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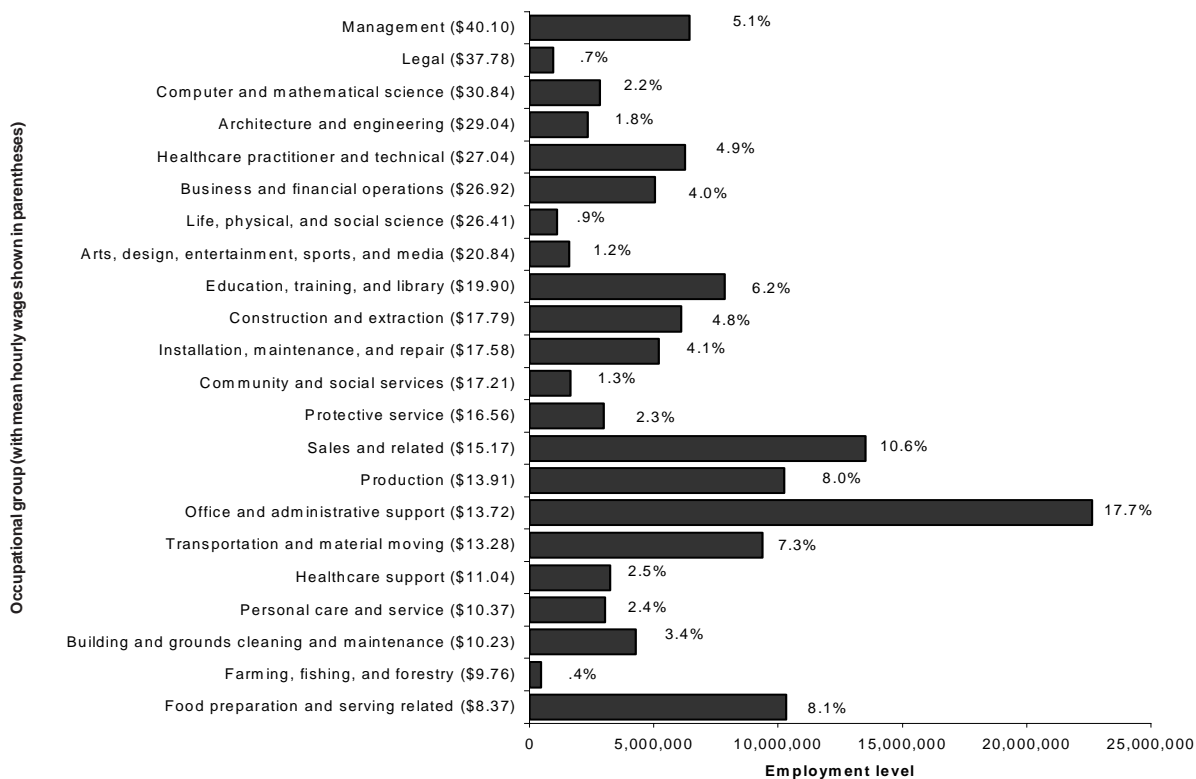
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## OCCUPATIONAL EMPLOYMENT AND WAGES, NOVEMBER 2003

Healthcare practitioner and technical occupations such as specialist physicians and dentists accounted for 8 out of the 10 highest-paying occupations in November 2003, according to the Bureau of Labor Statistics of the U.S. Department of Labor. The average hourly wages for these health-related occupations ranged from \$87.83 for surgeons to \$62.04 for dentists. The lowest-paying occupation was fast food cooks who earned \$7.28 per hour. Five of the six lowest-paying occupations were related to food preparation and serving.

Retail salespersons and cashiers were the largest occupations in the United States, with about 4.1 million and 3.4 million employees, respectively. Other occupations with more than 2 million workers included general office clerks; hand laborers and material movers; registered nurses; waiters and waitresses; janitors and cleaners, except maids and housekeeping cleaners; and combined food preparation and serving workers, including fast food. The average hourly wages for these occupations ranged from \$7.36 for combined food

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



preparation and serving workers, including fast food to \$11.44 for general office clerks, with the exception of registered nurses who earned \$25.39. (See table 1.)

These statistics 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 estimates of employment and hourly and annual wages for wage and salary workers in 22 major occupational groups and in 770 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 November 2003 was office and administrative support workers, followed by sales and related workers, food preparation and serving workers, and production workers. (See chart 1.)

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

**Table A. Wage distribution by major occupational group, November 2003**  
(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	1.2	2.8	5.5	9.2	13.5	16.0	17.0	33.5
Business and financial operations .....	1.7	2.1	5.6	12.2	18.9	21.4	17.5	11.1	9.4
Computer and mathematical science .....	.7	1.4	3.2	7.0	12.6	18.3	21.9	19.9	14.9
Architecture and engineering .....	.6	1.7	4.1	8.3	14.2	20.7	21.1	17.7	11.6
Life, physical, and social science .....	1.9	3.5	7.2	13.2	17.7	18.9	16.0	11.4	10.3
Community and social services .....	7.0	10.7	17.9	21.4	19.0	13.7	7.1	2.4	.7
Legal .....	1.4	2.2	5.5	10.7	14.5	13.3	11.2	10.8	30.3
Education, training, and library .....	11.3	8.7	9.9	14.7	18.8	16.8	11.2	5.2	3.5
Arts, design, entertainment, sports, and media .....	12.2	9.8	12.2	14.9	16.1	13.6	9.3	5.8	6.1
Healthcare practitioner and technical .....	2.4	4.8	8.0	12.6	19.5	21.0	13.7	7.5	10.6
Healthcare support .....	24.4	31.1	23.8	13.7	5.2	1.3	.3	.1	-
Protective service .....	16.3	14.6	15.0	14.8	13.7	13.0	8.2	3.4	1.0
Food preparation and serving related.....	66.4	17.9	9.0	4.1	1.8	.6	.2	.1	-
Building and grounds cleaning and maintenance .....	41.3	25.2	16.4	9.7	5.2	1.7	.4	.1	-
Personal care and service .....	48.7	22.1	12.1	7.3	4.9	2.5	1.2	.6	.6
Sales and related .....	35.9	16.9	11.5	9.5	8.2	6.4	4.4	3.1	4.2
Office and administrative support .....	14.8	19.6	22.7	19.7	14.0	6.5	1.9	.6	.3
Farming, fishing, and forestry .....	56.3	17.5	11.5	7.3	4.3	2.0	.7	.3	.1
Construction and extraction .....	6.9	12.0	16.5	18.6	17.7	14.8	9.2	3.3	.9
Installation, maintenance, and repair .....	7.3	10.4	15.0	19.5	20.8	16.7	7.7	2.1	.7
Production .....	17.3	19.6	20.5	17.8	12.4	8.4	3.0	.8	.2
Transportation and material moving .....	26.1	19.3	18.1	15.1	11.3	6.2	2.2	.8	.9

service. At least 40 percent of all workers in each of these groups earned less than \$8.50 per hour. (See table A.)

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; life, physical, and social science 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 employment and wage estimates for detailed occupations within each major group. The OES program also provides national occupational employment and wage data by industry, and cross-industry estimates for all states and 334 metropolitan areas. November 2003 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 November.

The OES survey is designed to estimate employment and wages at detailed industry and area levels with a desired level of reliability based on a sample of 1.2 million establishments, collected in six semiannual panels over a 3-year period.

# 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, by industry, in the United States (Guam, Puerto Rico, and the Virgin Islands also are surveyed, but their data are not included in this release). In 2002, the OES survey switched from industry coding based on the Standard Industrial Classification (SIC) system to that based on the North American Industry Classification System (NAICS).

In November 2002, the OES survey changed from an annual survey of 400,000 establishments to a semiannual survey of 200,000 establishments per panel. The OES survey samples and contacts establishments in May and November of each year, and over 3 years, or the equivalent of six panels, contacts approximately 1.2 million establishments. The full 3-year sample allows the production of estimates at fine levels of geographic, industry, and occupational detail. The nationwide response rate for the November 2003 panel was 79 percent for establishments, covering 73 percent of weighted employment.

## The Standard Occupational Classification system

In 1999, the OES survey began using 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 about 770 detailed occupations. Together, these detailed occupations comprise 23 major occupational groups. 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

As noted earlier, in 2002, the OES survey switched from using the Standard Industrial Classification (SIC) system to using 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 U.S. 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 coverage

BLS funds the survey and provides the procedures and technical support, while the State Workforce Agencies (SWAs) collect the data. BLS produces cross-industry NAICS estimates for the nation, states, and metropolitan statistical areas (MSAs). NAICS estimates are produced for 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 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

UI reporting units with 250 or more employees are sampled with virtual certainty across a 3-year period. Generally, one-sixth of the certainty units are sampled in each panel in each state.

## Concepts

Occupational employment is the estimate of total wage and salary employment in an occupation across the industries in which that occupation was reported. The OES survey defines employment as the number of workers who can be classified as full-time or part-time employees, including workers on paid vacations or other types of 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 an establishment contains between 50 and 225 SOC occupations selected on the basis of the sampled establishment's industry classification and size class. 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.

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 2003 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, is calculated after excluding data for pilots. Pilots comprise a large portion of the employment from the NCS that falls into the highest interval, and about 1 percent of the workers reported for the OES survey makes \$70.00 and over. Since pilots work fewer hours than workers in other occupations, their hourly wage rates are much higher than other occupations. After excluding pilots from the calculation, the mean wage rate for the highest interval was computed separately for each panel or annual sample (November 2003, May 2003, November 2002, 2001, and 2000). Then the average of these five mean wage rates was derived and used for all of the \$70.00 and over data in the November 2003 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 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. Alternatively, some workers are paid based on an annual amount, but they generally do not work the usual 2,080 hours per year. Since the OES survey does not collect the actual number of hours worked, hourly rates cannot be calculated with a reasonable degree of confidence from annual rates. For this reason, the annual salary is directly calculated from reported survey data, and only annual wages are estimated for these occupations. Occupations that typically have a work year of less than 2,080 hours include musical and entertainment occupations, pilots and flight attendants, and teachers.

*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, but they are instructed to report the hourly rate for part-time workers.

### **Estimation methodology**

Beginning in the November 2002, the OES survey samples approximately 200,000 establishments semiannually in November and May of each year, for a combined sample of 1.2 million different establishments over six semiannual panels. Until 2002, the survey sampled approximately 400,000 establishments in the fourth quarter of each year, for a 3-year combined sample size of 1.2 million. While estimates can be made from a single year or 2 years of data, the OES survey has been designed to produce estimates at a desired level of precision using the full 3 years, or 6 panels, of data. The 3-year sample allows the production of estimates at fine levels of geographic, industry, and occupational detail.

Producing estimates using the 3 years of sample data provides significant sampling error reductions (particularly for small geographic areas and occupations); however, it also has some quality limitations in that it requires the adjustment of earlier year's data to the current reference period, a procedure referred to as "wage updating."

*Wage updating.* As noted above, combining multiple years of data has both statistical advantages and limitations. Significant reductions in sampling error can be achieved by taking advantage of 3 years of data, which covers over 70 percent of the employment in the United States. This feature is particularly important in improving the reliability of estimates for small domains in the population (that is, wage and employment estimates for detailed occupations in small areas). Combining multiple years of data also has been necessary to obtain full coverage of establishments with 250 or more workers that are sampled with certainty.

Starting with the 1997 estimates, the OES program has used the BLS Employment Cost Index to adjust survey data from prior years or panels before combining them with the current panel's data. The wage updating procedure assumes that each occupation's wage rate, as measured in the earlier year or panel, moves according to the average movement of the broader occupation division that encompasses it and that there are no major geographic, industry, or detailed occupational differences.

*November 2003 OES survey estimates.* The November 2003 OES survey estimates are based on data collected from establishments in the November 2003, May 2003, and the November 2002, 2001, and 2000 samples. The November 2003 estimates used the wage-updating methodology introduced in 1997. In addition, a "nearest neighbor" hot deck imputation procedure was used to impute occupational employment totals for establishments that reported no employment data. For establishments that reported (or imputed) occupational employment totals but did not report an employment distribution across the wage intervals, a variation of mean imputation was used to impute the distribution. During estimates processing, OES employment data were benchmarked to the average employment for May 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 November 2003 OES national data by occupation, comparable to data in table 1, will be available soon on the Internet (<http://www.bls.gov/oes>). Users also may access each occupation's definition and percentile wages. The November 2003 cross-industry data for states and metropolitan areas will be available on the BLS Web site in November. Industry staffing patterns at the sector, 3-, 4-, and selected 5-digit NAICS levels also will be available from the Internet beginning in November. 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, November 2003**

Occupation	Employment	Mean wages		Median hourly wages
		Hourly	Annual <sup>1</sup>	
<b>Management occupations</b>				
Chief executives.....	372,170	\$66.53	\$138,380	\$65.58
General and operations managers.....	1,841,470	42.94	89,310	35.86
Legislators.....	64,570	15.03	31,260	7.96
Advertising and promotions managers.....	64,390	35.60	74,050	29.52
Marketing managers.....	176,270	45.16	93,930	40.97
Sales managers.....	310,320	44.53	92,610	39.41
Public relations managers.....	54,490	37.00	76,960	32.60
Administrative services managers.....	266,330	31.11	64,710	27.95
Computer and information systems managers.....	257,860	46.13	95,960	43.51
Financial managers.....	509,690	42.54	88,470	38.02
Human resources managers.....	158,560	36.84	76,620	33.82
Industrial production managers.....	159,820	37.38	77,750	34.45
Purchasing managers.....	84,750	35.32	73,470	32.61
Transportation, storage, and distribution managers.....	90,940	34.06	70,830	31.19
Farm, ranch, and other agricultural managers.....	5,000	25.08	52,180	22.92
Construction managers.....	194,820	36.44	75,800	32.51
Education administrators, preschool and child care center/program.....	54,570	19.68	40,940	16.94
Education administrators, elementary and secondary school.....	208,850	(?)	75,420	(?)
Education administrators, postsecondary.....	102,200	36.12	75,120	32.58
Engineering managers.....	188,350	48.31	100,490	45.98
Food service managers.....	218,920	20.18	41,980	18.24
Funeral directors.....	24,220	26.83	55,810	22.17
Gaming managers.....	3,580	31.19	64,880	27.85
Lodging managers.....	31,570	20.20	42,030	17.48
Medical and health services managers.....	223,940	35.74	74,340	31.90
Natural sciences managers.....	39,780	45.41	94,440	41.78
Postmasters and mail superintendents.....	26,230	24.55	51,050	24.38
Property, real estate, and community association managers.....	159,760	23.18	48,210	18.63
Social and community service managers.....	116,210	24.13	50,180	22.21
<b>Business and financial operations occupations</b>				
Agents and business managers of artists, performers, and athletes.....	12,240	32.76	68,150	26.78
Purchasing agents and buyers, farm products.....	14,940	24.05	50,020	21.03
Wholesale and retail buyers, except farm products.....	139,140	23.61	49,120	20.29
Purchasing agents, except wholesale, retail, and farm products.....	244,940	24.33	50,610	22.72
Claims adjusters, examiners, and investigators.....	236,810	22.54	46,890	21.17
Insurance appraisers, auto damage.....	11,260	21.72	45,170	21.46
Compliance officers, except agriculture, construction, health and safety, and transportation.....	159,640	24.12	50,160	22.32
Cost estimators.....	186,710	25.43	52,900	23.66
Emergency management specialists.....	9,800	23.65	49,180	21.69
Employment, recruitment, and placement specialists.....	171,660	23.14	48,140	19.70
Compensation, benefits, and job analysis specialists.....	87,090	23.79	49,480	22.54
Training and development specialists.....	196,880	22.85	47,530	21.28
Management analysts.....	433,830	35.15	73,110	30.33
Meeting and convention planners.....	33,290	20.42	42,470	18.78
Accountants and auditors.....	954,270	26.98	56,110	23.93
Appraisers and assessors of real estate.....	65,770	23.85	49,610	20.63
Budget analysts.....	53,430	27.90	58,030	26.49
Credit analysts.....	68,420	26.44	55,000	22.42
Financial analysts.....	171,170	34.06	70,850	29.39
Personal financial advisors.....	93,020	38.46	79,990	28.96
Insurance underwriters.....	93,770	25.96	53,990	23.25
Financial examiners.....	23,300	30.69	63,830	28.39
Loan counselors.....	31,620	18.36	38,190	16.19
Loan officers.....	262,920	27.19	56,550	22.85
Tax examiners, collectors, and revenue agents.....	69,950	22.78	47,390	20.79
Tax preparers.....	46,260	16.38	34,070	13.26
<b>Computer and mathematical science occupations</b>				
Computer and information scientists, research.....	23,770	40.98	85,240	39.81
Computer programmers.....	403,220	31.33	65,170	29.68
Computer software engineers, applications.....	410,580	36.66	76,260	35.30
Computer software engineers, systems software.....	292,520	38.36	79,790	37.14
Computer support specialists.....	480,520	20.74	43,140	19.18
Computer systems analysts.....	485,720	32.23	67,040	31.28
Database administrators.....	97,540	29.86	62,100	28.44
Network and computer systems administrators.....	244,610	28.90	60,100	27.43
Network systems and data communications analysts.....	156,270	29.92	62,220	28.51
Actuaries.....	14,550	41.84	87,040	36.19
Mathematicians.....	2,410	37.62	78,240	37.34

See footnotes at end of table.



**Table 1. National employment and wage data from the Occupational Employment Statistics survey by occupation, November 2003<sup>3/4</sup> Continued**

Occupation	Employment	Mean wages		Median hourly wages
		Hourly	Annual <sup>1</sup>	
<b>Computer and mathematical science occupations <sup>3/4</sup> Continued</b>				
Operations research analysts.....	53,620	\$29.98	\$62,360	\$28.41
Statisticians.....	20,980	30.87	64,210	30.92
Mathematical technicians.....	1,790	20.56	42,760	17.97
<b>Architecture and engineering occupations</b>				
Architects, except landscape and naval.....	91,830	31.31	65,120	28.19
Landscape architects.....	18,730	26.45	55,010	24.41
Cartographers and photogrammetrists.....	9,150	23.19	48,230	21.90
Surveyors.....	51,430	21.54	44,800	20.16
Aerospace engineers.....	71,750	37.82	78,660	37.19
Agricultural engineers.....	2,780	27.90	58,040	25.17
Biomedical engineers.....	7,560	32.49	67,580	31.14
Chemical engineers.....	29,770	37.70	78,410	36.21
Civil engineers.....	211,280	31.55	65,620	30.21
Computer hardware engineers.....	70,110	39.44	82,040	38.02
Electrical engineers.....	149,540	35.27	73,370	34.05
Electronics engineers, except computer.....	131,240	35.96	74,800	35.32
Environmental engineers.....	44,930	31.76	66,070	30.79
Health and safety engineers, except mining safety engineers and inspectors.....	27,770	30.62	63,680	29.53
Industrial engineers.....	163,470	31.50	65,530	30.79
Marine engineers and naval architects.....	6,060	35.07	72,940	34.28
Materials engineers.....	22,030	32.16	66,900	31.25
Mechanical engineers.....	214,070	32.42	67,430	31.35
Mining and geological engineers, including mining safety engineers.....	4,680	32.31	67,200	30.86
Nuclear engineers.....	16,320	41.08	85,440	40.03
Petroleum engineers.....	13,340	42.33	88,050	40.73
Architectural and civil drafters.....	97,200	19.06	39,630	18.36
Electrical and electronics drafters.....	34,600	22.18	46,120	20.49
Mechanical drafters.....	74,620	21.35	44,410	20.37
Aerospace engineering and operations technicians.....	10,650	25.47	52,970	24.85
Civil engineering technicians.....	87,890	19.04	39,610	18.38
Electrical and electronic engineering technicians.....	181,550	22.20	46,190	21.82
Electro-mechanical technicians.....	23,640	20.22	42,070	19.58
Environmental engineering technicians.....	17,480	19.48	40,510	18.35
Industrial engineering technicians.....	66,050	22.33	46,440	20.61
Mechanical engineering technicians.....	47,010	21.22	44,140	20.51
Surveying and mapping technicians.....	57,970	15.54	32,320	14.41
<b>Life, physical, and social science occupations</b>				
Agricultural and food scientists.....	17,530	25.81	53,690	23.85
Biochemists and biophysicists.....	15,940	33.70	70,100	30.96
Microbiologists.....	13,970	27.69	57,600	25.05
Zoologists and wildlife biologists.....	14,340	24.83	51,650	23.71
Conservation scientists.....	14,130	25.09	52,200	24.60
Foresters.....	10,250	23.16	48,180	22.63
Epidemiologists.....	3,900	27.46	57,110	25.80
Medical scientists, except epidemiologists.....	66,020	32.77	68,170	28.94
Astronomers.....	810	40.12	83,440	41.30
Physicists.....	13,450	41.33	85,960	40.18
Atmospheric and space scientists.....	7,280	31.53	65,590	31.44
Chemists.....	81,750	28.82	59,940	26.42
Materials scientists.....	7,180	35.14	73,080	34.18
Environmental scientists and specialists, including health.....	63,520	26.25	54,600	24.07
Geoscientists, except hydrologists and geographers.....	25,190	37.26	77,490	32.97
Hydrologists.....	7,120	30.04	62,480	28.37
Economists.....	11,940	37.68	78,370	33.90
Market research analysts.....	153,130	29.87	62,130	26.36
Survey researchers.....	16,300	15.61	32,470	12.97
Clinical, counseling, and school psychologists.....	98,000	28.19	58,640	25.59
Industrial-organizational psychologists.....	1,590	35.06	72,930	32.57
Sociologists.....	3,300	28.90	60,120	26.74
Urban and regional planners.....	30,600	26.31	54,720	25.33
Anthropologists and archeologists.....	4,690	21.63	44,990	19.84
Geographers.....	740	27.35	56,890	27.06
Historians.....	2,450	22.19	46,160	20.37
Political scientists.....	4,700	39.14	81,400	39.27
Agricultural and food science technicians.....	18,220	15.09	31,390	14.03
Biological technicians.....	52,950	17.00	35,360	16.04

See footnotes at end of table.

**Table 1. National employment and wage data from the Occupational Employment Statistics survey by occupation, November 2003<sup>3/4</sup> Continued**

Occupation	Employment	Mean wages		Median hourly wages
		Hourly	Annual <sup>1</sup>	
<b>Life, physical, and social science occupations <sup>3/4</sup> Continued</b>				
Chemical technicians.....	61,870	\$18.82	\$39,130	\$18.09
Geological and petroleum technicians.....	10,310	20.88	43,420	19.60
Nuclear technicians.....	7,530	28.77	59,840	28.97
Environmental science and protection technicians, including health.....	28,070	18.11	37,660	17.21
Forensic science technicians.....	9,010	22.22	46,220	20.77
Forest and conservation technicians.....	18,090	16.43	34,160	15.38
<b>Community and social services occupations</b>				
Substance abuse and behavioral disorder counselors.....	64,900	16.15	33,580	15.15
Educational, vocational, and school counselors.....	217,570	22.52	46,850	21.63
Marriage and family therapists.....	20,850	19.92	41,420	18.37
Mental health counselors.....	86,650	16.86	35,060	15.41
Rehabilitation counselors.....	117,670	14.47	30,100	13.18
Child, family, and school social workers.....	252,870	17.88	37,190	16.49
Medical and public health social workers.....	103,040	19.49	40,540	18.83
Mental health and substance abuse social workers.....	102,110	17.24	35,860	16.18
Health educators.....	45,520	19.92	41,430	18.32
Probation officers and correctional treatment specialists.....	87,200	20.31	42,240	18.85
Social and human service assistants.....	326,050	12.29	25,570	11.54
Clergy.....	37,630	18.47	38,410	16.80
Directors, religious activities and education.....	12,120	16.33	33,960	14.06
<b>Legal occupations</b>				
Lawyers.....	512,070	51.56	107,250	44.58
Administrative law judges, adjudicators, and hearing officers.....	14,820	34.15	71,040	32.37
Arbitrators, mediators, and conciliators.....	4,710	29.88	62,150	25.80
Judges, magistrate judges, and magistrates.....	25,270	42.04	87,430	43.86
Paralegals and legal assistants.....	210,440	19.78	41,130	18.48
Court reporters.....	16,200	22.66	47,130	20.29
Law clerks.....	41,200	16.26	33,820	15.75
Title examiners, abstractors, and searchers.....	48,620	18.50	38,490	16.30
<b>Education, training, and library occupations</b>				
Business teachers, postsecondary.....	68,040	(2)	64,410	(2)
Computer science teachers, postsecondary.....	37,090	(2)	57,480	(2)
Mathematical science teachers, postsecondary.....	43,440	(2)	56,480	(2)
Architecture teachers, postsecondary.....	5,730	(2)	64,680	(2)
Engineering teachers, postsecondary.....	32,470	(2)	76,110	(2)
Agricultural sciences teachers, postsecondary.....	10,620	(2)	67,010	(2)
Biological science teachers, postsecondary.....	58,620	(2)	71,820	(2)
Forestry and conservation science teachers, postsecondary.....	3,050	(2)	66,570	(2)
Atmospheric, earth, marine, and space sciences teachers, postsecondary.....	8,880	(2)	68,940	(2)
Chemistry teachers, postsecondary.....	17,880	(2)	63,040	(2)
Environmental science teachers, postsecondary.....	3,850	(2)	65,440	(2)
Physics teachers, postsecondary.....	12,500	(2)	68,400	(2)
Anthropology and archeology teachers, postsecondary.....	4,910	(2)	65,310	(2)
Area, ethnic, and cultural studies teachers, postsecondary.....	7,190	(2)	62,390	(2)
Economics teachers, postsecondary.....	12,120	(2)	72,300	(2)
Geography teachers, postsecondary.....	4,140	(2)	60,150	(2)
Political science teachers, postsecondary.....	12,990	(2)	64,280	(2)
Psychology teachers, postsecondary.....	28,370	(2)	59,780	(2)
Sociology teachers, postsecondary.....	13,890	(2)	58,720	(2)
Health specialties teachers, postsecondary.....	98,390	(2)	75,760	(2)
Nursing instructors and teachers, postsecondary.....	35,170	(2)	54,860	(2)
Education teachers, postsecondary.....	46,390	(2)	51,350	(2)
Library science teachers, postsecondary.....	3,850	(2)	54,260	(2)
Criminal justice and law enforcement teachers, postsecondary.....	9,900	(2)	49,440	(2)
Law teachers, postsecondary.....	11,980	(2)	94,620	(2)
Social work teachers, postsecondary.....	6,870	(2)	55,860	(2)
Art, drama, and music teachers, postsecondary.....	62,010	(2)	52,210	(2)
Communications teachers, postsecondary.....	20,910	(2)	52,610	(2)
English language and literature teachers, postsecondary.....	57,290	(2)	52,080	(2)
Foreign language and literature teachers, postsecondary.....	21,520	(2)	51,050	(2)
History teachers, postsecondary.....	18,780	(2)	57,450	(2)
Philosophy and religion teachers, postsecondary.....	16,780	(2)	54,990	(2)
Graduate teaching assistants.....	116,520	(2)	27,340	(2)
Home economics teachers, postsecondary.....	4,120	(2)	50,530	(2)
Recreation and fitness studies teachers, postsecondary.....	15,250	(2)	47,000	(2)
Vocational education teachers, postsecondary.....	116,570	20.80	43,320	19.10
Preschool teachers, except special education.....	363,790	11.26	23,430	9.83
Kindergarten teachers, except special education.....	163,250	(2)	43,530	(2)
Elementary school teachers, except special education.....	1,418,570	(2)	44,960	(2)

See footnotes at end of table.

**Table 1. National employment and wage data from the Occupational Employment Statistics survey by occupation, November 2003<sup>3/4</sup> Continued**

Occupation	Employment	Mean wages		Median hourly wages
		Hourly	Annual <sup>1</sup>	
<b>Education, training, and library occupations <sup>3/4</sup> Continued</b>				
Middle school teachers, except special and vocational education.....	611,440	(?)	\$45,600	(?)
Vocational education teachers, middle school.....	16,820	(?)	45,610	(?)
Secondary school teachers, except special and vocational education.....	1,033,020	(?)	47,810	(?)
Vocational education teachers, secondary school.....	100,660	(?)	47,160	(?)
Special education teachers, preschool, kindergarten, and elementary school.....	202,100	(?)	45,230	(?)
Special education teachers, middle school.....	96,160	(?)	47,750	(?)
Special education teachers, secondary school.....	133,550	(?)	48,760	(?)
Adult literacy, remedial education, and GED teachers and instructors.....	62,150	20.52	42,670	18.23
Self-enrichment education teachers.....	136,810	16.67	34,680	14.69
Archivists, curators, and museum technicians.....	22,080	19.40	40,360	17.39
Librarians.....	151,650	22.18	46,140	21.50
Library technicians.....	109,140	12.54	26,080	11.95
Audio-visual collections specialists.....	8,300	17.35	36,090	16.37
Farm and home management advisors.....	13,400	20.12	41,860	19.20
Instructional coordinators.....	100,760	24.20	50,330	22.86
Teacher assistants.....	1,242,800	(?)	20,100	(?)
<b>Arts, design, entertainment, sports, and media occupations</b>				
Art directors.....	24,790	34.39	71,530	30.37
Fine artists, including painters, sculptors, and illustrators.....	9,370	20.48	42,610	17.80
Multi-media artists and animators.....	32,030	25.73	53,530	22.48
Commercial and industrial designers.....	32,940	26.97	56,110	25.04
Fashion designers.....	11,090	30.78	64,030	26.21
Floral designers.....	67,460	10.22	21,260	9.66
Graphic designers.....	156,220	20.01	41,620	17.75
Interior designers.....	45,810	21.42	44,550	19.43
Merchandise displayers and window trimmers.....	58,150	12.46	25,910	10.89
Set and exhibit designers.....	8,610	18.96	39,430	17.17
Actors.....	57,580	(?)	47,650	(?)
Producers and directors.....	59,460	(?)	73,030	(?)
Athletes and sports competitors.....	11,520	(?)	85,040	(?)
Coaches and scouts.....	113,370	(?)	33,190	(?)
Umpires, referees, and other sports officials.....	8,780	(?)	28,740	(?)
Dancers.....	14,230	12.73	26,480	9.49
Choreographers.....	15,140	17.65	36,700	15.41
Music directors and composers.....	9,550	(?)	42,960	(?)
Musicians and singers.....	50,750	(?)	51,450	(?)
Announcers.....	48,760	14.48	30,110	10.33
News analysts, reporters and correspondents.....	61,200	19.38	40,320	15.25
Public relations specialists.....	157,050	23.36	48,590	20.70
Editors.....	106,540	23.18	48,210	20.41
Technical writers.....	43,860	26.56	55,250	25.08
Writers and authors.....	44,380	25.49	53,020	20.84
Interpreters and translators.....	25,310	17.55	36,500	16.44
Audio and video equipment technicians.....	40,060	17.12	35,610	14.98
Broadcast technicians.....	30,940	16.11	33,510	13.55
Radio operators.....	1,840	16.14	33,570	14.92
Sound engineering technicians.....	11,550	22.11	45,980	17.89
Photographers.....	56,210	14.63	30,430	12.47
Camera operators, television, video, and motion picture.....	22,580	20.25	42,120	17.96
Film and video editors.....	15,250	23.20	48,260	20.11
<b>Healthcare practitioner and technical occupations</b>				
Chiropractors.....	20,660	40.02	83,230	32.02
Dentists.....	98,800	62.04	129,040	57.90
Dietitians and nutritionists.....	46,630	20.93	43,520	20.50
Optometrists.....	22,760	46.45	96,610	41.99
Pharmacists.....	219,790	39.03	81,180	39.67
Anesthesiologists.....	22,280	86.72	180,380	(?)
Family and general practitioners.....	111,160	67.24	139,860	66.19
Internists, general.....	53,330	76.84	159,820	(?)
Obstetricians and gynecologists.....	19,510	84.92	176,630	(?)
Pediatricians, general.....	25,440	68.18	141,800	65.62
Psychiatrists.....	19,730	66.63	138,590	65.12
Surgeons.....	53,410	87.83	182,690	(?)
Physician assistants.....	61,850	32.02	66,600	32.79
Podiatrists.....	7,650	51.63	107,390	45.94
Registered nurses.....	2,280,170	25.39	52,810	24.53
Audiologists.....	10,480	25.47	52,990	24.04
Occupational therapists.....	83,220	26.39	54,890	25.63

See footnotes at end of table.

**Table 1. National employment and wage data from the Occupational Employment Statistics survey by occupation, November 2003<sup>3/4</sup> Continued**

Occupation	Employment	Mean wages		Median hourly wages
		Hourly	Annual <sup>1</sup>	
<b>Healthcare practitioner and technical occupations <sup>3/4</sup> Continued</b>				
Physical therapists.....	137,370	\$29.44	\$61,240	\$28.22
Radiation therapists.....	14,030	28.35	58,970	26.71
Recreational therapists.....	22,460	16.25	33,800	15.64
Respiratory therapists.....	89,300	20.64	42,930	20.22
Speech-language pathologists.....	89,370	25.80	53,670	24.47
Veterinarians.....	45,070	36.13	75,160	31.39
Medical and clinical laboratory technologists.....	148,710	21.82	45,380	21.37
Medical and clinical laboratory technicians.....	142,700	15.11	31,420	14.49
Dental hygienists.....	145,170	28.23	58,730	27.25
Cardiovascular technologists and technicians.....	43,150	18.73	38,950	18.17
Diagnostic medical sonographers.....	40,210	24.90	51,800	24.51
Nuclear medicine technologists.....	17,400	27.67	57,540	25.81
Radiologic technologists and technicians.....	175,800	20.87	43,410	20.12
Emergency medical technicians and paramedics.....	186,110	13.02	27,080	11.90
Dietetic technicians.....	25,690	12.04	25,030	10.99
Pharmacy technicians.....	226,200	11.80	24,540	11.26
Psychiatric technicians.....	59,200	13.55	28,180	12.34
Respiratory therapy technicians.....	25,530	17.64	36,700	17.29
Surgical technologists.....	77,980	16.27	33,830	15.94
Veterinary technologists and technicians.....	55,090	12.19	25,350	11.63
Licensed practical and licensed vocational nurses.....	691,110	16.31	33,930	15.92
Medical records and health information technicians.....	152,220	12.97	26,990	11.98
Opticians, dispensing.....	61,990	14.18	29,500	13.15
Orthotists and prosthetists.....	4,930	27.26	56,700	23.97
Occupational health and safety specialists and technicians.....	44,700	23.85	49,610	23.24
Athletic trainers.....	12,860	( <sup>2</sup> )	35,720	( <sup>2</sup> )
<b>Healthcare support occupations</b>				
Home health aides.....	576,560	9.08	18,890	8.75
Nursing aides, orderlies, and attendants.....	1,363,310	10.27	21,370	9.98
Psychiatric aides.....	53,550	11.61	24,140	11.11
Occupational therapist assistants.....	19,990	18.33	38,130	18.33
Occupational therapist aides.....	5,830	12.49	25,970	11.09
Physical therapist assistants.....	54,240	17.92	37,270	17.93
Physical therapist aides.....	37,480	10.76	22,390	10.13
Massage therapists.....	29,550	16.83	35,000	14.40
Dental assistants.....	271,200	13.72	28,550	13.41
Medical assistants.....	376,300	12.08	25,130	11.69
Medical equipment preparers.....	39,330	11.92	24,800	11.51
Medical transcriptionists.....	96,340	13.72	28,530	13.36
Pharmacy aides.....	61,150	9.51	19,770	8.89
Veterinary assistants and laboratory animal caretakers.....	67,510	9.42	19,590	8.83
<b>Protective service occupations</b>				
First-line supervisors/managers of correctional officers.....	35,570	22.53	46,870	21.29
First-line supervisors/managers of police and detectives.....	98,750	30.68	63,820	30.38
First-line supervisors/managers of fire fighting and prevention workers.....	55,700	28.59	59,460	27.56
Fire fighters.....	274,590	18.66	38,810	17.99
Fire inspectors and investigators.....	12,250	22.88	47,600	22.03
Forest fire inspectors and prevention specialists.....	1,540	19.57	40,700	18.52
Bailiffs.....	16,690	16.83	35,000	16.48
Correctional officers and jailers.....	412,030	17.11	35,580	15.98
Detectives and criminal investigators.....	85,670	26.53	55,190	25.65
Fish and game wardens.....	7,010	23.43	48,730	20.40
Parking enforcement workers.....	9,690	14.30	29,740	13.64
Police and sheriff's patrol officers.....	612,420	21.90	45,560	21.41
Transit and railroad police.....	4,790	22.29	46,350	21.28
Animal control workers.....	13,050	12.97	26,970	12.44
Private detectives and investigators.....	33,420	16.96	35,270	14.65
Gaming surveillance officers and gaming investigators.....	8,170	13.54	28,150	12.39
Security guards.....	961,660	10.48	21,790	9.60
Crossing guards.....	68,910	9.82	20,430	9.18
<b>Food preparation and serving related occupations</b>				
Chefs and head cooks.....	117,370	16.00	33,280	14.19
First-line supervisors/managers of food preparation and serving workers.....	705,070	13.03	27,100	12.01
Cooks, fast food.....	620,300	7.28	15,130	7.01
Cooks, institution and cafeteria.....	405,480	9.42	19,590	8.93
Cooks, restaurant.....	742,160	9.68	20,140	9.33
Cooks, short order.....	223,780	8.39	17,450	8.00
Food preparation workers.....	860,770	8.43	17,520	7.98

See footnotes at end of table.

**Table 1. National employment and wage data from the Occupational Employment Statistics survey by occupation, November 2003<sup>3/4</sup> Continued**

Occupation	Employment	Mean wages		Median hourly wages
		Hourly	Annual <sup>1</sup>	
<b>Food preparation and serving related occupations <sup>3/4</sup> Continued</b>				
Bartenders.....	479,330	\$8.15	\$16,950	\$7.29
Combined food preparation and serving workers, including fast food.....	2,072,980	7.36	15,320	7.05
Counter attendants, cafeteria, food concession, and coffee shop.....	473,560	7.79	16,210	7.47
Waiters and waitresses.....	2,170,120	7.63	15,870	6.79
Food servers, nonrestaurant.....	184,180	8.44	17,560	7.82
Dining room and cafeteria attendants and bartender helpers.....	389,660	7.41	15,420	7.06
Dishwashers.....	486,090	7.47	15,550	7.27
Hosts and hostesses, restaurant, lounge, and coffee shop.....	299,190	7.79	16,210	7.45
<b>Building and grounds cleaning and maintenance occupations</b>				
First-line supervisors/managers of housekeeping and janitorial workers.....	202,410	15.15	31,510	14.02
First-line supervisors/managers of landscaping, lawn service, and groundskeeping workers.....	97,810	17.83	37,090	16.41
Janitors and cleaners, except maids and housekeeping cleaners.....	2,073,410	9.85	20,480	8.98
Maids and housekeeping cleaners.....	894,170	8.53	17,740	8.06
Pest control workers.....	58,340	13.12	27,290	12.38
Landscaping and groundskeeping workers.....	838,740	10.51	21,850	9.70
Pesticide handlers, sprayers, and applicators, vegetation.....	23,040	12.71	26,450	12.38
Tree trimmers and pruners.....	40,130	13.24	27,540	12.44
<b>Personal care and service occupations</b>				
Gaming supervisors.....	25,290	19.96	41,520	19.54
Slot key persons.....	15,400	12.07	25,110	10.95
First-line supervisors/managers of personal service workers.....	115,350	15.79	32,840	14.36
Animal trainers.....	7,480	12.86	26,740	10.99
Nonfarm animal caretakers.....	88,100	9.28	19,310	8.40
Gaming dealers.....	78,660	7.76	16,140	6.84
Gaming and sports book writers and runners.....	16,520	10.02	20,840	9.13
Motion picture projectionists.....	10,610	9.79	20,360	8.21
Ushers, lobby attendants, and ticket takers.....	106,740	8.03	16,690	7.17
Amusement and recreation attendants.....	234,560	7.99	16,610	7.35
Costume attendants.....	3,330	13.76	28,620	12.17
Locker room, coatroom, and dressing room attendants.....	22,800	8.77	18,240	8.40
Embalmers.....	8,010	17.59	36,590	16.59
Funeral attendants.....	29,550	9.83	20,450	9.15
Barbers.....	17,680	11.20	23,300	9.75
Hairdressers, hairstylists, and cosmetologists.....	334,660	10.66	22,170	9.28
Makeup artists, theatrical and performance.....	760	15.77	32,810	11.47
Manicurists and pedicurists.....	41,070	9.67	20,120	8.41
Shampooers.....	15,210	7.45	15,490	7.00
Skin care specialists.....	17,750	13.23	27,510	11.38
Baggage porters and bellhops.....	57,190	10.64	22,130	8.67
Concierges.....	17,740	11.72	24,370	11.03
Tour guides and escorts.....	28,140	9.86	20,500	9.17
Travel guides.....	5,240	16.49	34,310	13.47
Flight attendants.....	99,910	( <sup>2</sup> )	49,900	( <sup>2</sup> )
Transportation attendants, except flight attendants and baggage porters.....	28,440	9.98	20,750	9.08
Child care workers.....	496,330	8.47	17,610	7.96
Personal and home care aides.....	507,410	8.31	17,290	8.05
Fitness trainers and aerobics instructors.....	177,890	14.58	30,340	11.83
Recreation workers.....	261,740	10.28	21,370	9.11
Residential advisors.....	50,040	11.08	23,040	10.27
<b>Sales and related occupations</b>				
First-line supervisors/managers of retail sales workers.....	1,128,280	17.49	36,380	15.18
First-line supervisors/managers of non-retail sales workers.....	313,500	32.98	68,600	27.26
Cashiers.....	3,425,840	8.21	17,070	7.68
Gaming change persons and booth cashiers.....	29,940	10.00	20,790	9.79
Counter and rental clerks.....	447,070	10.11	21,030	8.55
Parts salespersons.....	236,920	13.19	27,430	11.93
Retail salespersons.....	4,083,810	10.84	22,540	8.82
Advertising sales agents.....	141,840	23.35	48,560	18.85
Insurance sales agents.....	287,840	25.92	53,920	19.41
Securities, commodities, and financial services sales agents.....	239,990	41.23	85,760	30.14
Travel agents.....	98,410	14.15	29,430	13.11
Sales representatives, wholesale and manufacturing, technical and scientific products.....	385,020	31.82	66,190	27.80
Sales representatives, wholesale and manufacturing, except technical and scientific products.....	1,417,380	25.49	53,020	21.41

See footnotes at end of table.

**Table 1. National employment and wage data from the Occupational Employment Statistics survey by occupation, November 2003<sup>3/4</sup> Continued**

Occupation	Employment	Mean wages		Median hourly wages
		Hourly	Annual <sup>1</sup>	
<b>Sales and related occupations <sup>3/4</sup> Continued</b>				
Demonstrators and product promoters.....	97,650	\$11.98	\$24,920	\$9.75
Models.....	1,520	14.59	30,340	10.88
Real estate brokers.....	42,670	35.63	74,100	26.14
Real estate sales agents.....	123,680	21.94	45,640	16.27
Sales engineers.....	69,220	35.16	73,120	32.94
Telemarketers.....	405,060	11.08	23,060	9.75
Door-to-door sales workers, news and street vendors, and related workers.....	18,730	13.64	28,370	11.06
<b>Office and administrative support occupations</b>				
First-line supervisors/managers of office and administrative support workers.....	1,402,290	20.66	42,960	19.19
Switchboard operators, including answering service.....	210,190	10.80	22,460	10.34
Telephone operators.....	39,440	14.61	30,390	13.98
Bill and account collectors.....	417,430	13.84	28,790	13.08
Billing and posting clerks and machine operators.....	490,960	13.26	27,590	12.76
Bookkeeping, accounting, and auditing clerks.....	1,762,390	14.06	29,250	13.45
Gaming cage workers.....	18,640	10.97	22,830	10.65
Payroll and timekeeping clerks.....	198,800	14.82	30,820	14.29
Procurement clerks.....	71,490	14.85	30,880	14.56
Tellers.....	538,860	10.15	21,100	10.01
Brokerage clerks.....	72,360	17.79	37,010	16.58
Correspondence clerks.....	23,680	13.75	28,600	13.14
Court, municipal, and license clerks.....	103,210	14.35	29,840	13.41
Credit authorizers, checkers, and clerks.....	72,930	14.40	29,940	13.29
Customer service representatives.....	1,920,600	13.81	28,720	12.79
Eligibility interviewers, government programs.....	94,390	16.03	33,340	15.69
File clerks.....	239,990	10.50	21,850	9.91
Hotel, motel, and resort desk clerks.....	186,630	8.81	18,320	8.43
Interviewers, except eligibility and loan.....	188,160	11.58	24,090	11.02
Library assistants, clerical.....	109,080	10.25	21,320	9.61
Loan interviewers and clerks.....	196,520	14.49	30,150	13.70
New accounts clerks.....	99,830	13.25	27,560	12.59
Order clerks.....	302,350	12.82	26,670	12.09
Human resources assistants, except payroll and timekeeping.....	161,890	15.56	32,370	15.06
Receptionists and information clerks.....	1,064,600	10.71	22,280	10.31
Reservation and transportation ticket agents and travel clerks.....	156,140	13.99	29,090	12.71
Cargo and freight agents.....	69,380	16.95	35,250	16.28
Couriers and messengers.....	117,460	10.17	21,160	9.56
Police, fire, and ambulance dispatchers.....	90,490	14.36	29,860	13.71
Dispatchers, except police, fire, and ambulance.....	161,570	15.83	32,920	14.72
Meter readers, utilities.....	50,740	15.14	31,490	14.26
Postal service clerks.....	76,800	19.69	40,950	19.60
Postal service mail carriers.....	344,090	20.87	43,410	21.41
Postal service mail sorters, processors, and processing machine operators.....	221,930	18.05	37,540	18.92
Production, planning, and expediting clerks.....	281,030	17.60	36,610	16.95
Shipping, receiving, and traffic clerks.....	757,750	12.25	25,490	11.53
Stock clerks and order fillers.....	1,540,270	10.44	21,710	9.55
Weighers, measurers, checkers, and samplers, recordkeeping.....	82,440	13.18	27,410	11.85
Executive secretaries and administrative assistants.....	1,436,190	17.35	36,080	16.51
Legal secretaries.....	273,900	17.94	37,310	17.17
Medical secretaries.....	361,780	13.11	27,260	12.53
Secretaries, except legal, medical, and executive.....	1,822,940	12.81	26,640	12.29
Computer operators.....	150,030	15.48	32,190	14.59
Data entry keyers.....	322,770	11.43	23,780	10.93
Word processors and typists.....	173,730	13.87	28,860	13.21
Desktop publishers.....	33,290	16.07	33,430	15.10
Insurance claims and policy processing clerks.....	235,120	14.47	30,090	13.86
Mail clerks and mail machine operators, except postal service.....	150,950	10.99	22,860	10.54
Office clerks, general.....	2,961,160	11.44	23,800	10.79
Office machine operators, except computer.....	92,880	11.71	24,360	11.03
Proofreaders and copy markers.....	22,560	12.75	26,520	11.80
Statistical assistants.....	19,940	15.14	31,490	14.42
<b>Farming, fishing, and forestry occupations</b>				
First-line supervisors/managers of farming, fishing, and forestry workers.....	19,810	18.43	38,340	17.09
Farm labor contractors.....	2,880	10.21	21,230	8.10
Agricultural inspectors.....	13,650	15.42	32,070	14.01
Animal breeders.....	1,520	14.73	30,630	12.29
Graders and sorters, agricultural products.....	51,960	8.64	17,970	7.95
Agricultural equipment operators.....	20,440	9.68	20,130	8.80
Farmworkers and laborers, crop, nursery, and greenhouse.....	236,710	8.01	16,660	7.55

See footnotes at end of table.



**Table 1. National employment and wage data from the Occupational Employment Statistics survey by occupation, November 2003<sup>3/4</sup> Continued**

Occupation	Employment	Mean wages		Median hourly wages
		Hourly	Annual <sup>1</sup>	
<b>Farming, fishing, and forestry occupations <sup>3/4</sup> Continued</b>				
Farmworkers, farm and ranch animals.....	42,290	\$9.01	\$18,740	\$8.27
Forest and conservation workers.....	9,330	11.24	23,380	9.39
Fallers.....	11,090	14.48	30,120	12.86
Logging equipment operators.....	27,910	13.93	28,970	13.37
Log graders and scalers.....	4,470	13.90	28,910	12.89
<b>Construction and extraction occupations</b>				
First-line supervisors/managers of construction trades and extraction workers.....	518,660	25.32	52,660	23.75
Boilermakers.....	17,970	21.25	44,190	20.77
Brickmasons and blockmasons.....	109,660	20.60	42,850	20.23
Stonemasons.....	14,420	17.43	36,260	16.44
Carpenters.....	873,840	18.04	37,520	16.77
Carpet installers.....	38,860	17.01	35,370	15.79
Floor layers, except carpet, wood, and hard tiles.....	15,030	16.99	35,330	15.81
Floor sanders and finishers.....	7,000	14.49	30,140	13.28
Tile and marble setters.....	37,710	18.03	37,500	17.08
Cement masons and concrete finishers.....	187,900	16.25	33,790	14.88
Terrazzo workers and finishers.....	6,820	15.02	31,250	13.45
Construction laborers.....	845,890	13.85	28,810	12.03
Paving, surfacing, and tamping equipment operators.....	60,210	15.69	32,630	14.12
Pile-driver operators.....	4,170	23.12	48,090	23.42
Operating engineers and other construction equipment operators.....	343,600	18.47	38,410	16.85
Drywall and ceiling tile installers.....	111,980	17.90	37,230	16.37
Tapers.....	32,380	19.64	40,850	18.95
Electricians.....	575,980	21.29	44,290	20.16
Glaziers.....	45,910	17.45	36,300	15.49
Insulation workers.....	52,590	16.55	34,420	14.57
Painters, construction and maintenance.....	245,560	15.49	32,210	14.21
Paperhangers.....	7,930	16.59	34,500	15.77
Pipelayers.....	53,900	15.44	32,120	13.96
Plumbers, pipefitters, and steamfitters.....	422,360	20.97	43,620	19.70
Plasterers and stucco masons.....	52,410	17.36	36,110	15.98
Reinforcing iron and rebar workers.....	33,740	19.49	40,540	17.17
Roofers.....	116,070	16.15	33,580	14.63
Sheet metal workers.....	189,130	18.43	38,330	17.02
Structural iron and steel workers.....	71,090	20.79	43,240	20.10
Helpers--brickmasons, blockmasons, stonemasons, and tile and marble setters.....	59,250	13.15	27,350	11.85
Helpers--carpenters.....	101,740	11.01	22,910	10.51
Helpers--electricians.....	90,790	11.97	24,900	11.27
Helpers--painters, paperhangers, plasterers, and stucco masons.....	27,760	10.63	22,110	9.74
Helpers--pipelayers, plumbers, pipefitters, and steamfitters.....	77,940	11.56	24,040	10.87
Helpers--roofers.....	21,310	10.52	21,890	9.92
Construction and building inspectors.....	82,080	21.59	44,910	20.72
Elevator installers and repairers.....	21,910	26.80	55,750	26.88
Fence erectors.....	23,090	12.29	25,560	11.14
Hazardous materials removal workers.....	37,710	17.47	36,330	15.90
Highway maintenance workers.....	139,810	14.42	29,990	14.00
Rail-track laying and maintenance equipment operators.....	12,120	16.71	34,750	17.23
Septic tank servicers and sewer pipe cleaners.....	17,270	14.81	30,810	13.81
Segmental pavers.....	1,860	13.67	28,440	12.97
Derrick operators, oil and gas.....	14,130	15.40	32,030	14.59
Rotary drill operators, oil and gas.....	13,480	18.22	37,890	16.78
Service unit operators, oil, gas, and mining.....	14,030	16.28	33,860	14.83
Earth drillers, except oil and gas.....	18,730	16.67	34,670	15.88
Explosives workers, ordnance handling experts, and blasters.....	5,170	17.55	36,510	17.07
Continuous mining machine operators.....	8,300	17.75	36,920	17.83
Mine cutting and channeling machine operators.....	4,580	17.75	36,920	17.79
Rock splitters, quarry.....	3,350	13.33	27,730	12.48
Roof bolters, mining.....	4,070	18.57	38,620	18.60
Roustabouts, oil and gas.....	35,010	11.74	24,420	10.53
Helpers--extraction workers.....	27,260	13.35	27,770	12.68
<b>Installation, maintenance, and repair occupations</b>				
First-line supervisors/managers of mechanics, installers, and repairers.....	447,750	24.92	51,820	23.70
Computer, automated teller, and office machine repairers.....	142,910	17.04	35,450	16.32
Radio mechanics.....	6,320	18.41	38,280	17.55
Telecommunications equipment installers and repairers, except line installers.....	193,780	22.55	46,900	23.43
Avionics technicians.....	21,020	21.06	43,800	20.95
Electric motor, power tool, and related repairers.....	25,130	16.66	34,650	15.78
Electrical and electronics installers and repairers, transportation equipment.....	17,130	19.26	40,070	19.17
Electrical and electronics repairers, commercial and industrial equipment.....	72,680	20.19	41,990	20.04

See footnotes at end of table.

**Table 1. National employment and wage data from the Occupational Employment Statistics survey by occupation, November 2003<sup>3/4</sup> Continued**

Occupation	Employment	Mean wages		Median hourly wages
		Hourly	Annual <sup>1</sup>	
<b>Installation, maintenance, and repair occupations <sup>3/4</sup> Continued</b>				
Electrical and electronics repairers, powerhouse, substation, and relay.....	20,310	\$24.90	\$51,790	\$25.35
Electronic equipment installers and repairers, motor vehicles.....	15,070	13.99	29,090	12.52
Electronic home entertainment equipment installers and repairers.....	34,700	14.20	29,540	13.36
Security and fire alarm systems installers.....	47,690	17.80	37,020	16.39
Aircraft mechanics and service technicians.....	113,470	21.52	44,770	21.15
Automotive body and related repairers.....	168,630	17.35	36,080	16.04
Automotive glass installers and repairers.....	18,040	13.59	28,260	13.08
Automotive service technicians and mechanics.....	689,630	16.19	33,680	15.18
Bus and truck mechanics and diesel engine specialists.....	249,230	17.37	36,120	16.90
Farm equipment mechanics.....	31,850	13.72	28,550	13.30
Mobile heavy equipment mechanics, except engines.....	112,070	18.27	38,010	17.87
Rail car repairers.....	16,790	19.04	39,600	19.42
Motorboat mechanics.....	17,990	14.85	30,890	14.30
Motorcycle mechanics.....	15,000	14.28	29,690	13.39
Outdoor power equipment and other small engine mechanics.....	25,010	12.44	25,870	11.89
Bicycle repairers.....	7,560	9.87	20,530	9.52
Recreational vehicle service technicians.....	12,520	14.45	30,060	13.63
Tire repairers and changers.....	85,030	10.72	22,300	10.01
Mechanical door repairers.....	10,730	15.62	32,480	14.11
Control and valve installers and repairers, except mechanical door.....	35,900	20.61	42,870	20.81
Heating, air conditioning, and refrigeration mechanics and installers.....	217,130	17.93	37,290	17.15
Home appliance repairers.....	36,810	15.47	32,170	14.56
Industrial machinery mechanics.....	199,090	19.16	39,850	18.63
Maintenance and repair workers, general.....	1,245,160	15.20	31,620	14.49
Maintenance workers, machinery.....	85,060	16.30	33,890	15.73
Millwrights.....	60,470	21.14	43,970	20.76
Refractory materials repairers, except brickmasons.....	3,740	18.44	38,360	18.02
Electrical power-line installers and repairers.....	99,290	22.95	47,730	23.62
Telecommunications line installers and repairers.....	146,410	19.63	40,840	19.72
Camera and photographic equipment repairers.....	4,220	15.61	32,470	14.81
Medical equipment repairers.....	24,390	18.92	39,360	18.39
Musical instrument repairers and tuners.....	5,260	15.34	31,920	13.68
Watch repairers.....	3,750	15.25	31,710	13.56
Coin, vending, and amusement machine servicers and repairers.....	35,540	13.78	28,660	13.32
Commercial divers.....	2,660	18.13	37,700	16.38
Fabric menders, except garment.....	1,990	14.72	30,610	14.07
Locksmiths and safe repairers.....	18,730	15.06	31,330	14.11
Manufactured building and mobile home installers.....	14,470	11.50	23,920	10.99
Riggers.....	12,780	17.01	35,390	16.51
Signal and track switch repairers.....	7,600	21.44	44,590	21.12
Helpers--installation, maintenance, and repair workers.....	151,820	11.26	23,420	10.23
<b>Production occupations</b>				
First-line supervisors/managers of production and operating workers.....	690,910	22.65	47,120	21.23
Aircraft structure, surfaces, rigging, and systems assemblers.....	19,830	17.40	36,190	16.95
Coil winders, tapers, and finishers.....	28,400	12.28	25,550	11.76
Electrical and electronic equipment assemblers.....	228,100	12.45	25,890	11.54
Electromechanical equipment assemblers.....	51,040	13.12	27,290	12.60
Engine and other machine assemblers.....	47,520	16.97	35,290	16.30
Structural metal fabricators and fitters.....	88,190	14.72	30,620	14.03
Fiberglass laminators and fabricators.....	31,600	12.41	25,810	11.94
Team assemblers.....	1,185,060	12.23	25,430	11.26
Timing device assemblers, adjusters, and calibrators.....	4,390	13.75	28,590	12.86
Bakers.....	159,420	10.90	22,680	10.13
Butchers and meat cutters.....	131,250	13.21	27,470	12.51
Meat, poultry, and fish cutters and trimmers.....	142,640	9.35	19,440	8.90
Slaughterers and meat packers.....	130,880	10.10	21,000	9.95
Food and tobacco roasting, baking, and drying machine operators and tenders.....	17,450	12.44	25,870	11.67
Food batchmakers.....	80,080	11.40	23,710	10.67
Food cooking machine operators and tenders.....	38,780	10.74	22,330	10.05
Computer-controlled machine tool operators, metal and plastic.....	123,700	14.98	31,170	14.43
Numerical tool and process control programmers.....	17,370	19.62	40,800	18.78
Extruding and drawing machine setters, operators, and tenders, metal and plastic.....	90,940	13.20	27,450	12.82
Forging machine setters, operators, and tenders, metal and plastic.....	40,600	13.76	28,620	12.91
Rolling machine setters, operators, and tenders, metal and plastic.....	40,330	14.44	30,040	14.01
Cutting, punching, and press machine setters, operators, and tenders, metal and plastic.....	249,360	12.80	26,620	12.23
Drilling and boring machine tool setters, operators, and tenders, metal and plastic.....	46,360	14.44	30,030	13.46
Grinding, lapping, polishing, and buffing machine tool setters, operators, and tenders, metal and plastic.....	95,740	14.00	29,120	12.99
Lathe and turning machine tool setters, operators, and tenders, metal and plastic.....	73,080	14.99	31,170	14.48

See footnotes at end of table.

**Table 1. National employment and wage data from the Occupational Employment Statistics survey by occupation, November 2003<sup>3/4</sup> Continued**

Occupation	Employment	Mean wages		Median hourly wages
		Hourly	Annual <sup>1</sup>	
<b>Production occupations <sup>3/4</sup> Continued</b>				
Milling and planing machine setters, operators, and tenders, metal and plastic.....	29,110	\$14.82	\$30,820	\$14.49
Machinists.....	361,240	16.56	34,440	16.15
Metal-refining furnace operators and tenders.....	17,070	15.96	33,190	15.55
Pourers and casters, metal.....	13,540	14.51	30,180	13.69
Model makers, metal and plastic.....	8,300	21.57	44,860	21.43
Patternmakers, metal and plastic.....	5,730	18.68	38,840	18.11
Foundry mold and coremakers.....	18,680	13.95	29,010	13.03
Molding, coremaking, and casting machine setters, operators, and tenders, metal and plastic.....	148,840	12.40	25,800	11.57
Multiple machine tool setters, operators, and tenders, metal and plastic.....	95,650	14.71	30,600	13.84
Tool and die makers.....	101,090	21.13	43,940	20.59
Welders, cutters, solderers, and brazers.....	350,230	15.16	31,530	14.39
Welding, soldering, and brazing machine setters, operators, and tenders.....	50,280	15.12	31,460	14.03
Heat treating equipment setters, operators, and tenders, metal and plastic.....	25,120	14.57	30,310	14.01
Lay-out workers, metal and plastic.....	11,040	15.88	33,040	15.39
Plating and coating machine setters, operators, and tenders, metal and plastic.....	38,200	13.35	27,760	12.62
Tool grinders, filers, and sharpeners.....	20,730	15.08	31,370	14.41
Bindery workers.....	76,510	12.02	24,990	11.03
Bookbinders.....	6,660	14.84	30,870	14.06
Job printers.....	58,410	15.85	32,970	15.06
Prepress technicians and workers.....	80,290	15.91	33,090	15.17
Printing machine operators.....	182,740	15.30	31,820	14.30
Laundry and dry-cleaning workers.....	217,360	8.66	18,010	8.16
Pressers, textile, garment, and related materials.....	84,270	8.54	17,760	8.20
Sewing machine operators.....	251,370	9.16	19,040	8.53
Shoe and leather workers and repairers.....	7,830	9.92	20,640	9.40
Shoe machine operators and tenders.....	5,000	10.39	21,620	9.81
Sewers, hand.....	15,490	9.68	20,140	8.76
Tailors, dressmakers, and custom sewers.....	31,540	11.49	23,900	10.43
Textile bleaching and dyeing machine operators and tenders.....	22,960	10.69	22,230	10.44
Textile cutting machine setters, operators, and tenders.....	27,300	10.46	21,760	9.90
Textile knitting and weaving machine setters, operators, and tenders.....	45,860	11.34	23,590	11.32
Textile winding, twisting, and drawing out machine setters, operators, and tenders.....	56,140	11.19	23,280	10.73
Extruding and forming machine setters, operators, and tenders, synthetic and glass fibers.....	24,580	13.79	28,680	13.64
Fabric and apparel patternmakers.....	10,450	16.69	34,720	14.19
Upholsterers.....	38,830	12.84	26,710	12.10
Cabinetmakers and bench carpenters.....	126,490	12.69	26,390	11.98
Furniture finishers.....	27,720	11.82	24,590	11.17
Model makers, wood.....	3,610	14.29	29,710	12.10
Patternmakers, wood.....	3,060	15.55	32,350	14.85
Sawing machine setters, operators, and tenders, wood.....	54,280	11.28	23,470	10.81
Woodworking machine setters, operators, and tenders, except sawing.....	88,340	11.29	23,470	10.78
Nuclear power reactor operators.....	4,010	30.56	63,560	30.42
Power distributors and dispatchers.....	9,300	27.62	57,450	27.36
Power plant operators.....	33,770	24.60	51,170	24.78
Stationary engineers and boiler operators.....	48,430	21.46	44,650	21.09
Water and liquid waste treatment plant and system operators.....	95,130	16.99	35,340	16.43
Chemical plant and system operators.....	60,200	21.33	44,370	21.29
Gas plant operators.....	10,890	23.85	49,600	23.86
Petroleum pump system operators, refinery operators, and gaugers.....	40,950	23.09	48,030	24.06
Chemical equipment operators and tenders.....	51,070	18.81	39,120	18.64
Separating, filtering, clarifying, precipitating, and still machine setters, operators, and tenders.....	37,850	16.08	33,440	15.53
Crushing, grinding, and polishing machine setters, operators, and tenders.....	41,390	13.39	27,840	12.68
Grinding and polishing workers, hand.....	42,320	11.96	24,870	11.16
Mixing and blending machine setters, operators, and tenders.....	113,690	13.99	29,110	13.41
Cutters and trimmers, hand.....	28,450	11.74	24,430	10.70
Cutting and slicing machine setters, operators, and tenders.....	68,920	13.31	27,690	12.74
Extruding, forming, pressing, and compacting machine setters, operators, and tenders.....	72,010	13.76	28,630	13.07
Furnace, kiln, oven, drier, and kettle operators and tenders.....	30,230	14.95	31,100	14.24
Inspectors, testers, sorters, samplers, and weighers.....	489,020	14.91	31,010	13.56
Jewelers and precious stone and metal workers.....	28,120	14.68	30,540	13.22
Dental laboratory technicians.....	45,980	15.94	33,160	14.62
Medical appliance technicians.....	11,230	15.09	31,380	13.68
Ophthalmic laboratory technicians.....	26,180	11.93	24,810	11.04
Packaging and filling machine operators and tenders.....	401,520	11.44	23,790	10.56
Coating, painting, and spraying machine setters, operators, and tenders.....	92,710	13.07	27,200	12.46
Painters, transportation equipment.....	47,390	17.80	37,020	16.52
Painting, coating, and decorating workers.....	28,980	11.84	24,620	10.73

See footnotes at end of table.

**Table 1. National employment and wage data from the Occupational Employment Statistics survey by occupation, November 2003<sup>3/4</sup> Continued**

Occupation	Employment	Mean wages		Median hourly wages
		Hourly	Annual <sup>1</sup>	
<b>Production occupations <sup>3/4</sup> Continued</b>				
Photographic process workers.....	28,730	\$11.05	\$22,970	\$9.84
Photographic processing machine operators.....	54,090	10.09	20,990	9.15
Semiconductor processors.....	43,970	13.85	28,810	13.21
Cementing and gluing machine operators and tenders.....	24,850	12.11	25,190	11.29
Cleaning, washing, and metal pickling equipment operators and tenders.....	16,650	12.36	25,710	11.46
Cooling and freezing equipment operators and tenders.....	7,980	11.90	24,740	10.64
Etchers and engravers.....	8,840	12.23	25,440	10.86
Molders, shapers, and casters, except metal and plastic.....	37,210	12.67	26,350	11.77
Paper goods machine setters, operators, and tenders.....	109,210	14.57	30,300	14.11
Tire builders.....	16,400	17.35	36,080	18.64
Helpers--production workers.....	457,200	10.24	21,290	9.58
<b>Transportation and material moving occupations</b>				
Aircraft cargo handling supervisors.....	8,580	19.12	39,760	16.65
First-line supervisors/managers of helpers, laborers, and material movers, hand.....	159,780	19.42	40,400	18.37
First-line supervisors/managers of transportation and material-moving machine and vehicle operators.....	211,960	22.88	47,590	21.32
Airline pilots, copilots, and flight engineers.....	76,940	( <sup>2</sup> )	129,230	( <sup>2</sup> )
Commercial pilots.....	19,940	( <sup>2</sup> )	58,720	( <sup>2</sup> )
Air traffic controllers.....	22,610	45.31	94,240	46.64
Airfield operations specialists.....	4,670	20.22	42,050	17.65
Ambulance drivers and attendants, except emergency medical technicians.....	18,420	9.80	20,380	9.10
Bus drivers, transit and intercity.....	187,900	14.77	30,730	13.96
Bus drivers, school.....	471,130	11.11	23,100	10.92
Driver/sales workers.....	397,630	11.34	23,580	9.79
Truck drivers, heavy and tractor-trailer.....	1,520,740	16.49	34,290	15.98
Truck drivers, light or delivery services.....	951,400	12.86	26,750	11.65
Taxi drivers and chauffeurs.....	131,880	10.23	21,280	9.25
Locomotive engineers.....	30,070	25.98	54,050	24.45
Locomotive firers.....	630	22.73	47,290	22.22
Rail yard engineers, dinkey operators, and hostlers.....	6,020	18.81	39,130	17.60
Railroad brake, signal, and switch operators.....	15,310	23.26	48,370	21.97
Railroad conductors and yardmasters.....	35,120	25.21	52,430	22.25
Subway and streetcar operators.....	8,720	22.52	46,850	23.49
Sailors and marine oilers.....	27,170	15.25	31,710	14.33
Captains, mates, and pilots of water vessels.....	24,050	25.52	53,090	24.47
Motorboat operators.....	3,130	17.42	36,230	16.04
Ship engineers.....	10,230	27.20	56,570	26.23
Bridge and lock tenders.....	3,490	16.48	34,270	17.61
Parking lot attendants.....	109,890	8.54	17,770	8.08
Service station attendants.....	96,450	8.86	18,420	8.22
Traffic technicians.....	5,980	16.97	35,300	16.20
Transportation inspectors.....	23,860	24.07	50,060	23.79
Conveyor operators and tenders.....	52,920	12.73	26,480	12.17
Crane and tower operators.....	44,610	18.48	38,430	17.65
Dredge operators.....	2,190	14.33	29,810	13.39
Excavating and loading machine and dragline operators.....	67,540	16.31	33,920	15.29
Loading machine operators, underground mining.....	3,520	16.04	33,370	15.79
Hoist and winch operators.....	6,440	17.63	36,660	15.18
Industrial truck and tractor operators.....	605,390	13.50	28,080	12.72
Cleaners of vehicles and equipment.....	321,630	9.28	19,290	8.34
Laborers and freight, stock, and material movers, hand.....	2,269,700	10.45	21,740	9.61
Machine feeders and offbearers.....	150,190	11.21	23,320	10.59
Packers and packagers, hand.....	868,390	8.86	18,430	8.17
Gas compressor and gas pumping station operators.....	5,250	21.56	44,840	21.07
Pump operators, except wellhead pumpers.....	10,540	18.01	37,470	17.04
Wellhead pumpers.....	8,640	15.95	33,170	15.60
Refuse and recyclable material collectors.....	137,510	12.98	27,000	12.06
Shuttle car operators.....	3,220	18.03	37,510	18.66
Tank car, truck, and ship loaders.....	15,910	16.73	34,800	15.59

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