Orthotists and prosthetists.....	5,470	32.02	66,600	29.84
Health technologists and technicians, all other.....	78,600	20.28	42,180	18.51
Occupational health and safety specialists.....	51,850	30.87	64,200	30.40
Occupational health and safety technicians.....	10,070	22.73	47,280	21.56
Athletic trainers.....	15,260	( <sup>2</sup> )	44,020	( <sup>2</sup> )
Healthcare practitioner and technical workers, all other.....	56,520	25.05	52,110	21.47
<b>Healthcare support occupations</b>	<b>3,886,690</b>	<b>12.84</b>	<b>26,710</b>	<b>11.89</b>
Home health aides.....	955,220	10.39	21,620	9.85
Nursing aides, orderlies, and attendants.....	1,438,010	12.01	24,980	11.56
Psychiatric aides.....	62,610	13.19	27,430	12.33
Occupational therapist assistants.....	26,680	24.44	50,830	24.16
Occupational therapist aides.....	8,040	13.89	28,890	12.37
Physical therapist assistants.....	63,750	23.36	48,590	23.22
Physical therapist aides.....	44,160	12.01	24,990	11.49
Massage therapists.....	55,920	19.13	39,780	16.94
Dental assistants.....	294,020	16.35	34,000	15.98
Medical assistants.....	495,970	14.16	29,450	13.77
Medical equipment preparers.....	47,070	14.32	29,780	13.93
Medical transcriptionists.....	82,810	16.03	33,350	15.68
Pharmacy aides.....	52,230	10.74	22,330	10.00
Veterinary assistants and laboratory animal caretakers.....	71,350	11.25	23,400	10.43
Healthcare support workers, all other.....	188,850	15.07	31,340	14.39
<b>Protective service occupations</b>	<b>3,172,420</b>	<b>20.07</b>	<b>41,740</b>	<b>17.39</b>
First-line supervisors/managers of correctional officers.....	45,540	28.76	59,810	27.74
First-line supervisors/managers of police and detectives.....	99,900	37.78	78,580	36.78
First-line supervisors/managers of fire fighting and prevention workers.....	57,750	34.46	71,680	32.81
First-line supervisors/managers, protective service workers, all other.....	49,360	23.39	48,640	21.38
Fire fighters.....	305,500	22.72	47,270	21.66
Fire inspectors and investigators.....	12,180	27.07	56,310	25.83
Forest fire inspectors and prevention specialists.....	1,540	18.36	38,180	15.83
Bailiffs.....	17,140	19.35	40,240	18.25
Correctional officers and jailers.....	455,350	20.49	42,610	18.78
Detectives and criminal investigators.....	110,380	31.66	65,860	29.86
Fish and game wardens.....	7,530	26.42	54,950	23.46
Parking enforcement workers.....	9,670	17.00	35,360	16.74
Police and sheriff's patrol officers.....	641,590	26.53	55,180	25.58
Transit and railroad police.....	3,930	25.17	52,350	24.49
Animal control workers.....	15,320	16.14	33,560	15.17
Private detectives and investigators.....	31,250	22.66	47,130	20.25
Gaming surveillance officers and gaming investigators.....	7,670	15.60	32,460	14.53
Security guards.....	1,028,830	12.70	26,430	11.45

See footnotes at end of table.

**Table 1. National employment and wage data from the Occupational Employment Statistics survey by occupation, May 2009—Continued**

Occupation	Employment	Mean wages		Median hourly wages
		Hourly	Annual <sup>1</sup>	
<b>Protective service occupations—Continued</b>				
Crossing guards.....	68,470	\$12.23	\$25,430	\$11.24
Lifeguards, ski patrol, and other recreational protective service workers.....	115,640	9.85	20,490	8.99
Protective service workers, all other.....	87,880	15.70	32,650	14.14
<b>Food preparation and serving related occupations</b>	<b>11,218,260</b>	<b>10.04</b>	<b>20,880</b>	<b>8.89</b>
Chefs and head cooks.....	94,300	21.27	44,240	19.27
First-line supervisors/managers of food preparation and serving workers.....	791,750	15.12	31,460	14.17
Cooks, fast food.....	539,520	8.76	18,230	8.52
Cooks, institution and cafeteria.....	383,540	11.48	23,870	10.88
Cooks, private household.....	770	13.33	27,720	11.87
Cooks, restaurant.....	898,820	11.11	23,110	10.66
Cooks, short order.....	166,140	9.94	20,670	9.38
Cooks, all other.....	19,210	11.89	24,730	10.99
Food preparation workers.....	849,400	9.82	20,420	9.15
Bartenders.....	492,480	10.08	20,970	8.82
Combined food preparation and serving workers, including fast food.....	2,695,740	8.71	18,120	8.28
Counter attendants, cafeteria, food concession, and coffee shop.....	490,980	9.13	18,990	8.74
Waiters and waitresses.....	2,302,070	9.80	20,380	8.50
Food servers, nonrestaurant.....	194,950	10.39	21,620	9.42
Dining room and cafeteria attendants and bartender helpers.....	402,020	9.09	18,900	8.51
Dishwashers.....	512,990	8.81	18,330	8.54
Hosts and hostesses, restaurant, lounge, and coffee shop.....	334,310	9.23	19,190	8.71
Food preparation and serving related workers, all other.....	49,260	10.61	22,060	9.54
<b>Building and grounds cleaning and maintenance occupations</b>	<b>4,269,480</b>	<b>12.00</b>	<b>24,970</b>	<b>10.75</b>
First-line supervisors/managers of housekeeping and janitorial workers.....	177,730	17.88	37,180	16.73
First-line supervisors/managers of landscaping, lawn service, and groundskeeping workers.....	103,540	21.19	44,080	19.69
Janitors and cleaners, except maids and housekeeping cleaners.....	2,090,400	11.60	24,120	10.56
Maids and housekeeping cleaners.....	887,890	10.02	20,840	9.26
Building cleaning workers, all other.....	12,290	13.55	28,190	13.16
Pest control workers.....	63,500	15.43	32,100	14.62
Landscaping and groundskeeping workers.....	859,960	12.18	25,340	11.29
Pesticide handlers, sprayers, and applicators, vegetation.....	23,530	15.11	31,420	14.39
Tree trimmers and pruners.....	37,830	15.43	32,090	14.57
Grounds maintenance workers, all other.....	12,840	13.65	28,400	11.49
<b>Personal care and service occupations</b>	<b>3,461,910</b>	<b>11.87</b>	<b>24,680</b>	<b>9.99</b>
Gaming supervisors.....	24,760	23.52	48,920	23.05
Slot key persons.....	14,310	13.73	28,560	12.45
First-line supervisors/managers of personal service workers.....	129,890	18.53	38,540	16.99
Animal trainers.....	10,080	14.94	31,080	12.95
Nonfarm animal caretakers.....	132,860	10.50	21,830	9.40
Gaming dealers.....	86,900	9.76	20,290	8.19
Gaming and sports book writers and runners.....	14,790	11.28	23,460	9.78
Gaming service workers, all other.....	12,050	12.20	25,380	11.47
Motion picture projectionists.....	10,310	11.03	22,950	9.82
Ushers, lobby attendants, and ticket takers.....	104,360	9.43	19,610	8.68
Amusement and recreation attendants.....	257,350	9.35	19,450	8.71
Costume attendants.....	5,150	15.47	32,180	12.60
Locker room, coatroom, and dressing room attendants.....	18,470	10.41	21,640	9.49
Entertainment attendants and related workers, all other.....	45,080	10.10	21,020	9.21
Embalmers.....	8,190	19.80	41,180	19.53
Funeral attendants.....	31,900	11.48	23,880	10.83
Barbers.....	10,550	13.29	27,650	11.61
Hairdressers, hairstylists, and cosmetologists.....	349,210	13.02	27,070	11.21
Makeup artists, theatrical and performance.....	1,930	21.64	45,010	15.12
Manicurists and pedicurists.....	53,020	10.65	22,150	9.48
Shampooers.....	16,170	9.08	18,890	8.61
Skin care specialists.....	28,210	15.38	31,990	13.74
Baggage porters and bellhops.....	49,380	11.34	23,580	9.65
Concierges.....	20,470	13.83	28,760	13.11
Tour guides and escorts.....	31,630	12.50	25,990	11.42
Travel guides.....	4,270	16.01	33,300	15.05
Flight attendants.....	95,810	( <sup>2</sup> )	43,350	( <sup>2</sup> )
Transportation attendants, except flight attendants and baggage porters.....	22,450	11.17	23,230	9.90

See footnotes at end of table.

**Table 1. National employment and wage data from the Occupational Employment Statistics survey by occupation, May 2009—Continued**

Occupation	Employment	Mean wages		Median hourly wages
		Hourly	Annual <sup>1</sup>	
<b>Personal care and service occupations—Continued</b>				
Child care workers.....	595,650	\$10.07	\$20,940	\$9.25
Personal and home care aides.....	630,740	9.75	20,280	9.46
Fitness trainers and aerobics instructors.....	228,170	16.99	35,340	14.74
Recreation workers.....	286,230	12.04	25,040	10.71
Residential advisors.....	57,280	12.54	26,070	11.61
Personal care and service workers, all other.....	74,310	10.99	22,860	9.69
<b>Sales and related occupations</b>	<b>13,715,050</b>	<b>17.32</b>	<b>36,020</b>	<b>11.51</b>
First-line supervisors/managers of retail sales workers.....	1,163,040	18.81	39,130	16.78
First-line supervisors/managers of non-retail sales workers.....	261,200	38.27	79,610	32.44
Cashiers.....	3,439,380	9.15	19,030	8.57
Gaming change persons and booth cashiers.....	19,480	11.11	23,110	10.62
Counter and rental clerks.....	416,950	11.87	24,680	10.24
Parts salespersons.....	208,350	14.65	30,460	13.52
Retail salespersons.....	4,209,500	11.84	24,630	9.74
Advertising sales agents.....	152,420	25.57	53,190	20.85
Insurance sales agents.....	325,710	29.48	61,330	21.87
Securities, commodities, and financial services sales agents.....	271,670	43.94	91,390	32.18
Travel agents.....	76,990	15.60	32,450	14.80
Sales representatives, services, all other.....	543,560	28.49	59,250	23.76
Sales representatives, wholesale and manufacturing, technical and scientific products.....	406,140	39.12	81,370	34.30
Sales representatives, wholesale and manufacturing, except technical and scientific products.....	1,409,780	29.52	61,400	24.48
Demonstrators and product promoters.....	80,910	12.81	26,640	10.82
Models.....	1,510	17.51	36,420	13.14
Real estate brokers.....	48,380	37.68	78,360	26.80
Real estate sales agents.....	151,550	25.53	53,100	19.28
Sales engineers.....	71,640	43.53	90,540	40.00
Telemarketers.....	307,730	11.90	24,760	10.49
Door-to-door sales workers, news and street vendors, and related workers.....	8,460	12.65	26,320	10.24
Sales and related workers, all other.....	140,680	20.12	41,840	16.91
<b>Office and administrative support occupations</b>	<b>22,336,450</b>	<b>15.86</b>	<b>32,990</b>	<b>14.62</b>
First-line supervisors/managers of office and administrative support workers.....	1,381,060	24.04	49,990	22.55
Switchboard operators, including answering service.....	146,980	12.50	26,000	11.93
Telephone operators.....	21,960	15.58	32,410	14.70
Communications equipment operators, all other.....	2,810	18.68	38,850	18.12
Bill and account collectors.....	403,100	15.65	32,560	14.87
Billing and posting clerks and machine operators.....	493,780	15.82	32,900	15.25
Bookkeeping, accounting, and auditing clerks.....	1,757,870	16.71	34,750	16.08
Gaming cage workers.....	16,070	12.68	26,360	12.08
Payroll and timekeeping clerks.....	190,810	17.60	36,600	17.31
Procurement clerks.....	78,150	17.51	36,430	17.36
Tellers.....	576,580	11.91	24,780	11.53
Brokerage clerks.....	62,470	20.55	42,750	19.32
Correspondence clerks.....	10,370	15.86	32,990	15.35
Court, municipal, and license clerks.....	120,690	17.10	35,570	16.12
Credit authorizers, checkers, and clerks.....	57,220	16.20	33,700	15.36
Customer service representatives.....	2,195,860	15.58	32,410	14.56
Eligibility interviewers, government programs.....	110,850	19.56	40,680	19.32
File clerks.....	188,510	12.66	26,320	11.89
Hotel, motel, and resort desk clerks.....	224,360	10.16	21,130	9.53
Interviewers, except eligibility and loan.....	215,930	14.32	29,780	13.78
Library assistants, clerical.....	115,310	11.92	24,790	11.05
Loan interviewers and clerks.....	195,310	16.67	34,670	16.03
New accounts clerks.....	81,650	15.14	31,490	14.73
Order clerks.....	227,190	14.37	29,890	13.71
Human resources assistants, except payroll and timekeeping.....	161,920	18.19	37,840	17.62
Receptionists and information clerks.....	1,052,120	12.50	26,010	12.05
Reservation and transportation ticket agents and travel clerks.....	142,500	15.58	32,400	15.03
All other information and record clerks.....	212,090	17.45	36,300	17.09
Cargo and freight agents.....	82,440	18.72	38,940	17.77
Couriers and messengers.....	93,460	12.36	25,710	11.43
Police, fire, and ambulance dispatchers.....	98,090	17.53	36,470	16.73
Dispatchers, except police, fire, and ambulance.....	185,100	17.94	37,310	16.58

See footnotes at end of table.

**Table 1. National employment and wage data from the Occupational Employment Statistics survey by occupation, May 2009—Continued**

Occupation	Employment	Mean wages		Median hourly wages
		Hourly	Annual <sup>1</sup>	
<b>Office and administrative support occupations—Continued</b>				
Meter readers, utilities.....	42,330	\$17.50	\$36,400	\$16.58
Postal service clerks.....	73,690	24.84	51,670	25.26
Postal service mail carriers.....	339,030	23.53	48,940	25.10
Postal service mail sorters, processors, and processing machine operators.....	162,940	23.20	48,260	25.25
Production, planning, and expediting clerks.....	274,140	20.80	43,260	19.98
Shipping, receiving, and traffic clerks.....	715,130	14.35	29,840	13.58
Stock clerks and order fillers.....	1,864,410	11.28	23,460	10.08
Weighers, measurers, checkers, and samplers, recordkeeping.....	69,890	13.88	28,860	13.13
Executive secretaries and administrative assistants.....	1,361,170	21.16	44,010	20.03
Legal secretaries.....	244,380	20.65	42,940	19.75
Medical secretaries.....	469,740	15.12	31,450	14.51
Secretaries, except legal, medical, and executive.....	1,797,670	14.93	31,060	14.41
Computer operators.....	94,730	18.05	37,540	17.36
Data entry keyers.....	243,550	13.46	28,000	13.05
Word processors and typists.....	109,470	16.21	33,720	15.67
Desktop publishers.....	22,810	18.73	38,960	17.53
Insurance claims and policy processing clerks.....	235,480	17.18	35,740	16.36
Mail clerks and mail machine operators, except postal service.....	131,750	13.05	27,150	12.36
Office clerks, general.....	2,815,240	13.32	27,700	12.57
Office machine operators, except computer.....	70,230	13.49	28,060	12.79
Proofreaders and copy markers.....	14,050	15.63	32,500	14.76
Statistical assistants.....	15,900	18.03	37,500	17.27
Office and administrative support workers, all other.....	266,090	15.37	31,960	14.29
<b>Farming, fishing, and forestry occupations</b>				
First-line supervisors/managers of farming, fishing, and forestry workers.....	<b>419,200</b>	<b>11.53</b>	<b>23,990</b>	<b>9.43</b>
Farm labor contractors.....	20,200	21.02	43,720	19.47
Farm labor contractors.....	1,000	17.37	36,130	14.62
Agricultural inspectors.....	14,030	20.12	41,860	19.95
Animal breeders.....	1,700	16.93	35,210	14.27
Graders and sorters, agricultural products.....	40,160	9.93	20,640	9.14
Agricultural equipment operators.....	22,420	12.12	25,220	11.28
Farmworkers and laborers, crop, nursery, and greenhouse.....	233,650	9.51	19,780	8.91
Farmworkers, farm and ranch animals.....	35,000	11.37	23,640	10.42
Agricultural workers, all other.....	7,420	13.48	28,040	12.31
Fishers and related fishing workers.....	670	12.79	26,600	11.34
Forest and conservation workers.....	5,840	14.14	29,410	12.30
Fallers.....	6,480	17.10	35,570	15.49
Logging equipment operators.....	23,630	15.80	32,870	15.31
Log graders and scalers.....	2,940	17.09	35,550	16.20
Logging workers, all other.....	4,010	16.43	34,180	16.56
<b>Construction and extraction occupations</b>				
First-line supervisors/managers of construction trades and extraction workers.....	<b>5,751,630</b>	<b>20.84</b>	<b>43,350</b>	<b>18.64</b>
Boilermakers.....	531,840	29.68	61,730	28.04
Boilermakers.....	22,400	27.25	56,680	26.97
Brickmasons and blockmasons.....	87,780	23.68	49,250	22.47
Stonemasons.....	14,080	19.24	40,030	17.68
Carpenters.....	743,760	20.98	43,640	18.98
Carpet installers.....	29,080	19.98	41,560	17.90
Floor layers, except carpet, wood, and hard tiles.....	11,870	18.84	39,190	17.34
Floor sanders and finishers.....	7,000	16.89	35,140	15.76
Tile and marble setters.....	41,140	20.41	42,450	18.83
Cement masons and concrete finishers.....	165,700	18.95	39,410	17.04
Terrazzo workers and finishers.....	4,290	19.89	41,360	18.38
Construction laborers.....	856,440	15.96	33,190	14.01
Paving, surfacing, and tamping equipment operators.....	54,850	18.10	37,660	16.36
Pile-driver operators.....	4,240	24.72	51,410	22.24
Operating engineers and other construction equipment operators.....	368,200	21.24	44,180	19.12
Drywall and ceiling tile installers.....	102,880	19.75	41,080	17.88
Tapers.....	24,050	22.54	46,880	21.37
Electricians.....	579,150	24.45	50,850	22.68
Glaziers.....	46,400	19.05	39,630	17.11
Insulation workers, floor, ceiling, and wall.....	26,500	17.35	36,090	15.65
Insulation workers, mechanical.....	29,620	19.86	41,310	17.81
Painters, construction and maintenance.....	214,240	17.94	37,320	16.21

See footnotes at end of table.



**Table 1. National employment and wage data from the Occupational Employment Statistics survey by occupation, May 2009—Continued**

Occupation	Employment	Mean wages		Median hourly wages
		Hourly	Annual <sup>1</sup>	
<b>Construction and extraction occupations—Continued</b>				
Paperhangers.....	5,140	\$20.34	\$42,310	\$18.00
Pipelayers.....	49,190	17.81	37,040	16.12
Plumbers, pipefitters, and steamfitters.....	400,970	23.97	49,870	22.27
Plasterers and stucco masons.....	34,280	19.84	41,260	18.16
Reinforcing iron and rebar workers.....	24,200	21.42	44,560	18.97
Roofers.....	108,180	17.98	37,390	16.33
Sheet metal workers.....	146,690	21.58	44,890	19.54
Structural iron and steel workers.....	65,130	23.30	48,470	21.40
Helpers--brickmasons, blockmasons, stonemasons, and tile and marble setters.....	40,770	14.34	29,830	13.29
Helpers--carpenters.....	62,020	12.87	26,770	12.43
Helpers--electricians.....	90,930	13.40	27,870	12.86
Helpers--painters, paperhangers, plasterers, and stucco masons.....	15,740	11.68	24,300	11.21
Helpers--pipelayers, plumbers, pipefitters, and steamfitters.....	68,270	13.24	27,530	12.91
Helpers--roofers.....	15,440	11.71	24,360	11.35
Helpers, construction trades, all other.....	21,390	13.28	27,630	12.17
Construction and building inspectors.....	90,730	25.75	53,550	24.77
Elevator installers and repairers.....	23,450	32.67	67,950	33.20
Fence erectors.....	21,840	14.49	30,140	13.47
Hazardous materials removal workers.....	41,100	19.36	40,270	17.92
Highway maintenance workers.....	139,490	16.98	35,310	16.47
Rail-track laying and maintenance equipment operators.....	14,880	22.11	46,000	21.94
Septic tank servicers and sewer pipe cleaners.....	24,690	17.05	35,470	16.03
Segmental pavers.....	1,040	13.81	28,730	13.33
Construction and related workers, all other.....	47,630	17.55	36,490	16.34
Derrick operators, oil and gas.....	21,080	20.96	43,590	20.66
Rotary drill operators, oil and gas.....	25,500	28.63	59,560	25.49
Service unit operators, oil, gas, and mining.....	36,450	20.52	42,690	18.49
Earth drillers, except oil and gas.....	17,850	20.22	42,070	18.82
Explosives workers, ordnance handling experts, and blasters.....	6,280	21.65	45,030	20.41
Continuous mining machine operators.....	11,230	22.44	46,680	22.56
Mine cutting and channeling machine operators.....	7,940	20.73	43,120	20.68
Mining machine operators, all other.....	4,830	20.93	43,540	20.88
Rock splitters, quarry.....	3,430	14.64	30,440	13.96
Roof bolters, mining.....	5,470	22.96	47,750	22.80
Roustabouts, oil and gas.....	61,320	16.44	34,190	15.31
Helpers--extraction workers.....	24,210	17.73	36,870	16.62
Extraction workers, all other.....	7,340	19.81	41,210	19.17
<b>Installation, maintenance, and repair occupations</b>				
First-line supervisors/managers of mechanics, installers, and repairers.....	<b>5,114,150</b>	<b>20.30</b>	<b>42,210</b>	<b>19.04</b>
Computer, automated teller, and office machine repairers.....	427,560	29.15	60,630	28.18
Radio mechanics.....	111,600	18.95	39,420	18.09
Telecommunications equipment installers and repairers, except line installers.....	5,690	20.31	42,250	19.74
Avionics technicians.....	189,850	25.48	52,990	26.71
Avionics technicians.....	17,960	24.20	50,330	24.31
Electric motor, power tool, and related repairers.....	20,660	18.40	38,280	17.44
Electrical and electronics installers and repairers, transportation equipment.....	13,900	22.38	46,550	22.03
Electrical and electronics repairers, commercial and industrial equipment.....	72,520	24.62	51,210	24.39
Electrical and electronics repairers, powerhouse, substation, and relay.....	22,870	29.66	61,700	29.94
Electronic equipment installers and repairers, motor vehicles.....	17,090	14.36	29,880	13.49
Electronic home entertainment equipment installers and repairers.....	34,200	16.36	34,030	15.54
Security and fire alarm systems installers.....	63,690	19.15	39,830	18.13
Aircraft mechanics and service technicians.....	112,130	25.47	52,970	25.39
Automotive body and related repairers.....	133,290	19.72	41,020	18.26
Automotive glass installers and repairers.....	15,920	16.34	33,980	15.91
Automotive service technicians and mechanics.....	606,990	18.21	37,880	17.03
Bus and truck mechanics and diesel engine specialists.....	232,810	20.00	41,590	19.35
Farm equipment mechanics.....	30,250	16.32	33,950	15.85
Mobile heavy equipment mechanics, except engines.....	120,450	21.94	45,630	21.21
Rail car repairers.....	20,910	22.32	46,430	22.33
Motorboat mechanics.....	18,180	17.85	37,120	17.03
Motorcycle mechanics.....	16,070	16.29	33,870	15.30
Outdoor power equipment and other small engine mechanics.....	26,010	14.61	30,400	14.08
Bicycle repairers.....	9,290	11.65	24,240	11.28
Recreational vehicle service technicians.....	10,860	16.50	34,320	15.45
Tire repairers and changers.....	92,440	11.83	24,610	11.11

See footnotes at end of table.

**Table 1. National employment and wage data from the Occupational Employment Statistics survey by occupation, May 2009—Continued**

Occupation	Employment	Mean wages		Median hourly wages
		Hourly	Annual <sup>1</sup>	
<b>Installation, maintenance, and repair occupations—Continued</b>				
Mechanical door repairers.....	15,330	\$17.44	\$36,270	\$16.64
Control and valve installers and repairers, except mechanical door.....	42,180	23.01	47,860	22.71
Heating, air conditioning, and refrigeration mechanics and installers.....	244,410	21.00	43,670	19.76
Home appliance repairers.....	34,670	17.11	35,590	16.44
Industrial machinery mechanics.....	276,230	22.19	46,160	21.38
Maintenance and repair workers, general.....	1,268,930	17.56	36,520	16.65
Maintenance workers, machinery.....	66,390	19.03	39,570	18.16
Millwrights.....	41,640	24.09	50,110	23.14
Refractory materials repairers, except brickmasons.....	2,080	20.82	43,310	19.97
Electrical power-line installers and repairers.....	108,980	26.86	55,860	27.24
Telecommunications line installers and repairers.....	162,400	23.23	48,310	23.61
Camera and photographic equipment repairers.....	3,290	18.85	39,210	17.03
Medical equipment repairers.....	34,550	21.61	44,950	20.34
Musical instrument repairers and tuners.....	5,580	17.47	36,330	15.77
Watch repairers.....	2,350	19.62	40,810	18.12
Precision instrument and equipment repairers, all other.....	13,240	24.41	50,770	24.11
Coin, vending, and amusement machine servicers and repairers.....	38,470	15.27	31,760	14.64
Commercial divers.....	3,030	27.91	58,060	25.26
Fabric menders, except garment.....	840	13.28	27,630	13.50
Locksmiths and safe repairers.....	16,910	18.05	37,550	17.20
Manufactured building and mobile home installers.....	6,780	14.34	29,820	13.81
Riggers.....	13,310	21.15	43,990	20.37
Signal and track switch repairers.....	6,450	24.29	50,520	24.78
Helpers--installation, maintenance, and repair workers.....	135,880	12.62	26,260	11.61
Installation, maintenance, and repair workers, all other.....	127,060	18.49	38,450	17.08
<b>Production occupations</b>	<b>8,927,130</b>	<b>16.01</b>	<b>33,290</b>	<b>14.41</b>
First-line supervisors/managers of production and operating workers.....	605,560	26.51	55,150	25.03
Aircraft structure, surfaces, rigging, and systems assemblers.....	39,870	21.44	44,600	21.86
Coil winders, tapers, and finishers.....	18,730	14.05	29,210	13.48
Electrical and electronic equipment assemblers.....	193,570	14.76	30,690	13.77
Electromechanical equipment assemblers.....	56,460	15.24	31,700	14.75
Engine and other machine assemblers.....	34,080	17.86	37,150	16.58
Structural metal fabricators and fitters.....	96,870	16.87	35,080	16.29
Fiberglass laminators and fabricators.....	22,360	14.07	29,270	13.65
Team assemblers.....	997,390	13.87	28,840	12.89
Timing device assemblers, adjusters, and calibrators.....	2,260	14.41	29,970	13.50
Assemblers and fabricators, all other.....	267,780	15.52	32,280	13.39
Bakers.....	140,510	12.19	25,350	11.36
Butchers and meat cutters.....	125,510	14.55	30,270	13.87
Meat, poultry, and fish cutters and trimmers.....	168,700	11.01	22,900	10.64
Slaughterers and meat packers.....	97,530	11.42	23,740	11.30
Food and tobacco roasting, baking, and drying machine operators and tenders.....	16,260	13.88	28,870	13.11
Food batchmakers.....	100,190	12.85	26,730	11.68
Food cooking machine operators and tenders.....	37,060	11.84	24,630	11.11
Computer-controlled machine tool operators, metal and plastic.....	129,780	17.10	35,570	16.57
Numerical tool and process control programmers.....	15,480	23.19	48,230	22.12
Extruding and drawing machine setters, operators, and tenders, metal and plastic.....	81,610	15.54	32,320	14.94
Forging machine setters, operators, and tenders, metal and plastic.....	24,590	16.20	33,700	15.62
Rolling machine setters, operators, and tenders, metal and plastic.....	32,880	17.63	36,670	17.03
Cutting, punching, and press machine setters, operators, and tenders, metal and plastic.....	209,730	14.65	30,480	14.02
Drilling and boring machine tool setters, operators, and tenders, metal and plastic.....	28,140	15.84	32,940	15.13
Grinding, lapping, polishing, and buffing machine tool setters, operators, and tenders, metal and plastic.....	81,740	15.43	32,090	14.56
Lathe and turning machine tool setters, operators, and tenders, metal and plastic.....	51,260	16.83	35,000	16.29
Milling and planing machine setters, operators, and tenders, metal and plastic.....	23,770	17.40	36,190	16.69
Machinists.....	380,720	18.72	38,940	18.10
Metal-refining furnace operators and tenders.....	16,960	18.67	38,830	18.22
Pourers and casters, metal.....	13,090	16.71	34,760	16.24
Model makers, metal and plastic.....	7,710	21.44	44,590	19.82
Patternmakers, metal and plastic.....	5,220	18.62	38,730	17.54
Foundry mold and coremakers.....	13,550	14.93	31,050	14.41
Molding, coremaking, and casting machine setters, operators, and tenders, metal and plastic.....	126,840	14.30	29,750	13.40
Multiple machine tool setters, operators, and tenders, metal and plastic.....	76,130	15.80	32,860	15.01

See footnotes at end of table.

**Table 1. National employment and wage data from the Occupational Employment Statistics survey by occupation, May 2009—Continued**

Occupation	Employment	Mean wages		Median hourly wages
		Hourly	Annual <sup>1</sup>	
<b>Production occupations—Continued</b>				
Tool and die makers.....	73,640	\$23.43	\$48,730	\$22.55
Welders, cutters, solderers, and brazers.....	357,740	17.61	36,630	16.71
Welding, soldering, and brazing machine setters, operators, and tenders.....	41,580	16.43	34,170	15.74
Heat treating equipment setters, operators, and tenders, metal and plastic.....	20,420	16.24	33,790	15.70
Lay-out workers, metal and plastic.....	9,020	18.38	38,240	17.77
Plating and coating machine setters, operators, and tenders, metal and plastic.....	34,310	14.57	30,300	13.75
Tool grinders, filers, and sharpeners.....	13,740	16.88	35,110	16.00
Metal workers and plastic workers, all other.....	35,190	16.78	34,910	15.46
Bindery workers.....	53,870	14.40	29,960	13.55
Bookbinders.....	6,430	16.26	33,830	14.72
Job printers.....	39,180	17.24	35,860	16.56
Prepress technicians and workers.....	53,710	17.96	37,360	17.21
Printing machine operators.....	174,720	16.84	35,030	15.85
Laundry and dry-cleaning workers.....	211,490	10.00	20,790	9.28
Pressers, textile, garment, and related materials.....	60,440	9.78	20,330	9.31
Sewing machine operators.....	165,680	10.70	22,250	9.74
Shoe and leather workers and repairers.....	7,190	11.83	24,610	11.16
Shoe machine operators and tenders.....	3,990	12.80	26,620	12.69
Sewers, hand.....	6,020	11.71	24,350	11.07
Tailors, dressmakers, and custom sewers.....	26,450	13.60	28,300	12.81
Textile bleaching and dyeing machine operators and tenders.....	12,980	11.82	24,580	11.22
Textile cutting machine setters, operators, and tenders.....	17,890	11.95	24,850	11.35
Textile knitting and weaving machine setters, operators, and tenders.....	24,530	12.46	25,910	12.33
Textile winding, twisting, and drawing out machine setters, operators, and tenders.....	30,530	12.40	25,780	12.10
Extruding and forming machine setters, operators, and tenders, synthetic and glass fibers.....	13,680	15.48	32,190	15.12
Fabric and apparel patternmakers.....	6,640	20.64	42,940	18.75
Upholsterers.....	33,810	15.21	31,640	14.42
Textile, apparel, and furnishings workers, all other.....	14,220	13.95	29,010	12.24
Cabinetmakers and bench carpenters.....	99,870	14.95	31,100	14.22
Furniture finishers.....	18,760	14.00	29,120	13.26
Model makers, wood.....	1,900	16.33	33,970	14.72
Patternmakers, wood.....	1,540	18.53	38,540	15.48
Sawing machine setters, operators, and tenders, wood.....	41,750	13.12	27,290	12.51
Woodworking machine setters, operators, and tenders, except sawing.....	72,560	12.81	26,630	12.25
Woodworkers, all other.....	9,980	13.03	27,090	11.43
Nuclear power reactor operators.....	4,840	35.66	74,180	34.93
Power distributors and dispatchers.....	10,000	32.17	66,910	32.21
Power plant operators.....	36,860	28.97	60,270	29.04
Stationary engineers and boiler operators.....	37,270	25.02	52,040	24.70
Water and liquid waste treatment plant and system operators.....	109,090	19.99	41,580	19.16
Chemical plant and system operators.....	45,750	25.97	54,010	26.09
Gas plant operators.....	14,040	26.86	55,860	27.02
Petroleum pump system operators, refinery operators, and gaugers.....	46,230	27.40	56,990	27.37
Plant and system operators, all other.....	11,050	23.97	49,860	23.92
Chemical equipment operators and tenders.....	48,360	21.68	45,100	21.70
Separating, filtering, clarifying, precipitating, and still machine setters, operators, and tenders.....	37,490	18.49	38,450	18.04
Crushing, grinding, and polishing machine setters, operators, and tenders.....	38,360	15.80	32,860	15.14
Grinding and polishing workers, hand.....	32,350	13.40	27,870	12.78
Mixing and blending machine setters, operators, and tenders.....	129,250	16.09	33,460	15.43
Cutters and trimmers, hand.....	20,180	12.59	26,190	11.64
Cutting and slicing machine setters, operators, and tenders.....	70,700	14.77	30,720	14.23
Extruding, forming, pressing, and compacting machine setters, operators, and tenders.....	72,770	15.08	31,370	14.36
Furnace, kiln, oven, drier, and kettle operators and tenders.....	19,900	16.54	34,410	16.00
Inspectors, testers, sorters, samplers, and weighers.....	430,450	16.75	34,840	15.54
Jewelers and precious stone and metal workers.....	23,410	17.60	36,620	16.38
Dental laboratory technicians.....	40,480	18.12	37,690	16.74
Medical appliance technicians.....	13,760	18.55	38,590	16.83
Ophthalmic laboratory technicians.....	30,580	14.37	29,880	13.57
Packaging and filling machine operators and tenders.....	338,920	13.13	27,320	12.08
Coating, painting, and spraying machine setters, operators, and tenders.....	89,430	14.69	30,550	14.06

See footnotes at end of table.

**Table 1. National employment and wage data from the Occupational Employment Statistics survey by occupation, May 2009—Continued**

Occupation	Employment	Mean wages		Median hourly wages
		Hourly	Annual <sup>1</sup>	
<b>Production occupations—Continued</b>				
Painters, transportation equipment.....	46,810	\$19.82	\$41,220	\$18.38
Painting, coating, and decorating workers.....	28,460	12.47	25,940	11.44
Photographic process workers.....	18,390	14.28	29,710	12.73
Photographic processing machine operators.....	46,680	10.74	22,330	9.69
Semiconductor processors.....	25,750	15.92	33,110	15.18
Cementing and gluing machine operators and tenders.....	16,190	14.46	30,080	13.89
Cleaning, washing, and metal pickling equipment operators and tenders.....	19,550	12.88	26,800	11.86
Cooling and freezing equipment operators and tenders.....	9,160	13.96	29,040	12.75
Etchers and engravers.....	8,920	14.27	29,690	13.35
Molders, shapers, and casters, except metal and plastic.....	35,430	14.33	29,800	13.69
Paper goods machine setters, operators, and tenders.....	94,210	16.85	35,040	16.40
Tire builders.....	17,820	18.19	37,830	18.95
Helpers--production workers.....	433,370	11.54	24,000	10.75
Production workers, all other.....	239,550	14.97	31,130	13.33
<b>Transportation and material moving occupations</b>	<b>8,844,700</b>	<b>15.47</b>	<b>32,180</b>	<b>13.46</b>
Aircraft cargo handling supervisors.....	5,370	23.46	48,790	20.43
First-line supervisors/managers of helpers, laborers, and material movers, hand.....	174,540	21.76	45,250	20.65
First-line supervisors/managers of transportation and material-moving machine and vehicle operators.....	205,780	26.32	54,750	25.12
Airline pilots, copilots, and flight engineers.....	74,420	( <sup>2</sup> )	117,060	( <sup>2</sup> )
Commercial pilots.....	29,180	( <sup>2</sup> )	73,060	( <sup>2</sup> )
Air traffic controllers.....	24,420	51.44	106,990	52.81
Airfield operations specialists.....	7,670	20.79	43,250	20.10
Ambulance drivers and attendants, except emergency medical technicians.....	19,570	11.13	23,140	10.66
Bus drivers, transit and intercity.....	177,510	17.30	35,990	16.43
Bus drivers, school.....	459,480	13.49	28,050	13.17
Driver/sales workers.....	363,050	12.83	26,690	10.93
Truck drivers, heavy and tractor-trailer.....	1,550,930	18.87	39,260	18.14
Truck drivers, light or delivery services.....	834,780	14.96	31,120	13.62
Taxi drivers and chauffeurs.....	167,740	11.51	23,930	10.56
Motor vehicle operators, all other.....	73,410	14.95	31,100	12.56
Locomotive engineers.....	43,560	25.77	53,590	23.01
Locomotive firers.....	960	24.71	51,400	22.63
Rail yard engineers, dinkey operators, and hostlers.....	5,360	17.35	36,090	16.02
Railroad brake, signal, and switch operators.....	24,270	23.85	49,600	23.09
Railroad conductors and yardmasters.....	41,540	26.39	54,900	25.93
Subway and streetcar operators.....	6,050	25.38	52,800	27.11
Rail transportation workers, all other.....	4,310	21.14	43,960	20.92
Sailors and marine oilers.....	31,950	17.94	37,310	17.22
Captains, mates, and pilots of water vessels.....	30,450	34.01	70,740	30.88
Motorboat operators.....	3,070	18.46	38,390	15.97
Ship engineers.....	10,850	33.38	69,420	30.59
Bridge and lock tenders.....	4,290	20.02	41,630	20.38
Parking lot attendants.....	129,990	9.90	20,600	9.23
Service station attendants.....	79,480	10.01	20,820	9.27
Traffic technicians.....	6,570	20.90	43,470	19.87
Transportation inspectors.....	24,250	29.38	61,110	27.06
Transportation workers, all other.....	39,870	16.94	35,240	15.39
Conveyor operators and tenders.....	38,730	14.59	30,350	13.92
Crane and tower operators.....	40,770	22.93	47,700	21.22
Dredge operators.....	1,990	18.43	38,330	16.63
Excavating and loading machine and dragline operators.....	57,990	18.53	38,540	17.28
Loading machine operators, underground mining.....	3,570	21.14	43,970	21.36
Hoist and winch operators.....	2,990	20.01	41,620	17.89
Industrial truck and tractor operators.....	568,270	15.02	31,240	14.21
Cleaners of vehicles and equipment.....	298,500	10.63	22,110	9.47
Laborers and freight, stock, and material movers, hand.....	2,135,790	12.16	25,290	11.11
Machine feeders and offbearers.....	129,180	13.19	27,430	12.64

See footnotes at end of table.

**Table 1. National employment and wage data from the Occupational Employment Statistics survey by occupation, May 2009—Continued**

Occupation	Employment	Mean wages		Median hourly wages
		Hourly	Annual <sup>1</sup>	
<b>Transportation and material moving occupations—Continued</b>				
Packers and packagers, hand.....	706,240	\$10.47	\$21,780	\$9.36
Gas compressor and gas pumping station operators.....	4,160	23.01	47,860	23.49
Pump operators, except wellhead pumpers.....	10,310	19.95	41,490	18.97
Wellhead pumpers.....	15,360	19.33	40,210	18.48
Refuse and recyclable material collectors.....	128,940	16.23	33,760	15.42
Shuttle car operators.....	3,520	22.31	46,400	21.91
Tank car, truck, and ship loaders.....	11,560	19.49	40,530	18.76
Material moving workers, all other.....	32,180	16.45	34,220	15.39

<sup>1</sup> 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.

<sup>2</sup> 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.

<sup>3</sup> Represents a wage above \$80.00 per hour.

**Table 2. Employment by industry and occupational group, May 2009**

Industry	Total	Occupational group									
		Management	Business and financial operations	Computer and mathematical science	Architecture and engineering	Life, physical, and social science	Community and social services	Legal	Education, training, and library	Arts, design, entertainment, sports, and media	Healthcare practitioner and technical
All industries .....	130,647,610	6,116,380	6,063,670	3,303,690	2,412,730	1,308,380	1,891,320	999,020	8,488,740	1,745,670	7,200,950
Agriculture, forestry, fishing, and hunting.....	381,900	6,320	1,400	260	80	2,490	( <sup>1</sup> )	( <sup>1</sup> )	270	130	170
Mining.....	683,880	33,640	22,950	5,160	35,530	19,560	( <sup>1</sup> )	2,220	( <sup>1</sup> )	350	2,500
Utilities.....	558,640	35,090	39,760	17,090	49,680	9,730	( <sup>1</sup> )	1,620	150	2,180	1,580
Construction.....	6,497,870	341,950	194,010	9,540	78,380	3,360	120	1,180	( <sup>1</sup> )	6,980	2,330
Manufacturing.....	12,444,560	657,010	403,790	267,850	754,010	147,140	160	5,150	1,120	80,000	17,410
Wholesale trade.....	5,734,040	337,630	216,620	169,720	60,920	31,760	350	2,480	730	55,200	13,560
Retail trade.....	14,974,830	329,550	138,310	56,120	4,490	5,190	520	1,240	4,860	103,820	462,380
Transportation and warehousing.....	5,085,590	153,080	95,300	25,800	25,810	3,800	100	1,520	1,220	3,730	4,390
Information.....	2,876,820	204,890	158,330	421,000	58,010	26,070	240	6,720	14,540	446,580	1,080
Finance and insurance.....	5,706,700	454,640	1,296,180	302,930	2,760	26,290	3,910	51,760	1,150	20,620	29,130
Real estate and rental and leasing.....	2,018,810	194,280	96,840	13,660	3,860	6,330	2,190	6,610	400	14,170	6,710
Professional, scientific, and technical services.....	7,610,310	564,510	963,250	1,124,020	894,100	382,200	6,880	607,180	17,910	322,070	159,690
Management of companies and enterprises.....	1,919,180	342,620	357,800	195,980	53,120	32,500	13,790	21,190	4,480	31,600	24,770
Administrative and support and waste management and remediation services.....	7,528,410	241,120	281,100	134,870	65,040	27,050	10,190	19,260	27,930	37,650	158,620
Educational services.....	12,795,350	563,430	237,440	193,360	22,360	169,370	295,800	( <sup>1</sup> )	7,558,080	234,010	245,280
Health care and social assistance.....	16,867,510	585,380	230,140	94,260	4,420	90,510	955,590	4,060	531,850	35,210	5,597,370
Arts, entertainment, and recreation.....	1,928,740	65,390	36,470	5,810	1,970	4,730	580	410	30,260	187,530	5,620
Accommodation and food services.....	11,282,380	283,890	37,320	2,570	320	1,430	350	200	460	14,480	3,840
Other services (except public administration).....	3,823,970	189,350	203,130	27,970	6,770	14,570	103,740	8,730	74,700	85,890	9,030
Federal, state, and local government.....	9,928,110	532,590	1,053,500	235,740	291,100	304,280	496,780	253,740	218,570	63,470	455,470

See footnote at end of table.

Table 2. Employment by industry and occupational group, May 2009—Continued

Industry	Occupational group											
	Healthcare support	Protective service	Food preparation and serving related	Building and grounds cleaning and maintenance	Personal care and service	Sales and related	Office and administrative support	Farming, fishing, and forestry	Construction and extraction	Installation, maintenance, and repair	Production	Transportation and material moving
All industries .....	3,886,690	3,172,420	11,218,260	4,269,480	3,461,910	13,715,050	22,336,450	419,200	5,751,630	5,114,150	8,927,130	8,844,700
Agriculture, forestry, fishing, and hunting.....	60	400	( <sup>1</sup> )	4,010	4,790	2,000	19,130	269,600	580	7,010	12,480	50,720
Mining.....	( <sup>1</sup> )	710	500	1,440	180	8,930	56,570	280	280,920	59,280	53,650	99,490
Utilities.....	( <sup>1</sup> )	5,360	( <sup>1</sup> )	3,150	( <sup>1</sup> )	9,470	114,110	270	32,260	144,410	80,440	12,230
Construction.....	( <sup>1</sup> )	3,930	1,670	36,270	1,150	126,200	636,900	740	4,219,450	508,770	99,580	225,250
Manufacturing.....	740	17,120	34,220	76,680	780	376,570	1,208,460	31,590	211,200	618,890	6,441,390	1,093,270
Wholesale trade.....	970	5,070	4,930	26,150	1,340	1,539,110	1,341,020	47,670	372,100	306,910	1,177,390	306,910
Retail trade.....	58,490	66,840	483,120	118,480	88,920	8,151,620	2,612,420	18,640	48,120	721,040	413,760	1,086,930
Transportation and warehousing.....	250	17,790	7,010	35,680	152,020	85,680	1,458,510	2,400	30,150	288,570	69,670	2,623,110
Information.....	100	4,480	43,510	12,660	55,890	378,400	622,940	( <sup>1</sup> )	4,080	296,950	64,180	56,150
Finance and insurance.....	1,610	11,960	1,530	12,700	1,110	723,910	2,746,020	190	1,080	11,390	2,280	3,550
Real estate and rental and leasing.....	3,910	28,460	21,470	147,940	21,650	501,310	450,590	890	28,710	326,710	9,850	132,280
Professional, scientific, and technical services.....	70,960	12,020	5,750	33,970	33,580	336,910	1,776,170	4,200	59,590	71,020	106,780	57,570
Management of companies and enterprises.....	6,180	7,950	11,040	10,230	7,410	96,850	565,470	1,080	8,090	41,640	27,080	58,330
Administrative and support and waste management and remediation services.....	91,890	713,230	71,580	1,623,550	56,730	491,870	1,680,410	10,430	246,720	192,370	561,720	785,080
Educational services.....	36,970	110,810	464,080	545,040	224,730	37,750	1,363,920	2,860	42,550	146,640	20,060	277,080
Health care and social assistance.....	3,422,450	69,200	535,070	465,490	1,091,830	57,650	2,729,310	540	17,680	130,480	105,130	113,870
Arts, entertainment, and recreation.....	5,020	74,010	308,910	186,650	559,830	149,140	179,590	2,370	9,340	69,030	5,590	40,490
Accommodation and food services.....	7,920	65,600	9,010,680	576,290	137,240	348,070	413,330	550	4,350	95,710	74,860	202,920
Other services (except public administration).....	34,680	44,890	97,560	104,470	726,050	227,500	582,740	1,440	13,180	625,320	305,750	336,500
Federal, state, and local government.....	144,410	1,912,600	115,610	248,650	296,670	66,120	1,778,850	23,450	471,170	386,820	166,000	412,500

<sup>1</sup> Data not available.

**Table 3. Hourly mean wage rates by industry and occupational group, May 2009**

Industry	Occupational group										
	Management	Business and financial operations	Computer and mathematical science	Architecture and engineering	Life, physical, and social science	Community and social services	Legal	Education, training, and library	Arts, design, entertainment, sports, and media	Healthcare practitioner and technical	Healthcare support
All industries .....	\$49.47	\$31.68	\$36.68	\$35.38	\$31.57	\$20.55	\$46.07	\$23.81	\$24.87	\$33.51	\$12.84
Agriculture, forestry, fishing, and hunting.....	41.18	27.04	28.99	28.89	21.83	( <sup>1</sup> )	( <sup>1</sup> )	22.34	16.38	33.32	13.85
Mining.....	57.09	33.98	35.61	46.85	42.69	( <sup>1</sup> )	46.65	( <sup>1</sup> )	32.93	30.91	( <sup>1</sup> )
Utilities.....	54.97	34.40	36.94	37.29	33.47	( <sup>1</sup> )	59.13	29.75	32.17	34.89	( <sup>1</sup> )
Construction.....	50.28	30.52	31.50	33.29	29.35	17.61	49.83	( <sup>1</sup> )	22.59	28.67	10.79
Manufacturing.....	55.15	31.26	40.97	35.51	32.08	26.14	62.85	27.31	24.73	30.07	17.17
Wholesale trade.....	58.12	31.25	37.33	35.54	33.90	19.72	58.53	25.53	23.71	29.32	14.12
Retail trade.....	44.06	26.15	28.21	31.67	26.92	19.08	37.27	19.63	15.16	28.71	10.66
Transportation and warehousing.....	44.55	28.97	33.39	34.19	31.17	22.06	55.54	24.78	23.66	24.59	16.16
Information.....	62.20	34.47	38.12	36.88	37.47	18.67	57.98	20.66	27.83	29.99	20.10
Finance and insurance.....	58.99	33.33	37.15	38.51	32.82	24.17	39.34	27.71	28.03	31.32	15.65
Real estate and rental and leasing.....	37.58	29.65	30.91	34.90	26.56	18.57	39.48	19.85	22.29	23.95	13.06
Professional, scientific, and technical services.....	63.96	35.98	38.84	34.60	32.51	23.34	49.10	28.75	27.58	26.81	11.25
Management of companies and enterprises.....	60.06	32.66	36.37	38.01	36.48	20.38	58.32	19.79	28.44	32.43	15.53
Administrative and support and waste management and remediation services.....	48.20	29.22	32.66	32.86	27.49	( <sup>1</sup> )	34.17	21.56	24.96	29.98	13.12
Educational services.....	43.92	27.49	27.38	31.88	27.28	26.70	44.91	24.72	19.35	29.16	15.09
Health care and social assistance.....	40.50	25.91	29.55	31.25	34.37	17.92	40.24	13.48	22.47	34.61	12.73
Arts, entertainment, and recreation.....	42.90	31.58	28.15	40.32	24.15	17.03	67.57	19.60	25.40	22.27	19.55
Accommodation and food services.....	29.02	23.42	26.61	31.63	22.79	16.26	40.82	14.37	18.84	23.72	16.98
Other services (except public administration).....	42.37	26.58	30.03	32.83	28.37	19.00	45.49	15.79	24.51	27.10	16.83
Federal, state, and local government.....	40.14	30.60	34.92	36.51	30.51	22.26	39.43	21.23	27.01	31.80	14.90

See footnote at end of table.



**Table 3. Hourly mean wage rates by industry and occupational group, May 2009—Continued**

Industry	Occupational group										
	Protective service	Food preparation and serving related	Building and grounds cleaning and maintenance	Personal care and service	Sales and related	Office and administrative support	Farming, fishing, and forestry	Construction and extraction	Installation, maintenance, and repair	Production	Transportation and material moving
All industries .....	20.07	10.04	12.00	11.87	17.32	15.86	11.53	20.84	20.30	16.01	15.47
Agriculture, forestry, fishing, and hunting.....	11.15	( <sup>1</sup> )	12.65	13.60	28.10	13.77	10.66	16.95	15.93	11.71	12.32
Mining.....	15.50	12.66	11.73	15.77	35.25	17.02	14.58	21.59	22.74	22.39	19.02
Utilities.....	23.61	( <sup>1</sup> )	16.31	( <sup>1</sup> )	29.15	20.06	13.41	25.91	28.19	28.73	22.31
Construction.....	14.80	11.10	12.96	12.32	28.40	16.30	( <sup>1</sup> )	20.93	20.60	18.72	17.62
Manufacturing.....	17.22	10.45	12.42	12.33	29.15	17.31	12.75	20.89	22.08	16.26	14.62
Wholesale trade.....	13.82	10.25	12.17	11.93	30.14	15.91	11.51	19.76	20.25	15.33	14.96
Retail trade.....	13.09	10.48	10.44	10.15	12.00	12.04	10.95	18.06	17.64	13.51	11.41
Transportation and warehousing.....	17.66	13.07	18.46	17.40	25.61	19.57	12.82	23.19	22.78	19.34	19.00
Information.....	17.21	9.07	12.58	10.21	25.17	17.35	( <sup>1</sup> )	25.71	25.79	17.36	14.01
Finance and insurance.....	19.98	13.06	11.97	13.70	33.59	16.29	11.77	24.45	19.30	17.80	18.18
Real estate and rental and leasing.....	14.10	10.62	12.17	13.04	18.55	15.28	12.58	21.14	16.61	16.94	13.11
Professional, scientific, and technical services.....	22.93	11.50	12.38	10.29	30.57	17.28	14.18	23.72	22.11	17.73	14.93
Management of companies and enterprises.....	18.46	13.61	13.15	12.42	30.27	17.95	16.91	24.34	22.38	19.44	16.03
Administrative and support and waste management and remediation services.....	12.42	10.90	11.66	11.54	16.79	14.35	11.62	17.50	18.73	12.37	12.64
Educational services.....	16.01	11.00	13.95	12.01	18.65	15.91	15.71	22.41	19.35	20.36	13.69
Health care and social assistance.....	14.82	10.96	11.28	10.23	17.75	15.31	10.84	22.86	18.15	12.69	12.01
Arts, entertainment, and recreation.....	11.72	10.78	11.95	12.70	11.89	13.90	12.07	23.97	17.00	16.81	13.47
Accommodation and food services.....	12.80	9.84	10.34	11.99	9.84	12.25	13.01	21.43	15.44	11.12	9.56
Other services (except public administration).....	11.23	10.04	11.44	12.50	14.46	14.44	14.53	21.21	18.24	12.85	11.11
Federal, state, and local government.....	24.53	12.76	14.75	12.70	15.87	17.58	18.64	20.45	22.27	22.39	20.72

<sup>1</sup> Data not available.

**Table 4. National employment and wage data for occupations with employment greater than 700,000, May 2009**

Occupation	Major Occupational Group	Employment	Median wages		Mean hourly wages
			Hourly	Annual <sup>1</sup>	
Retail salespersons.....	Sales and related.....	4,209,500	\$9.74	\$20,260	\$11.84
Cashiers.....	Sales and related.....	3,439,380	8.57	17,820	9.15
General office clerks.....	Office and administrative support.....	2,815,240	12.57	26,140	13.32
Combined food preparation and serving workers, including fast food.....	Food preparation and serving related.....	2,695,740	8.28	17,220	8.71
Registered nurses.....	Healthcare practitioner and technical.....	2,583,770	30.65	63,750	31.99
Waiters and waitresses.....	Food preparation and serving related.....	2,302,070	8.50	17,690	9.80
Customer service representatives.....	Office and administrative support.....	2,195,860	14.56	30,290	15.58
Laborers and freight, stock, and material movers, hand.....	Transportation and material moving.....	2,135,790	11.11	23,110	12.16
Janitors and cleaners, except maids and housekeeping cleaners.....	Building and grounds cleaning and maintenance.....	2,090,400	10.56	21,970	11.60
Stock clerks and order fillers.....	Office and administrative support.....	1,864,410	10.08	20,960	11.28
Secretaries, except legal, medical, and executive.....	Office and administrative support.....	1,797,670	14.41	29,980	14.93
Bookkeeping, accounting, and auditing clerks.....	Office and administrative support.....	1,757,870	16.08	33,450	16.71
General and operations managers.....	Management.....	1,689,680	44.55	92,650	53.15
Truck drivers, heavy and tractor-trailer.....	Transportation and material moving.....	1,550,930	18.14	37,730	18.87
Elementary school teachers, except special education.....	Education, training, and library.....	1,544,300	( <sup>2</sup> )	50,510	( <sup>2</sup> )
Nursing aides, orderlies, and attendants.....	Healthcare support.....	1,438,010	11.56	24,040	12.01
Sales representatives, wholesale and manufacturing, except technical and scientific products.....	Sales and related.....	1,409,780	24.48	50,920	29.52
First-line supervisors/managers of office and administrative support workers.....	Office and administrative support.....	1,381,060	22.55	46,910	24.04
Executive secretaries and administrative assistants.....	Office and administrative support.....	1,361,170	20.03	41,650	21.16
Teacher assistants.....	Education, training, and library.....	1,275,410	( <sup>2</sup> )	22,820	( <sup>2</sup> )
Maintenance and repair workers, general.....	Installation, maintenance, and repair.....	1,268,930	16.65	34,620	17.56
First-line supervisors/managers of retail sales workers.....	Sales and related.....	1,163,040	16.78	34,900	18.81
Accountants and auditors.....	Business and financial operations.....	1,106,980	29.01	60,340	32.42
Secondary school teachers, except special and vocational education.....	Education, training, and library.....	1,091,710	( <sup>2</sup> )	52,200	( <sup>2</sup> )
Receptionists and information clerks.....	Office and administrative support.....	1,052,120	12.05	25,070	12.50
Business operations specialists, all other.....	Business and financial operations.....	1,036,450	29.14	60,610	31.71
Security guards.....	Protective service.....	1,028,830	11.45	23,820	12.70
Team assemblers.....	Production.....	997,390	12.89	26,820	13.87
Home health aides.....	Healthcare support.....	955,220	9.85	20,480	10.39
Cooks, restaurant.....	Food preparation and serving related.....	898,820	10.66	22,170	11.11
Maids and housekeeping cleaners.....	Building and grounds cleaning and maintenance.....	887,890	9.26	19,250	10.02
Landscaping and groundskeeping workers.....	Building and grounds cleaning and maintenance.....	859,960	11.29	23,480	12.18
Construction laborers.....	Construction and extraction.....	856,440	14.01	29,150	15.96
Food preparation workers.....	Food preparation and serving related.....	849,400	9.15	19,020	9.82
Truck drivers, light or delivery services.....	Transportation and material moving.....	834,780	13.62	28,330	14.96
First-line supervisors/managers of food preparation and serving workers.....	Food preparation and serving related.....	791,750	14.17	29,470	15.12
Carpenters.....	Construction and extraction.....	743,760	18.98	39,470	20.98
Licensed practical and licensed vocational nurses.....	Healthcare practitioner and technical.....	728,670	19.14	39,820	19.66
Shipping, receiving, and traffic clerks.....	Office and administrative support.....	715,130	13.58	28,250	14.35
Packers and packagers, hand.....	Transportation and material moving.....	706,240	9.36	19,470	10.47

<sup>1</sup> 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.

<sup>2</sup> 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.

**Table 5. National employment and wage data for occupations with employment less than 4,000, May 2009**

Occupation <sup>1</sup>	Major Occupational Group	Employment	Median wages		Mean hourly wages
			Hourly	Annual <sup>2</sup>	
Shoe machine operators and tenders.....	Production.....	3,990	\$12.69	\$26,390	\$12.80
Political scientists.....	Life, physical, and social science.....	3,970	50.04	104,090	48.58
Library science teachers, postsecondary.....	Education, training, and library.....	3,940	( <sup>3</sup> )	60,650	( <sup>3</sup> )
Geography teachers, postsecondary.....	Education, training, and library.....	3,930	( <sup>3</sup> )	65,420	( <sup>3</sup> )
Transit and railroad police.....	Protective service.....	3,930	24.49	50,940	25.17
Historians.....	Life, physical, and social science.....	3,620	24.54	51,050	27.09
Loading machine operators, underground mining.....	Transportation and material moving.....	3,570	21.36	44,420	21.14
Shuttle car operators.....	Transportation and material moving.....	3,520	21.91	45,560	22.31
Rock splitters, quarry.....	Construction and extraction.....	3,430	13.96	29,040	14.64
Gaming managers.....	Management.....	3,390	32.40	67,380	35.59
Camera and photographic equipment repairers.....	Installation, maintenance, and repair.....	3,290	17.03	35,420	18.85
Farm, ranch, and other agricultural managers.....	Management.....	3,250	28.58	59,450	31.13
Motorboat operators.....	Transportation and material moving.....	3,070	15.97	33,210	18.46
Commercial divers.....	Installation, maintenance, and repair.....	3,030	25.26	52,540	27.91
Hoist and winch operators.....	Transportation and material moving.....	2,990	17.89	37,220	20.01
Log graders and scalers.....	Farming, fishing, and forestry.....	2,940	16.20	33,700	17.09
Communications equipment operators, all other.....	Office and administrative support.....	2,810	18.12	37,700	18.68
Mathematicians.....	Computer and mathematical science.....	2,770	44.99	93,580	45.16
Agricultural engineers.....	Architecture and engineering.....	2,620	33.44	69,560	35.89
Mathematical scientists, all other.....	Computer and mathematical science.....	2,610	23.18	48,210	29.74
Forestry and conservation science teachers, postsecondary.....	Education, training, and library.....	2,380	( <sup>3</sup> )	66,930	( <sup>3</sup> )
Watch repairers.....	Installation, maintenance, and repair.....	2,350	18.12	37,680	19.62
Timing device assemblers, adjusters, and calibrators.....	Production.....	2,260	13.50	28,070	14.41
Animal scientists.....	Life, physical, and social science.....	2,190	27.38	56,960	31.02
Refractory materials repairers, except brickmasons.....	Installation, maintenance, and repair.....	2,080	19.97	41,530	20.82
Dredge operators.....	Transportation and material moving.....	1,990	16.63	34,590	18.43
Makeup artists, theatrical and performance.....	Personal care and service.....	1,930	15.12	31,450	21.64
Model makers, wood.....	Production.....	1,900	14.72	30,610	16.33
Industrial-organizational psychologists.....	Life, physical, and social science.....	1,710	40.03	83,260	49.31
Animal breeders.....	Farming, fishing, and forestry.....	1,700	14.27	29,680	16.93
Forest fire inspectors and prevention specialists.....	Protective service.....	1,540	15.83	32,940	18.36
Patternmakers, wood.....	Production.....	1,540	15.48	32,190	18.53
Models.....	Sales and related.....	1,510	13.14	27,330	17.51
Astronomers.....	Life, physical, and social science.....	1,240	50.35	104,720	49.40
Geographers.....	Life, physical, and social science.....	1,170	34.36	71,470	34.33
Mathematical technicians.....	Computer and mathematical science.....	1,090	19.83	41,240	21.27
Segmental pavers.....	Construction and extraction.....	1,040	13.33	27,720	13.81
Farm labor contractors.....	Farming, fishing, and forestry.....	1,000	14.62	30,400	17.37
Locomotive firers.....	Transportation and material moving.....	960	22.63	47,060	24.71
Radio operators.....	Arts, design, entertainment, sports, and media.....	870	20.69	43,040	20.86
Fabric menders, except garment.....	Installation, maintenance, and repair.....	840	13.50	28,090	13.28
Prosthodontists.....	Healthcare practitioner and technical.....	660	53.42	111,110	60.29

<sup>1</sup> Some occupations concentrated in private households and in the agricultural sector (except logging and support activities for crop and animal production) which are not covered by the OES survey have been omitted.

<sup>2</sup> 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.

<sup>3</sup> 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.

**Table 6. National employment and wages by industry for laborers and freight, stock, and material movers, hand, May 2009**

Industry	Employment	Percent of occupational employment	Median wages		Mean hourly wage
			Hourly	Annual	
Total, all industries <sup>1</sup> .....	2,135,790	100.0	\$11.11	\$23,110	\$12.16
Employment services.....	288,460	13.5	9.30	19,340	10.33
Warehousing and storage.....	148,100	6.9	12.67	26,350	13.25
Other general merchandise stores.....	72,890	3.4	9.29	19,320	10.32
Grocery and related product merchant wholesalers.....	69,540	3.3	12.22	25,410	13.03
General freight trucking.....	66,080	3.1	13.78	28,660	14.58

<sup>1</sup> Includes other industries, not shown separately.

**Table 7. National employment and wages for the 10 largest occupations in the employment services industry, May 2009**

Occupation	Employment	Percent of industry employment	Median wages		Mean hourly wage
			Hourly	Annual	
<b>Employment services (NAICS 561300)</b>					
Laborers and freight, stock, and material movers, hand.....	288,460	10.7	\$9.30	\$19,340	\$10.33
Office clerks, general .....	150,700	5.6	11.83	24,610	12.42
Team assemblers.....	122,540	4.6	9.83	20,440	11.01
Packers and packagers, hand .....	110,990	4.1	8.83	18,380	9.47
Helpers—production workers.....	101,670	3.8	9.48	19,720	10.30
Customer service representatives.....	85,020	3.2	13.31	27,690	13.78
Employment, recruitment, and placement specialists.....	76,970	2.9	20.68	43,010	25.61
Construction laborers.....	76,450	2.9	11.15	23,200	13.16
Registered nurses.....	73,700	2.7	33.18	69,010	33.71
Secretaries, except legal, medical, and executive.....	51,060	1.9	14.19	29,520	14.82

**Table 8. States with highest employment and highest employment concentration in selected occupations, May 2009**

Highest employment				Highest employment concentration			
State	Employment	Employment per 1,000 jobs <sup>1</sup>	Hourly mean wage	State	Employment	Employment per 1,000 jobs <sup>1</sup>	Hourly mean wage
<b>Cashiers</b>							
California .....	350,160	24.1	\$10.85	Mississippi .....	41,660	38.0	\$8.33
Texas .....	276,020	26.8	8.43	New Hampshire .....	23,040	37.2	9.15
Florida .....	222,710	30.3	8.83	Alabama .....	66,620	35.7	8.13
New York .....	201,030	23.7	9.47	Louisiana .....	64,780	34.6	8.03
Pennsylvania .....	152,690	27.4	8.77	South Carolina .....	57,560	31.9	8.25
<b>Janitors and cleaners, except maids and housekeeping cleaners</b>							
California .....	199,070	13.7	\$12.68	Nevada .....	28,720	24.3	\$12.42
New York .....	177,080	20.9	13.51	District of Columbia.....	14,600	22.9	12.06
Texas .....	147,670	14.4	9.79	Hawaii.....	12,770	21.7	12.45
Florida .....	112,490	15.3	10.36	South Dakota .....	8,340	21.2	10.06
Illinois .....	96,220	16.9	12.34	New York .....	177,080	20.9	13.51
<b>Team assemblers</b>							
California .....	78,460	5.4	\$12.94	South Carolina .....	37,460	20.8	\$14.93
Indiana .....	56,570	20.3	15.77	Indiana .....	56,570	20.3	15.77
Illinois .....	56,340	9.9	13.40	Tennessee.....	41,640	15.9	15.11
Texas .....	55,780	5.4	11.81	Iowa.....	22,920	15.6	14.82
Ohio .....	53,660	10.5	14.63	Alabama .....	29,020	15.6	16.93
<b>Home health aides</b>							
New York .....	129,200	15.2	\$11.30	North Carolina.....	75,990	19.5	\$9.71
Texas .....	94,260	9.2	9.06	New York .....	129,200	15.2	11.30
North Carolina.....	75,990	19.5	9.71	Minnesota.....	36,760	14.0	11.22
Pennsylvania .....	63,310	11.4	10.59	Ohio .....	61,610	12.1	9.78
Ohio .....	61,610	12.1	9.78	Rhode Island.....	5,290	11.5	12.53

<sup>1</sup> Represents state employment in selected occupation per 1,000 jobs in state.

**Table 9. Metropolitan areas or divisions with highest employment and highest employment concentration in selected occupations, May 2009**

Highest employment				Highest employment concentration			
Metropolitan area or division	Employment	Employment per 1,000 jobs <sup>1</sup>	Hourly mean wage	Metropolitan area or division	Employment	Employment per 1,000 jobs <sup>1</sup>	Hourly mean wage
Cashiers							
New York-White Plains-Wayne, NY-NJ metropolitan division .....	98,830	19.5	\$10.05	Kankakee-Bradley, IL .....	2,930	69.8	\$9.35
Los Angeles-Long Beach-Glendale, CA metropolitan division .....	92,130	23.3	10.54	Palm Coast, FL .....	800	49.4	8.99
Chicago-Naperville-Joliet, IL metropolitan division .....	81,060	22.1	9.37	Bay City, MI .....	1,740	48.9	8.56
Houston-Sugar Land-Baytown, TX .....	60,740	23.7	8.56	Anniston-Oxford, AL .....	2,190	47.4	7.86
Atlanta-Sandy Springs-Marietta, GA .....	51,440	22.5	8.78	Punta Gorda, FL .....	1,810	47.3	8.79
Janitors and cleaners, except maids and housekeeping cleaners							
New York-White Plains-Wayne, NY-NJ metropolitan division .....	106,870	21.1	\$14.12	Las Vegas-Paradise, NV.....	22,500	26.2	\$12.83
Chicago-Naperville-Joliet, IL metropolitan division .....	63,640	17.3	12.62	Pocatello, ID.....	940	26.2	12.35
Los Angeles-Long Beach-Glendale, CA metropolitan division .....	52,180	13.2	12.23	Shreveport-Bossier City, LA .....	4,300	24.8	8.83
Washington-Arlington-Alexandria, DC-VA-MD-WV metropolitan division .....	44,730	19.4	11.84	Greenville, NC .....	1,810	24.7	9.35
Houston-Sugar Land-Baytown, TX .....	41,280	16.1	9.60	Holland-Grand Haven, MI .....	2,470	24.6	11.38
Team assemblers							
Chicago-Naperville-Joliet, IL metropolitan division .....	30,680	8.4	\$12.83	Elkhart-Goshen, IN .....	7,920	79.5	\$16.08
Los Angeles-Long Beach-Glendale, CA metropolitan division .....	19,990	5.0	12.41	Lafayette, IN.....	4,520	54.9	20.13
Atlanta-Sandy Springs-Marietta, GA .....	19,110	8.3	12.26	Spartanburg, SC .....	5,990	51.4	23.31
Houston-Sugar Land-Baytown, TX .....	17,770	6.9	11.81	Tuscaloosa, AL .....	4,170	46.3	25.14
Minneapolis-St. Paul-Bloomington, MN-WI .....	14,450	8.4	14.34	Rocky Mount, NC .....	2,620	44.5	11.68
Home health aides							
New York-White Plains-Wayne, NY-NJ metropolitan division .....	82,710	16.3	\$10.61	Goldsboro, NC .....	2,210	50.2	\$9.15
Philadelphia, PA metropolitan division .....	21,830	11.9	11.43	Brownsville-Harlingen, TX .....	4,550	37.0	7.66
Chicago-Naperville-Joliet, IL metropolitan division .....	18,930	5.2	11.14	Fayetteville, NC .....	3,560	28.2	9.67
Houston-Sugar Land-Baytown, TX .....	18,420	7.2	10.01	Duluth, MN-WI.....	3,270	26.4	10.39
Minneapolis-St. Paul-Bloomington, MN-WI .....	18,390	10.6	11.97	Rocky Mount, NC.....	1,460	24.9	9.36

<sup>1</sup> Represents metropolitan area employment in selected occupation per 1,000 area jobs.