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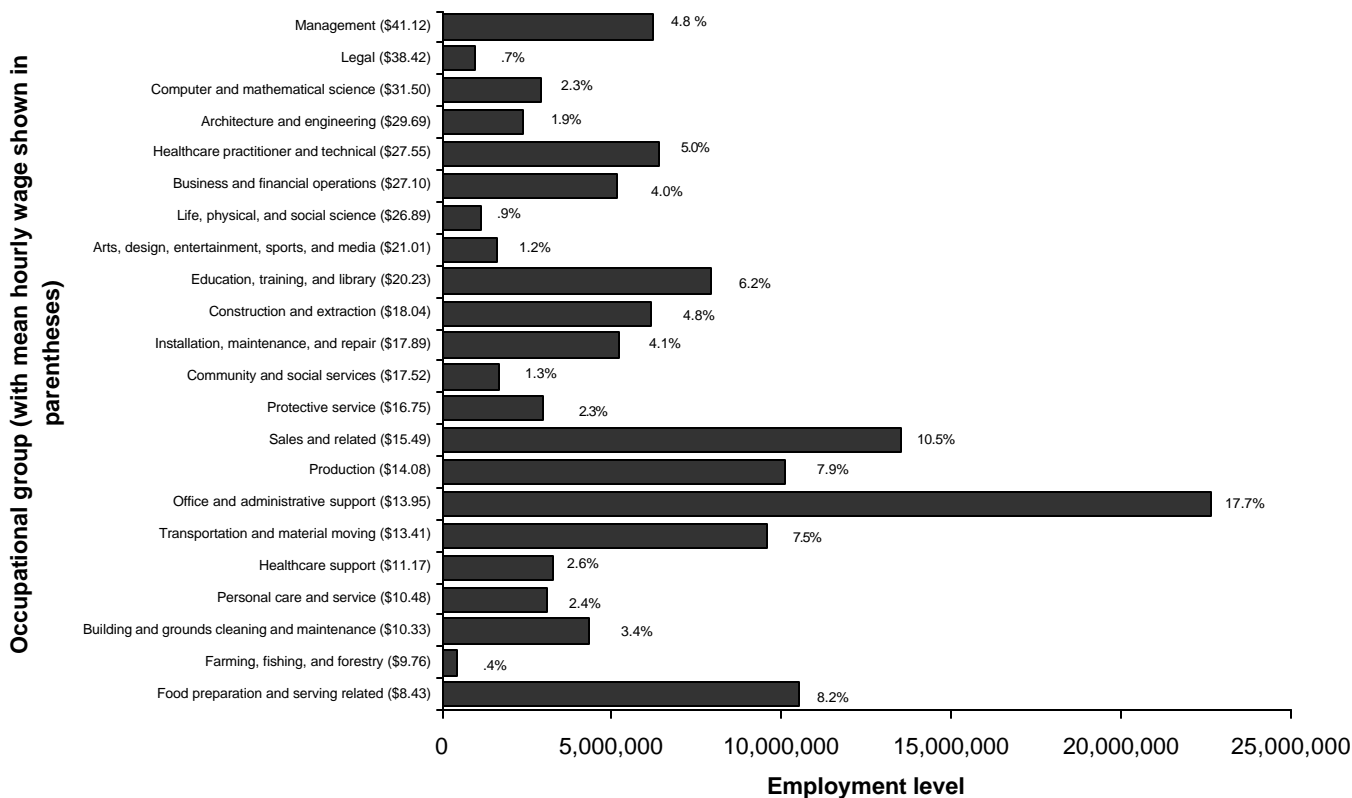
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## OCCUPATIONAL EMPLOYMENT AND WAGES, MAY 2004

Retail salespersons and cashiers were the two largest occupations in the United States in May 2004, with about 4.1 and 3.4 million wage and salary workers, respectively, according to the Bureau of Labor Statistics of the U.S. Department of Labor. Other 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—\$26.06. For the other large occupations, average hourly earnings ranged from \$7.40 for combined food preparation and serving workers, including fast food to \$14.01 for customer service representatives. (See table 1.)

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



Healthcare practitioner and technical occupations such as specialist physicians and dentists accounted for 13 out of the 15 highest-paying detailed occupations in May 2004. The average hourly wages for these health-related occupations ranged from \$87.31 for surgeons to \$62.64 for dentists, all other specialists. The lowest-paying occupation was fast food cooks, who earned \$7.33 per hour. Five of the six lowest-paying occupations were related to food preparation and serving.

These statistics are from the Occupational Employment Statistics (OES) survey, a federal-state cooperative program between BLS and State Workforce Agencies. The OES survey provides estimates of employment and hourly and annual wages for wage and salary workers in 22 major occupational groups and in 801 detailed occupations.

Management and legal occupational groups were the highest paying of the 22 major occupational groups. 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 May 2004 was office and administrative support workers, followed by sales and related workers, food preparation and serving workers, and production workers. (See chart 1.)

**Table A. Employment distribution by wage range and major occupational group, May 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 \$43.75
Management .....	1.3	1.0	2.4	5.0	8.6	13.2	15.9	17.4	35.2
Business and financial operations .....	1.6	2.0	5.2	11.8	18.9	21.6	17.8	11.6	9.5
Computer and mathematical .....	.6	1.2	3.1	6.6	12.0	17.8	21.8	20.5	16.4
Architecture and engineering .....	.5	1.5	3.9	7.8	13.7	20.3	21.1	18.2	13.1
Life, physical, and social science .....	1.6	3.5	7.5	12.5	17.1	18.5	16.1	12.0	11.3
Community and social services .....	6.4	10.4	17.4	21.2	19.3	14.2	7.5	2.7	.8
Legal.....	1.1	2.1	5.1	10.3	14.1	13.8	11.1	11.0	31.3
Education, training, and library .....	10.6	8.6	9.7	14.4	18.8	17.0	11.7	5.4	3.7
Arts, design, entertainment, sports, and media ....	12.1	9.8	11.8	14.8	15.8	13.8	9.6	6.1	6.2
Healthcare practitioner and technical .....	2.1	4.6	7.7	11.9	18.7	21.1	14.6	8.1	11.1
Healthcare support .....	23.2	31.1	24.2	14.0	5.5	1.5	.4	.1	-
Protective service .....	15.6	14.9	14.6	14.9	13.7	13.1	8.3	3.6	1.2
Food preparation and serving related.....	65.6	18.1	9.2	4.3	1.9	.6	.2	.1	-
Building and grounds cleaning and maintenance.....	40.4	25.2	16.7	9.9	5.4	1.8	.5	.1	-
Personal care and service .....	47.5	22.8	12.2	7.5	4.8	2.7	1.3	.7	.6
Sales and related.....	34.5	17.1	11.6	9.6	8.3	6.6	4.6	3.2	4.5
Office and administrative support.....	13.7	18.9	22.7	20.1	14.6	7.0	2.1	.7	.3
Farming, fishing, and forestry.....	56.3	18.0	11.0	7.1	4.3	2.1	.8	.3	.1
Construction and extraction .....	6.3	11.7	16.5	18.8	17.9	14.8	9.5	3.6	1.0
Installation, maintenance, and repair .....	6.5	10.0	14.6	19.4	21.3	17.2	8.1	2.3	.7
Production .....	16.5	19.3	20.3	18.2	12.8	8.5	3.1	.9	.2
Transportation and material moving.....	25.2	19.3	18.1	15.4	11.6	6.3	2.2	.8	1.0

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 40 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 (from \$13.50 mean hourly wage to \$27.24 mean hourly wage) included business and financial operations occupations; community and social services occupations; education, training, and library occupations; healthcare practitioner and technical occupations; construction and extraction occupations; and installation, maintenance, and repair occupations.

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 334 metropolitan areas based on a sample of 1.2 million establishments, collecting information on over 80 million workers in six semiannual panels. May 2004 OES data for states and metropolitan areas and the national employment and wage data by industry will be available on the BLS Web site in early June.

# 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. Data are collected from panels of about 200,000 establishments each in May and November. Estimates from the program use data collected over a 3-year (six-panel) period and are based on a total sample of about 1.2 million establishments. Each year, the survey samples and contacts two panels of about 200,000 establishments each in May and November. The nationwide response rate for the May 2004 survey was 78.8 percent for establishments, covering 72.7 percent of weighted employment. The survey included establishments sampled in the May 2004, November 2003, May 2003, November 2002, and 2001 panels, in addition to some certainty units from the 2000 sample.

## 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>.

## 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. Data for the United States Postal Service and the federal government are universe counts obtained from the Postal Service and the Office of Personnel Management, respectively. 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 the most of the data. BLS produces cross-industry and industry-specific estimates for the nation, states, and metropolitan statistical areas (MSAs). Industry estimates are produced for the NAICS sector, 3-digit, 4-digit, and selected 5-digit industry levels. BLS releases all cross-industry and national estimates, and the SWAs release industry estimates at the state and MSA levels.

State Unemployment Insurance (UI) files provide the universe from which the OES survey draws its sample. The 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 size class. Size classes are defined based on number of employees in the establishment as follows:

Size class	Number of employees
1	1 to 4
2	5 to 9
3	10 to 19
4	20 to 49
5	50 to 99
6	100 to 249
7	250 and above

A census of federal government and the post office 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) and hospitals (NAICS 622) are sampled with certainty across a 3-year period. Establishments with 250 or more employees also are sampled with virtual certainty across a 3-year period; on average, one-sixth of these are 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 forms sent to larger establishments 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. In most cases, employers with 9 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 May 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 each panel or annual sample (May 2004, November 2003, May 2003, November 2002, and 2001). The average of these mean wage rates was used for all of the \$70.00 and over data in the May 2004 survey. The wage rates for this interval do not go through any wage updating procedures.

*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 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. While estimates can be made with data from



one panel or one year, 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 is also 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 occupational employment totals. A variant of mean imputation is then used to impute a wage distribution for each occupation. The variant of mean imputation for wage distributions is also 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.

*May 2004 OES survey estimates.* The May 2004 OES survey estimates are based on all data collected from establishments in the May 2004, November 2003, May 2003, November 2002, and 2001 samples, in addition to some certainty units from the 2000 sample. During estimates processing, OES employment data were benchmarked to the average employment for May 2004 and November 2003 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 (i.e., 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 May 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 May 2004 cross-industry data for states and metropolitan areas will be available on the BLS Web site in early June 2005. Industry staffing patterns at the sector, 3-, 4-, and selected 5-digit NAICS levels also will be available from the Internet beginning in early June 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](mailto: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, May 2004**

Occupation	Employment	Mean wages		Median hourly wages
		Hourly	Annual <sup>1</sup>	
<b>Management occupations</b>				
Chief executives.....	346,590	\$67.27	\$139,920	\$67.47
General and operations managers.....	1,752,910	44.24	92,010	37.22
Legislators.....	63,440	(?)	30,750	(?)
Advertising and promotions managers.....	57,100	36.76	76,460	30.58
Marketing managers.....	177,550	46.48	96,680	42.13
Sales managers.....	320,240	45.68	95,010	40.49
Public relations managers.....	50,670	38.26	79,580	33.65
Administrative services managers.....	254,610	31.98	66,530	28.99
Computer and information systems managers.....	267,390	47.24	98,260	44.51
Financial managers.....	493,360	44.04	91,610	39.37
Compensation and benefits managers.....	55,040	35.59	74,020	31.99
Training and development managers.....	35,510	35.45	73,730	32.43
Human resources managers, all other.....	58,770	42.11	87,580	39.33
Industrial production managers.....	155,980	38.06	79,170	35.09
Purchasing managers.....	73,480	37.51	78,020	34.83
Transportation, storage, and distribution managers.....	88,100	34.87	72,530	32.02
Farm, ranch, and other agricultural managers.....	4,810	26.51	55,140	24.38
Farmers and ranchers.....	540	20.78	43,230	19.44
Construction managers.....	185,580	37.83	78,690	33.59
Education administrators, preschool and child care center/program.....	50,590	19.74	41,060	17.18
Education administrators, elementary and secondary school.....	209,630	(?)	75,640	(?)
Education administrators, postsecondary.....	101,530	36.44	75,800	32.86
Education administrators, all other.....	22,570	32.01	66,580	28.96
Engineering managers.....	186,380	49.33	102,600	46.94
Food service managers.....	206,340	21.13	43,940	19.04
Funeral directors.....	23,140	25.82	53,710	22.10
Gaming managers.....	3,520	31.77	66,090	28.17
Lodging managers.....	30,860	21.18	44,060	18.11
Medical and health services managers.....	224,070	36.12	75,140	32.42
Natural sciences managers.....	40,240	46.06	95,800	42.63
Postmasters and mail superintendents.....	26,430	24.43	50,820	24.32
Property, real estate, and community association managers.....	159,980	23.44	48,760	19.22
Social and community service managers.....	119,280	24.39	50,740	22.50
Managers, all other.....	354,730	39.28	81,700	37.19
<b>Business and financial operations occupations</b>				
Agents and business managers of artists, performers, and athletes.....	10,860	33.42	69,520	26.48
Purchasing agents and buyers, farm products.....	14,300	24.03	49,980	21.02
Wholesale and retail buyers, except farm products.....	136,930	23.29	48,450	20.30
Purchasing agents, except wholesale, retail, and farm products.....	257,070	24.60	51,180	22.92
Claims adjusters, examiners, and investigators.....	234,950	22.74	47,310	21.26
Insurance appraisers, auto damage.....	12,520	22.01	45,780	21.79
Compliance officers, except agriculture, construction, health and safety, and transportation.....	167,650	24.64	51,260	22.78
Cost estimators.....	191,080	25.90	53,870	24.01
Emergency management specialists.....	10,070	23.73	49,350	21.82
Employment, recruitment, and placement specialists.....	169,750	22.76	47,330	19.80
Compensation, benefits, and job analysis specialists.....	92,940	24.10	50,130	22.83
Training and development specialists.....	200,440	22.97	47,780	21.43
Human resources, training, and labor relations specialists, all other.....	158,930	23.67	49,240	22.85
Logisticians.....	52,470	28.99	60,310	27.46
Management analysts.....	416,340	34.97	72,730	30.51
Meeting and convention planners.....	34,640	20.43	42,490	19.05
Business operations specialists, all other.....	847,170	27.72	57,660	25.70
Accountants and auditors.....	995,910	27.35	56,880	24.41
Appraisers and assessors of real estate.....	62,270	23.73	49,350	20.86
Budget analysts.....	53,300	28.41	59,100	26.94
Credit analysts.....	67,100	26.57	55,280	22.72
Financial analysts.....	177,780	33.89	70,500	29.76
Personal financial advisors.....	94,490	39.70	82,570	30.14
Insurance underwriters.....	96,110	26.08	54,240	23.34
Financial examiners.....	23,400	31.47	65,450	29.00
Loan counselors.....	31,160	18.61	38,710	16.33
Loan officers.....	278,830	27.98	58,200	23.48
Tax examiners, collectors, and revenue agents.....	71,610	23.18	48,210	20.91
Tax preparers.....	51,950	16.50	34,330	13.33
Financial specialists, all other.....	119,840	26.64	55,420	23.82
<b>Computer and mathematical science occupations</b>				
Computer and information scientists, research.....	24,720	42.32	88,020	40.96
Computer programmers.....	412,090	31.69	65,910	30.24
Computer software engineers, applications.....	425,890	37.18	77,330	36.05
Computer software engineers, systems software.....	318,020	39.50	82,160	38.34
Computer support specialists.....	488,540	20.97	43,620	19.44
Computer systems analysts.....	489,130	32.87	68,370	31.95
Database administrators.....	96,960	30.51	63,460	29.16

See footnotes at end of table.

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

Occupation	Employment	Mean wages		Median hourly wages
		Hourly	Annual <sup>1</sup>	
<b>Computer and mathematical science occupations—Continued</b>				
Network and computer systems administrators.....	259,320	\$29.55	\$61,470	\$27.98
Network systems and data communications analysts.....	169,200	30.49	63,410	29.14
Computer specialists, all other.....	130,420	30.31	63,030	28.60
Actuaries.....	16,350	42.05	87,460	36.70
Mathematicians.....	2,410	39.18	81,500	39.06
Operations research analysts.....	55,030	30.49	63,420	28.94
Statisticians.....	17,030	30.42	63,260	28.18
Mathematical technicians.....	1,720	20.99	43,650	18.49
Mathematical scientists, all other.....	8,500	29.67	61,710	29.98
<b>Architecture and engineering occupations</b>				
Architects, except landscape and naval.....	94,280	31.84	66,230	28.99
Landscape architects.....	17,960	27.73	57,680	25.54
Cartographers and photogrammetrists.....	9,870	23.48	48,830	22.15
Surveyors.....	52,680	22.15	46,080	20.66
Aerospace engineers.....	73,650	38.68	80,460	38.03
Agricultural engineers.....	3,220	29.04	60,400	27.17
Biomedical engineers.....	8,650	34.04	70,800	32.54
Chemical engineers.....	30,320	38.49	80,050	36.91
Civil engineers.....	218,220	32.18	66,930	30.88
Computer hardware engineers.....	74,760	40.39	84,010	39.02
Electrical engineers.....	148,310	35.68	74,220	34.43
Electronics engineers, except computer.....	135,560	37.24	77,450	36.43
Environmental engineers.....	47,690	32.86	68,350	31.96
Health and safety engineers, except mining safety engineers and inspectors.....	25,860	31.78	66,110	30.64
Industrial engineers.....	174,960	32.05	66,660	31.26
Marine engineers and naval architects.....	6,620	35.44	73,720	34.63
Materials engineers.....	21,130	33.36	69,390	32.26
Mechanical engineers.....	217,010	32.91	68,460	31.88
Mining and geological engineers, including mining safety engineers.....	5,050	32.77	68,160	31.10
Nuclear engineers.....	17,180	42.67	88,760	40.81
Petroleum engineers.....	14,690	44.15	91,820	42.55
Engineers, all other.....	159,720	36.32	75,540	35.78
Architectural and civil drafters.....	101,060	19.59	40,750	18.84
Electrical and electronics drafters.....	34,850	22.48	46,760	20.76
Mechanical drafters.....	76,610	21.70	45,140	20.67
Drafters, all other.....	22,620	21.91	45,560	20.13
Aerospace engineering and operations technicians.....	9,260	25.98	54,040	25.24
Civil engineering technicians.....	90,000	19.18	39,900	18.50
Electrical and electronic engineering technicians.....	178,560	22.66	47,130	22.26
Electro-mechanical technicians.....	18,770	20.74	43,130	19.92
Environmental engineering technicians.....	19,840	19.55	40,660	18.53
Industrial engineering technicians.....	68,210	22.64	47,080	20.96
Mechanical engineering technicians.....	46,990	21.66	45,050	20.87
Engineering technicians, except drafters, all other.....	88,100	23.86	49,630	23.77
Surveying and mapping technicians.....	60,530	15.76	32,780	14.60
<b>Life, physical, and social science occupations</b>				
Animal scientists.....	1,540	25.87	53,800	24.00
Food scientists and technologists.....	7,210	26.98	56,110	24.44
Soil and plant scientists.....	9,690	26.67	55,470	24.62
Biochemists and biophysicists.....	15,200	34.48	71,730	33.15
Microbiologists.....	13,880	29.45	61,250	26.37
Zoologists and wildlife biologists.....	15,050	25.54	53,120	24.20
Biological scientists, all other.....	26,180	29.03	60,370	27.05
Conservation scientists.....	14,290	25.72	53,500	25.23
Foresters.....	10,250	23.91	49,730	23.19
Epidemiologists.....	4,560	27.91	58,060	26.35
Medical scientists, except epidemiologists.....	66,450	33.04	68,730	29.48
Life scientists, all other.....	13,870	30.63	63,710	26.65
Astronomers.....	680	44.99	93,580	46.79
Physicists.....	14,150	42.83	89,090	42.04
Atmospheric and space scientists.....	7,070	33.46	69,590	33.70
Chemists.....	79,650	29.43	61,220	26.95
Materials scientists.....	7,330	35.77	74,390	34.80
Environmental scientists and specialists, including health.....	66,850	26.53	55,190	24.56
Geoscientists, except hydrologists and geographers.....	25,100	36.96	76,870	33.04
Hydrologists.....	7,290	30.82	64,100	29.57
Physical scientists, all other.....	25,260	39.21	81,560	38.53
Economists.....	12,030	38.35	79,770	34.99
Market research analysts.....	170,200	30.28	62,990	26.99
Survey researchers.....	19,480	15.39	32,010	12.74
Clinical, counseling, and school psychologists.....	96,540	29.24	60,810	26.42
Industrial-organizational psychologists.....	1,500	37.88	78,800	34.33
Psychologists, all other.....	6,480	33.53	69,740	34.57

See footnotes at end of table.



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

Occupation	Employment	Mean wages		Median hourly wages
		Hourly	Annual <sup>1</sup>	
<b>Life, physical, and social science occupations—Continued</b>				
Sociologists.....	3,640	\$30.46	\$63,350	\$27.82
Urban and regional planners.....	31,140	26.75	55,640	25.70
Anthropologists and archeologists.....	4,510	22.86	47,550	21.10
Geographers.....	750	28.65	59,600	28.35
Historians.....	2,350	23.48	48,850	21.39
Political scientists.....	4,370	41.24	85,770	41.71
Social scientists and related workers, all other.....	31,990	29.09	60,500	28.12
Agricultural and food science technicians.....	18,940	15.37	31,980	14.29
Biological technicians.....	59,710	17.04	35,450	15.97
Chemical technicians.....	61,700	19.04	39,600	18.35
Geological and petroleum technicians.....	10,420	20.85	43,360	19.35
Nuclear technicians.....	7,210	28.28	58,830	28.46
Social science research assistants.....	15,710	17.26	35,900	16.52
Environmental science and protection technicians, including health.....	29,460	17.90	37,230	16.99
Forensic science technicians.....	9,230	22.83	47,490	21.16
Forest and conservation technicians.....	29,910	14.79	30,770	13.14
Life, physical, and social science technicians, all other.....	72,580	20.52	42,680	18.19
<b>Community and social services occupations</b>				
Substance abuse and behavioral disorder counselors.....	68,880	16.50	34,310	15.45
Educational, vocational, and school counselors.....	220,690	22.88	47,590	21.91
Marriage and family therapists.....	20,710	20.21	42,040	18.74
Mental health counselors.....	89,300	17.31	36,000	15.85
Rehabilitation counselors.....	115,150	14.76	30,710	13.40
Counselors, all other.....	21,970	18.21	37,880	16.82
Child, family, and school social workers.....	250,790	18.19	37,830	16.74
Medical and public health social workers.....	103,180	19.92	41,440	19.27
Mental health and substance abuse social workers.....	108,950	17.34	36,060	16.31
Social workers, all other.....	60,120	19.80	41,180	18.96
Health educators.....	46,490	20.25	42,120	18.50
Probation officers and correctional treatment specialists.....	89,170	20.53	42,690	19.04
Social and human service assistants.....	331,860	12.45	25,890	11.67
Community and social service specialists, all other.....	89,250	16.57	34,470	15.64
Clergy.....	35,790	19.23	40,000	17.64
Directors, religious activities and education.....	12,620	16.14	33,560	14.76
Religious workers, all other.....	8,810	11.41	23,730	9.01
<b>Legal occupations</b>				
Lawyers.....	521,130	52.30	108,790	45.64
Administrative law judges, adjudicators, and hearing officers.....	14,830	35.44	73,710	33.14
Arbitrators, mediators, and conciliators.....	4,940	29.08	60,480	26.32
Judges, magistrate judges, and magistrates.....	25,500	42.96	89,360	44.75
Paralegals and legal assistants.....	210,020	19.95	41,490	18.81
Court reporters.....	15,520	22.63	47,070	20.63
Law clerks.....	43,300	16.92	35,180	16.34
Title examiners, abstractors, and searchers.....	53,700	18.93	39,360	16.77
Legal support workers, all other.....	69,590	21.79	45,330	20.26
<b>Education, training, and library occupations</b>				
Business teachers, postsecondary.....	68,340	( <sup>2</sup> )	65,430	( <sup>2</sup> )
Computer science teachers, postsecondary.....	37,260	( <sup>2</sup> )	58,140	( <sup>2</sup> )
Mathematical science teachers, postsecondary.....	43,760	( <sup>2</sup> )	57,240	( <sup>2</sup> )
Architecture teachers, postsecondary.....	5,700	( <sup>2</sup> )	65,510	( <sup>2</sup> )
Engineering teachers, postsecondary.....	33,520	( <sup>2</sup> )	77,070	( <sup>2</sup> )
Agricultural sciences teachers, postsecondary.....	10,230	( <sup>2</sup> )	67,520	( <sup>2</sup> )
Biological science teachers, postsecondary.....	60,260	( <sup>2</sup> )	73,220	( <sup>2</sup> )
Forestry and conservation science teachers, postsecondary.....	2,970	( <sup>2</sup> )	67,660	( <sup>2</sup> )
Atmospheric, earth, marine, and space sciences teachers, postsecondary.....	8,660	( <sup>2</sup> )	70,300	( <sup>2</sup> )
Chemistry teachers, postsecondary.....	18,720	( <sup>2</sup> )	63,520	( <sup>2</sup> )
Environmental science teachers, postsecondary.....	3,860	( <sup>2</sup> )	66,790	( <sup>2</sup> )
Physics teachers, postsecondary.....	12,590	( <sup>2</sup> )	69,210	( <sup>2</sup> )
Anthropology and archeology teachers, postsecondary.....	4,990	( <sup>2</sup> )	66,060	( <sup>2</sup> )
Area, ethnic, and cultural studies teachers, postsecondary.....	7,670	( <sup>2</sup> )	62,940	( <sup>2</sup> )
Economics teachers, postsecondary.....	12,230	( <sup>2</sup> )	73,280	( <sup>2</sup> )
Geography teachers, postsecondary.....	4,180	( <sup>2</sup> )	61,020	( <sup>2</sup> )
Political science teachers, postsecondary.....	13,230	( <sup>2</sup> )	64,950	( <sup>2</sup> )
Psychology teachers, postsecondary.....	29,400	( <sup>2</sup> )	60,800	( <sup>2</sup> )
Sociology teachers, postsecondary.....	14,220	( <sup>2</sup> )	59,830	( <sup>2</sup> )
Social sciences teachers, postsecondary, all other.....	6,310	( <sup>2</sup> )	68,460	( <sup>2</sup> )
Health specialties teachers, postsecondary.....	105,610	( <sup>2</sup> )	76,720	( <sup>2</sup> )
Nursing instructors and teachers, postsecondary.....	34,360	( <sup>2</sup> )	55,770	( <sup>2</sup> )
Education teachers, postsecondary.....	47,710	( <sup>2</sup> )	52,850	( <sup>2</sup> )
Library science teachers, postsecondary.....	3,740	( <sup>2</sup> )	54,590	( <sup>2</sup> )
Criminal justice and law enforcement teachers, postsecondary.....	9,550	( <sup>2</sup> )	51,500	( <sup>2</sup> )
Law teachers, postsecondary.....	12,580	( <sup>2</sup> )	95,300	( <sup>2</sup> )
Social work teachers, postsecondary.....	6,670	( <sup>2</sup> )	56,620	( <sup>2</sup> )
Art, drama, and music teachers, postsecondary.....	63,730	( <sup>2</sup> )	52,750	( <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 2004—Continued**

Occupation	Employment	Mean wages		Median hourly wages
		Hourly	Annual <sup>1</sup>	
<b>Education, training, and library occupations—Continued</b>				
Communications teachers, postsecondary.....	20,760	(?)	\$53,130	(?)
English language and literature teachers, postsecondary.....	57,400	(?)	52,560	(?)
Foreign language and literature teachers, postsecondary.....	22,460	(?)	51,620	(?)
History teachers, postsecondary.....	19,190	(?)	58,490	(?)
Philosophy and religion teachers, postsecondary.....	17,170	(?)	56,630	(?)
Graduate teaching assistants.....	111,730	(?)	27,860	(?)
Home economics teachers, postsecondary.....	3,870	(?)	50,810	(?)
Recreation and fitness studies teachers, postsecondary.....	15,470	(?)	47,360	(?)
Vocational education teachers, postsecondary.....	112,990	21.19	44,060	19.59
Postsecondary teachers, all other.....	248,330	30.73	63,920	27.93
Preschool teachers, except special education.....	354,800	11.51	23,940	10.09
Kindergarten teachers, except special education.....	164,530	(?)	44,000	(?)
Elementary school teachers, except special education.....	1,422,840	(?)	45,670	(?)
Middle school teachers, except special and vocational education.....	623,400	(?)	46,510	(?)
Vocational education teachers, middle school.....	16,820	(?)	46,250	(?)
Secondary school teachers, except special and vocational education.....	1,021,180	(?)	48,420	(?)
Vocational education teachers, secondary school.....	102,210	(?)	48,000	(?)
Special education teachers, preschool, kindergarten, and elementary school.....	205,960	(?)	46,420	(?)
Special education teachers, middle school.....	98,840	(?)	48,910	(?)
Special education teachers, secondary school.....	138,470	(?)	49,620	(?)
Adult literacy, remedial education, and GED teachers and instructors.....	63,200	20.92	43,520	18.74
Self-enrichment education teachers.....	141,180	16.93	35,210	14.85
Teachers and instructors, all other.....	505,570	(?)	33,100	(?)
Archivists.....	5,190	19.05	39,630	17.54
Curators.....	8,590	23.04	47,920	20.97
Museum technicians and conservators.....	8,850	16.96	35,270	15.30
Librarians.....	149,680	22.88	47,590	22.07
Library technicians.....	113,520	12.63	26,260	11.99
Audio-visual collections specialists.....	8,420	17.13	35,630	15.86
Farm and home management advisors.....	12,620	21.62	44,960	20.00
Instructional coordinators.....	106,590	24.74	51,450	23.46
Teacher assistants.....	1,242,760	(?)	20,400	(?)
Education, training, and library workers, all other.....	65,150	16.29	33,890	14.29
<b>Arts, design, entertainment, sports, and media occupations</b>				
Art directors.....	26,870	35.21	73,240	30.69
Craft artists.....	3,890	13.33	27,720	11.31
Fine artists, including painters, sculptors, and illustrators.....	9,570	20.98	43,640	18.30
Multi-media artists and animators.....	30,210	27.65	57,520	24.21
Artists and related workers, all other.....	5,370	18.02	37,490	14.72
Commercial and industrial designers.....	33,050	26.77	55,670	25.15
Fashion designers.....	12,100	30.84	64,150	26.85
Floral designers.....	67,710	10.51	21,860	9.83
Graphic designers.....	159,720	20.25	42,120	18.28
Interior designers.....	46,360	21.59	44,900	19.56
Merchandise displayers and window trimmers.....	62,220	12.51	26,020	10.89
Set and exhibit designers.....	8,750	19.23	40,000	17.21
Designers, all other.....	12,650	22.27	46,320	20.31
Actors.....	59,000	22.48	(?)	11.28
Producers and directors.....	55,260	34.84	72,470	25.40
Athletes and sports competitors.....	12,250	(?)	86,690	(?)
Coaches and scouts.....	122,930	(?)	32,780	(?)
Umpires, referees, and other sports officials.....	11,440	(?)	27,850	(?)
Dancers.....	14,880	12.15	(?)	8.54
Choreographers.....	15,360	18.39	38,250	16.19
Music directors and composers.....	8,870	21.06	43,810	16.62
Musicians and singers.....	52,000	24.96	(?)	17.85
Entertainers and performers, sports and related workers, all other.....	54,800	18.82	(?)	16.73
Radio and television announcers.....	41,430	15.22	31,650	10.64
Public address system and other announcers.....	8,180	14.08	29,290	10.56
Broadcast news analysts.....	6,930	27.28	56,740	17.78
Reporters and correspondents.....	52,550	18.58	38,650	15.06
Public relations specialists.....	166,210	23.80	49,510	21.07
Editors.....	100,790	23.65	49,190	21.10
Technical writers.....	45,100	27.24	56,650	25.71
Writers and authors.....	42,780	25.52	53,080	21.32
Interpreters and translators.....	25,410	17.61	36,630	16.28
Media and communication workers, all other.....	27,380	21.66	45,060	19.64
Audio and video equipment technicians.....	40,050	17.62	36,650	15.66
Broadcast technicians.....	29,940	16.14	33,560	13.47
Radio operators.....	1,670	17.06	35,490	15.73
Sound engineering technicians.....	11,650	21.91	45,570	18.32
Photographers.....	54,400	15.00	31,200	12.54
Camera operators, television, video, and motion picture.....	21,600	20.04	41,690	18.08
Film and video editors.....	15,800	24.37	50,690	20.96

See footnotes at end of table.

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

Occupation	Employment	Mean wages		Median hourly wages
		Hourly	Annual <sup>1</sup>	
<b>Arts, design, entertainment, sports, and media occupations—Continued</b>				
Media and communication equipment workers, all other.....	18,570	\$22.36	\$46,510	\$19.77
<b>Healthcare practitioner and technical occupations</b>				
Chiropractors.....	21,830	42.01	87,390	33.61
Dentists, general.....	84,240	63.87	132,850	59.16
Oral and maxillofacial surgeons.....	4,950	79.69	165,750	( <sup>†</sup> )
Orthodontists.....	6,190	72.45	150,700	( <sup>†</sup> )
Prosthodontists.....	730	70.04	145,670	( <sup>†</sup> )
Dentists, all other specialists.....	2,710	62.64	130,300	60.64
Dietitians and nutritionists.....	46,530	21.46	44,640	20.98
Optometrists.....	22,780	46.53	96,780	42.51
Pharmacists.....	222,960	40.56	84,370	40.82
Anesthesiologists.....	25,130	83.77	174,250	( <sup>†</sup> )
Family and general practitioners.....	106,750	66.58	138,490	65.91
Internists, general.....	51,180	76.06	158,200	( <sup>†</sup> )
Obstetricians and gynecologists.....	20,850	84.74	176,270	( <sup>†</sup> )
Pediatricians, general.....	26,520	68.04	141,520	65.26
Psychiatrists.....	22,440	72.17	150,110	( <sup>†</sup> )
Surgeons.....	55,800	87.31	181,610	( <sup>†</sup> )
Physicians and surgeons, all other.....	162,720	66.16	137,610	67.44
Physician assistants.....	59,470	33.07	68,780	33.37
Podiatrists.....	7,550	52.11	108,400	45.38
Registered nurses.....	2,311,970	26.06	54,210	25.16
Audiologists.....	9,810	26.47	55,050	24.74
Occupational therapists.....	83,560	27.19	56,550	26.28
Physical therapists.....	142,940	30.00	62,390	28.93
Radiation therapists.....	14,470	29.05	60,420	27.74
Recreational therapists.....	23,050	16.48	34,280	15.82
Respiratory therapists.....	91,350	21.24	44,180	20.74
Speech-language pathologists.....	89,260	26.71	55,550	25.20
Therapists, all other.....	8,090	21.45	44,620	19.32
Veterinarians.....	46,090	36.07	75,030	32.01
Health diagnosing and treating practitioners, all other.....	56,920	44.38	92,300	27.87
Medical and clinical laboratory technologists.....	151,240	22.41	46,600	21.99
Medical and clinical laboratory technicians.....	141,720	15.44	32,120	14.83
Dental hygienists.....	155,810	28.58	59,440	28.05
Cardiovascular technologists and technicians.....	43,540	19.09	39,710	18.60
Diagnostic medical sonographers.....	41,280	25.78	53,620	25.24
Nuclear medicine technologists.....	17,520	29.43	61,210	27.14
Radiologic technologists and technicians.....	177,220	21.41	44,530	20.84
Emergency medical technicians and paramedics.....	187,900	13.30	27,650	12.17
Dietetic technicians.....	24,630	11.89	24,730	11.05
Pharmacy technicians.....	255,290	11.87	24,700	11.37
Psychiatric technicians.....	59,010	13.43	27,940	12.28
Respiratory therapy technicians.....	24,190	18.00	37,440	17.67
Surgical technologists.....	82,280	16.72	34,770	16.35
Veterinary technologists and technicians.....	58,570	12.49	25,990	11.99
Licensed practical and licensed vocational nurses.....	702,740	16.75	34,840	16.33
Medical records and health information technicians.....	155,030	13.30	27,660	12.30
Opticians, dispensing.....	62,350	14.37	29,880	13.44
Orthotists and prosthetists.....	4,930	27.47	57,130	24.17
Health technologists and technicians, all other.....	72,390	18.10	37,650	16.46
Occupational health and safety specialists.....	36,360	25.54	53,110	24.79
Occupational health and safety technicians.....	11,190	21.31	44,320	20.25
Athletic trainers.....	13,100	( <sup>?</sup> )	36,350	( <sup>?</sup> )
Healthcare practitioners and technical workers, all other.....	52,240	18.20	37,860	16.04
<b>Healthcare support occupations</b>				
Home health aides.....	596,330	9.13	18,980	8.81
Nursing aides, orderlies, and attendants.....	1,384,120	10.39	21,610	10.09
Psychiatric aides.....	54,520	11.70	24,340	11.19
Occupational therapist assistants.....	20,880	18.49	38,460	18.48
Occupational therapist aides.....	5,240	12.51	26,030	11.13
Physical therapist assistants.....	57,420	18.14	37,730	18.22
Physical therapist aides.....	41,910	11.14	23,160	10.28
Massage therapists.....	32,200	17.63	36,670	15.36
Dental assistants.....	264,820	13.97	29,060	13.62
Medical assistants.....	380,340	12.21	25,400	11.83
Medical equipment preparers.....	40,380	12.14	25,240	11.76
Medical transcriptionists.....	92,740	14.01	29,150	13.64
Pharmacy aides.....	47,720	9.52	19,810	8.86
Veterinary assistants and laboratory animal caretakers.....	70,200	9.44	19,640	8.97
Healthcare support workers, all other.....	182,550	12.62	26,250	12.01

See footnotes at end of table.

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

Occupation	Employment	Mean wages		Median hourly wages
		Hourly	Annual <sup>1</sup>	
<b>Protective service occupations</b>				
First-line supervisors/managers of correctional officers.....	35,880	\$22.83	\$47,490	\$21.50
First-line supervisors/managers of police and detectives.....	96,080	31.34	65,180	30.97
First-line supervisors/managers of fire fighting and prevention workers.....	54,170	29.26	60,860	28.33
First-line supervisors/managers, protective service workers, all other.....	47,280	20.05	41,690	17.91
Fire fighters.....	273,630	19.06	39,640	18.43
Fire inspectors and investigators.....	12,500	23.03	47,890	22.28
Forest fire inspectors and prevention specialists.....	1,580	19.98	41,560	18.77
Bailiffs.....	17,270	16.80	34,950	16.28
Correctional officers and jailers.....	409,580	17.29	35,970	16.15
Detectives and criminal investigators.....	86,880	27.16	56,500	25.96
Fish and game wardens.....	7,050	23.60	49,090	20.57
Parking enforcement workers.....	9,990	14.37	29,890	13.64
Police and sheriff's patrol officers.....	616,340	22.20	46,180	21.74
Transit and railroad police.....	4,610	22.77	47,370	21.84
Animal control workers.....	13,780	13.15	27,360	12.60
Private detectives and investigators.....	31,220	17.47	36,330	15.44
Gaming surveillance officers and gaming investigators.....	8,560	13.69	28,470	12.42
Security guards.....	978,570	10.61	22,070	9.77
Crossing guards.....	70,180	9.94	20,670	9.28
Lifeguards, ski patrol, and other recreational protective service workers.....	108,210	8.43	17,530	7.95
Protective service workers, all other.....	122,740	14.54	30,240	13.50
<b>Food preparation and serving related occupations</b>				
Chefs and head cooks.....	116,930	16.42	34,160	14.75
First-line supervisors/managers of food preparation and serving workers.....	733,680	13.21	27,480	12.22
Cooks, fast food.....	652,500	7.33	15,250	7.07
Cooks, institution and cafeteria.....	401,110	9.55	19,860	9.10
Cooks, private household.....	650	10.83	22,530	9.42
Cooks, restaurant.....	765,670	9.73	20,230	9.39
Cooks, short order.....	225,740	8.46	17,590	8.11
Cooks, all other.....	10,780	10.87	22,600	10.09
Food preparation workers.....	863,700	8.47	17,620	8.03
Bartenders.....	463,000	8.29	17,240	7.42
Combined food preparation and serving workers, including fast food.....	2,140,740	7.40	15,390	7.06
Counter attendants, cafeteria, food concession, and coffee shop.....	458,610	7.78	16,170	7.53
Waiters and waitresses.....	2,219,850	7.66	15,930	6.75
Food servers, nonrestaurant.....	186,770	8.58	17,840	7.95
Dining room and cafeteria attendants and bartender helpers.....	390,980	7.44	15,470	7.10
Dishwashers.....	497,650	7.50	15,600	7.35
Hosts and hostesses, restaurant, lounge, and coffee shop.....	316,400	7.82	16,260	7.52
Food preparation and serving related workers, all other.....	62,620	8.89	18,490	8.26
<b>Building and grounds cleaning and maintenance occupations</b>				
First-line supervisors/managers of housekeeping and janitorial workers.....	199,990	15.32	31,880	14.19
First-line supervisors/managers of landscaping, lawn service, and groundskeeping workers.....	102,380	18.38	38,230	16.99
Janitors and cleaners, except maids and housekeeping cleaners.....	2,103,490	9.91	20,620	9.04
Maids and housekeeping cleaners.....	880,150	8.62	17,930	8.13
Building cleaning workers, all other.....	13,580	10.74	22,350	10.17
Pest control workers.....	59,080	13.38	27,830	12.61
Landscaping and groundskeeping workers.....	860,200	10.62	22,080	9.82
Pesticide handlers, sprayers, and applicators, vegetation.....	24,200	12.74	26,500	12.30
Tree trimmers and pruners.....	39,600	13.37	27,800	12.57
Grounds maintenance workers, all other.....	17,760	11.18	23,250	9.57
<b>Personal care and service occupations</b>				
Gaming supervisors.....	25,040	19.98	41,570	19.64
Slot key persons.....	16,210	12.07	25,110	11.06
First-line supervisors/managers of personal service workers.....	121,250	16.07	33,430	14.59
Animal trainers.....	8,060	12.48	25,950	10.60
Nonfarm animal caretakers.....	81,110	9.24	19,220	8.39
Gaming dealers.....	82,560	7.89	16,420	6.89
Gaming and sports book writers and runners.....	18,290	9.76	20,310	8.84
Gaming service workers, all other.....	14,860	10.85	22,570	10.01
Motion picture projectionists.....	10,290	9.55	19,870	8.32
Ushers, lobby attendants, and ticket takers.....	110,420	8.07	16,780	7.30
Amusement and recreation attendants.....	241,110	8.00	16,630	7.47
Costume attendants.....	3,460	13.81	28,720	12.04
Locker room, coatroom, and dressing room attendants.....	24,320	8.80	18,310	8.44
Entertainment attendants and related workers, all other.....	37,080	8.57	17,820	8.14
Embalmers.....	8,660	17.93	37,300	17.09
Funeral attendants.....	29,660	10.05	20,900	9.26
Barbers.....	15,830	12.04	25,040	10.19

See footnotes at end of table.

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

Occupation	Employment	Mean wages		Median hourly wages
		Hourly	Annual <sup>1</sup>	
<b>Personal care and service occupations—Continued</b>				
Hairdressers, hairstylists, and cosmetologists.....	331,260	\$10.95	\$22,770	\$9.52
Makeup artists, theatrical and performance.....	1,060	15.28	31,780	11.74
Manicurists and pedicurists.....	38,030	9.65	20,080	8.89
Shampooers.....	16,180	7.51	15,610	7.03
Skin care specialists.....	19,650	13.20	27,450	11.55
Baggage porters and bellhops.....	55,910	10.46	21,760	8.54
Concierges.....	17,310	11.93	24,820	11.23
Tour guides and escorts.....	28,660	9.92	20,640	9.32
Travel guides.....	4,140	14.30	29,750	13.20
Flight attendants.....	101,980	( <sup>2</sup> )	51,160	( <sup>2</sup> )
Transportation attendants, except flight attendants and baggage porters.....	27,730	9.99	20,780	9.17
Child care workers.....	513,110	8.57	17,830	8.06
Personal and home care aides.....	532,490	8.38	17,430	8.12
Fitness trainers and aerobics instructors.....	182,280	14.98	31,170	12.25
Recreation workers.....	266,520	10.43	21,690	9.29
Residential advisors.....	49,960	11.17	23,240	10.30
Personal care and service workers, all other.....	65,070	9.81	20,410	8.63
<b>Sales and related occupations</b>				
First-line supervisors/managers of retail sales workers.....	1,087,830	18.01	37,470	15.73
First-line supervisors/managers of non-retail sales workers.....	307,610	34.33	71,420	28.51
Cashiers.....	3,438,070	8.29	17,250	7.81
Gaming change persons and booth cashiers.....	28,830	10.04	20,890	9.87
Counter and rental clerks.....	444,850	10.47	21,770	8.79
Parts salespersons.....	236,710	13.58	28,240	12.32
Retail salespersons.....	4,130,470	11.03	22,930	8.98
Advertising sales agents.....	144,690	23.76	49,420	19.37
Insurance sales agents.....	285,390	26.77	55,680	20.06
Securities, commodities, and financial services sales agents.....	240,500	43.77	91,040	33.27
Travel agents.....	90,500	14.25	29,650	13.29
Sales representatives, services, all other.....	352,050	25.93	53,940	22.60
Sales representatives, wholesale and manufacturing, technical and scientific products.....	378,080	32.37	67,330	28.17
Sales representatives, wholesale and manufacturing, except technical and scientific products.....	1,385,630	25.91	53,900	21.83
Demonstrators and product promoters.....	93,240	12.00	24,960	9.95
Models.....	1,410	13.21	27,480	10.50
Real estate brokers.....	40,050	37.43	77,850	28.23
Real estate sales agents.....	126,470	23.05	47,950	17.15
Sales engineers.....	71,690	36.42	75,740	33.95
Telemarketers.....	410,360	11.29	23,490	9.82
Door-to-door sales workers, news and street vendors, and related workers.....	15,200	13.36	27,790	10.85
Sales and related workers, all other.....	198,230	18.44	38,350	15.09
<b>Office and administrative support occupations</b>				
First-line supervisors/managers of office and administrative support workers.....	1,406,240	21.15	43,990	19.72
Switchboard operators, including answering service.....	206,370	10.81	22,490	10.38
Telephone operators.....	38,500	14.53	30,220	13.65
Communications equipment operators, all other.....	4,040	15.98	33,240	15.23
Bill and account collectors.....	445,180	13.95	29,010	13.20
Billing and posting clerks and machine operators.....	496,780	13.50	28,070	13.00
Bookkeeping, accounting, and auditing clerks.....	1,770,860	14.34	29,830	13.74
Gaming cage workers.....	19,710	11.09	23,070	10.74
Payroll and timekeeping clerks.....	205,670	15.02	31,240	14.59
Procurement clerks.....	71,740	15.11	31,420	14.85
Tellers.....	552,860	10.30	21,420	10.15
Brokerage clerks.....	73,910	18.15	37,750	16.94
Correspondence clerks.....	21,590	14.19	29,510	13.51
Court, municipal, and license clerks.....	103,090	14.63	30,420	13.67
Credit authorizers, checkers, and clerks.....	66,010	15.15	31,520	13.97
Customer service representatives.....	2,021,350	14.01	29,130	12.99
Eligibility interviewers, government programs.....	93,250	16.25	33,800	15.92
File clerks.....	242,640	10.72	22,310	10.11
Hotel, motel, and resort desk clerks.....	190,300	8.93	18,570	8.51
Interviewers, except eligibility and loan.....	193,780	11.91	24,770	11.38
Library assistants, clerical.....	102,310	10.57	21,990	9.96
Loan interviewers and clerks.....	209,320	14.75	30,680	13.94
New accounts clerks.....	96,560	13.55	28,180	12.91
Order clerks.....	289,830	12.85	26,730	12.07
Human resources assistants, except payroll and timekeeping.....	164,940	15.77	32,810	15.26
Receptionists and information clerks.....	1,071,230	10.91	22,690	10.50

See footnotes at end of table.

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

Occupation	Employment	Mean wages		Median hourly wages
		Hourly	Annual <sup>1</sup>	
<b>Office and administrative support occupations—Continued</b>				
Reservation and transportation ticket agents and travel clerks.....	159,910	\$14.48	\$30,120	\$13.34
All other information and record clerks.....	269,070	18.34	38,150	15.44
Cargo and freight agents.....	70,000	17.24	35,870	16.47
Couriers and messengers.....	111,700	10.26	21,330	9.71
Police, fire, and ambulance dispatchers.....	90,930	14.58	30,330	13.91
Dispatchers, except police, fire, and ambulance.....	165,910	16.01	33,310	14.87
Meter readers, utilities.....	48,830	15.03	31,260	14.15
Postal service clerks.....	76,870	19.82	41,230	19.69
Postal service mail carriers.....	344,050	20.85	43,370	21.37
Postal service mail sorters, processors, and processing machine operators.....	214,400	18.12	37,690	18.96
Production, planning, and expediting clerks.....	285,940	18.10	37,650	17.47
Shipping, receiving, and traffic clerks.....	747,270	12.43	25,850	11.73
Stock clerks and order fillers.....	1,561,530	10.52	21,890	9.66
Weighers, measurers, checkers, and samplers, recordkeeping.....	83,570	12.92	26,880	11.81
Executive secretaries and administrative assistants.....	1,422,610	17.69	36,790	16.81
Legal secretaries.....	264,070	18.40	38,280	17.65
Medical secretaries.....	360,850	13.42	27,900	12.76
Secretaries, except legal, medical, and executive.....	1,743,560	13.06	27,160	12.55
Computer operators.....	140,870	15.79	32,850	14.94
Data entry keyers.....	313,590	11.72	24,380	11.18
Word processors and typists.....	168,430	14.17	29,480	13.48
Desktop publishers.....	32,790	16.40	34,110	15.55
Insurance claims and policy processing clerks.....	239,250	14.70	30,580	14.06
Mail clerks and mail machine operators, except postal service.....	149,700	11.27	23,440	10.76
Office clerks, general.....	2,970,660	11.62	24,170	10.95
Office machine operators, except computer.....	97,140	11.83	24,610	11.16
Proofreaders and copy markers.....	20,530	12.99	27,010	12.18
Statistical assistants.....	18,560	15.19	31,600	14.55
Office and administrative support workers, all other.....	318,430	13.16	27,380	12.22
<b>Farming, fishing, and forestry occupations</b>				
First-line supervisors/managers of farming, fishing, and forestry workers.....	19,890	18.50	38,480	17.06
Farm labor contractors.....	2,770	10.84	22,540	8.42
Agricultural inspectors.....	12,300	16.05	33,390	14.92
Animal breeders.....	1,530	15.74	32,730	13.55
Graders and sorters, agricultural products.....	50,110	8.52	17,710	7.90
Agricultural equipment operators.....	20,960	9.76	20,300	8.88
Farmworkers and laborers, crop, nursery, and greenhouse.....	240,000	8.07	16,780	7.70
Farmworkers, farm and ranch animals.....	43,250	9.07	18,870	8.31
Agricultural workers, all other.....	9,500	11.06	23,010	10.15
Fishers and related fishing workers.....	940	14.04	29,200	11.58
Forest and conservation workers.....	9,140	11.34	23,590	9.51
Fallers.....	10,180	15.15	31,510	13.23
Logging equipment operators.....	27,690	13.75	28,600	13.18
Log graders and scalers.....	4,870	13.21	27,480	12.29
Logging workers, all other.....	5,680	14.06	29,240	14.29
<b>Construction and extraction occupations</b>				
First-line supervisors/managers of construction trades and extraction workers.....	542,440	25.95	53,980	24.25
Boilermakers.....	18,520	22.29	46,360	21.68
Brickmasons and blockmasons.....	107,660	20.42	42,480	20.07
Stonemasons.....	16,320	17.75	36,920	16.82
Carpenters.....	882,490	18.26	37,970	16.78
Carpet installers.....	40,170	17.72	36,860	16.39
Floor layers, except carpet, wood, and hard tiles.....	15,800	17.13	35,640	15.68
Floor sanders and finishers.....	6,430	13.93	28,980	12.88
Tile and marble setters.....	42,930	18.28	38,020	17.02
Cement masons and concrete finishers.....	191,690	16.36	34,030	15.10
Terrazzo workers and finishers.....	6,700	15.47	32,170	13.45
Construction laborers.....	854,840	13.86	28,830	12.10
Paving, surfacing, and tamping equipment operators.....	61,860	16.07	33,430	14.42
Pile-driver operators.....	4,450	22.46	46,720	21.29
Operating engineers and other construction equipment operators.....	357,080	18.62	38,730	17.00
Drywall and ceiling tile installers.....	113,350	17.71	36,830	16.36
Tapers.....	36,370	19.25	40,040	18.78
Electricians.....	582,920	21.58	44,900	20.33
Glaziers.....	43,140	17.63	36,680	15.70
Insulation workers, floor, ceiling, and wall.....	37,000	16.12	33,530	14.57
Insulation workers, mechanical.....	17,110	17.48	36,350	16.03
Painters, construction and maintenance.....	249,560	15.87	33,010	14.55
Paperhangers.....	7,660	16.87	35,090	15.73
Pipelayers.....	54,470	15.40	32,040	13.68
Plumbers, pipefitters, and steamfitters.....	424,360	21.21	44,110	19.85
Plasterers and stucco masons.....	54,920	16.96	35,270	15.60
Reinforcing iron and rebar workers.....	32,660	19.32	40,190	16.90
Roofers.....	119,820	16.17	33,630	14.83

See footnotes at end of table.



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

Occupation	Employment	Mean wages		Median hourly wages
		Hourly	Annual <sup>1</sup>	
<b>Construction and extraction occupations—Continued</b>				
Sheet metal workers.....	184,740	\$18.63	\$38,760	\$17.09
Structural iron and steel workers.....	70,240	21.30	44,300	20.40
Helpers—brickmasons, blockmasons, stonemasons, and tile and marble setters.....	61,680	13.40	27,860	12.00
Helpers—carpenters.....	106,130	10.94	22,750	10.38
Helpers—electricians.....	92,820	11.97	24,890	11.26
Helpers—painters, paperhangers, plasterers, and stucco masons.....	26,090	10.87	22,610	9.87
Helpers—pipelayers, plumbers, pipefitters, and steamfitters.....	74,820	11.50	23,930	10.75
Helpers—roofers.....	21,530	10.58	22,000	9.93
Helpers, construction trades, all other.....	38,310	10.97	22,820	9.91
Construction and building inspectors.....	82,690	21.86	45,460	21.00
Elevator installers and repairers.....	21,110	27.98	58,190	28.23
Fence erectors.....	23,350	12.27	25,530	11.24
Hazardous materials removal workers.....	38,550	17.54	36,480	16.02
Highway maintenance workers.....	136,550	14.61	30,390	14.21
Rail-track laying and maintenance equipment operators.....	10,430	17.96	37,360	18.35
Septic tank servicers and sewer pipe cleaners.....	16,670	14.73	30,640	13.88
Segmental pavers.....	840	13.31	27,690	11.74
Construction and related workers, all other.....	81,260	12.71	26,440	11.40
Derrick operators, oil and gas.....	13,880	16.74	34,810	16.11
Rotary drill operators, oil and gas.....	13,860	18.68	38,860	17.11
Service unit operators, oil, gas, and mining.....	16,210	16.05	33,380	14.75
Earth drillers, except oil and gas.....	19,320	17.18	35,740	16.07
Explosives workers, ordnance handling experts, and blasters.....	5,290	17.85	37,130	17.16
Continuous mining machine operators.....	8,060	17.71	36,840	17.87
Mine cutting and channeling machine operators.....	3,900	17.95	37,330	17.96
Mining machine operators, all other.....	2,710	17.17	35,710	16.45
Rock splitters, quarry.....	3,180	13.43	27,940	12.54
Roof bolters, mining.....	4,290	18.54	38,570	18.70
Roustabouts, oil and gas.....	32,280	12.74	26,500	11.94
Helpers—extraction workers.....	26,430	13.23	27,520	12.66
Extraction workers, all other.....	10,450	16.37	34,050	15.66
<b>Installation, maintenance, and repair occupations</b>				
First-line supervisors/managers of mechanics, installers, and repairers.....	459,440	25.34	52,700	24.20
Computer, automated teller, and office machine repairers.....	141,350	17.59	36,580	16.90
Radio mechanics.....	6,340	18.30	38,070	17.65
Telecommunications equipment installers and repairers, except line installers.....	202,160	23.10	48,050	23.96
Avionics technicians.....	22,310	21.38	44,460	21.30
Electric motor, power tool, and related repairers.....	21,910	16.11	33,520	15.54
Electrical and electronics installers and repairers, transportation equipment.....	17,390	19.46	40,470	19.25
Electrical and electronics repairers, commercial and industrial equipment.....	71,300	20.63	42,910	20.48
Electrical and electronics repairers, powerhouse, substation, and relay.....	20,660	25.51	53,060	25.86
Electronic equipment installers and repairers, motor vehicles.....	15,490	14.24	29,610	12.79
Electronic home entertainment equipment installers and repairers.....	32,210	14.25	29,640	13.44
Security and fire alarm systems installers.....	44,710	16.78	34,900	16.06
Aircraft mechanics and service technicians.....	112,830	22.69	47,190	21.77
Automotive body and related repairers.....	162,820	18.10	37,650	16.68
Automotive glass installers and repairers.....	18,150	13.98	29,080	13.45
Automotive service technicians and mechanics.....	668,540	16.61	34,550	15.60
Bus and truck mechanics and diesel engine specialists.....	251,430	17.66	36,730	17.20
Farm equipment mechanics.....	30,770	13.74	28,580	13.40
Mobile heavy equipment mechanics, except engines.....	112,000	18.68	38,860	18.34
Rail car repairers.....	18,140	19.01	39,550	19.48
Motorboat mechanics.....	17,680	15.16	31,530	14.74
Motorcycle mechanics.....	15,920	14.61	30,380	13.70
Outdoor power equipment and other small engine mechanics.....	25,170	12.66	26,340	11.98
Bicycle repairers.....	7,750	9.90	20,580	9.71
Recreational vehicle service technicians.....	12,340	14.73	30,630	13.93
Tire repairers and changers.....	87,110	10.75	22,350	10.01
Mechanical door repairers.....	10,470	16.92	35,190	15.38
Control and valve installers and repairers, except mechanical door.....	37,260	20.83	43,320	21.01
Heating, air conditioning, and refrigeration mechanics and installers.....	225,630	18.30	38,060	17.43
Home appliance repairers.....	40,300	16.00	33,280	15.47
Industrial machinery mechanics.....	212,770	19.28	40,090	18.78
Maintenance and repair workers, general.....	1,267,390	15.41	32,060	14.77
Maintenance workers, machinery.....	84,850	16.40	34,120	15.79
Millwrights.....	57,050	21.63	44,990	21.02
Refractory materials repairers, except brickmasons.....	3,570	18.76	39,020	18.09
Electrical power-line installers and repairers.....	101,760	22.91	47,640	23.61
Telecommunications line installers and repairers.....	144,080	19.55	40,660	19.39
Camera and photographic equipment repairers.....	3,830	16.29	33,880	15.54
Medical equipment repairers.....	23,750	18.72	38,930	17.90
Musical instrument repairers and tuners.....	5,290	14.88	30,950	13.47
Watch repairers.....	3,450	15.23	31,670	13.87
Precision instrument and equipment repairers, all other.....	13,500	21.64	45,000	21.25

See footnotes at end of table.

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

Occupation	Employment	Mean wages		Median hourly wages
		Hourly	Annual <sup>1</sup>	
<b>Installation, maintenance, and repair occupations—Continued</b>				
Coin, vending, and amusement machine servicers and repairers.....	37,230	\$13.95	\$29,020	\$13.47
Commercial divers.....	2,230	18.66	38,820	16.94
Fabric menders, except garment.....	2,150	15.60	32,440	15.62
Locksmiths and safe repairers.....	15,540	15.30	31,830	14.60
Manufactured building and mobile home installers.....	12,150	11.64	24,210	11.23
Riggers.....	12,480	17.55	36,500	16.98
Signal and track switch repairers.....	7,780	21.73	45,210	21.43
Helpers--installation, maintenance, and repair workers.....	157,310	11.18	23,250	10.25
Installation, maintenance, and repair workers, all other.....	137,650	17.23	35,830	16.23
<b>Production occupations</b>				
First-line supervisors/managers of production and operating workers.....	696,750	22.96	47,760	21.51
Aircraft structure, surfaces, rigging, and systems assemblers.....	18,710	18.02	37,470	17.79
Coil winders, tapers, and finishers.....	27,360	12.69	26,400	12.24
Electrical and electronic equipment assemblers.....	217,360	12.63	26,270	11.68
Electromechanical equipment assemblers.....	51,370	13.29	27,650	12.71
Engine and other machine assemblers.....	45,730	17.29	35,960	16.73
Structural metal fabricators and fitters.....	86,240	14.94	31,070	14.34
Fiberglass laminators and fabricators.....	30,250	12.59	26,190	12.18
Team assemblers.....	1,208,270	12.36	25,720	11.42
Timing device assemblers, adjusters, and calibrators.....	3,150	14.57	30,310	13.76
Assemblers and fabricators, all other.....	259,830	14.14	29,410	11.90
Bakers.....	150,900	10.97	22,820	10.26
Butchers and meat cutters.....	131,490	13.12	27,300	12.45
Meat, poultry, and fish cutters and trimmers.....	137,370	9.60	19,970	9.09
Slaughterers and meat packers.....	134,140	10.20	21,220	10.03
Food and tobacco roasting, baking, and drying machine operators and tenders.....	18,110	12.12	25,210	11.46
Food batchmakers.....	85,010	11.34	23,590	10.62
Food cooking machine operators and tenders.....	41,810	10.72	22,290	10.02
Computer-controlled machine tool operators, metal and plastic.....	124,330	15.22	31,650	14.75
Numerical tool and process control programmers.....	17,310	20.27	42,160	19.31
Extruding and drawing machine setters, operators, and tenders, metal and plastic.....	88,980	13.54	28,170	13.18
Forging machine setters, operators, and tenders, metal and plastic.....	37,890	14.05	29,210	13.22
Rolling machine setters, operators, and tenders, metal and plastic.....	37,210	14.81	30,810	14.33
Cutting, punching, and press machine setters, operators, and tenders, metal and plastic.....	248,800	13.04	27,120	12.45
Drilling and boring machine tool setters, operators, and tenders, metal and plastic.....	41,940	14.72	30,620	13.69
Grinding, lapping, polishing, and buffing machine tool setters, operators, and tenders, metal and plastic.....	98,770	14.10	29,330	13.19
Lathe and turning machine tool setters, operators, and tenders, metal and plastic.....	70,230	15.47	32,190	15.04
Milling and planing machine setters, operators, and tenders, metal and plastic.....	30,280	15.16	31,530	14.91
Machinists.....	361,280	16.73	34,790	16.33
Metal-refining furnace operators and tenders.....	17,150	16.13	33,560	15.74
Pourers and casters, metal.....	13,670	14.68	30,530	13.92
Model makers, metal and plastic.....	8,030	21.57	44,870	21.28
Patternmakers, metal and plastic.....	5,930	18.19	37,840	17.86
Foundry mold and coremakers.....	17,320	14.29	29,720	13.37
Molding, coremaking, and casting machine setters, operators, and tenders, metal and plastic.....	156,480	12.47	25,940	11.63
Multiple machine tool setters, operators, and tenders, metal and plastic.....	97,060	14.88	30,960	14.06
Tool and die makers.....	99,390	21.19	44,070	20.55
Welders, cutters, solderers, and brazers.....	344,970	15.41	32,050	14.72
Welding, soldering, and brazing machine setters, operators, and tenders.....	47,210	15.39	32,020	14.32
Heat treating equipment setters, operators, and tenders, metal and plastic.....	25,690	14.73	30,630	14.26
Lay-out workers, metal and plastic.....	11,240	16.23	33,750	15.65
Plating and coating machine setters, operators, and tenders, metal and plastic.....	38,620	13.68	28,440	12.96
Tool grinders, filers, and sharpeners.....	19,750	15.10	31,410	14.52
Metal workers and plastic workers, all other.....	53,050	17.19	35,750	16.15
Bindery workers.....	73,240	12.33	25,650	11.31
Bookbinders.....	7,160	14.58	30,320	13.71
Job printers.....	56,770	16.23	33,750	15.41
Prepress technicians and workers.....	76,190	16.08	33,450	15.30
Printing machine operators.....	184,230	15.26	31,740	14.38
Laundry and dry-cleaning workers.....	218,610	8.74	18,170	8.28
Pressers, textile, garment, and related materials.....	80,520	8.62	17,920	8.33
Sewing machine operators.....	242,500	9.24	19,230	8.61
Shoe and leather workers and repairers.....	7,840	9.68	20,120	9.29
Shoe machine operators and tenders.....	4,530	9.85	20,500	9.44
Sewers, hand.....	12,430	10.20	21,210	9.13
Tailors, dressmakers, and custom sewers.....	27,180	11.76	24,450	10.79
Textile bleaching and dyeing machine operators and tenders.....	21,480	10.96	22,790	10.56
Textile cutting machine setters, operators, and tenders.....	25,320	10.44	21,700	9.80
Textile knitting and weaving machine setters, operators, and tenders.....	45,320	11.47	23,850	11.48
Textile winding, twisting, and drawing out machine setters, operators, and tenders.....	53,490	11.41	23,740	10.87

See footnotes at end of table.

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

Occupation	Employment	Mean wages		Median hourly wages
		Hourly	Annual <sup>1</sup>	
<b>Production occupations—Continued</b>				
Extruding and forming machine setters, operators, and tenders, synthetic and glass fibers.....	23,040	\$13.71	\$28,520	\$13.37
Fabric and apparel patternmakers.....	9,340	16.23	33,760	13.85
Upholsterers.....	38,550	13.05	27,140	12.35
Textile, apparel, and furnishings workers, all other.....	21,920	10.96	22,790	10.34
Cabinetmakers and bench carpenters.....	121,380	12.90	26,830	12.16
Furniture finishers.....	25,770	12.11	25,190	11.35
Model makers, wood.....	3,210	14.82	30,820	12.94
Patternmakers, wood.....	2,500	15.74	32,750	14.88
Sawing machine setters, operators, and tenders, wood.....	56,500	11.35	23,600	10.91
Woodworking machine setters, operators, and tenders, except sawing.....	88,870	11.43	23,780	10.93
Woodworkers, all other.....	12,190	10.94	22,760	10.16
Nuclear power reactor operators.....	4,300	30.71	63,880	30.81
Power distributors and dispatchers.....	8,290	28.03	58,300	27.56
Power plant operators.....	33,350	25.02	52,030	25.26
Stationary engineers and boiler operators.....	46,870	21.66	45,060	21.22
Water and liquid waste treatment plant and system operators.....	92,120	17.32	36,030	16.81
Chemical plant and system operators.....	59,980	21.61	44,940	21.55
Gas plant operators.....	10,670	24.36	50,660	24.36
Petroleum pump system operators, refinery operators, and gaugers.....	42,300	23.44	48,760	24.27
Plant and system operators, all other.....	14,930	20.14	41,900	20.10
Chemical equipment operators and tenders.....	48,450	18.94	39,390	18.69
Separating, filtering, clarifying, precipitating, and still machine setters, operators, and tenders.....	38,000	16.49	34,290	15.98
Crushing, grinding, and polishing machine setters, operators, and tenders.....	42,600	13.70	28,490	12.96
Grinding and polishing workers, hand.....	44,210	12.03	25,030	11.28
Mixing and blending machine setters, operators, and tenders.....	119,320	14.06	29,240	13.51
Cutters and trimmers, hand.....	28,780	11.60	24,120	10.59
Cutting and slicing machine setters, operators, and tenders.....	73,250	13.46	27,990	12.82
Extruding, forming, pressing, and compacting machine setters, operators, and tenders.....	73,970	13.88	28,880	13.20
Furnace, kiln, oven, drier, and kettle operators and tenders.....	29,750	15.08	31,360	14.29
Inspectors, testers, sorters, samplers, and weighers.....	495,430	15.00	31,210	13.66
Jewelers and precious stone and metal workers.....	26,360	14.76	30,700	13.18
Dental laboratory technicians.....	44,540	16.21	33,720	14.93
Medical appliance technicians.....	10,080	15.19	31,600	13.38
Ophthalmic laboratory technicians.....	25,170	12.32	25,620	11.40
Packaging and filling machine operators and tenders.....	411,660	11.59	24,110	10.67
Coating, painting, and spraying machine setters, operators, and tenders.....	96,510	13.25	27,550	12.64
Painters, transportation equipment.....	49,810	18.17	37,800	16.89
Painting, coating, and decorating workers.....	26,990	12.01	24,970	10.95
Photographic process workers.....	31,610	11.07	23,010	9.63
Photographic processing machine operators.....	53,350	10.26	21,340	9.33
Semiconductor processors.....	44,440	14.46	30,070	13.85
Cementing and gluing machine operators and tenders.....	24,630	12.34	25,660	11.57
Cleaning, washing, and metal pickling equipment operators and tenders.....	16,860	12.15	25,270	11.18
Cooling and freezing equipment operators and tenders.....	8,790	12.18	25,340	10.96
Etchers and engravers.....	8,490	12.59	26,180	11.33
Molders, shapers, and casters, except metal and plastic.....	37,930	12.51	26,020	11.58
Paper goods machine setters, operators, and tenders.....	109,560	15.01	31,220	14.63
Tire builders.....	17,960	17.38	36,150	17.50
Helpers—production workers.....	480,430	10.35	21,530	9.70
Production workers, all other.....	299,950	13.47	28,010	11.38
<b>Transportation and material moving occupations</b>				
Aircraft cargo handling supervisors.....	7,460	18.90	39,310	16.40
First-line supervisors/managers of helpers, laborers, and material movers, hand.....	169,860	19.45	40,460	18.40
First-line supervisors/managers of transportation and material-moving machine and vehicle operators.....	222,590	23.23	48,320	21.54
Airline pilots, copilots, and flight engineers.....	78,490	( <sup>2</sup> )	129,620	( <sup>2</sup> )
Commercial pilots.....	21,370	( <sup>2</sup> )	62,290	( <sup>2</sup> )
Air traffic controllers.....	22,260	47.94	99,710	49.05
Airfield operations specialists.....	4,810	20.22	42,050	17.64
Ambulance drivers and attendants, except emergency medical technicians.....	17,410	10.17	21,140	9.49
Bus drivers, transit and intercity.....	183,710	15.09	31,390	14.30
Bus drivers, school.....	475,430	11.33	23,560	11.18
Driver/sales workers.....	406,910	11.36	23,620	9.66
Truck drivers, heavy and tractor-trailer.....	1,553,370	16.63	34,580	16.11
Truck drivers, light or delivery services.....	938,730	12.88	26,790	11.80
Taxi drivers and chauffeurs.....	132,650	10.34	21,510	9.41
Motor vehicle operators, all other.....	85,520	11.04	22,960	9.45
Locomotive engineers.....	31,180	26.29	54,680	24.30
Locomotive firers.....	620	22.23	46,230	21.56
Rail yard engineers, dinkey operators, and hostlers.....	6,170	18.41	38,280	17.70

See footnotes at end of table.

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

Occupation	Employment	Mean wages		Median hourly wages
		Hourly	Annual <sup>1</sup>	
<b>Transportation and material moving occupations—Continued</b>				
Railroad brake, signal, and switch operators.....	16,410	\$23.03	\$47,900	\$21.46
Railroad conductors and yardmasters.....	35,720	25.28	52,580	22.28
Subway and streetcar operators.....	8,900	22.67	47,150	23.70
Rail transportation workers, all other.....	7,680	19.56	40,680	19.57
Sailors and marine oilers.....	27,570	14.98	31,160	14.00
Captains, mates, and pilots of water vessels.....	25,200	25.11	52,230	24.20
Motorboat operators.....	2,830	16.25	33,790	15.39
Ship engineers.....	10,330	27.80	57,830	26.42
Bridge and lock tenders.....	3,500	17.05	35,460	17.98
Parking lot attendants.....	120,080	8.48	17,650	8.08
Service station attendants.....	90,640	8.92	18,560	8.29
Traffic technicians.....	6,240	17.11	35,600	16.19
Transportation inspectors.....	24,140	24.89	51,780	24.22
Transportation workers, all other.....	51,850	16.11	33,510	15.47
Conveyor operators and tenders.....	54,380	12.85	26,720	12.23
Crane and tower operators.....	43,570	18.81	39,130	17.99
Dredge operators.....	1,730	14.43	30,010	13.47
Excavating and loading machine and dragline operators.....	67,080	16.40	34,120	15.37
Loading machine operators, underground mining.....	3,330	16.34	34,000	15.98
Hoist and winch operators.....	5,550	18.65	38,790	16.19
Industrial truck and tractor operators.....	631,530	13.57	28,230	12.78
Cleaners of vehicles and equipment.....	330,520	9.33	19,400	8.41
Laborers and freight, stock, and material movers, hand.....	2,390,910	10.53	21,910	9.67
Machine feeders and offbearers.....	149,500	11.31	23,530	10.68
Packers and packagers, hand.....	872,260	8.97	18,660	8.25
Gas compressor and gas pumping station operators.....	4,680	21.56	44,850	21.07
Pump operators, except wellhead pumpers.....	9,810	17.79	37,000	17.04
Wellhead pumpers.....	10,040	16.33	33,960	16.31
Refuse and recyclable material collectors.....	139,920	13.37	27,810	12.38
Shuttle car operators.....	3,000	17.58	36,570	18.08
Tank car, truck, and ship loaders.....	16,530	16.44	34,190	15.59
Material moving workers, all other.....	57,390	15.29	31,800	13.87

<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> Hourly wage rates for occupations where workers typically work fewer than 2,080 hours per year are not available.

<sup>3</sup> There is a wide variation in the number of hours worked by those employed as actors, dancers, singers, and musicians. Many jobs are for the duration of 1 day or 1 week, and it is extremely rare for a performer to have guaranteed employment for a period that exceeds 3 to 6 months. Therefore, only hourly wages are available for these occupations.

<sup>4</sup> Represents a wage above \$70.00 per hour.