

# News

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## **OCCUPATIONAL EMPLOYMENT AND WAGES, 2008**

In 2008, the U.S. median wage was \$15.57 per hour or \$32,390 per year, according to the Bureau of Labor Statistics (BLS) of the U.S. Department of Labor. 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. National cross-industry employment and wage information for all occupations is shown in table 1. Complete data are available from the OES homepage at <http://www.bls.gov/oes/>.

The median wage represents the pay of the typical worker. Table 4 shows employment and wage information for occupations with median wages between 5 percent above and 5 percent below the U.S. median wage. Many of the occupations with wages within this range were office and administrative support, construction and extraction, or production occupations.

OES data can be used to compare employment and wages for different occupations, such as the occupations with wages near the U.S. median shown in table 4. With employment of 1.9 and 1.3 million, respectively, bookkeeping, accounting, and auditing clerks; and general maintenance and repair workers were the largest occupations with wages near the U.S. median, and also were among the 20 largest occupations overall. The 2 largest occupations in the U.S., retail salespersons and cashiers, had employment of approximately 4.4 and 3.5 million, respectively.

Other large occupations with wages near the U.S. median included all other teachers and instructors, with employment of 574,540; billing and posting clerks and machine operators (512,120); inspectors,

### **Changes to Occupational Employment Statistics Data**

Effective with this news release, the Occupational Employment Statistics program has switched the basis for their industry classification from the 2002 North American Industry Classification System (NAICS) to the 2007 NAICS. Historical data were not revised.

testers, sorters, samplers, and weighers (467,010); welders, cutters, solderers, and brazers (392,520); and dental assistants (293,090). Among the smallest occupations with wages near the U.S. median were forest fire inspectors and prevention specialists, farm labor contractors, wood model makers, and wood patternmakers, each of which had employment levels between 1,000 and 2,000.

While some of these occupations were concentrated in specific industries, others were more widely distributed across industries. For example, although 93 percent of dental assistants worked in offices of dentists, the largest employer of general maintenance and repair workers—lessors of real estate—employed only about 10 percent of this occupation.

Median wages for occupations shown in table 4 ranged from \$14.83 to \$16.35 per hour. In contrast, the lowest paying occupations included gaming dealers; combined food preparation and serving workers; waiters and waitresses; dining room and cafeteria attendants and bartender helpers; and fast food cooks, with median wages ranging from \$7.84 to \$8.12 per hour. Among the highest paying occupations were several specialty physician and dentist occupations, which had median wages over \$80.00 per hour or \$166,400 annually.

### Major Occupational Group Employment and Wages by Industry Sector

Most occupations with wages near the U.S. median were office and administrative support; construction and extraction; installation, maintenance, and repair; or production occupations. Table 4 contains 26 occupations in the production group, making this group the one with the largest number of occupations earning near the median wage. Twelve office and administrative support occupations had wages near the U.S. median; however, total employment in these 12 occupations was approximately 3.8 million, as compared to total employment of 2.1 million for the production occupations shown in table 4.

Office and administrative support also was the largest occupational group overall, with total employment of 23.2 million, followed by sales and related occupations, with total employment of 14.3 million, and food preparation and serving related occupations, with total employment of 11.4 million. (See table 2.) 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 over 87 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 12.4 percent of this group. (See table 2.)

The highest paying occupational groups included management occupations, with a median hourly wage of \$42.15, legal occupations (\$34.49), and computer and mathematical science occupations (\$34.26). Food preparation and serving related occupations (\$8.59); farming, fishing, and forestry occupations (\$9.34); personal care and service occupations (\$9.82); and building and grounds cleaning and maintenance occupations (\$10.52) were among the lowest paying occupational groups. (See table 3.)

Wages for the occupational groups varied by industry. Utilities; transportation and warehousing; information; and finance and insurance were among the highest paying industry sectors for several occupational groups. Agriculture, forestry, fishing, and hunting; retail trade; and accommodation and food services were among the lowest paying sectors. For example, median hourly wages for business and financial operations occupations ranged from \$33.75 in utilities to \$20.94 in accommodation and

food services, while median wages for office and administrative support occupations ranged from \$19.57 in transportation and warehousing to \$10.75 in retail trade.

### Detailed Occupational Employment and Wages by Detailed Industry

In addition to the occupational group and industry sector data previously discussed, OES data also are available for detailed occupations and industries. For example, table 5 shows employment and wages by industry for bookkeeping, accounting, and auditing clerks. Employment in this occupation was widely distributed across industries. The accounting, tax preparation, bookkeeping, and payroll services industry employed more bookkeeping clerks than any other industry, but only about 5.4 percent of bookkeeping clerks were employed in this industry. Other large employers of this occupation were building equipment contractors, depository credit intermediation, management of companies and enterprises, and local government (OES designation); each representing less than 5 percent of occupational employment. The median hourly wage for bookkeeping clerks in these industries ranged from \$14.43 in depository credit intermediation to \$16.22 in building equipment contractors.

Although accounting, tax preparation, bookkeeping, and payroll services employed a relatively small percentage of all bookkeeping clerks, this was the second largest occupation in the accounting services industry, representing about 11.4 percent of industry employment. (See table 6.) Accountants and auditors was by far the largest occupation in the industry, with 286,110 jobs making up about one-third of industry employment. Tax preparers was the third largest occupation in accounting services, with employment of 61,160. Most of the other large occupations in this industry were office and administrative support occupations.

### Occupational Employment and Wages by State and Area

OES data also allow comparison of occupational employment and wages across states and metropolitan areas. Tables 7 and 8 show the states and metropolitan areas with the highest employment and highest employment concentrations of 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 area's industry mix. For example, Texas employed more welders, cutters, solderers, and brazers than any other state, with 53,530 jobs in this occupation; and Wyoming, although it employed fewer total welders than Texas, had one of the highest employment concentrations in this occupation, with welders representing over 9 jobs out of every 1,000 in the state. Louisiana was the only state with both high employment levels and a high employment concentration of this occupation. (See table 7.)

Aside from Louisiana, the only state appearing on both sides of table 7 for the same occupation is California, which was both one of the largest employers of dental assistants and one of the states with the highest concentrations of this occupation. Other states with high concentrations of dental assistants were Utah and Washington. Nevada and Hawaii had some of the highest concentrations of construction and maintenance painters, while Connecticut and Nebraska had some of the highest concentrations of insurance claims and policy processing clerks.

Although all of the selected occupations shown in table 7 had national median wages near the U.S. median, wages for each occupation varied across states. For example, among the states shown in the table, median wages for welders, cutters, solderers, and brazers varied from \$13.83 in South Dakota to \$21.29 in Wyoming, while median wages for construction and maintenance painters varied from \$13.82 in Texas to \$23.14 in Hawaii.

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 Los Angeles-Long Beach-Glendale, Calif., were among the largest employers for all of the selected occupations, while New York-White Plains-Wayne, N.Y.-N.J., and Houston-Sugar Land-Baytown, Texas, were among the largest employers for 3 out of the 4 occupations. These also were among the largest metropolitan areas or metropolitan divisions in the United States in terms of total employment.

While both Houston-Sugar Land-Baytown, Texas, and Dallas-Plano-Irving, Texas, were among the metropolitan areas with the highest employment of welders, cutters, solderers, and brazers, two other metropolitan areas in Texas—Odessa and Beaumont-Port Arthur—reported some of the highest employment concentrations of this occupation. Houma-Bayou Cane-Thibodaux, La., and Peoria, Ill., also had high concentrations of welders. Two metropolitan divisions in California—Los Angeles-Long Beach-Glendale and Santa Ana-Anaheim-Irvine—were among the largest employers of dental assistants, while four of the metropolitan areas with the highest concentrations of dental assistants also were in California. Naples-Marco Island, Fla., and Beaumont-Port Arthur, Texas, were among the areas with the highest concentrations of construction and maintenance painters, while Wausau, Wis., and Macon, Ga., were among the areas with the highest concentrations of insurance claims and policy processing clerks, although both areas employed relatively few workers in this occupation. Wages for the selected occupations varied by metropolitan area. For example, among the metropolitan areas shown, median wages for construction and maintenance painters ranged from \$13.46 in Jacksonville, N.C., to \$21.85 in Chicago-Naperville-Joliet, Ill., while wages for insurance claims and policy processing clerks ranged from \$14.21 in Wausau, Wis., to \$19.30 in Boston-Cambridge-Quincy, Mass.

#### 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 2008 Occupational Employment Statistics data are available from the OES Web site at <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. Forms are mailed to approximately 200,000 establishments in May and November of each year for a 3-year period. The nationwide response rate for the May 2008 estimates is 78.2 percent based on establishments and 74.3 percent based on employment. The survey included establishments sampled in the May 2008, November 2007, May 2007, November 2006, May 2006, and November 2005 semiannual panels.

## The occupational coding system

The OES survey uses the Office of Management and Budget's (OMB) occupational classification system, the Standard Occupational Classification (SOC) system. The SOC system is the first OMB-required occupational classification system for federal agencies. 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 <http://www.bls.gov/soc/>.

## The industry coding system

The OES survey uses the North American Industry Classification System (NAICS). The May 2008 estimates and survey data are 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 <http://www.bls.gov/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 processes 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 makes up approximately 61 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, nonpro-

duction bonuses, employer cost for supplementary benefits, and tuition reimbursements.

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 2008 survey are shown in the previous column.

*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. To calculate the mean hourly wage of each occupation, total weighted hourly wages are summed across all intervals and divided by the occupation's weighted survey employment. 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 was \$80.00. The mean hourly wage for this interval was calculated using the average of the 2005, 2006, and 2007 NCS data.

*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 uniformly distributing the workers inside each wage interval, ranking the workers from lowest paid to highest paid, and calculating the product of the total employment for the occupation and the desired percentile 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

### May 2008 wage intervals

Interval	Wages	
	Hourly	Annual
Range A	Under \$7.50	Under \$15,600
Range B	\$7.50 to \$9.49	\$15,600 to \$19,759
Range C	\$9.50 to \$11.99	\$19,760 to \$24,959
Range D	\$12.00 to \$15.24	\$24,960 to \$31,719
Range E	\$15.25 to \$19.24	\$31,720 to \$40,039
Range F	\$19.25 to \$24.49	\$40,040 to \$50,959
Range G	\$24.50 to \$30.99	\$50,960 to \$64,479
Range H	\$31.00 to \$39.24	\$64,480 to \$81,639
Range I	\$39.25 to \$49.74	\$81,640 to \$103,479
Range J	\$49.75 to \$63.24	\$103,480 to \$131,559
Range K	\$63.25 to \$79.99	\$131,560 to \$166,399
Range L	\$80.00 and over	\$166,400 and over

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 sample 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 2007 and May 2008 employment) from the BLS Quarterly Census of Employ-

ment and Wages to employment totals from the OES survey.

*May 2008 OES survey estimates.* The May 2008 OES survey estimates are based on all data collected from establishments in the May 2008, November 2007, May 2007, November 2006, May 2006, and November 2005 semiannual samples.

*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 2008**

Occupation	Employment	Mean wages		Median hourly wages
		Hourly	Annual <sup>1</sup>	
<b>Management occupations</b>	<b>6,152,650</b>	<b>\$48.23</b>	<b>\$100,310</b>	<b>\$42.15</b>
Chief executives.....	301,930	77.13	160,440	76.23
General and operations managers.....	1,697,690	51.91	107,970	44.02
Legislators.....	64,650	( <sup>2</sup> )	37,980	( <sup>2</sup> )
Advertising and promotions managers.....	36,100	45.54	94,720	38.57
Marketing managers.....	166,790	56.81	118,160	52.20
Sales managers.....	333,910	53.07	110,390	46.76
Public relations managers.....	51,730	48.66	101,220	43.00
Administrative services managers.....	246,930	38.22	79,500	35.35
Computer and information systems managers.....	276,820	57.07	118,710	53.95
Financial managers.....	500,590	53.19	110,640	47.76
Compensation and benefits managers.....	38,810	44.91	93,410	41.59
Training and development managers.....	29,350	45.11	93,830	42.16
Human resources managers, all other.....	60,980	49.96	103,920	46.22
Industrial production managers.....	154,030	43.85	91,200	40.04
Purchasing managers.....	67,150	45.34	94,300	42.86
Transportation, storage, and distribution managers.....	96,300	40.64	84,520	37.98
Farm, ranch, and other agricultural managers.....	3,410	30.00	62,400	27.03
Farmers and ranchers.....	490	23.62	49,140	16.13
Construction managers.....	220,550	43.16	89,770	38.39
Education administrators, preschool and child care center/program.....	49,630	22.29	46,370	19.20
Education administrators, elementary and secondary school.....	219,100	( <sup>2</sup> )	86,060	( <sup>2</sup> )
Education administrators, postsecondary.....	97,410	44.67	92,920	38.79
Education administrators, all other.....	28,090	37.13	77,220	34.44
Engineering managers.....	182,300	57.97	120,580	55.42
Food service managers.....	196,080	24.19	50,320	22.27
Funeral directors.....	25,680	28.27	58,810	25.10
Gaming managers.....	3,790	35.33	73,480	32.83
Lodging managers.....	32,460	25.26	52,550	22.02
Medical and health services managers.....	258,130	42.67	88,750	38.58
Natural sciences managers.....	43,060	59.20	123,140	54.23
Postmasters and mail superintendents.....	26,410	28.44	59,150	28.52
Property, real estate, and community association managers.....	159,700	27.05	56,250	22.18
Social and community service managers.....	117,150	29.12	60,570	26.92
Managers, all other.....	365,460	46.10	95,890	43.38
<b>Business and financial operations occupations</b>	<b>6,135,520</b>	<b>31.12</b>	<b>64,720</b>	<b>27.89</b>
Agents and business managers of artists, performers, and athletes.....	12,110	39.21	81,550	30.26
Purchasing agents and buyers, farm products.....	13,010	28.25	58,760	23.88
Wholesale and retail buyers, except farm products.....	132,420	26.70	55,540	23.42
Purchasing agents, except wholesale, retail, and farm products.....	286,990	27.70	57,630	25.93
Claims adjusters, examiners, and investigators.....	277,230	27.67	57,550	26.81
Insurance appraisers, auto damage.....	11,280	25.95	53,980	25.69
Compliance officers, except agriculture, construction, health and safety, and transportation.....	242,270	25.85	53,760	23.50
Cost estimators.....	218,400	29.00	60,320	27.17
Emergency management specialists.....	12,260	25.70	53,460	24.26
Employment, recruitment, and placement specialists.....	205,800	25.90	53,870	21.86
Compensation, benefits, and job analysis specialists.....	116,250	27.43	57,060	25.89
Training and development specialists.....	206,890	26.36	54,830	24.73
Human resources, training, and labor relations specialists, all other.....	217,440	28.00	58,230	26.79
Logisticians.....	98,590	32.98	68,600	31.96
Management analysts.....	535,850	39.87	82,920	35.37
Meeting and convention planners.....	47,960	22.84	47,500	21.28
Business operations specialists, all other.....	1,030,320	31.25	64,990	28.81
Accountants and auditors.....	1,133,580	31.65	65,840	28.57
Appraisers and assessors of real estate.....	66,260	25.68	53,410	22.77
Budget analysts.....	62,630	32.76	68,140	31.41
Credit analysts.....	74,400	31.05	64,580	26.56
Financial analysts.....	236,720	40.76	84,780	35.17
Personal financial advisors.....	146,690	44.69	92,970	33.20
Insurance underwriters.....	98,690	30.09	62,600	27.31
Financial examiners.....	26,020	37.59	78,180	34.10
Loan counselors.....	29,430	20.18	41,970	18.02
Loan officers.....	321,850	30.55	63,540	26.30
Tax examiners, collectors, and revenue agents.....	66,030	25.53	53,090	23.12
Tax preparers.....	63,030	17.08	35,520	14.14
Financial specialists, all other.....	145,110	30.71	63,880	27.48

See footnotes at end of table.



**Table 1. National employment and wage data from the Occupational Employment Statistics survey by occupation, May 2008—Continued**

Occupation	Employment	Mean wages		Median hourly wages
		Hourly	Annual <sup>1</sup>	
<b>Computer and mathematical science occupations</b>	<b>3,308,260</b>	<b>\$35.82</b>	<b>\$74,500</b>	<b>\$34.26</b>
Computer and information scientists, research.....	26,610	48.51	100,900	47.10
Computer programmers.....	394,230	35.32	73,470	33.47
Computer software engineers, applications.....	494,160	42.26	87,900	41.07
Computer software engineers, systems software.....	381,830	45.44	94,520	44.44
Computer support specialists.....	545,520	22.29	46,370	20.89
Computer systems analysts.....	489,890	37.90	78,830	36.30
Database administrators.....	115,770	35.05	72,900	33.53
Network and computer systems administrators.....	327,850	33.45	69,570	31.88
Network systems and data communications analysts.....	230,410	35.50	73,830	34.18
Computer specialists, all other.....	191,780	36.54	76,000	36.13
Actuaries.....	18,220	46.14	95,980	40.77
Mathematicians.....	2,770	45.65	94,960	45.75
Operations research analysts.....	60,860	35.68	74,220	33.17
Statisticians.....	20,680	35.96	74,790	34.91
Mathematical technicians.....	1,100	20.24	42,100	18.46
Mathematical scientists, all other.....	6,600	31.55	65,630	26.44
<b>Architecture and engineering occupations</b>	<b>2,521,630</b>	<b>34.34</b>	<b>71,430</b>	<b>32.09</b>
Architects, except landscape and naval.....	110,990	36.90	76,750	33.81
Landscape architects.....	21,130	30.77	64,000	28.35
Cartographers and photogrammetrists.....	11,690	27.87	57,980	24.60
Surveyors.....	55,780	26.91	55,980	25.47
Aerospace engineers.....	67,800	45.18	93,980	44.48
Agricultural engineers.....	2,640	35.02	72,850	33.04
Biomedical engineers.....	15,220	39.00	81,120	37.21
Chemical engineers.....	30,970	42.67	88,760	40.71
Civil engineers.....	261,360	37.77	78,560	35.87
Computer hardware engineers.....	73,370	48.16	100,180	46.83
Electrical engineers.....	154,670	41.04	85,350	39.50
Electronics engineers, except computer.....	139,930	42.63	88,670	41.52
Environmental engineers.....	52,590	37.49	77,970	35.59
Health and safety engineers, except mining safety engineers and inspectors.....	25,190	35.50	73,830	34.85
Industrial engineers.....	214,580	36.41	75,740	35.49
Marine engineers and naval architects.....	6,480	37.46	77,920	35.64
Materials engineers.....	24,160	40.48	84,200	39.34
Mechanical engineers.....	233,610	37.59	78,200	36.02
Mining and geological engineers, including mining safety engineers.....	6,900	38.42	79,910	36.52
Nuclear engineers.....	16,640	47.96	99,750	46.68
Petroleum engineers.....	20,880	57.28	119,140	51.93
Engineers, all other.....	169,240	42.83	89,080	42.58
Architectural and civil drafters.....	114,910	22.30	46,390	21.39
Electrical and electronics drafters.....	32,710	25.85	53,770	24.67
Mechanical drafters.....	77,070	23.36	48,600	22.42
Drafters, all other.....	20,720	22.73	47,290	21.60
Aerospace engineering and operations technicians.....	8,540	27.06	56,280	26.46
Civil engineering technicians.....	88,140	21.98	45,730	21.29
Electrical and electronic engineering technicians.....	162,330	25.96	53,990	25.60
Electro-mechanical technicians.....	16,290	23.13	48,110	22.27
Environmental engineering technicians.....	20,740	21.36	44,440	19.76
Industrial engineering technicians.....	72,820	24.07	50,070	22.69
Mechanical engineering technicians.....	45,770	24.06	50,040	23.14
Engineering technicians, except drafters, all other.....	73,870	27.19	56,560	27.33
Surveying and mapping technicians.....	71,920	18.03	37,500	16.88
<b>Life, physical, and social science occupations</b>	<b>1,296,840</b>	<b>30.90</b>	<b>64,280</b>	<b>27.51</b>
Animal scientists.....	2,760	29.64	61,640	26.94
Food scientists and technologists.....	10,510	31.06	64,610	28.61
Soil and plant scientists.....	10,790	30.82	64,110	28.07
Biochemists and biophysicists.....	22,230	42.53	88,450	39.83
Microbiologists.....	15,750	33.73	70,150	30.94
Zoologists and wildlife biologists.....	17,780	28.28	58,820	26.58
Biological scientists, all other.....	28,290	32.71	68,030	31.29
Conservation scientists.....	15,830	28.93	60,170	28.23
Foresters.....	10,160	26.46	55,040	25.84
Epidemiologists.....	4,370	31.01	64,500	29.50
Medical scientists, except epidemiologists.....	99,750	39.36	81,870	34.90
Life scientists, all other.....	12,030	33.18	69,020	29.55

See footnotes at end of table.

**Table 1. National employment and wage data from the Occupational Employment Statistics survey by occupation, May 2008—Continued**

Occupation	Employment	Mean wages		Median hourly wages
		Hourly	Annual <sup>1</sup>	
<b>Life, physical, and social science occupations—Continued</b>				
Astronomers.....	1,280	\$47.95	\$99,730	\$48.70
Physicists.....	14,810	51.17	106,440	49.47
Atmospheric and space scientists.....	8,860	39.46	82,080	39.08
Chemists.....	83,080	34.17	71,070	31.84
Materials scientists.....	9,650	39.23	81,600	38.57
Environmental scientists and specialists, including health.....	80,120	31.39	65,280	28.72
Geoscientists, except hydrologists and geographers.....	31,260	42.93	89,300	38.06
Hydrologists.....	7,590	35.36	73,540	34.35
Physical scientists, all other.....	22,900	44.16	91,850	43.99
Economists.....	12,600	43.67	90,830	40.19
Market research analysts.....	230,070	32.37	67,340	29.36
Survey researchers.....	21,100	20.22	42,060	17.42
Clinical, counseling, and school psychologists.....	97,880	33.74	70,190	30.84
Industrial-organizational psychologists.....	1,460	41.57	86,460	37.03
Psychologists, all other.....	9,870	43.49	90,460	41.41
Sociologists.....	4,390	36.28	75,460	32.96
Urban and regional planners.....	37,120	30.00	62,400	28.75
Anthropologists and archeologists.....	5,230	27.55	57,300	25.92
Geographers.....	1,120	32.13	66,830	32.02
Historians.....	3,700	27.49	57,180	26.22
Political scientists.....	3,530	47.75	99,320	50.06
Social scientists and related workers, all other.....	28,680	34.49	71,730	33.04
Agricultural and food science technicians.....	18,930	17.53	36,470	16.34
Biological technicians.....	72,200	19.67	40,900	18.46
Chemical technicians.....	65,830	21.02	43,710	20.25
Geological and petroleum technicians.....	14,570	27.44	57,080	25.65
Nuclear technicians.....	6,360	32.17	66,910	32.64
Social science research assistants.....	18,120	18.23	37,920	17.14
Environmental science and protection technicians, including health.....	33,370	20.76	43,180	19.34
Forensic science technicians.....	11,990	25.46	52,960	23.97
Forest and conservation technicians.....	30,850	16.98	35,320	15.39
Life, physical, and social science technicians, all other.....	58,070	20.63	42,910	19.25
<b>Community and social services occupations</b>	<b>1,861,750</b>	<b>20.09</b>	<b>41,790</b>	<b>18.38</b>
Substance abuse and behavioral disorder counselors.....	79,180	19.07	39,670	17.80
Educational, vocational, and school counselors.....	243,100	25.74	53,540	24.54
Marriage and family therapists.....	24,520	22.56	46,930	21.44
Mental health counselors.....	104,650	19.36	40,270	17.70
Rehabilitation counselors.....	112,700	16.64	34,600	14.87
Counselors, all other.....	29,980	20.31	42,240	19.20
Child, family, and school social workers.....	274,140	20.73	43,120	19.01
Medical and public health social workers.....	131,730	22.87	47,560	21.95
Mental health and substance abuse social workers.....	131,010	19.05	39,630	17.89
Social workers, all other.....	68,230	23.16	48,180	22.22
Health educators.....	62,120	23.36	48,590	21.16
Probation officers and correctional treatment specialists.....	97,130	23.81	49,520	22.07
Social and human service assistants.....	332,880	14.03	29,170	13.12
Community and social service specialists, all other.....	107,910	19.21	39,950	18.11
Clergy.....	42,040	21.85	45,440	20.06
Directors, religious activities and education.....	14,790	19.36	40,260	17.35
Religious workers, all other.....	5,640	15.56	32,360	13.30
<b>Legal occupations</b>	<b>1,003,270</b>	<b>44.36</b>	<b>92,270</b>	<b>34.49</b>
Lawyers.....	553,690	59.98	124,750	53.17
Administrative law judges, adjudicators, and hearing officers.....	13,370	38.88	80,870	36.99
Arbitrators, mediators, and conciliators.....	9,570	28.68	59,650	24.36
Judges, magistrate judges, and magistrates.....	25,470	48.29	100,450	52.99
Paralegals and legal assistants.....	253,040	23.46	48,790	22.18
Court reporters.....	17,930	24.98	51,960	23.90
Law clerks.....	31,500	19.51	40,580	17.85
Title examiners, abstractors, and searchers.....	59,390	20.24	42,090	18.41
Legal support workers, all other.....	39,310	27.24	56,660	24.16
<b>Education, training, and library occupations</b>	<b>8,451,250</b>	<b>23.30</b>	<b>48,460</b>	<b>21.26</b>
Business teachers, postsecondary.....	69,690	( <sup>2</sup> )	77,340	( <sup>2</sup> )
Computer science teachers, postsecondary.....	32,520	( <sup>2</sup> )	74,050	( <sup>2</sup> )
Mathematical science teachers, postsecondary.....	45,710	( <sup>2</sup> )	68,130	( <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 2008—Continued**

Occupation	Employment	Mean wages		Median hourly wages
		Hourly	Annual <sup>1</sup>	
<b>Education, training, and library occupations—Continued</b>				
Architecture teachers, postsecondary.....	6,430	(2)	\$75,450	(2)
Engineering teachers, postsecondary.....	32,070	(2)	90,070	(2)
Agricultural sciences teachers, postsecondary.....	10,000	(2)	77,770	(2)
Biological science teachers, postsecondary.....	51,930	(2)	83,270	(2)
Forestry and conservation science teachers, postsecondary.....	2,450	(2)	67,400	(2)
Atmospheric, earth, marine, and space sciences teachers, postsecondary.....	9,650	(2)	81,470	(2)
Chemistry teachers, postsecondary.....	19,950	(2)	76,310	(2)
Environmental science teachers, postsecondary.....	4,870	(2)	74,610	(2)
Physics teachers, postsecondary.....	12,350	(2)	81,880	(2)
Anthropology and archeology teachers, postsecondary.....	5,500	(2)	73,410	(2)
Area, ethnic, and cultural studies teachers, postsecondary.....	7,570	(2)	70,560	(2)
Economics teachers, postsecondary.....	12,540	(2)	88,330	(2)
Geography teachers, postsecondary.....	4,030	(2)	67,480	(2)
Political science teachers, postsecondary.....	14,340	(2)	75,960	(2)
Psychology teachers, postsecondary.....	31,420	(2)	69,560	(2)
Sociology teachers, postsecondary.....	16,440	(2)	68,900	(2)
Social sciences teachers, postsecondary, all other.....	5,720	(2)	74,720	(2)
Health specialties teachers, postsecondary.....	125,100	(2)	102,000	(2)
Nursing instructors and teachers, postsecondary.....	46,890	(2)	62,660	(2)
Education teachers, postsecondary.....	55,880	(2)	60,080	(2)
Library science teachers, postsecondary.....	3,960	(2)	61,630	(2)
Criminal justice and law enforcement teachers, postsecondary.....	11,630	(2)	59,830	(2)
Law teachers, postsecondary.....	12,490	(2)	101,170	(2)
Social work teachers, postsecondary.....	7,930	(2)	64,680	(2)
Art, drama, and music teachers, postsecondary.....	76,810	(2)	65,030	(2)
Communications teachers, postsecondary.....	24,360	(2)	63,330	(2)
English language and literature teachers, postsecondary.....	62,230	(2)	63,610	(2)
Foreign language and literature teachers, postsecondary.....	26,400	(2)	65,280	(2)
History teachers, postsecondary.....	21,020	(2)	68,360	(2)
Philosophy and religion teachers, postsecondary.....	18,370	(2)	65,140	(2)
Graduate teaching assistants.....	124,380	(2)	31,710	(2)
Home economics teachers, postsecondary.....	4,820	(2)	70,420	(2)
Recreation and fitness studies teachers, postsecondary.....	17,410	(2)	60,700	(2)
Vocational education teachers, postsecondary.....	112,940	24.46	50,870	22.76
Postsecondary teachers, all other.....	242,780	(2)	71,320	(2)
Preschool teachers, except special education.....	392,170	12.80	26,610	11.48
Kindergarten teachers, except special education.....	174,530	(2)	49,770	(2)
Elementary school teachers, except special education.....	1,544,270	(2)	52,240	(2)
Middle school teachers, except special and vocational education.....	661,820	(2)	52,570	(2)
Vocational education teachers, middle school.....	15,720	(2)	50,150	(2)
Secondary school teachers, except special and vocational education.....	1,090,490	(2)	54,390	(2)
Vocational education teachers, secondary school.....	99,800	(2)	53,700	(2)
Special education teachers, preschool, kindergarten, and elementary school.....	226,250	(2)	52,970	(2)
Special education teachers, middle school.....	100,650	(2)	53,540	(2)
Special education teachers, secondary school.....	147,210	(2)	55,050	(2)
Adult literacy, remedial education, and GED teachers and instructors.....	73,050	23.95	49,830	22.26
Self-enrichment education teachers.....	163,190	19.68	40,920	17.17
Teachers and instructors, all other.....	574,540	(2)	40,770	(2)
Archivists.....	5,330	23.18	48,220	21.64
Curators.....	10,820	24.78	51,540	22.70
Museum technicians and conservators.....	10,200	19.59	40,750	17.63
Librarians.....	151,170	26.30	54,700	25.26
Library technicians.....	113,510	14.49	30,130	13.86
Audio-visual collections specialists.....	6,160	21.90	45,540	20.86
Farm and home management advisors.....	10,760	21.46	44,630	19.97
Instructional coordinators.....	122,180	28.74	59,780	27.35
Teacher assistants.....	1,266,900	(2)	23,560	(2)
Education, training, and library workers, all other.....	99,900	19.50	40,560	17.07
<b>Arts, design, entertainment, sports, and media occupations</b>				
Art directors.....	<b>33,670</b>	<b>42.55</b>	<b>88,510</b>	<b>37.01</b>
Craft artists.....	<b>5,440</b>	<b>15.66</b>	<b>32,570</b>	<b>13.98</b>
Fine artists, including painters, sculptors, and illustrators.....	<b>9,380</b>	<b>23.22</b>	<b>48,300</b>	<b>20.51</b>
Multi-media artists and animators.....	<b>31,500</b>	<b>29.99</b>	<b>62,380</b>	<b>27.08</b>
Artists and related workers, all other.....	<b>8,470</b>	<b>26.51</b>	<b>55,140</b>	<b>24.81</b>

See footnotes at end of table.

**Table 1. National employment and wage data from the Occupational Employment Statistics survey by occupation, May 2008—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.....	32,940	\$29.60	\$61,580	\$27.57
Fashion designers.....	16,920	34.33	71,400	29.41
Floral designers.....	57,500	11.78	24,510	11.17
Graphic designers.....	209,290	22.48	46,750	20.39
Interior designers.....	53,290	24.53	51,020	21.61
Merchandise displayers and window trimmers.....	63,320	13.73	28,560	12.47
Set and exhibit designers.....	7,940	23.40	48,660	21.47
Designers, all other.....	11,160	24.10	50,130	21.07
Actors.....	44,360	29.05	( <sup>2</sup> )	16.59
Producers and directors.....	78,060	39.92	83,030	30.98
Athletes and sports competitors.....	13,960	( <sup>2</sup> )	79,460	( <sup>2</sup> )
Coaches and scouts.....	175,720	( <sup>2</sup> )	35,580	( <sup>2</sup> )
Umpires, referees, and other sports officials.....	12,970	( <sup>2</sup> )	28,330	( <sup>2</sup> )
Dancers.....	11,370	15.06	( <sup>2</sup> )	12.22
Choreographers.....	13,860	20.13	41,870	18.52
Music directors and composers.....	9,120	26.36	54,840	19.84
Musicians and singers.....	47,030	28.28	( <sup>2</sup> )	21.24
Entertainers and performers, sports and related workers, all other.....	36,190	17.91	( <sup>2</sup> )	14.62
Radio and television announcers.....	37,290	19.43	40,410	12.95
Public address system and other announcers.....	8,280	18.04	37,530	13.18
Broadcast news analysts.....	6,310	34.00	70,730	24.65
Reporters and correspondents.....	50,690	21.17	44,030	16.75
Public relations specialists.....	240,610	28.34	58,960	24.65
Editors.....	110,010	27.49	57,180	24.04
Technical writers.....	47,460	30.87	64,210	29.62
Writers and authors.....	44,170	31.04	64,560	25.51
Interpreters and translators.....	36,610	20.74	43,130	18.68
Media and communication workers, all other.....	24,470	22.97	47,770	19.99
Audio and video equipment technicians.....	45,200	19.86	41,310	18.30
Broadcast technicians.....	33,550	18.30	38,070	15.82
Radio operators.....	820	18.52	38,520	17.85
Sound engineering technicians.....	16,600	25.53	53,110	22.83
Photographers.....	61,670	17.14	35,640	14.15
Camera operators, television, video, and motion picture.....	19,270	22.94	47,710	20.03
Film and video editors.....	18,720	30.05	62,500	24.31
Media and communication equipment workers, all other.....	19,770	26.98	56,120	25.45
<b>Healthcare practitioner and technical occupations</b>				
Chiropractors.....	27,050	39.11	81,340	31.97
Dentists, general.....	85,910	74.17	154,270	68.69
Oral and maxillofacial surgeons.....	4,760	91.55	190,420	( <sup>3</sup> )
Orthodontists.....	5,500	93.72	194,930	( <sup>3</sup> )
Prosthodontists.....	370	81.64	169,810	( <sup>3</sup> )
Dentists, all other specialists.....	4,770	68.30	142,070	66.33
Dietitians and nutritionists.....	53,630	24.75	51,470	24.32
Optometrists.....	25,970	50.58	105,200	46.31
Pharmacists.....	266,410	50.13	104,260	51.16
Anesthesiologists.....	34,230	94.99	197,570	( <sup>3</sup> )
Family and general practitioners.....	106,210	77.64	161,490	75.60
Internists, general.....	46,980	84.97	176,740	( <sup>3</sup> )
Obstetricians and gynecologists.....	19,750	92.68	192,780	( <sup>3</sup> )
Pediatricians, general.....	29,170	73.74	153,370	70.21
Psychiatrists.....	22,140	74.06	154,050	74.13
Surgeons.....	47,070	99.41	206,770	( <sup>3</sup> )
Physicians and surgeons, all other.....	262,850	79.33	165,000	( <sup>3</sup> )
Physician assistants.....	71,950	39.24	81,610	39.05
Podiatrists.....	9,670	60.46	125,760	54.60
Registered nurses.....	2,542,760	31.31	65,130	30.03
Audiologists.....	12,480	31.49	65,500	29.82
Occupational therapists.....	94,800	32.65	67,920	32.10
Physical therapists.....	167,300	35.77	74,410	35.00
Radiation therapists.....	14,850	36.28	75,450	35.05
Recreational therapists.....	22,510	19.20	39,930	18.45
Respiratory therapists.....	103,870	25.55	53,150	25.10

See footnotes at end of table.

**Table 1. National employment and wage data from the Occupational Employment Statistics survey by occupation, May 2008—Continued**

Occupation	Employment	Mean wages		Median hourly wages
		Hourly	Annual <sup>1</sup>	
<b>Healthcare practitioner and technical occupations—Continued</b>				
Speech-language pathologists.....	107,340	\$31.80	\$66,130	\$30.25
Therapists, all other.....	12,960	26.32	54,750	24.37
Veterinarians.....	53,110	43.00	89,450	38.01
Health diagnosing and treating practitioners, all other.....	34,890	37.76	78,540	31.67
Medical and clinical laboratory technologists.....	166,510	25.99	54,050	25.72
Medical and clinical laboratory technicians.....	149,670	17.86	37,150	17.01
Dental hygienists.....	173,090	32.19	66,950	32.00
Cardiovascular technologists and technicians.....	48,040	23.38	48,640	22.60
Diagnostic medical sonographers.....	48,920	30.12	62,660	29.80
Nuclear medicine technologists.....	21,200	32.44	67,480	32.05
Radiologic technologists and technicians.....	208,570	25.59	53,230	25.10
Emergency medical technicians and paramedics.....	207,610	15.38	31,980	14.10
Dietetic technicians.....	24,620	13.26	27,580	12.54
Pharmacy technicians.....	324,110	13.70	28,500	13.32
Psychiatric technicians.....	54,800	15.48	32,190	14.06
Respiratory therapy technicians.....	16,210	21.00	43,670	20.40
Surgical technologists.....	89,600	19.27	40,070	18.62
Veterinary technologists and technicians.....	78,920	14.35	29,850	13.89
Licensed practical and licensed vocational nurses.....	730,500	19.28	40,110	18.77
Medical records and health information technicians.....	168,650	15.85	32,960	14.71
Opticians, dispensing.....	59,470	16.85	35,060	15.77
Orthotists and prosthetists.....	5,490	31.76	66,060	30.09
Health technologists and technicians, all other.....	74,990	19.89	41,380	18.25
Occupational health and safety specialists.....	53,250	30.31	63,030	29.93
Occupational health and safety technicians.....	10,540	22.79	47,410	21.81
Athletic trainers.....	15,070	( <sup>2</sup> )	41,620	( <sup>2</sup> )
Healthcare practitioner and technical workers, all other.....	55,750	24.28	50,510	20.98
<b>Healthcare support occupations</b>	<b>3,779,280</b>	<b>12.66</b>	<b>26,340</b>	<b>11.80</b>
Home health aides.....	892,410	10.31	21,440	9.84
Nursing aides, orderlies, and attendants.....	1,422,720	11.84	24,620	11.46
Psychiatric aides.....	59,050	13.10	27,260	12.77
Occupational therapist assistants.....	25,610	23.29	48,440	23.19
Occupational therapist aides.....	7,410	14.22	29,580	12.96
Physical therapist assistants.....	61,820	22.26	46,300	22.18
Physical therapist aides.....	44,410	11.91	24,770	11.42
Massage therapists.....	51,250	19.16	39,850	16.78
Dental assistants.....	293,090	15.95	33,170	15.57
Medical assistants.....	475,950	13.97	29,060	13.60
Medical equipment preparers.....	44,340	14.08	29,290	13.66
Medical transcriptionists.....	86,200	15.84	32,960	15.41
Pharmacy aides.....	53,190	10.34	21,500	9.66
Veterinary assistants and laboratory animal caretakers.....	71,950	10.96	22,790	10.20
Healthcare support workers, all other.....	189,890	14.74	30,650	14.11
<b>Protective service occupations</b>	<b>3,128,960</b>	<b>19.33</b>	<b>40,200</b>	<b>16.65</b>
First-line supervisors/managers of correctional officers.....	40,840	28.07	58,380	27.58
First-line supervisors/managers of police and detectives.....	92,840	36.93	76,820	36.29
First-line supervisors/managers of fire fighting and prevention workers.....	53,300	34.07	70,860	32.42
First-line supervisors/managers, protective service workers, all other.....	49,310	22.93	47,700	20.95
Fire fighters.....	298,900	21.97	45,700	21.28
Fire inspectors and investigators.....	12,920	26.37	54,840	25.50
Forest fire inspectors and prevention specialists.....	1,580	17.50	36,400	15.09
Bailiffs.....	19,290	18.79	39,090	18.18
Correctional officers and jailers.....	428,040	19.88	41,340	18.45
Detectives and criminal investigators.....	104,480	30.69	63,840	29.29
Fish and game wardens.....	7,720	26.94	56,030	23.53
Parking enforcement workers.....	9,530	16.36	34,020	15.57
Police and sheriff's patrol officers.....	633,710	25.39	52,810	24.72
Transit and railroad police.....	3,830	23.34	48,540	22.44
Animal control workers.....	15,480	15.38	31,990	14.57
Private detectives and investigators.....	35,820	22.35	46,480	20.08
Gaming surveillance officers and gaming investigators.....	9,100	15.17	31,550	13.87
Security guards.....	1,046,760	12.42	25,840	11.28

See footnotes at end of table.

**Table 1. National employment and wage data from the Occupational Employment Statistics survey by occupation, May 2008—Continued**

Occupation	Employment	Mean wages		Median hourly wages
		Hourly	Annual <sup>1</sup>	
<b>Protective service occupations—Continued</b>				
Crossing guards.....	68,530	\$11.68	\$24,290	\$10.96
Lifeguards, ski patrol, and other recreational protective service workers.....	111,560	9.58	19,930	8.87
Protective service workers, all other.....	85,440	15.66	32,580	14.00
<b>Food preparation and serving related occupations</b>				
	<b>11,438,550</b>	<b>9.72</b>	<b>20,220</b>	<b>8.59</b>
Chefs and head cooks.....	98,040	20.39	42,410	18.64
First-line supervisors/managers of food preparation and serving workers.....	805,360	14.81	30,810	13.93
Cooks, fast food.....	559,160	8.47	17,620	8.12
Cooks, institution and cafeteria.....	370,920	11.19	23,260	10.68
Cooks, private household.....	960	14.91	31,020	11.57
Cooks, restaurant.....	899,620	10.94	22,750	10.57
Cooks, short order.....	168,770	9.73	20,230	9.26
Cooks, all other.....	17,340	11.91	24,770	11.09
Food preparation workers.....	880,480	9.54	19,850	8.96
Bartenders.....	503,420	9.84	20,460	8.54
Combined food preparation and serving workers, including fast food.....	2,708,840	8.36	17,400	7.90
Counter attendants, cafeteria, food concession, and coffee shop.....	527,530	8.90	18,520	8.42
Waiters and waitresses.....	2,371,750	9.41	19,580	8.01
Food servers, nonrestaurant.....	188,390	10.19	21,190	9.32
Dining room and cafeteria attendants and bartender helpers.....	416,410	8.72	18,140	8.05
Dishwashers.....	521,150	8.54	17,750	8.19
Hosts and hostesses, restaurant, lounge, and coffee shop.....	349,990	8.93	18,570	8.42
Food preparation and serving related workers, all other.....	50,420	10.32	21,460	9.39
<b>Building and grounds cleaning and maintenance occupations</b>				
	<b>4,429,870</b>	<b>11.72</b>	<b>24,370</b>	<b>10.52</b>
First-line supervisors/managers of housekeeping and janitorial workers.....	183,560	17.46	36,310	16.34
First-line supervisors/managers of landscaping, lawn service, and groundskeeping workers.....	108,940	20.67	42,990	19.19
Janitors and cleaners, except maids and housekeeping cleaners.....	2,145,320	11.30	23,500	10.31
Maids and housekeeping cleaners.....	917,120	9.76	20,290	9.13
Building cleaning workers, all other.....	13,580	13.78	28,660	13.09
Pest control workers.....	63,180	14.92	31,040	14.37
Landscaping and groundskeeping workers.....	921,900	11.95	24,860	11.13
Pesticide handlers, sprayers, and applicators, vegetation.....	25,060	15.01	31,210	14.31
Tree trimmers and pruners.....	35,420	15.12	31,450	14.41
Grounds maintenance workers, all other.....	15,790	13.07	27,180	10.76
<b>Personal care and service occupations</b>				
	<b>3,437,520</b>	<b>11.59</b>	<b>24,120</b>	<b>9.82</b>
Gaming supervisors.....	26,110	22.40	46,600	21.87
Slot key persons.....	15,390	13.68	28,460	12.24
First-line supervisors/managers of personal service workers.....	129,070	18.38	38,230	16.78
Animal trainers.....	10,030	14.99	31,190	13.11
Nonfarm animal caretakers.....	126,740	10.36	21,550	9.31
Gaming dealers.....	91,130	9.56	19,890	7.84
Gaming and sports book writers and runners.....	16,140	10.96	22,800	9.46
Gaming service workers, all other.....	13,910	12.16	25,290	11.58
Motion picture projectionists.....	10,200	10.91	22,700	9.46
Ushers, lobby attendants, and ticket takers.....	106,570	9.18	19,100	8.35
Amusement and recreation attendants.....	258,820	9.10	18,930	8.40
Costume attendants.....	5,120	15.46	32,150	12.62
Locker room, coatroom, and dressing room attendants.....	18,170	10.33	21,490	9.48
Entertainment attendants and related workers, all other.....	43,930	10.06	20,920	9.39
Embalmers.....	8,090	18.90	39,320	18.32
Funeral attendants.....	33,060	11.19	23,270	10.63
Barbers.....	10,330	12.79	26,610	11.56
Hairdressers, hairstylists, and cosmetologists.....	355,990	12.82	26,660	11.13
Makeup artists, theatrical and performance.....	1,930	18.76	39,020	12.63
Manicurists and pedicurists.....	51,590	10.60	22,040	9.46
Shampooers.....	15,570	8.80	18,300	8.32
Skin care specialists.....	26,300	15.40	32,040	13.81
Baggage porters and bellhops.....	49,770	11.14	23,170	9.49
Concierges.....	20,380	13.52	28,120	13.07
Tour guides and escorts.....	31,760	12.09	25,150	11.19
Travel guides.....	4,510	16.18	33,660	14.60
Flight attendants.....	99,480	( <sup>2</sup> )	39,840	( <sup>2</sup> )
Transportation attendants, except flight attendants and baggage porters.....	21,870	10.76	22,370	9.98

See footnotes at end of table.

**Table 1. National employment and wage data from the Occupational Employment Statistics survey by occupation, May 2008—Continued**

Occupation	Employment	Mean wages		Median hourly wages
		Hourly	Annual <sup>1</sup>	
<b>Personal care and service occupations—Continued</b>				
Child care workers.....	581,670	\$9.79	\$20,350	\$9.12
Personal and home care aides.....	614,190	9.47	19,690	9.22
Fitness trainers and aerobics instructors.....	229,030	16.50	34,310	14.04
Recreation workers.....	282,680	11.81	24,570	10.56
Residential advisors.....	52,240	12.17	25,320	11.26
Personal care and service workers, all other.....	75,780	10.88	22,630	9.59
<b>Sales and related occupations</b>	<b>14,336,430</b>	<b>17.35</b>	<b>36,080</b>	<b>11.69</b>
First-line supervisors/managers of retail sales workers.....	1,186,270	19.19	39,910	16.97
First-line supervisors/managers of non-retail sales workers.....	275,390	38.40	79,870	32.74
Cashiers.....	3,545,610	9.08	18,880	8.49
Gaming change persons and booth cashiers.....	22,280	11.00	22,890	10.57
Counter and rental clerks.....	448,480	11.74	24,430	10.05
Parts salespersons.....	226,530	14.83	30,850	13.71
Retail salespersons.....	4,426,280	12.04	25,050	9.86
Advertising sales agents.....	161,550	25.56	53,170	20.90
Insurance sales agents.....	327,780	29.06	60,440	21.84
Securities, commodities, and financial services sales agents.....	271,900	44.26	92,050	33.02
Travel agents.....	86,420	15.61	32,470	14.70
Sales representatives, services, all other.....	569,130	28.38	59,030	23.77
Sales representatives, wholesale and manufacturing, technical and scientific products.....	415,120	38.11	79,260	33.75
Sales representatives, wholesale and manufacturing, except technical and scientific products.....	1,493,760	29.55	61,470	24.68
Demonstrators and product promoters.....	83,540	13.05	27,150	11.18
Models.....	1,660	14.50	30,160	13.18
Real estate brokers.....	51,390	37.13	77,240	27.64
Real estate sales agents.....	164,080	26.16	54,410	19.30
Sales engineers.....	78,030	43.16	89,770	39.95
Telemarketers.....	345,220	11.91	24,770	10.56
Door-to-door sales workers, news and street vendors, and related workers.....	9,520	13.27	27,600	10.09
Sales and related workers, all other.....	146,480	20.10	41,810	16.99
<b>Office and administrative support occupations</b>	<b>23,231,750</b>	<b>15.49</b>	<b>32,220</b>	<b>14.32</b>
First-line supervisors/managers of office and administrative support workers.....	1,404,330	23.42	48,700	22.02
Switchboard operators, including answering service.....	153,860	12.14	25,250	11.65
Telephone operators.....	22,820	16.25	33,800	15.23
Communications equipment operators, all other.....	3,500	17.79	37,000	16.85
Bill and account collectors.....	408,760	15.47	32,180	14.73
Billing and posting clerks and machine operators.....	512,120	15.44	32,120	14.88
Bookkeeping, accounting, and auditing clerks.....	1,855,010	16.25	33,800	15.63
Gaming cage workers.....	17,060	12.48	25,970	11.97
Payroll and timekeeping clerks.....	203,210	17.07	35,500	16.74
Procurement clerks.....	79,610	16.96	35,280	16.72
Tellers.....	600,380	11.66	24,250	11.35
Brokerage clerks.....	68,430	19.89	41,370	18.61
Correspondence clerks.....	13,450	15.04	31,280	14.73
Court, municipal, and license clerks.....	115,070	16.88	35,120	15.96
Credit authorizers, checkers, and clerks.....	65,020	15.37	31,980	14.61
Customer service representatives.....	2,233,270	15.28	31,790	14.36
Eligibility interviewers, government programs.....	112,510	19.16	39,850	18.90
File clerks.....	204,760	12.16	25,290	11.44
Hotel, motel, and resort desk clerks.....	230,230	9.92	20,630	9.37
Interviewers, except eligibility and loan.....	224,690	13.96	29,040	13.53
Library assistants, clerical.....	114,740	11.68	24,290	10.88
Loan interviewers and clerks.....	212,340	16.29	33,890	15.61
New accounts clerks.....	87,300	14.90	30,990	14.53
Order clerks.....	248,030	14.08	29,300	13.46
Human resources assistants, except payroll and timekeeping.....	164,340	17.70	36,810	17.19
Receptionists and information clerks.....	1,097,610	12.21	25,400	11.80
Reservation and transportation ticket agents and travel clerks.....	163,880	15.41	32,060	14.94
All other information and record clerks.....	215,780	16.78	34,910	16.15
Cargo and freight agents.....	85,950	18.67	38,830	17.92
Couriers and messengers.....	96,110	12.07	25,100	11.22
Police, fire, and ambulance dispatchers.....	96,360	16.99	35,340	16.19
Dispatchers, except police, fire, and ambulance.....	193,210	17.58	36,560	16.28

See footnotes at end of table.

**Table 1. National employment and wage data from the Occupational Employment Statistics survey by occupation, May 2008—Continued**

Occupation	Employment	Mean wages		Median hourly wages
		Hourly	Annual <sup>1</sup>	
<b>Office and administrative support occupations—Continued</b>				
Meter readers, utilities.....	44,730	\$16.77	\$34,890	\$15.84
Postal service clerks.....	78,250	26.22	54,550	26.89
Postal service mail carriers.....	354,570	23.63	49,150	24.18
Postal service mail sorters, processors, and processing machine operators.....	185,770	22.86	47,550	24.33
Production, planning, and expediting clerks.....	281,660	20.26	42,150	19.46
Shipping, receiving, and traffic clerks.....	760,950	14.03	29,180	13.30
Stock clerks and order fillers.....	1,873,390	11.13	23,140	10.00
Weighers, measurers, checkers, and samplers, recordkeeping.....	72,720	13.70	28,500	12.95
Executive secretaries and administrative assistants.....	1,491,520	20.35	42,340	19.24
Legal secretaries.....	257,810	20.02	41,640	19.16
Medical secretaries.....	454,500	14.81	30,800	14.27
Secretaries, except legal, medical, and executive.....	1,872,070	14.42	29,990	13.96
Computer operators.....	107,450	17.82	37,070	17.11
Data entry keyers.....	272,810	13.04	27,110	12.56
Word processors and typists.....	128,010	15.73	32,710	15.09
Desktop publishers.....	26,210	18.62	38,740	17.59
Insurance claims and policy processing clerks.....	237,800	16.75	34,830	15.91
Mail clerks and mail machine operators, except postal service.....	137,350	12.70	26,420	12.07
Office clerks, general.....	2,906,600	12.90	26,830	12.17
Office machine operators, except computer.....	79,470	13.13	27,310	12.40
Proofreaders and copy markers.....	15,300	15.50	32,240	14.66
Statistical assistants.....	16,900	17.32	36,020	16.76
Office and administrative support workers, all other.....	272,190	15.15	31,510	14.10
<b>Farming, fishing, and forestry occupations</b>				
<b>438,490</b>	<b>11.32</b>	<b>23,560</b>	<b>9.34</b>	
First-line supervisors/managers of farming, fishing, and forestry workers.....	20,800	20.55	42,740	19.11
Farm labor contractors.....	1,110	17.62	36,640	16.10
Agricultural inspectors.....	14,340	19.87	41,330	19.80
Animal breeders.....	2,080	15.90	33,070	13.02
Graders and sorters, agricultural products.....	37,500	9.85	20,490	9.06
Agricultural equipment operators.....	22,110	11.77	24,490	10.92
Farmworkers and laborers, crop, nursery, and greenhouse.....	242,390	9.27	19,280	8.64
Farmworkers, farm and ranch animals.....	38,110	11.02	22,920	10.13
Agricultural workers, all other.....	7,680	13.13	27,310	12.00
Fishers and related fishing workers.....	1,110	13.68	28,460	13.44
Forest and conservation workers.....	8,280	12.55	26,110	10.98
Fallers.....	7,120	16.43	34,180	14.66
Logging equipment operators.....	27,010	15.76	32,780	15.18
Log graders and scalers.....	3,610	16.51	34,330	15.64
Logging workers, all other.....	5,180	15.82	32,900	15.96
<b>Construction and extraction occupations</b>				
<b>6,548,760</b>	<b>20.36</b>	<b>42,350</b>	<b>18.24</b>	
First-line supervisors/managers of construction trades and extraction workers.....	577,390	29.46	61,280	27.95
Boilermakers.....	20,400	25.53	53,100	25.13
Brickmasons and blockmasons.....	106,270	22.95	47,740	21.94
Stonemasons.....	18,910	19.68	40,930	18.17
Carpenters.....	899,920	20.64	42,940	18.72
Carpet installers.....	34,390	19.87	41,330	17.80
Floor layers, except carpet, wood, and hard tiles.....	14,250	19.03	39,580	17.50
Floor sanders and finishers.....	8,220	16.93	35,220	15.41
Tile and marble setters.....	51,210	20.13	41,870	18.85
Cement masons and concrete finishers.....	201,730	18.75	39,000	16.87
Terrazzo workers and finishers.....	5,550	18.90	39,300	17.25
Construction laborers.....	1,020,290	15.51	32,250	13.71
Paving, surfacing, and tamping equipment operators.....	61,230	17.54	36,490	16.00
Pile-driver operators.....	4,790	24.83	51,640	23.01
Operating engineers and other construction equipment operators.....	398,910	20.97	43,630	18.88
Drywall and ceiling tile installers.....	128,740	19.68	40,940	18.12
Tapers.....	31,850	22.07	45,900	21.03
Electricians.....	633,010	23.98	49,890	22.32
Glaziers.....	51,730	18.74	38,990	17.11
Insulation workers, floor, ceiling, and wall.....	28,390	16.79	34,920	15.34
Insulation workers, mechanical.....	30,150	19.99	41,570	17.95
Painters, construction and maintenance.....	250,310	17.56	36,510	15.85

See footnotes at end of table.



**Table 1. National employment and wage data from the Occupational Employment Statistics survey by occupation, May 2008—Continued**

Occupation	Employment	Mean wages		Median hourly wages
		Hourly	Annual <sup>1</sup>	
<b>Construction and extraction occupations—Continued</b>				
Paperhangers.....	4,610	\$19.00	\$39,520	\$16.76
Pipelayers.....	54,440	17.45	36,300	15.72
Plumbers, pipefitters, and steamfitters.....	437,540	23.65	49,200	21.94
Plasterers and stucco masons.....	43,290	19.27	40,070	18.01
Reinforcing iron and rebar workers.....	28,620	21.34	44,380	19.18
Roofers.....	120,200	18.00	37,430	16.17
Sheet metal workers.....	163,480	21.30	44,310	19.37
Structural iron and steel workers.....	68,670	22.68	47,170	20.68
Helpers--brickmasons, blockmasons, stonemasons, and tile and marble setters.....	53,300	14.24	29,610	13.19
Helpers--carpenters.....	81,260	12.69	26,390	12.21
Helpers--electricians.....	104,050	13.20	27,450	12.69
Helpers--painters, paperhangers, plasterers, and stucco masons.....	19,900	11.70	24,330	11.23
Helpers--pipelayers, plumbers, pipefitters, and steamfitters.....	79,870	13.10	27,260	12.73
Helpers--roofers.....	18,730	11.85	24,660	11.47
Helpers, construction trades, all other.....	27,210	13.04	27,130	12.01
Construction and building inspectors.....	96,000	25.08	52,160	24.12
Elevator installers and repairers.....	25,070	32.57	67,750	33.35
Fence erectors.....	25,710	14.49	30,130	13.49
Hazardous materials removal workers.....	42,500	19.37	40,290	17.94
Highway maintenance workers.....	136,420	16.84	35,040	16.35
Rail-track laying and maintenance equipment operators.....	15,020	21.57	44,870	21.26
Septic tank servicers and sewer pipe cleaners.....	24,730	17.09	35,550	16.19
Segmental pavers.....	1,170	13.68	28,450	13.17
Construction and related workers, all other.....	55,820	16.91	35,170	15.65
Derrick operators, oil and gas.....	23,590	20.18	41,980	20.15
Rotary drill operators, oil and gas.....	27,020	26.14	54,370	23.94
Service unit operators, oil, gas, and mining.....	36,850	19.86	41,320	18.07
Earth drillers, except oil and gas.....	20,220	19.88	41,360	18.39
Explosives workers, ordnance handling experts, and blasters.....	6,060	21.39	44,490	20.18
Continuous mining machine operators.....	10,920	21.91	45,570	22.09
Mine cutting and channeling machine operators.....	9,190	19.96	41,510	19.94
Mining machine operators, all other.....	4,650	20.79	43,240	20.62
Rock splitters, quarry.....	4,210	14.50	30,160	13.41
Roof bolters, mining.....	4,950	21.97	45,690	21.74
Roustabouts, oil and gas.....	62,540	15.70	32,660	14.72
Helpers--extraction workers.....	25,550	16.36	34,030	15.74
Extraction workers, all other.....	7,800	19.89	41,370	18.49
<b>Installation, maintenance, and repair occupations</b>	<b>5,374,850</b>	<b>19.82</b>	<b>41,230</b>	<b>18.60</b>
First-line supervisors/managers of mechanics, installers, and repairers.....	443,840	28.44	59,160	27.55
Computer, automated teller, and office machine repairers.....	122,400	18.95	39,420	18.18
Radio mechanics.....	5,440	20.45	42,530	19.36
Telecommunications equipment installers and repairers, except line installers.....	195,170	25.31	52,650	26.73
Avionics technicians.....	18,360	23.73	49,360	23.71
Electric motor, power tool, and related repairers.....	23,400	17.84	37,110	16.96
Electrical and electronics installers and repairers, transportation equipment.....	15,860	21.60	44,940	21.37
Electrical and electronics repairers, commercial and industrial equipment.....	77,270	23.68	49,260	23.29
Electrical and electronics repairers, powerhouse, substation, and relay.....	23,180	29.18	60,700	29.34
Electronic equipment installers and repairers, motor vehicles.....	19,980	14.31	29,770	13.29
Electronic home entertainment equipment installers and repairers.....	38,680	16.26	33,830	15.42
Security and fire alarm systems installers.....	62,720	18.57	38,630	17.63
Aircraft mechanics and service technicians.....	116,310	24.83	51,650	24.71
Automotive body and related repairers.....	147,200	19.21	39,950	17.81
Automotive glass installers and repairers.....	18,330	15.95	33,180	15.44
Automotive service technicians and mechanics.....	649,460	18.05	37,540	16.88
Bus and truck mechanics and diesel engine specialists.....	248,620	19.57	40,710	18.94
Farm equipment mechanics.....	30,240	15.79	32,850	15.32
Mobile heavy equipment mechanics, except engines.....	125,930	21.30	44,300	20.59
Rail car repairers.....	20,780	21.59	44,920	21.48
Motorboat mechanics.....	19,640	17.35	36,080	16.60
Motorcycle mechanics.....	16,850	16.10	33,490	15.08
Outdoor power equipment and other small engine mechanics.....	26,440	14.41	29,970	13.91
Bicycle repairers.....	9,690	11.61	24,140	11.15
Recreational vehicle service technicians.....	13,400	16.05	33,380	15.14
Tire repairers and changers.....	98,520	11.46	23,830	10.80

See footnotes at end of table.

**Table 1. National employment and wage data from the Occupational Employment Statistics survey by occupation, May 2008—Continued**

Occupation	Employment	Mean wages		Median hourly wages
		Hourly	Annual <sup>1</sup>	
<b>Installation, maintenance, and repair occupations—Continued</b>				
Mechanical door repairers.....	17,530	\$17.00	\$35,360	\$16.11
Control and valve installers and repairers, except mechanical door.....	43,900	22.72	47,260	22.62
Heating, air conditioning, and refrigeration mechanics and installers.....	261,610	20.31	42,240	19.08
Home appliance repairers.....	37,300	17.16	35,690	16.30
Industrial machinery mechanics.....	280,620	21.77	45,280	20.99
Maintenance and repair workers, general.....	1,305,170	17.13	35,630	16.21
Maintenance workers, machinery.....	73,650	18.56	38,610	17.69
Millwrights.....	46,250	24.05	50,030	22.87
Refractory materials repairers, except brickmasons.....	2,450	20.07	41,750	19.78
Electrical power-line installers and repairers.....	111,580	26.11	54,300	26.49
Telecommunications line installers and repairers.....	168,050	22.75	47,330	23.12
Camera and photographic equipment repairers.....	3,820	18.27	37,990	16.49
Medical equipment repairers.....	34,260	21.17	44,030	19.96
Musical instrument repairers and tuners.....	5,310	17.28	35,950	15.90
Watch repairers.....	2,770	18.08	37,600	16.66
Precision instrument and equipment repairers, all other.....	12,990	24.23	50,400	23.54
Coin, vending, and amusement machine servicers and repairers.....	41,280	14.89	30,970	14.39
Commercial divers.....	2,370	26.42	54,940	22.28
Fabric menders, except garment.....	960	13.42	27,920	13.69
Locksmiths and safe repairers.....	18,500	17.26	35,900	16.57
Manufactured building and mobile home installers.....	8,290	14.17	29,460	13.58
Riggers.....	13,490	20.49	42,620	19.77
Signal and track switch repairers.....	6,570	23.59	49,060	23.89
Helpers--installation, maintenance, and repair workers.....	149,350	12.34	25,670	11.46
Installation, maintenance, and repair workers, all other.....	139,100	17.89	37,220	16.46
<b>Production occupations</b>	<b>9,919,120</b>	<b>15.54</b>	<b>32,320</b>	<b>13.99</b>
First-line supervisors/managers of production and operating workers.....	658,500	25.72	53,500	24.25
Aircraft structure, surfaces, rigging, and systems assemblers.....	43,330	20.96	43,600	21.22
Coil winders, tapers, and finishers.....	22,160	13.81	28,720	13.33
Electrical and electronic equipment assemblers.....	215,230	14.14	29,410	13.22
Electromechanical equipment assemblers.....	62,310	14.67	30,520	14.11
Engine and other machine assemblers.....	39,270	16.78	34,900	15.70
Structural metal fabricators and fitters.....	111,620	16.28	33,860	15.58
Fiberglass laminators and fabricators.....	30,890	13.79	28,680	13.48
Team assemblers.....	1,131,060	13.28	27,630	12.32
Timing device assemblers, adjusters, and calibrators.....	2,700	14.76	30,710	13.73
Assemblers and fabricators, all other.....	318,060	15.79	32,840	13.37
Bakers.....	141,130	12.03	25,020	11.20
Butchers and meat cutters.....	128,210	14.28	29,700	13.60
Meat, poultry, and fish cutters and trimmers.....	166,150	10.77	22,400	10.49
Slaughterers and meat packers.....	97,000	11.19	23,270	11.07
Food and tobacco roasting, baking, and drying machine operators and tenders.....	17,870	13.76	28,610	12.81
Food batchmakers.....	99,170	12.64	26,290	11.62
Food cooking machine operators and tenders.....	39,300	11.59	24,110	11.00
Computer-controlled machine tool operators, metal and plastic.....	143,030	16.60	34,520	16.03
Numerical tool and process control programmers.....	16,990	22.29	46,360	21.30
Extruding and drawing machine setters, operators, and tenders, metal and plastic.....	92,160	14.92	31,030	14.31
Forging machine setters, operators, and tenders, metal and plastic.....	28,800	15.56	32,370	14.90
Rolling machine setters, operators, and tenders, metal and plastic.....	34,970	17.02	35,410	16.40
Cutting, punching, and press machine setters, operators, and tenders, metal and plastic.....	242,970	14.15	29,420	13.54
Drilling and boring machine tool setters, operators, and tenders, metal and plastic.....	33,550	15.64	32,520	14.83
Grinding, lapping, polishing, and buffing machine tool setters, operators, and tenders, metal and plastic.....	91,990	15.01	31,230	14.16
Lathe and turning machine tool setters, operators, and tenders, metal and plastic.....	56,500	16.38	34,070	15.84
Milling and planing machine setters, operators, and tenders, metal and plastic.....	26,220	16.56	34,450	16.00
Machinists.....	419,070	18.03	37,490	17.41
Metal-refining furnace operators and tenders.....	19,280	17.94	37,310	17.47
Pourers and casters, metal.....	15,320	16.11	33,510	15.66
Model makers, metal and plastic.....	8,990	21.49	44,700	19.55
Patternmakers, metal and plastic.....	6,220	18.98	39,490	17.75
Foundry mold and coremakers.....	15,240	14.61	30,390	14.13
Molding, coremaking, and casting machine setters, operators, and tenders, metal and plastic.....	145,760	14.07	29,270	13.17
Multiple machine tool setters, operators, and tenders, metal and plastic.....	87,800	15.76	32,780	14.87

See footnotes at end of table.

**Table 1. National employment and wage data from the Occupational Employment Statistics survey by occupation, May 2008—Continued**

Occupation	Employment	Mean wages		Median hourly wages
		Hourly	Annual <sup>1</sup>	
<b>Production occupations—Continued</b>				
Tool and die makers.....	85,610	\$23.17	\$48,180	\$22.32
Welders, cutters, solderers, and brazers.....	392,520	17.01	35,370	16.13
Welding, soldering, and brazing machine setters, operators, and tenders.....	51,840	16.20	33,700	15.20
Heat treating equipment setters, operators, and tenders, metal and plastic.....	23,630	15.93	33,140	15.40
Lay-out workers, metal and plastic.....	8,340	17.87	37,170	16.79
Plating and coating machine setters, operators, and tenders, metal and plastic.....	40,300	14.46	30,090	13.65
Tool grinders, filers, and sharpeners.....	16,410	16.29	33,880	15.37
Metal workers and plastic workers, all other.....	43,690	17.10	35,570	15.61
Bindery workers.....	60,560	13.99	29,100	13.17
Bookbinders.....	6,150	16.33	33,970	14.92
Job printers.....	42,640	16.98	35,330	16.21
Prepress technicians and workers.....	61,170	17.52	36,440	16.84
Printing machine operators.....	193,510	16.42	34,150	15.46
Laundry and dry-cleaning workers.....	221,230	9.72	20,230	9.14
Pressers, textile, garment, and related materials.....	67,500	9.55	19,860	9.15
Sewing machine operators.....	190,440	10.43	21,690	9.55
Shoe and leather workers and repairers.....	8,170	11.60	24,130	11.00
Shoe machine operators and tenders.....	4,910	12.22	25,420	12.06
Sewers, hand.....	7,050	11.14	23,170	10.58
Tailors, dressmakers, and custom sewers.....	31,700	12.94	26,920	12.01
Textile bleaching and dyeing machine operators and tenders.....	16,180	11.77	24,480	11.38
Textile cutting machine setters, operators, and tenders.....	20,170	11.45	23,810	10.88
Textile knitting and weaving machine setters, operators, and tenders.....	30,250	12.33	25,650	12.21
Textile winding, twisting, and drawing out machine setters, operators, and tenders.....	36,540	11.83	24,600	11.53
Extruding and forming machine setters, operators, and tenders, synthetic and glass fibers.....	14,440	15.29	31,800	14.98
Fabric and apparel patternmakers.....	7,500	20.28	42,190	18.15
Upholsterers.....	39,090	14.69	30,560	13.94
Textile, apparel, and furnishings workers, all other.....	17,430	13.20	27,450	11.85
Cabinetmakers and bench carpenters.....	120,960	14.72	30,620	13.93
Furniture finishers.....	21,630	13.66	28,410	12.93
Model makers, wood.....	1,740	17.16	35,690	15.06
Patternmakers, wood.....	1,930	18.61	38,720	16.35
Sawing machine setters, operators, and tenders, wood.....	51,830	13.01	27,070	12.41
Woodworking machine setters, operators, and tenders, except sawing.....	88,510	12.44	25,880	11.89
Woodworkers, all other.....	11,260	12.78	26,570	11.57
Nuclear power reactor operators.....	4,970	35.34	73,510	35.25
Power distributors and dispatchers.....	9,820	31.76	66,070	31.68
Power plant operators.....	34,700	28.05	58,340	28.11
Stationary engineers and boiler operators.....	39,000	24.36	50,660	23.94
Water and liquid waste treatment plant and system operators.....	110,300	19.21	39,950	18.48
Chemical plant and system operators.....	44,600	25.07	52,150	25.23
Gas plant operators.....	14,500	26.61	55,350	26.81
Petroleum pump system operators, refinery operators, and gaugers.....	45,710	26.42	54,950	26.45
Plant and system operators, all other.....	12,370	23.36	48,590	23.37
Chemical equipment operators and tenders.....	52,890	21.92	45,580	21.76
Separating, filtering, clarifying, precipitating, and still machine setters, operators, and tenders.....	41,200	18.27	38,010	17.64
Crushing, grinding, and polishing machine setters, operators, and tenders.....	41,270	15.08	31,360	14.38
Grinding and polishing workers, hand.....	40,290	13.03	27,100	12.36
Mixing and blending machine setters, operators, and tenders.....	140,120	15.70	32,650	15.04
Cutters and trimmers, hand.....	24,700	12.28	25,540	11.38
Cutting and slicing machine setters, operators, and tenders.....	76,500	14.44	30,020	13.85
Extruding, forming, pressing, and compacting machine setters, operators, and tenders.....	85,130	14.63	30,430	13.92
Furnace, kiln, oven, drier, and kettle operators and tenders.....	22,950	15.84	32,950	15.31
Inspectors, testers, sorters, samplers, and weighers.....	467,010	16.29	33,890	15.02
Jewelers and precious stone and metal workers.....	24,780	17.00	35,360	15.84
Dental laboratory technicians.....	42,640	17.78	36,990	16.43
Medical appliance technicians.....	12,930	18.58	38,640	16.57
Ophthalmic laboratory technicians.....	32,930	14.01	29,130	13.08
Packaging and filling machine operators and tenders.....	357,480	12.76	26,550	11.73
Coating, painting, and spraying machine setters, operators, and tenders.....	103,310	14.27	29,680	13.66

See footnotes at end of table.

**Table 1. National employment and wage data from the Occupational Employment Statistics survey by occupation, May 2008—Continued**

Occupation	Employment	Mean wages		Median hourly wages
		Hourly	Annual <sup>1</sup>	
<b>Production occupations—Continued</b>				
Painters, transportation equipment.....	50,310	\$19.37	\$40,300	\$17.86
Painting, coating, and decorating workers.....	31,200	12.54	26,090	11.57
Photographic process workers.....	21,040	14.14	29,410	12.51
Photographic processing machine operators.....	49,550	10.93	22,740	9.79
Semiconductor processors.....	32,230	16.43	34,170	15.49
Cementing and gluing machine operators and tenders.....	19,640	13.96	29,030	13.23
Cleaning, washing, and metal pickling equipment operators and tenders.....	18,870	12.57	26,140	11.53
Cooling and freezing equipment operators and tenders.....	9,940	13.11	27,260	12.05
Etchers and engravers.....	10,760	14.14	29,400	13.22
Molders, shapers, and casters, except metal and plastic.....	41,900	13.98	29,090	13.40
Paper goods machine setters, operators, and tenders.....	104,170	16.35	34,010	15.91
Tire builders.....	21,740	18.31	38,080	19.35
Helpers--production workers.....	499,870	11.21	23,320	10.48
Production workers, all other.....	280,160	14.57	30,310	12.86
<b>Transportation and material moving occupations</b>	<b>9,508,750</b>	<b>15.12</b>	<b>31,450</b>	<b>13.14</b>
Aircraft cargo handling supervisors.....	4,950	22.43	46,660	19.23
First-line supervisors/managers of helpers, laborers, and material movers, hand.....	186,230	21.33	44,380	20.18
First-line supervisors/managers of transportation and material-moving machine and vehicle operators.....	218,480	25.94	53,960	24.67
Airline pilots, copilots, and flight engineers.....	77,090	(?)	119,750	(?)
Commercial pilots.....	31,250	(?)	75,500	(?)
Air traffic controllers.....	24,260	51.97	108,090	53.78
Airfield operations specialists.....	8,050	20.46	42,550	19.88
Ambulance drivers and attendants, except emergency medical technicians.....	21,790	11.25	23,400	10.77
Bus drivers, transit and intercity.....	184,160	17.16	35,700	16.32
Bus drivers, school.....	460,100	13.01	27,060	12.79
Driver/sales workers.....	372,720	12.52	26,050	10.70
Truck drivers, heavy and tractor-trailer.....	1,672,580	18.62	38,720	17.92
Truck drivers, light or delivery services.....	908,960	14.55	30,260	13.27
Taxi drivers and chauffeurs.....	170,520	11.32	23,540	10.36
Motor vehicle operators, all other.....	78,610	14.26	29,650	11.97
Locomotive engineers.....	42,760	25.71	53,470	23.29
Locomotive firers.....	970	25.46	52,950	23.17
Rail yard engineers, dinkey operators, and hostlers.....	5,480	16.76	34,850	15.68
Railroad brake, signal, and switch operators.....	24,610	23.75	49,400	22.94
Railroad conductors and yardmasters.....	39,580	26.02	54,120	25.40
Subway and streetcar operators.....	7,430	23.72	49,330	25.59
Rail transportation workers, all other.....	4,660	21.25	44,200	21.12
Sailors and marine oilers.....	32,420	17.25	35,880	16.53
Captains, mates, and pilots of water vessels.....	30,600	32.56	67,730	29.79
Motorboat operators.....	3,380	17.54	36,480	15.34
Ship engineers.....	11,190	31.80	66,140	29.18
Bridge and lock tenders.....	4,490	19.20	39,930	19.54
Parking lot attendants.....	136,470	9.67	20,120	9.04
Service station attendants.....	84,480	9.78	20,340	9.11
Traffic technicians.....	7,030	20.10	41,810	19.00
Transportation inspectors.....	24,940	28.46	59,200	26.56
Transportation workers, all other.....	43,330	17.11	35,590	15.87
Conveyor operators and tenders.....	41,920	14.46	30,090	13.95
Crane and tower operators.....	44,490	21.84	45,430	20.13
Dredge operators.....	1,910	18.77	39,040	16.70
Excavating and loading machine and dragline operators.....	65,160	18.36	38,180	16.93
Loading machine operators, underground mining.....	3,670	21.26	44,230	20.54
Hoist and winch operators.....	2,810	19.87	41,340	17.50
Industrial truck and tractor operators.....	620,450	14.78	30,750	13.98
Cleaners of vehicles and equipment.....	330,850	10.43	21,700	9.35
Laborers and freight, stock, and material movers, hand.....	2,335,510	11.87	24,690	10.89
Machine feeders and offbearers.....	144,820	12.92	26,880	12.29
Packers and packagers, hand.....	777,630	10.15	21,100	9.16

See footnotes at end of table.

**Table 1. National employment and wage data from the Occupational Employment Statistics survey by occupation, May 2008—Continued**

Occupation	Employment	Mean wages		Median hourly wages
		Hourly	Annual <sup>1</sup>	
<b>Production occupations—Continued</b>				
Gas compressor and gas pumping station operators.....	4,050	21.35	44,410	21.45
Pump operators, except wellhead pumpers.....	9,280	19.72	41,020	18.81
Wellhead pumpers.....	17,050	18.96	39,430	18.20
Refuse and recyclable material collectors.....	129,080	15.76	32,790	14.93
Shuttle car operators.....	3,050	20.53	42,700	20.29
Tank car, truck, and ship loaders.....	12,330	19.00	39,510	18.14
Material moving workers, all other.....	41,140	16.68	34,700	15.68

<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 2008**

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 .....	135,185,230	6,152,650	6,135,520	3,308,260	2,521,630	1,296,840	1,861,750	1,003,270	8,451,250	1,804,940	7,076,800
Agriculture, forestry, fishing, and hunting.....	388,590	6,570	1,450	240	100	2,540	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	100	130
Mining.....	685,650	35,160	24,430	7,100	30,260	18,810	( <sup>1</sup> )	1,810	( <sup>1</sup> )	290	2,640
Utilities.....	557,010	34,790	39,200	17,850	48,660	9,550	( <sup>1</sup> )	1,660	( <sup>1</sup> )	2,230	1,600
Construction.....	7,456,300	373,300	216,330	( <sup>1</sup> )	85,150	( <sup>1</sup> )	( <sup>1</sup> )	1,490	( <sup>1</sup> )	( <sup>1</sup> )	2,340
Manufacturing.....	13,655,340	684,380	427,000	274,110	796,630	156,620	140	5,320	1,130	84,500	18,020
Wholesale trade.....	6,011,920	342,850	230,500	174,970	64,220	31,660	320	2,430	730	55,560	14,360
Retail trade.....	15,641,530	348,420	151,780	58,530	5,190	5,240	( <sup>1</sup> )	1,430	5,080	114,000	455,470
Transportation and warehousing.....	5,346,660	156,830	103,390	26,290	26,480	3,550	90	1,830	1,410	4,220	4,540
Information.....	3,019,290	205,540	164,410	421,410	64,630	28,620	220	6,880	15,930	487,160	1,220
Finance and insurance.....	5,916,480	468,400	1,325,950	312,560	3,090	28,370	3,540	55,020	1,620	20,250	29,980
Real estate and rental and leasing.....	2,137,390	202,450	102,260	13,530	4,720	6,200	2,010	7,360	440	14,410	7,160
Professional, scientific, and technical services.....	7,747,850	551,040	951,970	1,111,220	943,450	374,760	6,540	615,400	17,800	333,720	158,910
Management of companies and enterprises.....	1,916,450	335,670	346,150	193,750	49,940	32,440	15,290	21,720	5,530	32,870	25,000
Administrative and support and waste management and remediation services.....	8,379,080	243,220	303,280	145,990	75,890	30,600	13,670	22,250	35,740	49,570	190,870
Educational services.....	12,655,780	541,440	231,350	186,760	21,980	165,620	278,760	3,250	7,499,790	216,430	246,230
Health care and social assistance.....	16,499,250	557,830	226,140	88,420	5,050	86,670	948,740	4,300	534,440	32,900	5,469,260
Arts, entertainment, and recreation.....	1,974,230	67,480	37,880	5,770	1,740	4,800	320	370	31,740	187,020	5,850
Accommodation and food services.....	11,525,590	289,390	39,620	2,640	420	1,180	580	270	530	15,440	4,430
Other services (except public administration).....	3,922,780	185,780	204,330	28,150	7,200	12,930	101,680	8,590	74,860	86,650	9,360
Federal, state, and local government.....	9,748,080	522,120	1,008,090	228,840	286,850	292,790	489,100	241,880	224,110	59,650	429,430

See footnote at end of table.

Table 2. Employment by industry and occupational group, May 2008—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 .....	3,779,280	3,128,960	11,438,550	4,429,870	3,437,520	14,336,430	23,231,750	438,490	6,548,760	5,374,850	9,919,120	9,508,750
Agriculture, forestry, fishing, and hunting.....	( <sup>1</sup> )	390	( <sup>1</sup> )	3,990	5,320	2,480	20,210	275,050	720	7,020	12,250	49,790
Mining.....	( <sup>1</sup> )	( <sup>1</sup> )	230	1,420	( <sup>1</sup> )	9,310	58,430	( <sup>1</sup> )	286,610	56,130	53,320	98,550
Utilities.....	( <sup>1</sup> )	4,840	( <sup>1</sup> )	3,030	( <sup>1</sup> )	9,380	114,650	270	31,970	145,150	80,220	11,730
Construction.....	( <sup>1</sup> )	4,840	( <sup>1</sup> )	43,460	1,270	143,020	721,860	( <sup>1</sup> )	4,908,950	555,500	110,950	262,950
Manufacturing.....	810	18,440	36,520	85,440	770	407,860	1,310,160	32,520	247,470	674,560	7,161,840	1,231,100
Wholesale trade.....	970	5,320	5,390	26,420	1,330	1,609,610	1,422,210	50,870	22,680	389,110	321,940	1,238,450
Retail trade.....	58,630	69,990	487,980	126,360	88,490	8,531,570	2,676,430	20,200	55,130	790,200	429,280	1,161,480
Transportation and warehousing.....	200	18,510	7,700	36,860	153,690	89,640	1,552,790	2,870	29,690	292,930	71,620	2,761,530
Information.....	150	5,430	42,950	11,990	55,280	403,730	659,520	( <sup>1</sup> )	4,640	304,690	71,870	63,020
Finance and insurance.....	2,100	12,250	1,570	13,720	1,090	745,350	2,871,320	180	1,330	12,150	3,080	3,550
Real estate and rental and leasing.....	4,490	30,890	21,950	159,130	24,130	533,080	483,130	950	31,820	331,970	11,460	143,860
Professional, scientific, and technical services.....	71,320	11,820	5,900	38,550	31,690	350,730	1,855,440	5,140	64,550	76,040	114,560	57,310
Management of companies and enterprises.....	7,370	8,790	13,870	11,520	8,770	98,030	562,140	1,270	9,240	44,590	31,080	61,430
Administrative and support and waste management and remediation services.....	99,550	718,470	( <sup>1</sup> )	1,711,110	63,450	523,730	1,861,270	( <sup>1</sup> )	300,910	204,330	741,830	943,490
Educational services.....	37,640	108,270	466,480	541,700	214,270	38,720	1,358,930	2,870	41,160	148,340	20,720	285,060
Health care and social assistance.....	3,303,300	68,440	527,940	455,710	1,058,470	56,170	2,710,180	860	17,180	126,960	107,950	112,350
Arts, entertainment, and recreation.....	5,480	76,300	321,790	193,190	561,700	155,390	187,370	3,590	9,750	69,870	6,550	40,290
Accommodation and food services.....	7,880	67,470	9,194,110	606,500	143,540	331,150	428,190	560	4,430	98,790	77,170	211,300
Other services (except public administration).....	33,010	46,640	102,730	106,710	729,010	232,130	602,300	1,260	14,020	658,830	324,420	352,200
Federal, state, and local government.....	146,140	1,851,220	112,190	253,060	295,090	65,340	1,775,220	26,440	466,500	387,720	167,020	419,290

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

**Table 3. Hourly median wage rates by industry and occupational group, May 2008**

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 .....	\$42.15	\$27.89	\$34.26	\$32.09	\$27.51	\$18.38	\$34.49	\$21.26	\$19.99	\$27.20	\$11.80
Agriculture, forestry, fishing, and hunting.....	33.43	25.01	28.40	26.93	18.55	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	15.73	30.14	( <sup>1</sup> )
Mining.....	47.88	30.34	33.82	40.95	33.52	( <sup>1</sup> )	31.69	( <sup>1</sup> )	28.46	29.67	( <sup>1</sup> )
Utilities.....	50.81	33.75	36.45	35.92	34.05	( <sup>1</sup> )	50.97	( <sup>1</sup> )	30.07	33.76	( <sup>1</sup> )
Construction.....	41.31	28.13	29.32	30.05	26.59	( <sup>1</sup> )	39.82	( <sup>1</sup> )	( <sup>1</sup> )	26.75	10.97
Manufacturing.....	48.41	28.78	38.30	33.04	28.58	24.99	54.14	28.88	21.57	26.92	14.54
Wholesale trade.....	49.46	27.75	34.92	32.19	30.89	22.53	51.54	21.87	19.47	23.09	13.64
Retail trade.....	35.61	23.11	23.76	28.20	24.35	18.00	16.97	15.51	12.85	17.15	9.77
Transportation and warehousing.....	37.71	27.47	32.29	30.06	28.84	20.93	53.46	25.50	20.94	22.09	13.17
Information.....	54.87	31.58	36.16	34.40	35.41	17.73	52.66	19.24	21.25	28.91	17.58
Finance and insurance.....	50.51	28.19	35.27	37.80	29.24	22.45	27.34	25.18	25.22	29.22	14.09
Real estate and rental and leasing.....	27.39	25.99	27.47	30.87	22.69	17.13	27.68	18.48	19.60	21.57	11.92
Professional, scientific, and technical services.....	56.96	30.33	36.23	30.51	27.64	19.74	35.36	23.79	23.13	19.34	10.20
Management of companies and enterprises.....	52.34	29.57	34.96	36.89	33.07	17.84	49.03	15.94	25.91	28.59	13.90
Administrative and support and waste management and remediation services.....	39.50	24.69	30.22	29.27	24.10	15.83	26.30	19.58	19.74	28.14	12.27
Educational services.....	( <sup>1</sup> )	24.85	24.88	27.46	23.87	25.01	( <sup>1</sup> )	22.18	16.53	25.16	13.84
Health care and social assistance.....	35.25	23.88	27.81	28.46	28.52	15.97	28.15	10.93	20.50	27.73	11.74
Arts, entertainment, and recreation.....	34.59	24.50	25.90	37.48	20.44	14.88	58.77	17.01	17.98	17.48	16.51
Accommodation and food services.....	23.87	20.94	24.04	28.43	21.06	12.26	36.39	11.88	15.12	21.88	14.21
Other services (except public administration).....	34.12	24.04	26.92	28.76	24.12	16.45	36.95	12.76	20.72	23.46	14.32
Federal, state, and local government.....	38.13	28.32	32.78	34.11	27.43	20.48	34.02	18.76	24.86	26.57	14.12

See footnote at end of table.



**Table 3. Hourly median wage rates by industry and occupational group, May 2008—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 .....	16.65	8.59	10.52	9.82	11.69	14.32	9.34	18.24	18.60	13.99	13.14
Agriculture, forestry, fishing, and hunting.....	10.49	( <sup>1</sup> )	10.95	11.37	23.97	12.24	8.95	14.35	14.27	9.65	9.89
Mining.....	( <sup>1</sup> )	8.76	10.00	( <sup>1</sup> )	27.65	15.00	( <sup>1</sup> )	19.08	20.71	19.89	17.39
Utilities.....	22.04	( <sup>1</sup> )	15.16	( <sup>1</sup> )	22.84	18.29	11.11	25.82	28.06	27.98	21.02
Construction.....	( <sup>1</sup> )	( <sup>1</sup> )	11.60	10.72	23.93	14.71	( <sup>1</sup> )	18.16	18.45	16.35	15.56
Manufacturing.....	14.51	9.15	11.37	11.12	25.79	15.58	11.37	18.83	20.61	14.46	13.22
Wholesale trade.....	11.74	8.46	10.95	10.18	24.38	14.44	9.52	17.44	18.60	13.40	13.35
Retail trade.....	11.61	9.21	9.74	9.02	9.62	10.75	9.67	15.94	15.76	11.97	9.87
Transportation and warehousing.....	14.93	10.64	19.26	14.65	24.85	19.57	11.95	21.75	21.97	17.54	16.52
Information.....	13.75	7.94	11.03	8.15	20.10	15.67	( <sup>1</sup> )	23.10	26.85	15.69	11.70
Finance and insurance.....	17.95	10.46	10.47	11.75	23.49	14.57	11.39	21.77	17.59	16.06	12.30
Real estate and rental and leasing.....	12.45	9.19	10.91	11.45	12.91	13.76	11.48	18.14	14.96	13.63	11.13
Professional, scientific, and technical services.....	17.93	8.84	11.15	9.08	24.62	15.49	10.03	21.61	21.26	15.09	12.80
Management of companies and enterprises.....	15.74	10.15	11.29	10.95	24.13	16.17	12.18	21.46	20.63	16.16	13.70
Administrative and support and waste management and remediation services.....	10.96	9.25	10.28	9.88	12.69	12.80	9.91	14.67	16.93	10.09	10.23
Educational services.....	13.99	9.98	12.71	10.83	14.03	14.66	( <sup>1</sup> )	21.15	17.86	18.91	12.56
Health care and social assistance.....	13.50	9.78	10.15	9.31	14.52	14.12	8.90	22.04	16.66	10.22	10.63
Arts, entertainment, and recreation.....	10.06	9.07	10.21	9.54	9.41	12.55	11.17	20.88	14.89	14.25	11.05
Accommodation and food services.....	11.38	8.37	9.09	9.25	8.14	10.81	10.08	20.93	13.33	9.82	7.93
Other services (except public administration).....	9.62	8.66	10.12	10.52	10.42	12.82	11.66	19.16	16.42	10.54	9.34
Federal, state, and local government.....	22.31	10.93	13.31	10.49	12.74	16.32	16.34	19.05	21.29	20.76	17.66

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

**Table 4. National employment and wage data for occupations with wages near the all-occupations median, May 2008**

Occupation <sup>1</sup>	Employment	Median wages		Mean hourly wages
		Hourly	Annual <sup>2</sup>	
<b>Total, all occupations</b> .....	135,185,230	\$15.57	\$32,390	\$20.32
<b>Office and administrative support occupations</b>				
Bookkeeping, accounting, and auditing clerks.....	1,855,010	15.63	32,510	16.25
Billing and posting clerks and machine operators.....	512,120	14.88	30,950	15.44
Insurance claims and policy processing clerks.....	237,800	15.91	33,100	16.75
All other information and record clerks.....	215,780	16.15	33,600	16.78
Loan interviewers and clerks.....	212,340	15.61	32,470	16.29
Dispatchers, except police, fire, and ambulance.....	193,210	16.28	33,850	17.58
Reservation and transportation ticket agents and travel clerks.....	163,880	14.94	31,070	15.41
Word processors and typists.....	128,010	15.09	31,390	15.73
Court, municipal, and license clerks.....	115,070	15.96	33,200	16.88
Police, fire, and ambulance dispatchers.....	96,360	16.19	33,670	16.99
Meter readers, utilities.....	44,730	15.84	32,950	16.77
Telephone operators.....	22,820	15.23	31,670	16.25
<b>Production occupations</b>				
Inspectors, testers, sorters, samplers, and weighers.....	467,010	15.02	31,240	16.29
Welders, cutters, solderers, and brazers.....	392,520	16.13	33,560	17.01
Printing machine operators.....	193,510	15.46	32,170	16.42
Computer-controlled machine tool operators, metal and plastic.....	143,030	16.03	33,330	16.60
Mixing and blending machine setters, operators, and tenders.....	140,120	15.04	31,280	15.70
Structural metal fabricators and fitters.....	111,620	15.58	32,400	16.28
Paper goods machine setters, operators, and tenders.....	104,170	15.91	33,080	16.35
Multiple machine tool setters, operators, and tenders, metal and plastic.....	87,800	14.87	30,920	15.76
Lathe and turning machine tool setters, operators, and tenders, metal and plastic.....	56,500	15.84	32,940	16.38
Welding, soldering, and brazing machine setters, operators, and tenders.....	51,840	15.20	31,610	16.20
Metal workers and plastic workers, all other.....	43,690	15.61	32,460	17.10
Job printers.....	42,640	16.21	33,710	16.98
Engine and other machine assemblers.....	39,270	15.70	32,660	16.78
Drilling and boring machine tool setters, operators, and tenders, metal and plastic.....	33,550	14.83	30,850	15.64
Semiconductor processors.....	32,230	15.49	32,230	16.43
Forging machine setters, operators, and tenders, metal and plastic.....	28,800	14.90	31,000	15.56
Milling and planing machine setters, operators, and tenders, metal and plastic.....	26,220	16.00	33,270	16.56
Jewelers and precious stone and metal workers.....	24,780	15.84	32,940	17.00
Heat treating equipment setters, operators, and tenders, metal and plastic.....	23,630	15.40	32,030	15.93
Furnace, kiln, oven, drier, and kettle operators and tenders.....	22,950	15.31	31,840	15.84
Tool grinders, filers, and sharpeners.....	16,410	15.37	31,970	16.29
Pourers and casters, metal.....	15,320	15.66	32,570	16.11
Extruding and forming machine setters, operators, and tenders, synthetic and glass fibers.....	14,440	14.98	31,160	15.29
Bookbinders.....	6,150	14.92	31,040	16.33
Patternmakers, wood.....	1,930	16.35	34,010	18.61
Model makers, wood.....	1,740	15.06	31,320	17.16
<b>Installation, maintenance, and repair occupations</b>				
Maintenance and repair workers, general.....	1,305,170	16.21	33,710	17.13
Electronic home entertainment equipment installers and repairers.....	38,680	15.42	32,080	16.26
Home appliance repairers.....	37,300	16.30	33,910	17.16
Farm equipment mechanics.....	30,240	15.32	31,860	15.79
Automotive glass installers and repairers.....	18,330	15.44	32,110	15.95
Mechanical door repairers.....	17,530	16.11	33,500	17.00
Motorcycle mechanics.....	16,850	15.08	31,360	16.10
Recreational vehicle service technicians.....	13,400	15.14	31,480	16.05
Musical instrument repairers and tuners.....	5,310	15.90	33,080	17.28
<b>Construction and extraction occupations</b>				
Painters, construction and maintenance.....	250,310	15.85	32,960	17.56
Highway maintenance workers.....	136,420	16.35	34,000	16.84
Roofers.....	120,200	16.17	33,630	18.00
Paving, surfacing, and tamping equipment operators.....	61,230	16.00	33,270	17.54
Construction and related workers, all other.....	55,820	15.65	32,550	16.91
Pipelayers.....	54,440	15.72	32,710	17.45
Insulation workers, floor, ceiling, and wall.....	28,390	15.34	31,900	16.79
Helpers--extraction workers.....	25,550	15.74	32,730	16.36
Septic tank servicers and sewer pipe cleaners.....	24,730	16.19	33,680	17.09
Floor sanders and finishers.....	8,220	15.41	32,050	16.93
<b>Education, training, and library occupations</b>				
Teachers and instructors, all other.....	574,540	( <sup>3</sup> )	31,100	( <sup>3</sup> )

See footnotes at end of table.

**Table 4. National employment and wage data for occupations with wages near the all-occupations median, May 2008—Continued**

Occupation <sup>1</sup>	Employment	Median wages		Mean hourly wages
		Hourly	Annual <sup>2</sup>	
<b>Transportation and material moving occupations</b>				
Bus drivers, transit and intercity.....	184,160	16.32	33,940	17.16
Refuse and recyclable material collectors.....	129,080	14.93	31,050	15.76
Transportation workers, all other.....	43,330	15.87	33,000	17.11
Material moving workers, all other.....	41,140	15.68	32,620	16.68
Rail yard engineers, dinkey operators, and hostlers.....	5,480	15.68	32,610	16.76
Motorboat operators.....	3,380	15.34	31,910	17.54
<b>Healthcare support occupations</b>				
Dental assistants.....	293,090	15.57	32,380	15.95
Medical transcriptionists.....	86,200	15.41	32,060	15.84
<b>Building and grounds cleaning and maintenance occupations</b>				
First-line supervisors/managers of housekeeping and janitorial workers.....	183,560	16.34	33,980	17.46
<b>Community and social services occupations</b>				
Rehabilitation counselors.....	112,700	14.87	30,930	16.64
<b>Healthcare practitioner and technical occupations</b>				
Opticians, dispensing.....	59,470	15.77	32,810	16.85
<b>Life, physical, and social science occupations</b>				
Forest and conservation technicians.....	30,850	15.39	32,000	16.98
Agricultural and food science technicians.....	18,930	16.34	33,990	17.53
<b>Farming, fishing, and forestry occupations</b>				
Logging equipment operators.....	27,010	15.18	31,580	15.76
Logging workers, all other.....	5,180	15.96	33,190	15.82
Log graders and scalers.....	3,610	15.64	32,520	16.51
Farm labor contractors.....	1,110	16.10	33,500	17.62
<b>Arts, design, entertainment, sports, and media occupations</b>				
Broadcast technicians.....	33,550	15.82	32,900	18.30
<b>Protective service occupations</b>				
Parking enforcement workers.....	9,530	15.57	32,390	16.36
Forest fire inspectors and prevention specialists.....	1,580	15.09	31,380	17.50

<sup>1</sup> Occupations shown have wages within plus or minus 5 percent of the all-occupation median. Occupations with employment less than 1,000 are not shown. Major groups are ranked from highest to lowest total employment in occupations paying near the median wage. Within each group, occupations are shown in order of highest to lowest employment.

<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 5. National employment and wages for bookkeeping, accounting, and auditing clerks by industry, May 2008**

Industry	Employment	Percent of occupational employment	Median wages		Mean hourly wage
			Hourly	Annual	
Total, all industries <sup>1</sup> .....	1,855,010	100.0	\$15.63	\$32,510	\$16.25
Accounting, tax preparation, bookkeeping, and payroll services.....	100,300	5.4	15.21	31,640	15.88
Management of companies and enterprises.....	80,020	4.3	16.17	33,640	16.73
Local government <sup>2</sup> .....	75,540	4.1	16.19	33,680	16.58
Depository credit intermediation.....	56,940	3.1	14.43	30,010	15.01
Building equipment contractors.....	43,400	2.3	16.22	33,740	16.84

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

<sup>2</sup> OES designation. Includes all activities carried out by local government except schools and hospitals.

**Table 6. National employment and wages for the 10 largest occupations in the accounting, tax preparation, bookkeeping, and payroll services industry, May 2008**

Occupation	Employment	Percent of industry employment	Median wages		Mean hourly wage
			Hourly	Annual	
<b>Accounting, tax preparation, bookkeeping, and payroll services (NAICS 541200)</b>					
Accountants and auditors.....	286,110	32.6	\$29.56	\$61,480	\$34.74
Bookkeeping, accounting, and auditing clerks.....	100,300	11.4	15.21	31,640	15.88
Tax preparers.....	61,160	7.0	14.01	29,150	16.89
Office clerks, general .....	37,580	4.3	11.24	23,370	12.05
Billing and posting clerks and machine operators.....	37,160	4.2	14.57	30,300	15.35
Secretaries, except legal, medical, and executive.....	33,860	3.9	13.58	28,240	13.91
Executive secretaries and administrative assistants.....	25,870	3.0	19.34	40,230	20.41
Payroll and timekeeping clerks.....	24,030	2.7	16.91	35,180	17.24
Bill and account collectors.....	19,320	2.2	15.66	32,580	16.58
First-line supervisors/managers of office and administrative support workers.....	17,710	2.0	23.57	49,020	25.23

**Table 7. States with highest employment and highest employment concentration in selected occupations, May 2008**

Highest employment				Highest employment concentration			
State	Employment	Employment per 1,000 jobs <sup>1</sup>	Hourly median wage	State	Employment	Employment per 1,000 jobs <sup>1</sup>	Hourly median wage
Welders, cutters, solderers, and brazers							
Texas .....	53,530	5.2	\$15.82	Wyoming .....	2,630	9.3	\$21.29
California .....	28,340	1.9	16.01	Louisiana .....	15,540	8.2	18.38
Pennsylvania .....	16,860	3.0	16.42	Oklahoma .....	11,560	7.4	14.69
Illinois .....	16,810	2.8	16.12	North Dakota .....	2,470	7.0	16.88
Louisiana .....	15,540	8.2	18.38	South Dakota .....	2,480	6.3	13.83
Insurance claims and policy processing clerks							
California .....	33,630	2.2	\$17.33	Connecticut .....	7,030	4.1	\$18.75
Texas .....	14,300	1.4	15.34	Nebraska .....	3,730	4.0	14.66
Ohio .....	12,540	2.4	15.80	South Dakota .....	1,290	3.3	12.08
New York .....	12,140	1.4	17.04	Maine.....	1,760	2.9	15.07
Pennsylvania .....	11,860	2.1	15.72	Wisconsin.....	7,120	2.6	15.11
Painters, construction and maintenance							
California .....	37,000	2.4	\$18.76	Nevada .....	4,000	3.1	\$19.09
Florida .....	20,600	2.6	14.48	Hawaii.....	1,910	3.1	23.14
Texas .....	18,440	1.8	13.82	Washington.....	8,890	3.1	15.85
New York .....	14,370	1.7	19.83	Louisiana .....	5,860	3.1	14.87
Illinois .....	9,890	1.7	20.90	Oregon.....	4,800	2.8	14.62
Dental assistants							
California .....	46,690	3.1	\$15.51	Utah.....	4,380	3.6	\$12.80
Texas .....	18,960	1.8	14.90	Washington.....	9,310	3.3	17.61
New York .....	16,210	1.9	15.58	California .....	46,690	3.1	15.51
Florida .....	15,000	1.9	16.00	Idaho.....	1,860	2.9	13.96
Illinois .....	12,370	2.1	15.11	Alaska.....	830	2.7	19.97

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

**Table 8. Metropolitan areas or divisions with highest employment and highest employment concentration in selected occupations, May 2008**

Highest employment				Highest employment concentration			
Metropolitan area or division	Employment	Employment per 1,000 jobs <sup>1</sup>	Hourly median wage	Metropolitan area or division	Employment	Employment per 1,000 jobs <sup>1</sup>	Hourly median wage
Welders, cutters, solderers, and brazers							
Houston-Sugar Land-Baytown, TX .....	19,040	7.4	\$17.09	Houma-Bayou Cane-Thibodaux, LA .....	2,670	28.3	\$18.09
Los Angeles-Long Beach-Glendale, CA metropolitan division .....	7,740	1.9	14.36	Peoria, IL .....	3,080	16.9	15.44
Chicago-Naperville-Joliet, IL metropolitan division .....	7,360	1.9	16.16	Odessa, TX .....	1,010	16.9	16.97
Dallas-Plano-Irving, TX metropolitan division .....	5,740	2.7	14.66	Casper, WY .....	640	15.8	18.52
Atlanta-Sandy Springs-Marietta, GA .....	5,150	2.1	15.39	Beaumont-Port Arthur, TX .....	2,370	14.8	18.63
Insurance claims and policy processing clerks							
Los Angeles-Long Beach-Glendale, CA metropolitan division .....	9,410	2.3	\$15.30	Wausau, WI .....	750	10.8	\$14.21
Chicago-Naperville-Joliet, IL metropolitan division .....	5,390	1.4	17.85	Macon, GA .....	790	8.0	14.39
New York-White Plains-Wayne, NY-NJ metropolitan division .....	5,220	1.0	18.56	Lewiston-Auburn, ME metropolitan NECTA .....	370	7.6	15.70
Dallas-Plano-Irving, TX metropolitan division .....	4,620	2.2	15.97	Hartford-West Hartford-East Hartford, CT metropolitan NECTA .....	4,250	7.4	18.99
Boston-Cambridge-Quincy, MA NECTA division .....	4,580	2.7	19.30	Chattanooga, TN-GA .....	1,700	7.3	15.00
Painters, construction and maintenance							
New York-White Plains-Wayne, NY-NJ metropolitan division .....	8,400	1.6	\$20.31	Naples-Marco Island, FL .....	1,010	8.1	\$14.78
Los Angeles-Long Beach-Glendale, CA metropolitan division .....	7,290	1.8	17.45	Beaumont-Port Arthur, TX .....	1,200	7.5	14.49
Chicago-Naperville-Joliet, IL metropolitan division .....	6,330	1.7	21.85	Bremerton-Silverdale, WA .....	600	7.3	21.77
Houston-Sugar Land-Baytown, TX .....	5,700	2.2	14.41	Jacksonville, NC .....	270	6.4	13.46
Phoenix-Mesa-Scottsdale, AZ .....	5,250	2.8	14.41	Bend, OR .....	410	6.0	14.13
Dental assistants							
Los Angeles-Long Beach-Glendale, CA metropolitan division .....	11,340	2.7	\$13.96	Hanford-Corcoran, CA .....	180	4.6	\$14.23
New York-White Plains-Wayne, NY-NJ metropolitan division .....	9,510	1.8	15.68	Chico, CA .....	330	4.6	13.10
Chicago-Naperville-Joliet, IL metropolitan division .....	8,230	2.2	15.39	Vallejo-Fairfield, CA .....	540	4.3	17.00
Santa Ana-Anaheim-Irvine, CA metropolitan division .....	5,480	3.6	14.99	Yuba City, CA .....	170	4.3	15.10
Houston-Sugar Land-Baytown, TX .....	4,840	1.9	15.80	Provo-Orem, UT .....	760	4.2	12.17

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