

News

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OCCUPATIONAL EMPLOYMENT AND WAGES, NOVEMBER 2004

Management and legal occupational groups were the two highest paying of the 22 major occupational groups in November 2004, according to the Bureau of Labor Statistics of the U.S. Department of Labor. Over 30 percent of the workers in these occupational groups earned more than \$43.75 per hour. (See table A.) The major occupational group with the highest employment level in November 2004 was office and administrative support workers, followed by sales and related workers, food preparation and serving workers, and production workers. (See chart 1.)

Chart 1. Mean hourly wage and percent of total employment by major occupational group

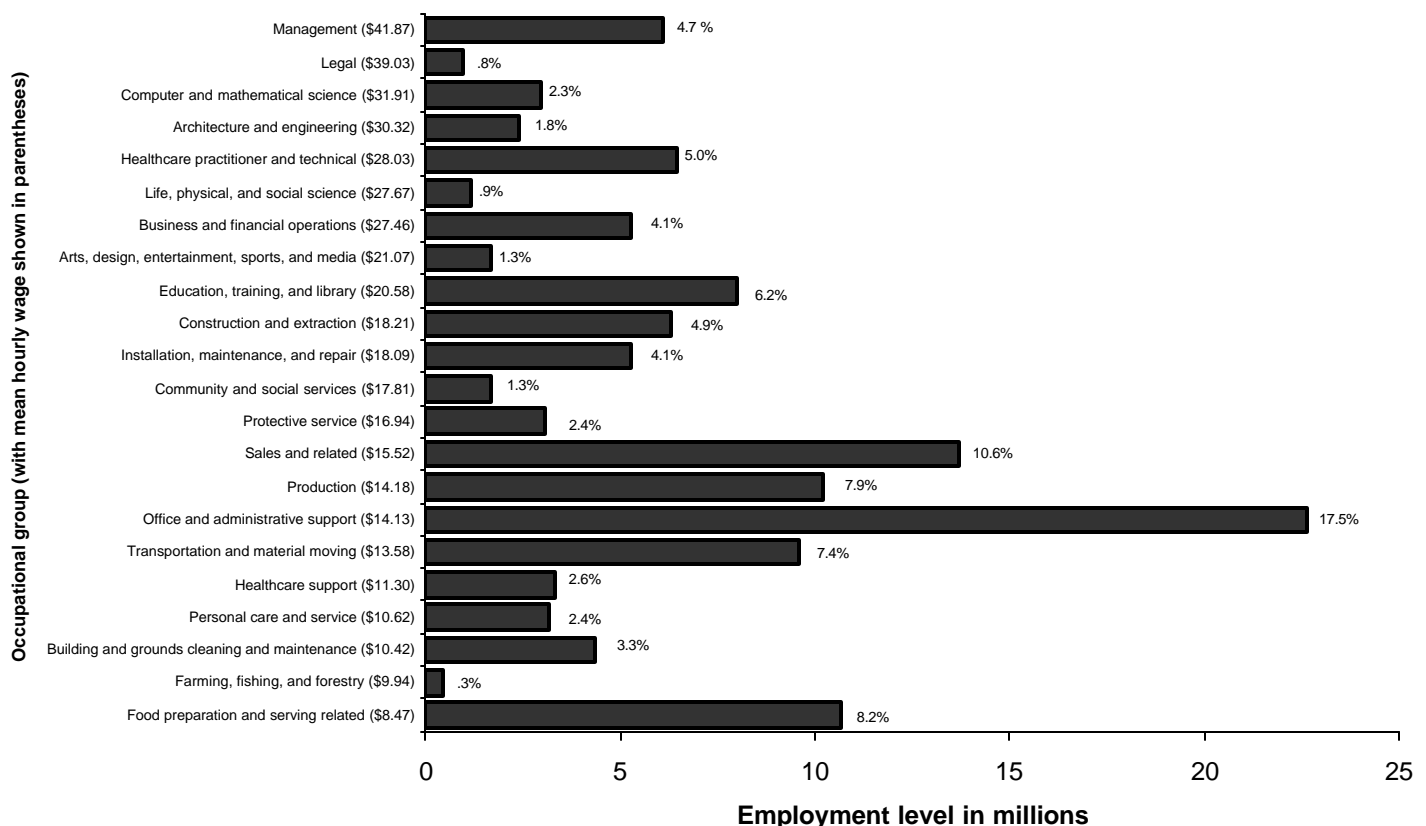


Table A. Distribution of workers in each major occupational group by wage range, November 2004
(Percent distribution)

Major occupational group	Wage range								
	Under \$8.50	\$8.50 to \$10.74	\$10.75 to \$13.49	\$13.50 to \$16.99	\$17.00 to \$21.49	\$21.50 to \$27.24	\$27.25 to \$34.49	\$34.50 to \$43.74	Over \$43.74
Management	1.1	0.9	2.2	4.7	8.2	13.0	15.9	17.8	36.4
Business and financial operations	1.4	1.9	4.8	11.4	18.8	21.6	18.1	12.0	9.9
Computer and mathematical science5	1.2	2.9	6.3	11.6	17.6	21.7	20.9	17.3
Architecture and engineering4	1.4	3.5	7.3	13.1	19.9	21.2	18.8	14.3
Life, physical, and social science	1.3	2.6	6.1	12.2	17.4	18.9	16.7	12.6	12.3
Community and social services	5.7	9.8	16.7	21.9	19.4	14.8	7.9	2.8	1.0
Legal.....	1.1	2.0	4.8	9.8	13.6	13.9	11.5	10.9	32.3
Education, training, and library	10.0	8.6	9.6	14.1	18.7	17.2	11.9	5.8	4.1
Arts, design, entertainment, sports, and media ...	12.0	9.5	11.5	15.0	16.0	13.8	9.7	6.2	6.4
Healthcare practitioner and technical	1.9	4.4	7.4	11.4	17.9	21.1	15.6	8.5	11.8
Healthcare support	21.8	30.9	24.9	14.5	5.8	1.6	.4	.1	-
Protective service	15.0	14.7	14.6	14.9	13.9	13.4	8.6	3.7	1.2
Food preparation and serving related.....	64.9	18.4	9.3	4.4	2.0	.7	.2	.1	-
Building and grounds cleaning and maintenance	39.2	25.6	17.2	10.1	5.4	1.8	.5	.1	-
Personal care and service	46.2	23.1	12.6	7.9	4.9	2.6	1.3	.7	.7
Sales and related.....	34.6	17.1	11.5	9.5	8.3	6.7	4.6	3.3	4.4
Office and administrative support.....	13.2	18.7	22.5	20.3	14.3	7.9	2.2	.7	.3
Farming, fishing, and forestry.....	53.9	19.1	11.2	7.9	4.6	2.2	.8	.3	.1
Construction and extraction	5.7	11.6	16.3	19.0	18.0	15.0	9.6	3.7	1.1
Installation, maintenance, and repair	6.1	9.9	14.3	19.3	21.3	17.6	8.5	2.4	.7
Production	16.0	19.2	20.4	18.4	12.9	8.7	3.2	.9	.2
Transportation and material moving.....	24.4	19.2	18.1	15.7	11.9	6.6	2.2	.8	1.0

These estimates for wage and salary workers are from the Occupational Employment Statistics (OES) survey, a federal-state cooperative program between BLS and State Workforce Agencies. The OES survey provides national, state, and metropolitan area estimates of employment, hourly wages, and annual wages for 22 major occupational groups and for all 801 non-military detailed occupations, as defined by the Standard Occupational Classification (SOC) system. Table B displays the number of detailed occupations within each major occupational group, as well as the level and distribution of employment across the occupational groups.

The two smallest occupational groups in terms of employment were the farming, fishing, and forestry and legal occupations. The major occupational groups with the lowest average wages were food preparation and serving related; farming, fishing, and forestry; building and grounds cleaning and maintenance; and personal care and service. At least 39 percent of all workers in each of these groups earned less than \$8.50 per hour.

Major groups in which 50 percent or more of the employment was concentrated in the middle three wage ranges (mean hourly wages from \$13.50 to \$27.24) included business and financial operations occupations; community and social services occupations; education, training, and library occupations;

Table B. Number of detailed occupations in each major occupational group and group employment distribution, November 2004

Major occupational group	Occupations		Employment	
	Number	Percent of total	Number	Percent of total
Total	801	100.0	129,146,680	100.0
Management	34	4.2	6,085,780	4.7
Business and financial operations	30	3.7	5,253,720	4.1
Computer and mathematical science	16	2.0	2,932,790	2.3
Architecture and engineering	35	4.4	2,385,680	1.8
Life, physical, and social science	44	5.5	1,144,240	.9
Community and social services	17	2.1	1,680,750	1.3
Legal.....	9	1.1	973,970	.8
Education, training, and library	61	7.6	7,969,800	6.2
Arts, design, entertainment, sports, and media ...	41	5.1	1,645,870	1.3
Healthcare practitioner and technical	53	6.6	6,469,920	5.0
Healthcare support	15	1.9	3,307,150	2.6
Protective service	21	2.6	3,059,090	2.4
Food preparation and serving related.....	18	2.2	10,637,260	8.2
Building and grounds cleaning and maintenance	10	1.2	4,323,430	3.3
Personal care and service	34	4.2	3,154,670	2.4
Sales and related.....	22	2.7	13,713,710	10.6
Office and administrative support.....	55	6.9	22,622,500	17.5
Farming, fishing, and forestry.....	16	2.0	444,870	.3
Construction and extraction	59	7.4	6,303,180	4.9
Installation, maintenance, and repair	51	6.4	5,246,720	4.1
Production	110	13.7	10,194,200	7.9
Transportation and material moving	50	6.2	9,597,380	7.4

healthcare practitioner and technical occupations; construction and extraction occupations; and installation, maintenance, and repair occupations.

The sales occupations group contained the two largest occupations in the United States in November 2004. Retail salespersons and cashiers accounted for about 4.3 and 3.5 million workers, respectively. Other detailed occupations with more than 2 million workers were general office clerks; hand laborers and material movers; registered nurses; waiters and waitresses; combined food preparation and serving workers, including fast food; janitors and cleaners, except maids and housekeeping cleaners; and customer service representatives. Among these large occupations, registered nurses had the highest average hourly earnings—\$26.77. For the other large occupations, average hourly earnings ranged from \$7.42 for combined food preparation and serving workers, including fast food to \$14.11 for customer service representatives. (See table 1.)

Healthcare practitioner and technical occupations such as specialist physicians and dentists accounted for 12 out of the 14 highest-paying detailed occupations in November 2004. The average hourly wages

for these health-related occupations ranged from \$87.43 for surgeons to \$63.78 for general dentists. The lowest-paying occupation was fast food cooks, who earned \$7.32 per hour. The five lowest-paying occupations were related to food preparation and serving.

Table 1 shows national cross-industry employment and wage estimates for detailed occupations within each major group. The OES program also provides national occupational employment and wage data by detailed industry, and cross-industry estimates for all states and all of the 334 U.S. metropolitan areas. The OES survey is based on a sample of 1.2 million establishments, collecting information on over 80 million workers in 6 semiannual panels. Employment and wage data for states and metropolitan areas are now available on <http://www.bls.gov/oes/current/oesrcst.htm>. National data for over 300 industries are available on <http://www.bls.gov/oes/current/oesrci.htm>.

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 1.2 million establishments. Forms are mailed to about 200,000 establishments in May and November of each year for a 3-year period. The nationwide response rate for the November 2004 survey was 78.7 percent for establishments, covering 73.0 percent of employment. The survey included establishments sampled in the November 2004, May 2004, November 2003, May 2003, and November 2002 semiannual panels and about half of the 2001 annual panel.

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 in 1 of 801 detailed occupations. Together, these detailed occupations comprise 23 major occupational groups, one of which—military specific occupations—is 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/home.htm>.

The industry coding system

The OES survey uses the North American Industry Classification System (NAICS). For more information about NAICS, see the BLS Web site at <http://www.bls.gov/bls/naics.htm>.

The OES survey includes establishments in NAICS sectors 11 (logging and agricultural support activities only), 21, 22, 23, 31-33, 42, 44-45, 48-49, 51, 52, 53, 54, 55, 56, 61, 62, 71, 72, 81 (except private households), state government, and local government. The federal government and the U.S. Postal Service 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, and metropolitan statistical areas (MSAs). 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; the 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 area, industry, and employment size.

A census of federal government and the U.S. Postal Service is taken every panel. A census of state government and Hawaii's local government is taken every November panel. Units in rail transportation (NAICS 482), hospitals (NAICS 622), and state-owned educational services (NAICS 611) are sampled with certainty across a 3-year period. Establishments with 250 or more employees are sampled with virtual certainty across a 3-year period with about one-sixth sampled in each panel.

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 form sent to establishments with more than 10 workers contains 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. Employers with 10 or fewer 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, non-production 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 November 2004 survey are as follows:

Interval	Wages	
	Hourly	Annual
Range A	Under \$6.75	Under \$14,040
Range B	\$6.75 to \$8.49	\$14,040 to \$17,679
Range C	\$8.50 to \$10.74	\$17,680 to \$22,359
Range D	\$10.75 to \$13.49	\$22,360 to \$28,079
Range E	\$13.50 to \$16.99	\$28,080 to \$35,359
Range F	\$17.00 to \$21.49	\$35,360 to \$44,719
Range G	\$21.50 to \$27.24	\$44,720 to \$56,679
Range H	\$27.25 to \$34.49	\$56,680 to \$71,759
Range I	\$34.50 to \$43.74	\$71,760 to \$90,999
Range J	\$43.75 to \$55.49	\$91,000 to \$115,439
Range K	\$55.50 to \$69.99	\$115,440 to \$145,599
Range L	\$70.00 and over	\$145,600 and over

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

The mean hourly wage value for the highest wage interval, \$70.00 and over, was computed separately for NCS data from 2004, 2003, 2002, and 2001. The average of these mean wage rates was used for all of the \$70.00 and over data in the November 2004 survey. The wage rates for this interval do not go through any wage updating procedures.

Percentile wage. The p-th percentile wage range 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 full time, 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 full time, year round. For these workers, only an hourly wage is reported.

Hourly versus annual wage reporting. For each occupation, respondents are asked to report the number of employees paid within specific wage intervals. The intervals are defined both as hourly rates and the corresponding annual rates, where the annual rate for an occupation is calculated by multiplying the hourly wage rate by a typical work year of 2,080 hours. The responding establishment can reference either the hourly or the annual rate for full-time workers, but they are instructed to report the hourly rate for part-time workers.

Estimation methodology

Each OES panel includes approximately 200,000 establishments. The OES survey is designed to produce estimates using six panels (3 years) of data. The full six-panel sample of 1.2 million establishments allows the production of estimates at detailed levels of geography, industry, and occupation. Combining six panels of data also is necessary to obtain the full complement of certainty establishments. (Note: The first semiannual panel was in November 2002. Prior to that, about 400,000 establishments were surveyed annually. Each earlier sample is a two-panel equivalent.)

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.

Imputation. Over 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, weights are adjusted when six panels are combined. Weights are adjusted by benchmarking employment totals from the OES survey to employment figures derived from the BLS Quarterly Census of Employment and Wages.

November 2004 OES survey estimates. The November 2004 OES survey estimates are based on all data collected from establishments in the November 2004, May 2004, November 2003, May 2003, and November 2002 semiannual samples and about half of the 2001 annual sample. During estimates processing, OES employment data were benchmarked to the average employment for November 2004 and May 2004 from the BLS Quarterly Census of Employment and Wages.

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, mistakes made in entering collected data into the database, and mistakes made in editing and processing the collected data.

Additional information

The November 2004 OES national data by occupation, comparable to data in table 1, will be available soon on the BLS Web site at <http://www.bls.gov/oes/>. Users also may access each occupation's definition and percentile wages. The November 2004 cross-industry data for states and metropolitan areas will be available on the BLS Web site in November 2005. Industry staffing patterns at the sector, 3-, 4-, and selected 5-digit NAICS levels also will be available from the Internet beginning in November 2005. These data will include industry-specific occupational employment and wage data.

For additional information, contact the Office of Employment and Unemployment Statistics, Division of Occupational Employment Statistics, Room 2135, 2 Massachusetts Avenue, NE, Washington, DC, 20212; telephone 202-691-6569 (e-mail: oesinfo@bls.gov).

Information in this release will be made available to sensory impaired individuals upon request. Voice phone: 202-691-5200; TDD message referral phone number: 1-800-877-8339.

Table 1. National employment and wage data from the Occupational Employment Statistics survey by occupation, November 2004

Occupation	Employment	Mean wages		Median hourly wages
		Hourly	Annual ¹	
Management occupations				
Chief executives.....	334,960	\$67.73	\$140,880	\$68.18
General and operations managers.....	1,704,110	44.99	93,580	38.13
Legislators.....	61,180	(?)	31,700	(?)
Advertising and promotions managers.....	49,220	38.11	79,260	32.00
Marketing managers.....	172,300	48.09	100,020	43.49
Sales managers.....	318,470	46.61	96,950	41.34
Public relations managers.....	47,640	40.14	83,490	35.56
Administrative services managers.....	248,980	32.75	68,120	29.95
Computer and information systems managers.....	264,190	48.13	100,110	45.38
Financial managers.....	489,170	45.28	94,180	40.28
Compensation and benefits managers.....	53,320	36.02	74,930	32.23
Training and development managers.....	32,610	36.98	76,920	33.86
Human resources managers, all other.....	58,610	42.66	88,740	39.78
Industrial production managers.....	156,270	38.77	80,640	35.63
Purchasing managers.....	72,120	38.27	79,610	35.72
Transportation, storage, and distribution managers.....	86,740	35.12	73,050	32.36
Farm, ranch, and other agricultural managers.....	4,660	26.39	54,900	24.38
Farmers and ranchers.....	430	20.22	42,050	18.56
Construction managers.....	188,750	38.50	80,070	34.02
Education administrators, preschool and child care center/program.....	49,190	19.90	41,400	17.35
Education administrators, elementary and secondary school.....	208,980	(?)	76,050	(?)
Education administrators, postsecondary.....	102,880	37.30	77,580	33.36
Education administrators, all other.....	23,560	32.99	68,610	30.07
Engineering managers.....	188,620	50.10	104,210	47.60
Food service managers.....	205,400	21.73	45,200	19.52
Funeral directors.....	22,780	26.58	55,280	22.39
Gaming managers.....	3,580	32.03	66,620	28.79
Lodging managers.....	30,330	21.98	45,720	18.80
Medical and health services managers.....	227,980	36.46	75,830	32.85
Natural sciences managers.....	40,250	46.90	97,560	43.31
Postmasters and mail superintendents.....	26,610	24.42	50,790	24.29
Property, real estate, and community association managers.....	152,590	24.21	50,350	19.97
Social and community service managers.....	115,760	25.34	52,700	23.24
Managers, all other.....	343,530	39.82	82,820	37.66
Business and financial operations occupations				
Agents and business managers of artists, performers, and athletes.....	10,030	34.24	71,210	26.51
Purchasing agents and buyers, farm products.....	13,180	24.83	51,650	21.46
Wholesale and retail buyers, except farm products.....	135,560	23.18	48,220	20.28
Purchasing agents, except wholesale, retail, and farm products.....	263,140	24.93	51,860	23.25
Claims adjusters, examiners, and investigators.....	245,610	23.60	49,080	22.14
Insurance appraisers, auto damage.....	13,080	23.29	48,450	22.98
Compliance officers, except agriculture, construction, health and safety, and transportation.....	158,890	25.28	52,580	23.33
Cost estimators.....	195,270	26.38	54,870	24.48
Emergency management specialists.....	10,880	23.91	49,730	21.96
Employment, recruitment, and placement specialists.....	173,160	22.81	47,440	19.80
Compensation, benefits, and job analysis specialists.....	95,800	24.75	51,480	23.42
Training and development specialists.....	206,140	23.25	48,360	21.81
Human resources, training, and labor relations specialists, all other.....	168,580	23.83	49,570	22.88
Logisticians.....	52,210	30.08	62,570	28.59
Management analysts.....	424,740	35.32	73,460	31.04
Meeting and convention planners.....	37,170	20.82	43,300	19.38
Business operations specialists, all other.....	880,960	28.14	58,530	25.90
Accountants and auditors.....	1,007,760	27.48	57,160	24.67
Appraisers and assessors of real estate.....	62,320	24.17	50,280	21.05
Budget analysts.....	54,940	28.99	60,290	27.49
Credit analysts.....	64,630	27.67	57,560	23.46
Financial analysts.....	181,340	34.27	71,280	30.18
Personal financial advisors.....	102,120	39.93	83,060	30.03
Insurance underwriters.....	96,200	26.38	54,870	23.80
Financial examiners.....	22,610	31.54	65,600	29.07
Loan counselors.....	27,290	19.27	40,070	16.74
Loan officers.....	305,330	28.59	59,470	23.64
Tax examiners, collectors, and revenue agents.....	70,780	23.44	48,750	21.15
Tax preparers.....	53,790	15.39	32,000	12.56
Financial specialists, all other.....	120,240	26.87	55,890	24.17
Computer and mathematical science occupations				
Computer and information scientists, research.....	26,950	43.68	90,860	42.26
Computer programmers.....	396,100	31.96	66,480	30.28
Computer software engineers, applications.....	439,720	37.78	78,570	36.69
Computer software engineers, systems software.....	321,120	40.12	83,460	39.01
Computer support specialists.....	491,680	20.99	43,660	19.54
Computer systems analysts.....	497,100	33.40	69,470	32.46
Database administrators.....	100,420	30.95	64,380	29.78

See footnotes at end of table.

Table 1. National employment and wage data from the Occupational Employment Statistics survey by occupation, November 2004—Continued

Occupation	Employment	Mean wages		Median hourly wages
		Hourly	Annual ¹	
Computer and mathematical science occupations—Continued				
Network and computer systems administrators.....	262,930	\$29.95	\$62,300	\$28.42
Network systems and data communications analysts.....	176,840	30.81	64,080	29.45
Computer specialists, all other.....	120,770	30.26	62,930	28.51
Actuaries.....	15,710	42.90	89,230	37.89
Mathematicians.....	2,660	38.98	81,080	38.95
Operations research analysts.....	53,580	30.66	63,760	28.96
Statisticians.....	17,560	30.75	63,950	28.83
Mathematical technicians.....	1,460	21.14	43,970	18.26
Mathematical scientists, all other.....	8,190	29.93	62,250	30.10
Architecture and engineering occupations				
Architects, except landscape and naval.....	96,540	32.36	67,300	29.54
Landscape architects.....	19,130	28.03	58,310	26.10
Cartographers and photogrammetrists.....	10,770	23.94	49,790	22.29
Surveyors.....	51,960	22.73	47,280	21.14
Aerospace engineers.....	79,730	40.20	83,620	39.60
Agricultural engineers.....	3,200	30.30	63,030	29.01
Biomedical engineers.....	10,050	35.65	74,150	33.90
Chemical engineers.....	28,590	37.51	78,030	36.78
Civil engineers.....	226,100	32.83	68,280	31.38
Computer hardware engineers.....	79,670	41.13	85,540	39.78
Electrical engineers.....	147,120	36.32	75,540	34.99
Electronics engineers, except computer.....	133,410	37.80	78,620	36.93
Environmental engineers.....	50,120	33.27	69,200	32.51
Health and safety engineers, except mining safety engineers and inspectors.....	25,910	32.09	66,750	30.92
Industrial engineers.....	184,900	32.61	67,820	31.77
Marine engineers and naval architects.....	6,250	35.30	73,410	34.84
Materials engineers.....	20,940	33.99	70,700	32.97
Mechanical engineers.....	219,040	33.41	69,480	32.32
Mining and geological engineers, including mining safety engineers.....	5,480	35.87	74,610	33.35
Nuclear engineers.....	15,870	42.94	89,320	41.52
Petroleum engineers.....	14,790	44.64	92,840	43.29
Engineers, all other.....	153,090	36.88	76,720	36.59
Architectural and civil drafters.....	99,640	20.02	41,650	19.15
Electrical and electronics drafters.....	31,920	23.06	47,970	21.23
Mechanical drafters.....	75,930	21.98	45,720	20.91
Drafters, all other.....	22,080	22.74	47,300	20.89
Aerospace engineering and operations technicians.....	9,900	25.93	53,930	25.03
Civil engineering technicians.....	90,890	19.31	40,170	18.58
Electrical and electronic engineering technicians.....	173,690	23.04	47,920	22.66
Electro-mechanical technicians.....	16,890	21.12	43,930	20.28
Environmental engineering technicians.....	19,720	20.17	41,950	19.22
Industrial engineering technicians.....	74,790	23.87	49,660	21.92
Mechanical engineering technicians.....	45,600	22.00	45,750	21.17
Engineering technicians, except drafters, all other.....	82,180	24.83	51,640	24.86
Surveying and mapping technicians.....	59,800	15.97	33,220	14.91
Life, physical, and social science occupations				
Animal scientists.....	2,940	22.91	47,660	20.76
Food scientists and technologists.....	7,270	27.21	56,600	24.67
Soil and plant scientists.....	10,260	27.35	56,900	25.60
Biochemists and biophysicists.....	16,340	34.69	72,160	33.03
Microbiologists.....	14,660	29.70	61,770	26.58
Zoologists and wildlife biologists.....	15,750	25.92	53,920	24.36
Biological scientists, all other.....	25,220	30.20	62,820	28.32
Conservation scientists.....	15,150	25.69	53,440	25.16
Foresters.....	10,070	24.44	50,840	23.46
Epidemiologists.....	3,520	27.20	56,580	25.25
Medical scientists, except epidemiologists.....	74,860	32.81	68,240	28.96
Life scientists, all other.....	12,390	30.37	63,180	27.23
Astronomers.....	840	46.53	96,780	47.65
Physicists.....	14,500	43.02	89,490	42.06
Atmospheric and space scientists.....	7,170	34.00	70,730	34.35
Chemists.....	78,360	30.00	62,400	27.45
Materials scientists.....	7,470	35.23	73,270	33.85
Environmental scientists and specialists, including health.....	69,990	27.06	56,280	24.98
Geoscientists, except hydrologists and geographers.....	26,440	37.45	77,890	33.74
Hydrologists.....	7,520	30.83	64,130	29.27
Physical scientists, all other.....	25,110	39.86	82,900	38.71
Economists.....	12,250	38.23	79,520	34.79
Market research analysts.....	184,050	30.83	64,130	27.48
Survey researchers.....	19,180	16.15	33,590	13.42
Clinical, counseling, and school psychologists.....	98,430	30.45	63,340	27.10
Industrial-organizational psychologists.....	1,480	39.43	82,010	35.61
Psychologists, all other.....	6,240	33.79	70,280	35.05

See footnotes at end of table.

Table 1. National employment and wage data from the Occupational Employment Statistics survey by occupation, November 2004—Continued

Occupation	Employment	Mean wages		Median hourly wages
		Hourly	Annual ¹	
Life, physical, and social science occupations—Continued				
Sociologists.....	3,980	\$30.54	\$63,530	\$27.30
Urban and regional planners.....	30,950	27.42	57,030	26.25
Anthropologists and archeologists.....	4,540	23.15	48,150	21.45
Geographers.....	760	30.11	62,630	29.58
Historians.....	2,480	23.74	49,390	21.61
Political scientists.....	4,490	41.06	85,400	41.57
Social scientists and related workers, all other.....	30,170	30.65	63,750	29.62
Agricultural and food science technicians.....	18,950	15.68	32,620	14.73
Biological technicians.....	61,080	17.56	36,520	16.51
Chemical technicians.....	61,350	19.25	40,040	18.57
Geological and petroleum technicians.....	11,660	22.83	47,480	20.06
Nuclear technicians.....	7,030	28.94	60,200	29.37
Social science research assistants.....	14,990	16.83	35,010	16.04
Environmental science and protection technicians, including health.....	30,670	18.02	37,480	17.06
Forensic science technicians.....	10,270	22.87	47,560	21.35
Forest and conservation technicians.....	17,900	16.73	34,800	15.99
Life, physical, and social science technicians, all other.....	65,530	21.28	44,260	18.95
Community and social services occupations				
Substance abuse and behavioral disorder counselors.....	70,400	16.91	35,170	15.69
Educational, vocational, and school counselors.....	214,350	23.12	48,100	22.19
Marriage and family therapists.....	20,060	20.89	43,450	19.44
Mental health counselors.....	89,260	17.61	36,630	16.06
Rehabilitation counselors.....	116,560	14.82	30,820	13.41
Counselors, all other.....	21,120	18.46	38,400	17.21
Child, family, and school social workers.....	255,300	18.40	38,280	16.83
Medical and public health social workers.....	108,290	20.32	42,250	19.60
Mental health and substance abuse social workers.....	115,810	17.61	36,620	16.50
Social workers, all other.....	62,120	20.05	41,710	19.28
Health educators.....	49,300	20.74	43,150	19.07
Probation officers and correctional treatment specialists.....	91,960	20.68	43,020	19.11
Social and human service assistants.....	318,120	12.64	26,300	11.89
Community and social service specialists, all other.....	92,760	16.77	34,880	15.74
Clergy.....	35,120	19.81	41,210	18.21
Directors, religious activities and education.....	13,360	16.19	33,680	14.77
Religious workers, all other.....	6,860	12.73	26,490	10.49
Legal occupations				
Lawyers.....	528,270	53.17	110,590	46.83
Administrative law judges, adjudicators, and hearing officers.....	15,510	35.38	73,580	33.04
Arbitrators, mediators, and conciliators.....	5,150	28.76	59,820	25.81
Judges, magistrate judges, and magistrates.....	25,000	44.28	92,100	46.76
Paralegals and legal assistants.....	215,280	20.55	42,740	19.45
Court reporters.....	16,260	22.43	46,650	20.54
Law clerks.....	41,340	17.27	35,930	16.61
Title examiners, abstractors, and searchers.....	57,930	18.95	39,420	16.72
Legal support workers, all other.....	69,220	21.95	45,650	20.38
Education, training, and library occupations				
Business teachers, postsecondary.....	66,760	(²)	66,760	(²)
Computer science teachers, postsecondary.....	37,800	(²)	59,200	(²)
Mathematical science teachers, postsecondary.....	45,820	(²)	58,090	(²)
Architecture teachers, postsecondary.....	5,720	(²)	65,910	(²)
Engineering teachers, postsecondary.....	34,410	(²)	78,900	(²)
Agricultural sciences teachers, postsecondary.....	11,550	(²)	72,800	(²)
Biological science teachers, postsecondary.....	59,000	(²)	77,920	(²)
Forestry and conservation science teachers, postsecondary.....	2,980	(²)	66,780	(²)
Atmospheric, earth, marine, and space sciences teachers, postsecondary.....	8,830	(²)	70,650	(²)
Chemistry teachers, postsecondary.....	19,380	(²)	64,880	(²)
Environmental science teachers, postsecondary.....	4,170	(²)	65,860	(²)
Physics teachers, postsecondary.....	13,160	(²)	70,490	(²)
Anthropology and archeology teachers, postsecondary.....	5,100	(²)	66,050	(²)
Area, ethnic, and cultural studies teachers, postsecondary.....	7,580	(²)	62,360	(²)
Economics teachers, postsecondary.....	12,460	(²)	74,060	(²)
Geography teachers, postsecondary.....	4,220	(²)	61,120	(²)
Political science teachers, postsecondary.....	13,530	(²)	65,510	(²)
Psychology teachers, postsecondary.....	29,860	(²)	61,380	(²)
Sociology teachers, postsecondary.....	14,680	(²)	59,490	(²)
Social sciences teachers, postsecondary, all other.....	5,920	(²)	69,230	(²)
Health specialties teachers, postsecondary.....	108,800	(²)	82,420	(²)
Nursing instructors and teachers, postsecondary.....	36,110	(²)	56,300	(²)
Education teachers, postsecondary.....	48,670	(²)	54,550	(²)
Library science teachers, postsecondary.....	3,780	(²)	55,300	(²)
Criminal justice and law enforcement teachers, postsecondary.....	9,770	(²)	52,660	(²)
Law teachers, postsecondary.....	13,090	(²)	95,570	(²)
Social work teachers, postsecondary.....	7,200	(²)	55,900	(²)
Art, drama, and music teachers, postsecondary.....	65,620	(²)	53,360	(²)

See footnotes at end of table.

Table 1. National employment and wage data from the Occupational Employment Statistics survey by occupation, November 2004—Continued

Occupation	Employment	Mean wages		Median hourly wages
		Hourly	Annual ¹	
Education, training, and library occupations—Continued				
Communications teachers, postsecondary.....	21,340	(?)	\$53,770	(?)
English language and literature teachers, postsecondary.....	58,550	(?)	53,090	(?)
Foreign language and literature teachers, postsecondary.....	23,240	(?)	52,700	(?)
History teachers, postsecondary.....	20,010	(?)	58,910	(?)
Philosophy and religion teachers, postsecondary.....	17,940	(?)	57,480	(?)
Graduate teaching assistants.....	119,180	(?)	28,460	(?)
Home economics teachers, postsecondary.....	4,060	(?)	50,980	(?)
Recreation and fitness studies teachers, postsecondary.....	16,150	(?)	48,380	(?)
Vocational education teachers, postsecondary.....	108,540	21.29	44,280	19.79
Postsecondary teachers, all other.....	257,650	31.57	65,660	28.34
Preschool teachers, except special education.....	350,000	11.81	24,560	10.36
Kindergarten teachers, except special education.....	164,800	(?)	44,940	(?)
Elementary school teachers, except special education.....	1,431,380	(?)	46,350	(?)
Middle school teachers, except special and vocational education.....	626,110	(?)	47,170	(?)
Vocational education teachers, middle school.....	16,020	(?)	46,350	(?)
Secondary school teachers, except special and vocational education.....	1,026,050	(?)	48,980	(?)
Vocational education teachers, secondary school.....	100,200	(?)	48,840	(?)
Special education teachers, preschool, kindergarten, and elementary school.....	205,830	(?)	47,360	(?)
Special education teachers, middle school.....	101,080	(?)	49,750	(?)
Special education teachers, secondary school.....	135,280	(?)	50,360	(?)
Adult literacy, remedial education, and GED teachers and instructors.....	66,560	20.91	43,500	19.10
Self-enrichment education teachers.....	141,750	17.30	35,980	15.16
Teachers and instructors, all other.....	521,220	(?)	33,040	(?)
Archivists.....	5,160	19.48	40,520	18.03
Curators.....	8,480	23.18	48,200	21.12
Museum technicians and conservators.....	8,820	17.42	36,240	15.80
Librarians.....	145,140	23.42	48,700	22.57
Library technicians.....	112,850	12.85	26,720	12.22
Audio-visual collections specialists.....	6,810	19.15	39,840	18.89
Farm and home management advisors.....	12,090	21.65	45,030	19.84
Instructional coordinators.....	109,470	25.23	52,480	24.07
Teacher assistants.....	1,260,820	(?)	20,750	(?)
Education, training, and library workers, all other.....	71,270	16.26	33,830	14.53
Arts, design, entertainment, sports, and media occupations				
Art directors.....	28,310	35.29	73,400	30.65
Craft artists.....	4,210	12.86	26,760	10.92
Fine artists, including painters, sculptors, and illustrators.....	10,320	22.22	46,210	19.83
Multi-media artists and animators.....	27,960	27.73	57,680	23.99
Artists and related workers, all other.....	5,420	18.38	38,230	15.14
Commercial and industrial designers.....	29,770	27.09	56,350	25.13
Fashion designers.....	13,190	32.90	68,430	28.88
Floral designers.....	64,780	10.64	22,120	9.99
Graphic designers.....	168,060	20.15	41,910	18.24
Interior designers.....	46,950	22.13	46,030	19.94
Merchandise displayers and window trimmers.....	63,590	12.04	25,040	10.71
Set and exhibit designers.....	8,760	19.39	40,330	17.25
Designers, all other.....	12,550	22.29	46,370	20.35
Actors.....	62,640	22.68	(?)	12.03
Producers and directors.....	58,180	33.39	69,460	25.21
Athletes and sports competitors.....	11,780	(?)	82,540	(?)
Coaches and scouts.....	136,040	(?)	32,260	(?)
Umpires, referees, and other sports officials.....	12,320	(?)	27,770	(?)
Dancers.....	16,490	12.37	(?)	8.61
Choreographers.....	15,350	19.18	39,900	16.69
Music directors and composers.....	9,470	22.13	46,020	16.73
Musicians and singers.....	52,350	24.66	(?)	17.91
Entertainers and performers, sports and related workers, all other.....	65,100	18.11	(?)	15.81
Radio and television announcers.....	41,140	15.65	32,540	10.97
Public address system and other announcers.....	8,480	14.43	30,010	10.76
Broadcast news analysts.....	6,910	29.30	60,940	19.81
Reporters and correspondents.....	52,730	18.77	39,050	15.22
Public relations specialists.....	180,200	24.26	50,460	21.34
Editors.....	97,380	24.21	50,370	21.45
Technical writers.....	45,450	27.60	57,420	26.15
Writers and authors.....	42,750	25.07	52,150	21.86
Interpreters and translators.....	26,470	18.24	37,940	16.78
Media and communication workers, all other.....	25,870	22.00	45,760	20.05
Audio and video equipment technicians.....	39,860	17.77	36,950	15.93
Broadcast technicians.....	30,670	16.49	34,300	14.00
Radio operators.....	1,400	17.92	37,270	17.17
Sound engineering technicians.....	12,070	22.20	46,180	18.93
Photographers.....	55,450	15.21	31,630	12.79
Camera operators, television, video, and motion picture.....	22,410	20.28	42,190	18.70
Film and video editors.....	14,890	25.32	52,670	21.51

See footnotes at end of table.

Table 1. National employment and wage data from the Occupational Employment Statistics survey by occupation, November 2004—Continued

Occupation	Employment	Mean wages		Median hourly wages
		Hourly	Annual ¹	
Arts, design, entertainment, sports, and media occupations—Continued				
Media and communication equipment workers, all other.....	18,180	\$23.00	\$47,830	\$20.82
Healthcare practitioner and technical occupations				
Chiropractors.....	22,730	40.40	84,020	32.66
Dentists, general.....	86,360	63.78	132,660	58.86
Oral and maxillofacial surgeons.....	4,380	81.54	169,600	(?)
Orthodontists.....	5,670	73.67	153,240	(?)
Prosthodontists.....	550	75.34	156,710	(?)
Dentists, all other specialists.....	3,220	50.98	106,040	41.05
Dietitians and nutritionists.....	47,820	21.87	45,490	21.33
Optometrists.....	23,190	46.29	96,290	42.45
Pharmacists.....	226,200	41.78	86,910	41.91
Anesthesiologists.....	26,140	83.95	174,610	(?)
Family and general practitioners.....	108,800	66.33	137,980	65.47
Internists, general.....	50,500	75.38	156,790	(?)
Obstetricians and gynecologists.....	22,100	83.89	174,490	(?)
Pediatricians, general.....	26,870	67.31	140,000	65.12
Psychiatrists.....	22,500	72.78	151,380	(?)
Surgeons.....	55,390	87.43	181,850	(?)
Physicians and surgeons, all other.....	174,270	65.91	137,100	67.10
Physician assistants.....	63,140	32.93	68,500	33.29
Podiatrists.....	6,940	53.43	111,130	46.78
Registered nurses.....	2,338,530	26.77	55,680	25.79
Audiologists.....	9,830	27.51	57,220	25.50
Occupational therapists.....	86,710	27.70	57,610	26.75
Physical therapists.....	145,210	30.62	63,690	29.60
Radiation therapists.....	14,040	30.18	62,780	29.06
Recreational therapists.....	23,350	16.72	34,780	15.96
Respiratory therapists.....	94,500	21.79	45,310	21.24
Speech-language pathologists.....	93,200	27.33	56,850	25.86
Therapists, all other.....	8,380	21.59	44,900	19.92
Veterinarians.....	48,290	36.69	76,320	32.83
Health diagnosing and treating practitioners, all other.....	60,410	43.76	91,020	27.49
Medical and clinical laboratory technologists.....	154,180	22.89	47,610	22.46
Medical and clinical laboratory technicians.....	143,610	15.78	32,820	15.11
Dental hygienists.....	158,130	28.74	59,790	28.53
Cardiovascular technologists and technicians.....	43,320	19.60	40,770	18.97
Diagnostic medical sonographers.....	42,500	26.36	54,820	25.79
Nuclear medicine technologists.....	18,120	29.22	60,780	27.91
Radiologic technologists and technicians.....	183,960	22.07	45,900	21.51
Emergency medical technicians and paramedics.....	191,070	13.43	27,940	12.32
Dietetic technicians.....	24,210	12.21	25,390	11.23
Pharmacy technicians.....	265,190	12.09	25,150	11.62
Psychiatric technicians.....	62,960	13.80	28,710	12.55
Respiratory therapy technicians.....	21,970	18.19	37,840	18.00
Surgical technologists.....	82,070	17.10	35,560	16.56
Veterinary technologists and technicians.....	61,110	12.66	26,330	12.19
Licensed practical and licensed vocational nurses.....	706,360	17.11	35,580	16.66
Medical records and health information technicians.....	159,580	13.54	28,160	12.55
Opticians, dispensing.....	66,000	14.65	30,470	13.77
Orthotists and prosthetists.....	4,960	28.64	59,560	25.33
Health technologists and technicians, all other.....	69,710	17.80	37,010	16.39
Occupational health and safety specialists.....	35,950	26.16	54,410	25.31
Occupational health and safety technicians.....	10,560	21.95	45,650	20.83
Athletic trainers.....	14,450	(?)	35,880	(?)
Healthcare practitioners and technical workers, all other.....	50,760	18.62	38,720	16.00
Healthcare support occupations				
Home health aides.....	625,770	9.23	19,200	8.92
Nursing aides, orderlies, and attendants.....	1,395,030	10.53	21,890	10.20
Psychiatric aides.....	56,600	11.43	23,770	10.99
Occupational therapist assistants.....	21,000	18.53	38,550	18.53
Occupational therapist aides.....	5,390	12.77	26,570	11.55
Physical therapist assistants.....	57,650	18.29	38,050	18.39
Physical therapist aides.....	41,430	11.19	23,270	10.28
Massage therapists.....	34,200	17.87	37,170	15.52
Dental assistants.....	268,950	14.22	29,570	13.95
Medical assistants.....	369,430	12.44	25,860	12.03
Medical equipment preparers.....	40,200	12.26	25,500	11.80
Medical transcriptionists.....	93,670	14.20	29,530	13.76
Pharmacy aides.....	45,630	9.74	20,270	9.13
Veterinary assistants and laboratory animal caretakers.....	70,210	9.68	20,130	9.22
Healthcare support workers, all other.....	182,000	12.79	26,610	12.30

See footnotes at end of table.

Table 1. National employment and wage data from the Occupational Employment Statistics survey by occupation, November 2004—Continued

Occupation	Employment	Mean wages		Median hourly wages
		Hourly	Annual ¹	
Protective service occupations				
First-line supervisors/managers of correctional officers.....	37,990	\$24.14	\$50,210	\$23.11
First-line supervisors/managers of police and detectives.....	93,610	31.82	66,190	31.26
First-line supervisors/managers of fire fighting and prevention workers.....	53,880	29.48	61,320	28.73
First-line supervisors/managers, protective service workers, all other.....	49,400	21.17	44,040	18.96
Fire fighters.....	275,090	19.22	39,980	18.60
Fire inspectors and investigators.....	12,800	23.24	48,340	22.50
Forest fire inspectors and prevention specialists.....	1,690	18.25	37,970	16.44
Bailiffs.....	17,770	16.83	35,000	16.21
Correctional officers and jailers.....	416,490	17.38	36,160	16.19
Detectives and criminal investigators.....	87,330	27.35	56,890	26.21
Fish and game wardens.....	6,360	20.58	42,800	20.34
Parking enforcement workers.....	10,250	14.61	30,400	13.85
Police and sheriff's patrol officers.....	623,390	22.40	46,600	21.92
Transit and railroad police.....	5,060	24.68	51,330	24.07
Animal control workers.....	13,690	13.41	27,900	12.87
Private detectives and investigators.....	34,940	17.77	36,970	15.63
Gaming surveillance officers and gaming investigators.....	8,800	13.72	28,550	12.38
Security guards.....	992,180	10.76	22,380	9.87
Crossing guards.....	68,630	10.08	20,960	9.48
Lifeguards, ski patrol, and other recreational protective service workers.....	107,120	8.57	17,820	8.05
Protective service workers, all other.....	142,610	15.22	31,660	13.76
Food preparation and serving related occupations				
Chefs and head cooks.....	117,850	16.77	34,870	15.09
First-line supervisors/managers of food preparation and serving workers.....	738,610	13.27	27,600	12.37
Cooks, fast food.....	651,530	7.32	15,230	7.10
Cooks, institution and cafeteria.....	395,950	9.73	20,240	9.29
Cooks, private household.....	790	10.50	21,850	9.37
Cooks, restaurant.....	770,660	9.80	20,370	9.47
Cooks, short order.....	209,370	8.59	17,870	8.27
Cooks, all other.....	10,230	11.08	23,050	10.26
Food preparation workers.....	874,060	8.58	17,850	8.12
Bartenders.....	471,640	8.35	17,360	7.51
Combined food preparation and serving workers, including fast food.....	2,223,820	7.42	15,430	7.09
Counter attendants, cafeteria, food concession, and coffee shop.....	483,870	7.83	16,290	7.60
Waiters and waitresses.....	2,228,950	7.68	15,980	6.78
Food servers, nonrestaurant.....	188,950	8.71	18,120	8.08
Dining room and cafeteria attendants and bartender helpers.....	393,090	7.48	15,560	7.17
Dishwashers.....	493,310	7.53	15,670	7.41
Hosts and hostesses, restaurant, lounge, and coffee shop.....	324,570	7.84	16,310	7.56
Food preparation and serving related workers, all other.....	60,010	8.95	18,620	8.30
Building and grounds cleaning and maintenance occupations				
First-line supervisors/managers of housekeeping and janitorial workers.....	193,860	15.62	32,490	14.45
First-line supervisors/managers of landscaping, lawn service, and groundskeeping workers.....	105,640	18.52	38,520	17.20
Janitors and cleaners, except maids and housekeeping cleaners.....	2,119,800	10.00	20,800	9.19
Maids and housekeeping cleaners.....	887,120	8.67	18,030	8.17
Building cleaning workers, all other.....	13,350	11.04	22,970	10.36
Pest control workers.....	59,840	13.64	28,360	12.85
Landscaping and groundskeeping workers.....	866,950	10.70	22,260	9.92
Pesticide handlers, sprayers, and applicators, vegetation.....	24,760	12.95	26,940	12.46
Tree trimmers and pruners.....	34,160	13.62	28,330	12.90
Grounds maintenance workers, all other.....	17,960	11.21	23,320	9.71
Personal care and service occupations				
Gaming supervisors.....	25,570	20.30	42,220	19.75
Slot key persons.....	15,630	11.93	24,810	10.85
First-line supervisors/managers of personal service workers.....	124,470	16.32	33,940	14.86
Animal trainers.....	8,490	13.56	28,200	11.73
Nonfarm animal caretakers.....	86,650	9.43	19,620	8.48
Gaming dealers.....	85,240	7.79	16,210	6.91
Gaming and sports book writers and runners.....	19,800	9.88	20,560	9.00
Gaming service workers, all other.....	16,640	10.78	22,410	9.97
Motion picture projectionists.....	10,160	9.36	19,460	8.25
Ushers, lobby attendants, and ticket takers.....	105,040	8.06	16,770	7.35
Amusement and recreation attendants.....	243,640	8.05	16,730	7.52
Costume attendants.....	3,480	13.57	28,220	12.04
Locker room, coatroom, and dressing room attendants.....	20,880	8.91	18,530	8.52
Embalmers.....	9,300	17.78	36,990	16.68
Funeral attendants.....	29,930	10.01	20,830	9.34
Barbers.....	13,530	12.24	25,470	10.51

See footnotes at end of table.

Table 1. National employment and wage data from the Occupational Employment Statistics survey by occupation, November 2004—Continued

Occupation	Employment	Mean wages		Median hourly wages
		Hourly	Annual ¹	
Personal care and service occupations—Continued				
Hairdressers, hairstylists, and cosmetologists.....	335,000	\$11.41	\$23,720	\$9.85
Makeup artists, theatrical and performance.....	1,680	16.22	33,730	15.69
Manicurists and pedicurists.....	44,390	9.56	19,880	8.72
Shampooers.....	15,580	7.70	16,020	7.31
Skin care specialists.....	21,630	13.32	27,700	11.70
Baggage porters and bellhops.....	54,310	10.44	21,720	8.69
Concierges.....	16,890	11.99	24,930	11.30
Tour guides and escorts.....	27,610	9.98	20,760	9.27
Travel guides.....	3,740	14.79	30,770	13.50
Flight attendants.....	101,730	(²)	53,560	(²)
Transportation attendants, except flight attendants and baggage porters.....	25,870	9.88	20,540	9.20
Child care workers.....	532,400	8.68	18,060	8.15
Personal and home care aides.....	555,780	8.44	17,560	8.18
Fitness trainers and aerobics instructors.....	183,090	15.03	31,260	12.53
Recreation workers.....	263,570	10.66	22,180	9.56
Residential advisors.....	49,710	11.31	23,520	10.47
Personal care and service workers, all other.....	(³)	9.77	20,330	8.75
Sales and related occupations				
First-line supervisors/managers of retail sales workers.....	1,083,890	17.90	37,230	15.58
First-line supervisors/managers of non-retail sales workers.....	302,890	34.66	72,100	28.99
Cashiers.....	3,451,100	8.27	17,200	7.78
Gaming change persons and booth cashiers.....	28,740	9.94	20,670	9.74
Counter and rental clerks.....	454,950	10.52	21,890	8.86
Parts salespersons.....	239,130	13.71	28,510	12.43
Retail salespersons.....	4,260,150	11.00	22,880	9.03
Advertising sales agents.....	149,590	24.08	50,090	19.91
Insurance sales agents.....	283,840	27.07	56,310	20.21
Securities, commodities, and financial services sales agents.....	249,170	42.08	87,520	31.36
Travel agents.....	88,480	14.43	30,010	13.48
Sales representatives, services, all other.....	383,680	25.99	54,060	22.70
Sales representatives, wholesale and manufacturing, technical and scientific products.....	382,520	32.56	67,730	28.56
Sales representatives, wholesale and manufacturing, except technical and scientific products.....	1,403,590	26.20	54,500	22.16
Demonstrators and product promoters.....	89,570	11.75	24,450	9.85
Models.....	1,500	12.85	26,740	10.09
Real estate brokers.....	41,190	36.22	75,330	27.39
Real estate sales agents.....	141,040	24.25	50,440	17.77
Sales engineers.....	70,300	37.16	77,290	34.42
Telemarketers.....	407,650	11.31	23,520	9.84
Door-to-door sales workers, news and street vendors, and related workers.....	12,870	12.92	26,870	10.41
Sales and related workers, all other.....	187,880	18.89	39,300	15.62
Office and administrative support occupations				
First-line supervisors/managers of office and administrative support workers.....	1,365,190	21.58	44,890	20.12
Switchboard operators, including answering service.....	202,980	10.94	22,750	10.50
Telephone operators.....	36,760	14.41	29,980	13.82
Communications equipment operators, all other.....	4,090	15.58	32,400	14.91
Bill and account collectors.....	444,790	14.16	29,460	13.36
Billing and posting clerks and machine operators.....	506,720	13.68	28,460	13.18
Bookkeeping, accounting, and auditing clerks.....	1,777,320	14.56	30,280	13.96
Gaming cage workers.....	19,570	11.14	23,170	10.72
Payroll and timekeeping clerks.....	206,570	15.30	31,820	14.89
Procurement clerks.....	71,150	15.33	31,890	15.14
Tellers.....	573,740	10.41	21,650	10.17
Brokerage clerks.....	70,580	18.13	37,700	16.92
Correspondence clerks.....	19,770	14.10	29,340	13.38
Court, municipal, and license clerks.....	101,450	14.85	30,900	13.93
Credit authorizers, checkers, and clerks.....	67,110	14.92	31,020	13.86
Customer service representatives.....	2,036,090	14.11	29,350	13.08
Eligibility interviewers, government programs.....	86,620	16.38	34,060	16.05
File clerks.....	238,310	10.82	22,500	10.18
Hotel, motel, and resort desk clerks.....	198,890	9.00	18,730	8.54
Interviewers, except eligibility and loan.....	201,230	12.18	25,330	11.71
Library assistants, clerical.....	102,180	10.73	22,310	10.12
Loan interviewers and clerks.....	223,870	14.95	31,100	14.12
New accounts clerks.....	85,120	13.64	28,370	12.96
Order clerks.....	276,160	12.99	27,030	12.16
Human resources assistants, except payroll and timekeeping.....	163,920	15.98	33,250	15.47
Receptionists and information clerks.....	1,087,330	11.01	22,900	10.58

See footnotes at end of table.

Table 1. National employment and wage data from the Occupational Employment Statistics survey by occupation, November 2004—Continued

Occupation	Employment	Mean wages		Median hourly wages
		Hourly	Annual ¹	
Office and administrative support occupations—Continued				
Reservation and transportation ticket agents and travel clerks.....	159,510	\$14.54	\$30,240	\$13.51
All other information and record clerks.....	280,160	18.56	38,610	15.77
Cargo and freight agents.....	72,740	17.70	36,820	17.05
Couriers and messengers.....	111,380	10.57	21,990	9.91
Police, fire, and ambulance dispatchers.....	92,090	14.80	30,780	14.12
Dispatchers, except police, fire, and ambulance.....	168,010	15.98	33,240	14.96
Meter readers, utilities.....	47,260	15.06	31,320	14.29
Postal service clerks.....	77,930	22.51	46,830	23.19
Postal service mail carriers.....	346,000	21.24	44,180	22.06
Postal service mail sorters, processors, and processing machine operators.....	224,600	19.42	40,400	20.47
Production, planning, and expediting clerks.....	287,450	18.41	38,290	17.74
Shipping, receiving, and traffic clerks.....	748,700	12.63	26,270	11.93
Stock clerks and order fillers.....	1,606,180	10.56	21,970	9.66
Weighers, measurers, checkers, and samplers, recordkeeping.....	84,460	12.88	26,780	11.83
Executive secretaries and administrative assistants.....	1,420,170	17.96	37,350	17.09
Legal secretaries.....	261,560	18.69	38,870	17.97
Medical secretaries.....	356,760	13.58	28,250	13.00
Secretaries, except legal, medical, and executive.....	1,712,600	13.23	27,520	12.72
Computer operators.....	133,230	15.93	33,140	15.16
Data entry keyers.....	307,400	11.81	24,560	11.27
Word processors and typists.....	161,730	14.33	29,800	13.74
Desktop publishers.....	30,340	16.45	34,210	15.64
Insurance claims and policy processing clerks.....	244,700	14.96	31,120	14.35
Mail clerks and mail machine operators, except postal service.....	148,960	11.37	23,650	10.87
Office clerks, general.....	2,943,750	11.75	24,440	11.05
Office machine operators, except computer.....	88,540	11.96	24,870	11.28
Proofreaders and copy markers.....	20,190	13.02	27,080	12.12
Statistical assistants.....	18,370	15.09	31,390	14.00
Office and administrative support workers, all other.....	300,210	13.23	27,520	12.24
Farming, fishing, and forestry occupations				
First-line supervisors/managers of farming, fishing, and forestry workers.....	19,740	18.72	38,930	17.33
Farm labor contractors.....	2,890	11.26	23,430	8.54
Agricultural inspectors.....	12,020	16.18	33,660	15.07
Animal breeders.....	1,530	16.14	33,570	14.23
Graders and sorters, agricultural products.....	47,290	8.69	18,080	8.04
Agricultural equipment operators.....	18,490	9.71	20,190	9.05
Farmworkers and laborers, crop, nursery, and greenhouse.....	231,120	8.23	17,110	7.85
Farmworkers, farm and ranch animals.....	44,810	9.17	19,070	8.42
Agricultural workers, all other.....	9,300	10.95	22,780	10.10
Fishers and related fishing workers.....	890	14.99	31,170	13.57
Forest and conservation workers.....	8,980	11.32	23,560	9.59
Fallers.....	9,780	14.97	31,150	13.50
Logging equipment operators.....	27,650	14.07	29,260	13.67
Log graders and scalers.....	4,570	13.60	28,280	12.82
Logging workers, all other.....	5,790	14.24	29,630	14.46
Construction and extraction occupations				
First-line supervisors/managers of construction trades and extraction workers.....	549,130	26.31	54,720	24.51
Boilermakers.....	17,640	22.91	47,640	22.50
Brickmasons and blockmasons.....	114,400	20.56	42,770	20.14
Stonemasons.....	15,450	17.92	37,280	16.70
Carpenters.....	913,130	18.39	38,250	16.90
Carpet installers.....	40,400	17.64	36,690	16.05
Floor layers, except carpet, wood, and hard tiles.....	15,230	17.90	37,240	16.05
Floor sanders and finishers.....	6,060	14.13	29,400	12.71
Tile and marble setters.....	45,030	18.67	38,840	17.39
Cement masons and concrete finishers.....	195,020	16.38	34,070	15.06
Terrazzo workers and finishers.....	6,960	15.67	32,590	13.89
Construction laborers.....	892,940	13.91	28,920	12.14
Paving, surfacing, and tamping equipment operators.....	62,400	16.11	33,500	14.53
Pile-driver operators.....	4,550	22.85	47,530	21.60
Operating engineers and other construction equipment operators.....	369,280	18.69	38,870	17.07
Drywall and ceiling tile installers.....	122,240	18.00	37,430	16.67
Tapers.....	37,930	19.47	40,500	18.81
Electricians.....	621,050	21.73	45,200	20.30
Glaziers.....	45,930	17.42	36,240	15.63
Insulation workers, floor, ceiling, and wall.....	36,630	16.86	35,060	15.16
Insulation workers, mechanical.....	19,440	18.47	38,420	16.36
Painters, construction and maintenance.....	248,900	16.05	33,380	14.67
Paperhangers.....	7,330	17.01	35,380	15.70
Pipelayers.....	54,120	15.45	32,130	13.68
Plumbers, pipefitters, and steamfitters.....	423,280	21.40	44,510	20.13
Plasterers and stucco masons.....	50,810	17.13	35,640	15.88
Reinforcing iron and rebar workers.....	31,000	18.98	39,470	16.61
Roofers.....	117,360	16.36	34,040	15.05

See footnotes at end of table.

Table 1. National employment and wage data from the Occupational Employment Statistics survey by occupation, November 2004—Continued

Occupation	Employment	Mean wages		Median hourly wages
		Hourly	Annual ¹	
Construction and extraction occupations—Continued				
Sheet metal workers.....	181,720	\$18.78	\$39,070	\$17.29
Structural iron and steel workers.....	71,310	21.55	44,820	20.39
Helpers—brickmasons, blockmasons, stonemasons, and tile and marble setters.....	59,790	13.23	27,520	11.93
Helpers—carpenters.....	108,870	11.01	22,890	10.45
Helpers—electricians.....	90,080	11.99	24,940	11.34
Helpers—painters, paperhangers, plasterers, and stucco masons.....	22,150	10.85	22,570	10.10
Helpers—pipelayers, plumbers, pipefitters, and steamfitters.....	74,480	11.71	24,350	10.91
Helpers—roofers.....	22,000	10.45	21,730	9.90
Helpers, construction trades, all other.....	38,880	11.17	23,240	10.08
Construction and building inspectors.....	86,240	22.05	45,870	21.12
Elevator installers and repairers.....	20,810	28.20	58,660	28.49
Fence erectors.....	22,570	12.57	26,140	11.70
Hazardous materials removal workers.....	38,920	17.47	36,330	15.87
Highway maintenance workers.....	139,740	14.73	30,640	14.41
Rail-track laying and maintenance equipment operators.....	11,940	18.70	38,900	19.03
Septic tank servicers and sewer pipe cleaners.....	16,960	15.27	31,770	14.48
Segmental pavers.....	430	13.53	28,140	11.87
Construction and related workers, all other.....	70,820	13.74	28,580	12.65
Derrick operators, oil and gas.....	13,480	17.14	35,640	16.25
Rotary drill operators, oil and gas.....	13,840	18.92	39,350	17.24
Service unit operators, oil, gas, and mining.....	17,290	16.76	34,860	14.87
Earth drillers, except oil and gas.....	18,090	17.34	36,060	16.14
Explosives workers, ordnance handling experts, and blasters.....	5,150	18.58	38,640	17.69
Continuous mining machine operators.....	8,630	17.92	37,280	18.03
Mine cutting and channeling machine operators.....	4,910	18.10	37,650	18.30
Mining machine operators, all other.....	2,430	17.57	36,540	16.94
Rock splitters, quarry.....	3,370	13.66	28,400	12.87
Roof bolters, mining.....	4,140	18.56	38,610	18.64
Roustabouts, oil and gas.....	35,120	12.48	25,960	11.63
Helpers—extraction workers.....	25,500	13.37	27,820	12.77
Extraction workers, all other.....	9,860	17.21	35,800	16.05
Installation, maintenance, and repair occupations				
First-line supervisors/managers of mechanics, installers, and repairers.....	455,560	25.69	53,430	24.52
Computer, automated teller, and office machine repairers.....	139,970	17.85	37,120	17.15
Radio mechanics.....	6,030	18.31	38,080	17.67
Telecommunications equipment installers and repairers, except line installers.....	198,450	23.46	48,790	24.17
Avionics technicians.....	22,540	22.11	45,990	21.99
Electric motor, power tool, and related repairers.....	19,880	16.39	34,090	15.84
Electrical and electronics installers and repairers, transportation equipment.....	19,920	20.12	41,860	19.94
Electrical and electronics repairers, commercial and industrial equipment.....	69,320	20.91	43,500	20.76
Electrical and electronics repairers, powerhouse, substation, and relay.....	21,140	26.09	54,270	26.22
Electronic equipment installers and repairers, motor vehicles.....	16,840	14.48	30,110	12.96
Electronic home entertainment equipment installers and repairers.....	33,200	14.45	30,060	13.47
Security and fire alarm systems installers.....	46,340	17.38	36,140	16.66
Aircraft mechanics and service technicians.....	114,240	23.03	47,910	22.07
Automotive body and related repairers.....	160,850	18.16	37,780	16.73
Automotive glass installers and repairers.....	16,810	14.28	29,710	13.82
Automotive service technicians and mechanics.....	662,840	16.71	34,760	15.68
Bus and truck mechanics and diesel engine specialists.....	248,890	17.80	37,020	17.38
Farm equipment mechanics.....	29,030	13.87	28,860	13.54
Mobile heavy equipment mechanics, except engines.....	114,920	18.94	39,400	18.57
Rail car repairers.....	22,520	20.27	42,150	20.55
Motorboat mechanics.....	18,220	15.67	32,580	15.25
Motorcycle mechanics.....	16,270	14.93	31,050	13.98
Outdoor power equipment and other small engine mechanics.....	24,160	12.89	26,800	12.30
Bicycle repairers.....	7,480	9.93	20,660	9.76
Recreational vehicle service technicians.....	12,810	14.97	31,150	14.03
Tire repairers and changers.....	85,930	10.56	21,960	9.99
Mechanical door repairers.....	12,920	16.41	34,130	15.17
Control and valve installers and repairers, except mechanical door.....	37,430	20.97	43,620	21.20
Heating, air conditioning, and refrigeration mechanics and installers.....	232,050	18.47	38,410	17.63
Home appliance repairers.....	40,480	16.12	33,530	15.57
Industrial machinery mechanics.....	223,700	19.50	40,560	18.90
Maintenance and repair workers, general.....	1,291,030	15.52	32,290	14.87
Maintenance workers, machinery.....	85,890	16.64	34,620	15.92
Millwrights.....	56,280	21.87	45,490	21.24
Refractory materials repairers, except brickmasons.....	3,090	19.29	40,120	19.05
Electrical power-line installers and repairers.....	103,160	23.35	48,570	23.89
Telecommunications line installers and repairers.....	148,740	20.46	42,560	20.46
Camera and photographic equipment repairers.....	3,440	16.48	34,270	15.88
Medical equipment repairers.....	24,670	19.39	40,330	18.55
Musical instrument repairers and tuners.....	4,910	15.39	32,000	13.72
Watch repairers.....	3,290	15.69	32,630	14.24
Precision instrument and equipment repairers, all other.....	12,610	21.91	45,580	21.45

See footnotes at end of table.

Table 1. National employment and wage data from the Occupational Employment Statistics survey by occupation, November 2004—Continued

Occupation	Employment	Mean wages		Median hourly wages
		Hourly	Annual ¹	
Installation, maintenance, and repair occupations—Continued				
Coin, vending, and amusement machine servicers and repairers.....	38,840	\$13.92	\$28,950	\$13.47
Commercial divers.....	1,840	19.93	41,460	17.89
Fabric menders, except garment.....	2,070	16.02	33,320	16.51
Locksmiths and safe repairers.....	15,220	15.49	32,210	14.70
Manufactured building and mobile home installers.....	11,320	11.87	24,680	11.41
Riggers.....	12,830	17.81	37,050	17.27
Signal and track switch repairers.....	6,910	22.61	47,020	22.64
Helpers--installation, maintenance, and repair workers.....	160,020	11.14	23,180	10.22
Installation, maintenance, and repair workers, all other.....	129,840	17.25	35,870	16.21
Production occupations				
First-line supervisors/managers of production and operating workers.....	685,510	23.21	48,290	21.74
Aircraft structure, surfaces, rigging, and systems assemblers.....	23,570	20.19	41,990	20.87
Coil winders, tapers, and finishers.....	24,440	12.64	26,290	12.25
Electrical and electronic equipment assemblers.....	207,050	12.88	26,780	11.94
Electromechanical equipment assemblers.....	53,010	13.44	27,960	12.87
Engine and other machine assemblers.....	49,000	17.43	36,250	16.97
Structural metal fabricators and fitters.....	91,150	14.99	31,180	14.44
Fiberglass laminators and fabricators.....	29,470	12.52	26,040	12.01
Team assemblers.....	1,237,700	12.40	25,780	11.46
Timing device assemblers, adjusters, and calibrators.....	2,870	14.60	30,380	13.65
Assemblers and fabricators, all other.....	250,200	14.09	29,300	12.10
Bakers.....	142,940	11.06	23,010	10.34
Butchers and meat cutters.....	128,700	13.26	27,570	12.66
Meat, poultry, and fish cutters and trimmers.....	137,240	9.77	20,320	9.36
Slaughterers and meat packers.....	134,570	10.18	21,170	10.03
Food and tobacco roasting, baking, and drying machine operators and tenders.....	18,330	12.15	25,270	11.38
Food batchmakers.....	86,810	11.49	23,890	10.73
Food cooking machine operators and tenders.....	42,570	10.85	22,580	10.17
Computer-controlled machine tool operators, metal and plastic.....	130,600	15.31	31,830	14.81
Numerical tool and process control programmers.....	16,840	20.83	43,320	19.79
Extruding and drawing machine setters, operators, and tenders, metal and plastic.....	90,060	13.64	28,370	13.22
Forging machine setters, operators, and tenders, metal and plastic.....	35,850	14.18	29,500	13.42
Rolling machine setters, operators, and tenders, metal and plastic.....	39,150	14.88	30,950	14.43
Cutting, punching, and press machine setters, operators, and tenders, metal and plastic.....	257,500	13.10	27,240	12.48
Drilling and boring machine tool setters, operators, and tenders, metal and plastic.....	42,830	14.78	30,730	13.78
Grinding, lapping, polishing, and buffing machine tool setters, operators, and tenders, metal and plastic.....	100,640	14.18	29,500	13.25
Lathe and turning machine tool setters, operators, and tenders, metal and plastic.....	71,480	15.82	32,910	15.28
Milling and planing machine setters, operators, and tenders, metal and plastic.....	29,820	15.46	32,150	15.14
Machinists.....	364,130	16.83	35,000	16.39
Metal-refining furnace operators and tenders.....	16,780	16.27	33,850	15.82
Pourers and casters, metal.....	14,120	14.76	30,690	13.94
Model makers, metal and plastic.....	7,990	21.88	45,510	21.52
Patternmakers, metal and plastic.....	7,010	18.71	38,920	18.06
Foundry mold and coremakers.....	16,570	14.59	30,350	13.66
Molding, coremaking, and casting machine setters, operators, and tenders, metal and plastic.....	157,310	12.74	26,490	11.88
Multiple machine tool setters, operators, and tenders, metal and plastic.....	99,030	15.13	31,460	14.32
Tool and die makers.....	99,420	21.46	44,640	20.84
Welders, cutters, solderers, and brazers.....	351,710	15.49	32,220	14.81
Welding, soldering, and brazing machine setters, operators, and tenders.....	44,670	15.75	32,760	14.76
Heat treating equipment setters, operators, and tenders, metal and plastic.....	26,380	14.81	30,810	14.30
Lay-out workers, metal and plastic.....	11,110	16.37	34,060	15.79
Plating and coating machine setters, operators, and tenders, metal and plastic.....	39,630	13.69	28,480	12.91
Tool grinders, filers, and sharpeners.....	19,930	15.30	31,820	14.63
Metal workers and plastic workers, all other.....	49,700	17.83	37,090	16.80
Bindery workers.....	69,320	12.63	26,270	11.57
Bookbinders.....	7,610	14.41	29,980	13.79
Job printers.....	52,250	16.15	33,600	15.26
Prepress technicians and workers.....	73,120	16.34	33,990	15.61
Printing machine operators.....	186,340	15.43	32,100	14.63
Laundry and dry-cleaning workers.....	215,910	8.80	18,290	8.34
Pressers, textile, garment, and related materials.....	79,500	8.64	17,980	8.36
Sewing machine operators.....	244,300	9.34	19,430	8.67
Shoe and leather workers and repairers.....	8,000	9.88	20,540	9.51
Shoe machine operators and tenders.....	4,550	10.10	21,000	9.73
Sewers, hand.....	11,870	10.25	21,330	9.22
Tailors, dressmakers, and custom sewers.....	27,490	11.92	24,800	11.06
Textile bleaching and dyeing machine operators and tenders.....	22,270	11.07	23,020	10.76
Textile cutting machine setters, operators, and tenders.....	22,790	10.77	22,400	10.22
Textile knitting and weaving machine setters, operators, and tenders.....	44,880	11.44	23,800	11.46
Textile winding, twisting, and drawing out machine setters, operators, and tenders.....	50,380	11.18	23,260	10.90

See footnotes at end of table.

Table 1. National employment and wage data from the Occupational Employment Statistics survey by occupation, November 2004—Continued

Occupation	Employment	Mean wages		Median hourly wages
		Hourly	Annual ¹	
Production occupations—Continued				
Extruding and forming machine setters, operators, and tenders, synthetic and glass fibers.....	24,200	\$13.84	\$28,790	\$13.50
Fabric and apparel patternmakers.....	10,070	17.27	35,930	14.70
Upholsterers.....	40,980	13.06	27,160	12.33
Textile, apparel, and furnishings workers, all other.....	23,420	11.19	23,280	10.70
Cabinetmakers and bench carpenters.....	118,480	13.12	27,290	12.34
Furniture finishers.....	25,710	12.28	25,530	11.51
Model makers, wood.....	2,520	15.74	32,740	13.39
Patternmakers, wood.....	2,070	15.79	32,850	14.44
Sawing machine setters, operators, and tenders, wood.....	59,350	11.55	24,030	11.11
Woodworking machine setters, operators, and tenders, except sawing.....	90,900	11.58	24,090	11.04
Woodworkers, all other.....	10,290	11.01	22,890	10.25
Nuclear power reactor operators.....	4,450	31.25	65,000	31.34
Power distributors and dispatchers.....	8,090	28.15	58,540	27.93
Power plant operators.....	34,050	25.18	52,380	25.25
Stationary engineers and boiler operators.....	45,500	21.71	45,160	21.21
Water and liquid waste treatment plant and system operators.....	93,330	17.24	35,850	16.75
Chemical plant and system operators.....	60,710	22.03	45,830	21.89
Gas plant operators.....	10,330	24.65	51,260	24.62
Petroleum pump system operators, refinery operators, and gaugers.....	41,050	24.07	50,070	24.54
Plant and system operators, all other.....	14,510	20.73	43,120	20.55
Chemical equipment operators and tenders.....	46,450	19.02	39,560	18.70
Separating, filtering, clarifying, precipitating, and still machine setters, operators, and tenders.....	40,730	16.83	35,000	16.37
Crushing, grinding, and polishing machine setters, operators, and tenders.....	41,320	13.81	28,720	13.14
Grinding and polishing workers, hand.....	42,980	12.03	25,020	11.27
Mixing and blending machine setters, operators, and tenders.....	122,390	14.31	29,760	13.71
Cutters and trimmers, hand.....	28,320	11.49	23,890	10.50
Cutting and slicing machine setters, operators, and tenders.....	76,810	13.82	28,740	13.04
Extruding, forming, pressing, and compacting machine setters, operators, and tenders.....	76,900	14.09	29,300	13.25
Furnace, kiln, oven, drier, and kettle operators and tenders.....	28,700	15.11	31,430	14.42
Inspectors, testers, sorters, samplers, and weighers.....	505,100	15.17	31,560	13.76
Jewelers and precious stone and metal workers.....	26,540	14.81	30,800	13.40
Dental laboratory technicians.....	44,310	16.26	33,810	15.22
Medical appliance technicians.....	10,130	15.39	32,020	13.69
Ophthalmic laboratory technicians.....	26,030	12.38	25,750	11.42
Packaging and filling machine operators and tenders.....	412,360	11.82	24,580	10.87
Coating, painting, and spraying machine setters, operators, and tenders.....	99,430	13.40	27,880	12.75
Painters, transportation equipment.....	50,720	18.07	37,590	16.65
Painting, coating, and decorating workers.....	29,400	12.13	25,240	10.82
Photographic process workers.....	27,660	11.33	23,570	9.78
Photographic processing machine operators.....	54,480	10.18	21,170	9.31
Semiconductor processors.....	43,420	15.42	32,080	14.40
Cementing and gluing machine operators and tenders.....	25,030	12.46	25,910	11.68
Cleaning, washing, and metal pickling equipment operators and tenders.....	16,080	12.23	25,440	11.12
Cooling and freezing equipment operators and tenders.....	9,030	12.03	25,030	10.90
Etchers and engravers.....	8,880	13.14	27,330	11.79
Molders, shapers, and casters, except metal and plastic.....	37,690	12.14	25,250	11.25
Paper goods machine setters, operators, and tenders.....	108,530	15.30	31,820	14.94
Tire builders.....	19,060	17.47	36,340	17.70
Helpers—production workers.....	504,440	10.38	21,590	9.73
Production workers, all other.....	305,330	13.07	27,190	10.94
Transportation and material moving occupations				
Aircraft cargo handling supervisors.....	6,570	19.73	41,040	16.99
First-line supervisors/managers of helpers, laborers, and material movers, hand.....	173,640	19.60	40,770	18.57
First-line supervisors/managers of transportation and material-moving machine and vehicle operators.....	221,560	23.71	49,310	22.02
Airline pilots, copilots, and flight engineers.....	78,430	(²)	134,090	(²)
Commercial pilots.....	22,320	(²)	64,470	(²)
Air traffic controllers.....	21,680	48.28	100,430	49.22
Airfield operations specialists.....	4,540	20.61	42,860	18.09
Ambulance drivers and attendants, except emergency medical technicians.....	16,530	9.90	20,600	9.31
Bus drivers, transit and intercity.....	189,170	15.27	31,750	14.74
Bus drivers, school.....	475,700	11.52	23,960	11.38
Driver/sales workers.....	405,060	11.45	23,810	9.77
Truck drivers, heavy and tractor-trailer.....	1,594,980	16.79	34,920	16.28
Truck drivers, light or delivery services.....	929,530	12.81	26,640	11.74
Taxi drivers and chauffeurs.....	141,470	10.40	21,640	9.51
Motor vehicle operators, all other.....	81,570	11.43	23,780	9.89
Locomotive engineers.....	32,990	28.86	60,020	27.95
Locomotive firers.....	590	20.94	43,560	19.77
Rail yard engineers, dinky operators, and hostlers.....	6,710	18.25	37,970	17.54

See footnotes at end of table.

Table 1. National employment and wage data from the Occupational Employment Statistics survey by occupation, November 2004—Continued

Occupation	Employment	Mean wages		Median hourly wages
		Hourly	Annual ¹	
Transportation and material moving occupations—Continued				
Railroad brake, signal, and switch operators.....	17,890	\$24.64	\$51,250	\$23.79
Railroad conductors and yardmasters.....	34,690	27.74	57,700	26.78
Subway and streetcar operators.....	8,470	22.33	46,460	22.86
Rail transportation workers, all other.....	6,710	19.04	39,610	19.10
Sailors and marine oilers.....	28,280	14.84	30,870	13.75
Captains, mates, and pilots of water vessels.....	26,490	25.21	52,440	23.95
Motorboat operators.....	2,470	16.45	34,220	15.72
Ship engineers.....	11,020	27.61	57,440	25.82
Bridge and lock tenders.....	3,440	17.06	35,480	17.81
Parking lot attendants.....	123,960	8.52	17,730	8.09
Service station attendants.....	93,420	8.93	18,570	8.33
Traffic technicians.....	7,330	17.97	37,380	17.54
Transportation inspectors.....	25,440	24.30	50,530	23.04
Transportation workers, all other.....	51,770	15.79	32,840	15.31
Conveyor operators and tenders.....	47,850	13.11	27,280	12.60
Crane and tower operators.....	43,690	19.28	40,100	18.46
Dredge operators.....	1,710	15.39	32,010	14.14
Excavating and loading machine and dragline operators.....	64,240	16.60	34,520	15.43
Loading machine operators, underground mining.....	2,590	16.89	35,130	16.50
Hoist and winch operators.....	4,150	18.20	37,860	15.72
Industrial truck and tractor operators.....	626,910	13.65	28,390	12.86
Cleaners of vehicles and equipment.....	333,920	9.49	19,730	8.47
Laborers and freight, stock, and material movers, hand.....	2,388,930	10.67	22,190	9.79
Machine feeders and offbearers.....	145,110	11.39	23,700	10.74
Packers and packagers, hand.....	860,050	9.02	18,760	8.29
Gas compressor and gas pumping station operators.....	4,310	21.62	44,970	21.39
Pump operators, except wellhead pumpers.....	9,520	18.78	39,060	17.91
Wellhead pumpers.....	9,510	16.81	34,960	17.07
Refuse and recyclable material collectors.....	138,700	13.85	28,810	12.96
Shuttle car operators.....	3,110	17.81	37,030	18.15
Tank car, truck, and ship loaders.....	15,440	16.77	34,880	15.62
Material moving workers, all other.....	53,190	15.54	32,330	14.49

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

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

³ Represents a wage above \$70.00 per hour.

⁴ Estimates not released.