

Occupational Employment and Wages, May 2003



U.S. Department of Labor
Elaine L. Chao, Secretary

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Preface

This bulletin provides occupational employment and wage data from the Occupational Employment Statistics (OES) survey. It includes national, State, and Metropolitan Statistical Area (MSA) estimates across all industries, as well as by industry. The tables present cross-industry national estimates for Standard Occupational Classification (SOC) detailed occupations, as well as selected industry-specific national estimates and cross-industry State and MSA estimates for selected detailed occupations. National estimates for all three- and four-digit NAICS industries and selected five-digit NAICS industries are available on the Internet at www.bls.gov/oes/. Cross-industry estimates for all States and metropolitan areas also are available on the Web site.

For many years, the OES survey has been a major source of detailed occupational employment data by industry for the Nation, for States, and for metropolitan areas. In November 2002, the OES survey changed from an annual survey of 400,000 establishments to a semiannual survey of 200,000 establishments. The OES survey samples and contacts establishments in May and November of each year and, over 3 years, contacts approximately 1.2 million establishments. The full 3-year sample allows the production of estimates at fine levels of geographic, industrial, and occupational detail.

The estimates are based on data collected during the 1999-2003 surveys and are adjusted to full universe counts for the reference period. The reference period for wage data is May 2003. The reference period for employment is the

average of May 2003 and November 2002 employment, based on information from the Bureau of Labor Statistics (BLS) Covered Employment and Wages program. The employment reference period was changed to the 2-month average in order to capture seasonal fluctuations in occupational employment.

This survey is part of the Federal-State cooperative program of occupational employment statistics, which provides information for many data users, including individuals and organizations engaged in planning vocational education programs, higher education, and employment and training programs. OES data also are used to prepare information for career counseling, for job placement activities performed at State Workforce Agencies, and for personnel planning and market research conducted by private enterprises.

This bulletin was prepared in the BLS Office of Employment and Unemployment Statistics, Division of Occupational and Administrative Statistics, under the direction of Laurie Salmon, with contributing articles by Fatemeh Hajiha, John Ichiro Jones, Patrick Kilcoyne, and Jerome Pikulinski. Benjamin Cover, John Ichiro Jones, Jillian Kerr, and Michael Soloy prepared the tables. For additional information, call (202) 691-6569 or e-mail oesinfo@bls.gov.

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Introduction

The Occupational Employment Statistics (OES) survey provides estimates of occupational employment and wages for wage and salary workers in nonfarm establishments by industry and area. Information in this bulletin reflects two recent changes in the data produced from the OES survey. For the first time, data in this bulletin are provided for industries defined according to the North American Industrial Classification System (NAICS). The survey reference period also has been changed, in order to reduce the seasonal effects of collecting data in one quarter. The OES survey used to have a fourth-quarter reference period, but the data are now collected twice a year for the reference months of May and November.

The tables in this bulletin present national, State, Metropolitan Statistical Area (MSA), and industry employment and wage data for detailed occupations. The occupational data are identified based on the Standard Occupational Classification (SOC) system. Under the SOC system, workers are classified in 1 of more than 760 occupations. For each detailed occupation, table 1 shows cross-industry national estimates of employment, hourly mean wage, annual mean wage, and percentile wages. The profiles that follow table 1 show occupational composition by industry sector.

Table 2 shows the 10 largest occupations in each four-digit NAICS industry. Table 3 presents a sample of the data available from the OES survey, including national industry-specific and State and MSA cross-industry employment and wage data for the five largest occupations in each SOC major group. The industry data are national industry-specific data for both the five industries with the greatest employment and the five industries with the highest wages for a given occupation. This differs from the national estimates in table 1, which are based on data from all industries. In addition, table 3 presents State and MSA employment and wage estimates for the five areas with the highest employment concentration in the occupation and the five areas in which workers in the given occupation earn the highest wages. The

employment concentration is the percentage of the total State or MSA employment found in the occupation. This measure provides more information than does total employment, which usually parallels population—the largest States and MSAs usually have the largest numbers of workers, regardless of the occupation.

The OES program is a Federal-State cooperative effort between the State Workforce Agencies (SWAs) and the Bureau of Labor Statistics (BLS). BLS provides technical assistance and the statistical procedures for the survey; the SWAs collect the data.

In 2003, all 50 States, the District of Columbia, Puerto Rico, Guam, and the Virgin Islands participated in the survey. Data for the territories are not included in the national estimates. Industry-specific occupational employment and wage estimates for each participating State and territory are available from the SWAs listed on the inside back cover of this bulletin.

Occupational employment estimates are based on survey results adjusted to reflect total industry employment. Mean wage is the estimated total wages for an occupation divided by the occupation's weighted survey employment. Occupations or industries with fewer than 50 workers, or with an employment relative error greater than 50 percent, are not shown. Wage estimates with a relative error greater than 30 percent are not shown. Appendix B provides more complete definitions of terms and statistical concepts.

National, State, and MSA data across surveyed industries are available on the OES Web site at www.bls.gov/oes/. National occupational employment data for all occupations at the three- and four-digit NAICS and selected five-digit NAICS levels also are available on the Web site. Additional information about the structure of the OES classification system is provided in appendix A of this bulletin. Definitions for all occupations are available on the Standard Occupational Classification Web site at www.bls.gov/soc/.

Employment and Wages by Major Occupational Group and Industry

Fatemeh Hajiha

Since 1996, the Occupational Employment Statistics (OES) program has collected occupational employment and wage information data from all industries each year. The OES survey is designed to estimate employment and wages at detailed industry and area levels based on a sample of 1.2 million establishments. The data are collected in six semiannual panels over a 3-year period. This survey design permits estimation and analysis of wage distributions by occupation across all industries, as well as within individual industries and by detailed geographic areas.

The following analysis examines employment and wages by major occupational group across all industries, and wages for detailed occupations in selected industries. Following

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the articles in this bulletin, table 1 shows cross-industry national estimates of employment, hourly mean wage, annual mean wage, and percentile wages.

Table 2 shows the 10 largest occupations in each four-digit NAICS industry. Table 3 presents a sample of the data available from the OES survey, including national industry-specific and State and MSA cross-industry employment and wage data for the five largest occupations in each Standard Occupational Classification (SOC) major group. (For a description of the SOC system used by Federal agencies, see appendix A.)

Employment and wages by major occupational group

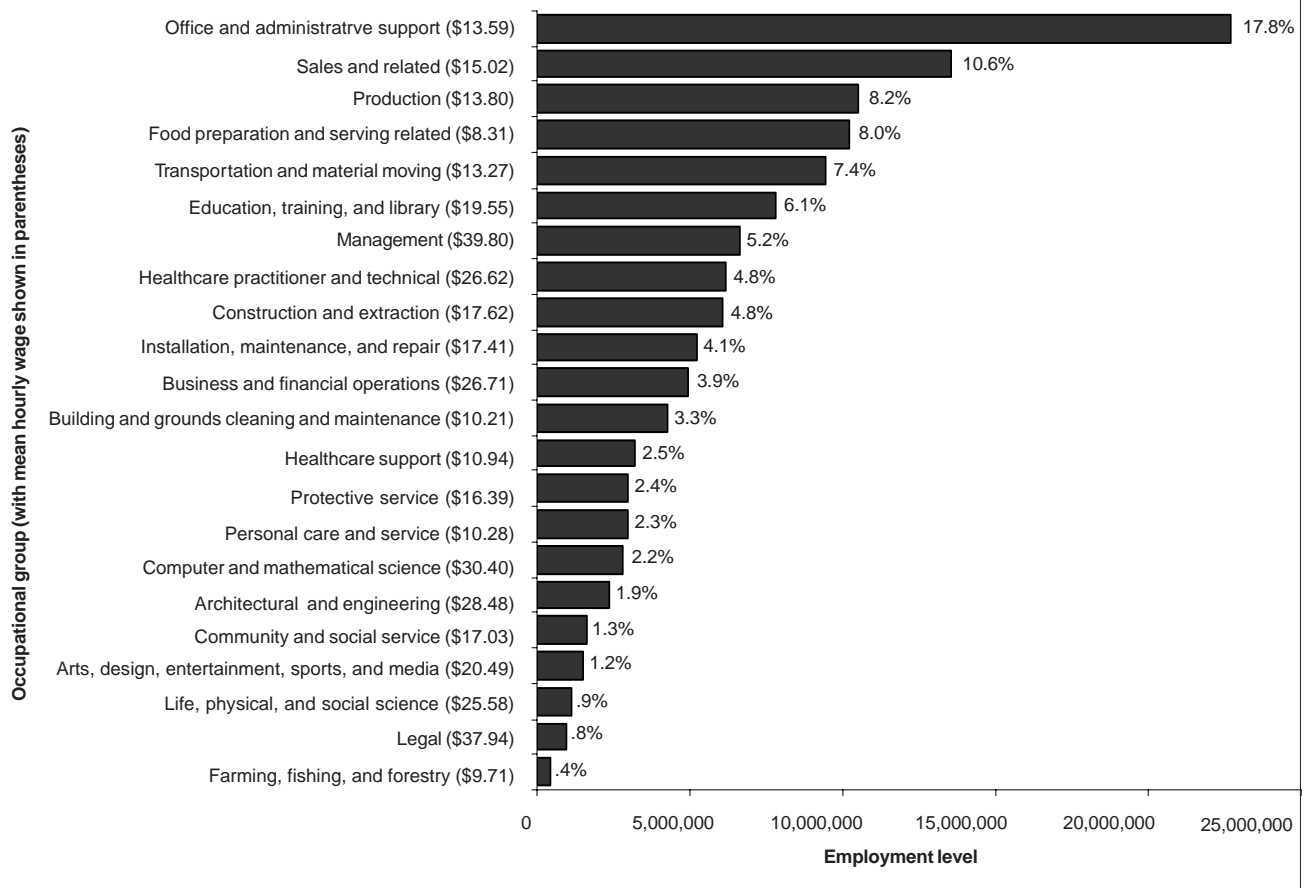
The OES program collects and publishes data for 22 of the 23

Text table 1. Percentile wages by major occupational group, May 2003

Major occupational group	Hourly earnings						Mean wage
	Employment	10th percentile	25th percentile	50th percentile	75th percentile	90th percentile	
Total	127,567,910	\$7.04	\$9.08	\$13.53	\$21.17	\$31.97	\$17.41
Management	6,653,480	16.15	23.14	34.07	49.39	(1)	39.80
Legal	951,510	13.55	18.40	28.46	49.87	(1)	37.94
Computer and mathematical	2,827,010	15.61	21.17	28.87	38.17	47.12	30.40
Architecture and engineering	2,376,650	14.84	19.89	26.89	35.57	44.25	28.48
Business and financial operations	4,924,210	13.66	17.72	23.68	32.10	42.79	26.71
Healthcare practitioner and technical	6,173,760	11.49	15.86	21.63	29.24	43.74	26.62
Life, physical, and social science	1,113,130	11.95	16.08	22.58	32.01	43.10	25.58
Arts, design, entertainment, sports, and media	1,538,150	7.69	11.09	16.88	25.33	36.15	20.49
Education, training, and library	7,831,630	8.01	11.94	18.00	25.01	32.98	19.55
Construction and extraction	6,085,510	9.11	11.65	16.04	22.24	28.92	17.62
Installation, maintenance, and repair	5,226,080	9.11	12.00	16.49	21.87	27.22	17.41
Community and social services	1,615,610	9.14	11.75	15.58	20.99	27.14	17.03
Protective service	2,999,630	7.47	9.70	14.25	21.56	28.66	16.39
Sales and related	13,534,180	6.38	7.55	10.20	17.35	28.99	15.02
Production	10,488,450	7.53	9.32	12.32	16.87	22.69	13.80
Office and administrative support	22,678,010	7.70	9.66	12.52	16.56	20.92	13.59
Transportation and material moving	9,414,920	6.85	8.36	11.31	16.08	21.55	13.27
Healthcare support	3,208,770	7.21	8.46	10.27	12.84	15.99	10.94
Personal care and service	2,988,590	6.03	6.94	8.48	11.26	16.83	10.28
Building and grounds cleaning and maintenance	4,260,380	6.32	7.38	9.02	11.83	15.75	10.12
Farming, fishing, and forestry	461,630	6.34	7.03	8.13	10.90	15.59	9.71
Food preparation and serving related	10,216,620	5.77	6.40	7.40	9.26	12.20	8.31

¹ Represents a wage above \$70 per hour.

Chart 1. Mean hourly wage and percent of total employment by major occupational group, May 2003



major occupational groups in the SOC. The OES survey does not cover military specific occupations. Chart 1 displays employment, the percentage of total employment, and the mean wage for each of these groups. The chart is arrayed by employment, with the largest occupational group on the top and the smallest group on the bottom.

In terms of employment, the 22 occupational groups fall into three broad categories. The first consists of five groups with the largest employment. They are office and administrative support; sales and related; production; food preparation and serving related; transportation and material moving. These groups together account for more than one-half of total employment, or about 66 million workers. Of the five, the office and administrative support group, with about 22.7 million workers, is the largest, and the transportation and material moving group, with more than 9.4 million workers, is the smallest. The mean wage in each of these five major groups is less than the mean wage for all workers across occupational groups (\$17.41). The food preparation and serving related group has a mean wage of \$8.31 per hour, the lowest among all occupational groups.

A second category consists of five occupational groups with midsize employment. Accounting for more than one-quarter of total employment, or 32 million workers, these

groups are education, training, and library; management; healthcare practitioner and technical; construction and extraction; and installation, maintenance, and repair. The mean wage estimates in these groups range from twice the mean wage for all workers to wages that are about the same as the mean for all workers. The management group, with about 6.7 million workers, has the second largest employment among the midsize occupational groups and the highest mean wage among all occupational groups. The installation, maintenance, and repair group, with 5.2 million workers, has the smallest employment and lowest mean wage among the midsize occupational groups.

The remaining 12 occupational groups account for 23.9 percent of total employment, or 29.3 million workers. Among these, the business and financial operations group, with around 4.9 million workers, has the largest employment, and the farming, fishing, and forestry occupations, with fewer than 0.5 million, the smallest. Four of the twelve smallest occupational groups—legal; computer and mathematical; architecture and engineering; and business and financial operations—have the second-, third-, fourth-, and fifth-highest mean wage, respectively, among all occupational groups. Another four—farming, fishing, and forestry; building and grounds cleaning and maintenance; personal care and ser-

vice; and healthcare support—have the second-, third-, fourth-, and fifth-lowest mean wage, respectively, among all occupational groups.

Percentile wages by occupational group

In addition to total employment and mean wage by major occupational group, text table 1 also displays the 10th-, 25th-, 50th-, 75th-, and 90th-percentile wages for each of the 22 major occupational groups. A percentile wage shows the percentage of workers in an occupation who earn less than a given wage and the percentage who earn more.

For example, the 50th-percentile wage, or median wage, is the pay level at which 50 percent of workers earn more and 50 percent earn less. Likewise, 10 percent of workers earn less than the 10th-percentile wage and 90 percent of workers earn less than the 90th-percentile wage. The middle 80 percent of workers in an occupational group earn wages between these two endpoints.

As indicated earlier, the lowest paid occupational group is the food preparation and serving related occupations. This is clearly indicated by the fact that, for each percentile wage shown, the food preparation and serving related group wage is lower than that for any of the other groups. In addition to being the lowest paid occupational group, the food preparation and serving related occupations have the narrowest distribution of wages among all occupational groups. Ten

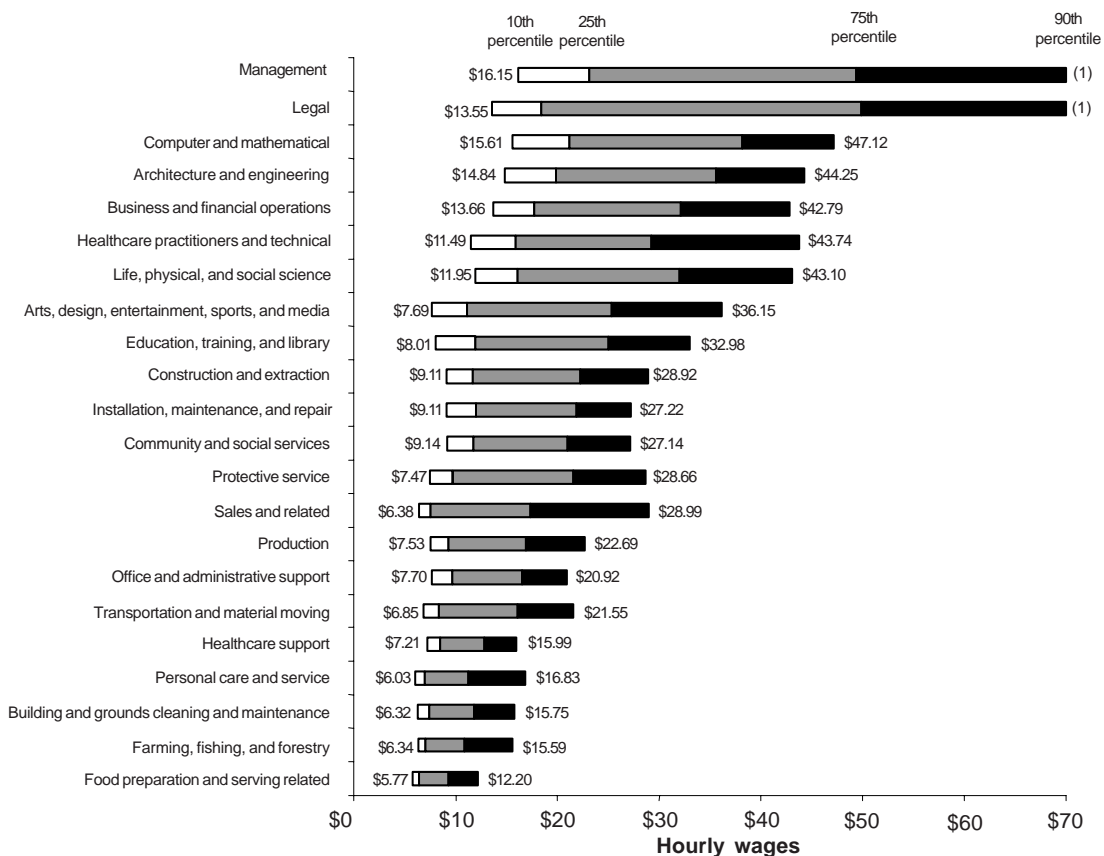
percent of the workers in this group, approximately 1 million, earn less than \$5.77 per hour, while ninety percent of the workers earn less than \$12.20 per hour, a difference of only \$6.43 per hour.

In addition to having the highest mean wage, the management occupations have the second widest distribution of wages between the 10th- and the 90th-percentile wage. Ten percent of workers in this group earn less than \$16.15 per hour, while ninety percent earn less than \$70.00 per hour, a difference of at least \$53.85 per hour. However, the management group does not have the highest wages in all percentile wage categories. The group ranks second in the 10th-percentile category. The largest distribution of wages is among legal occupations, which has a difference of at least \$56.45 between the 10th- and 90th-percentile wages.

As shown in text table 1, the mean wage in every occupational group is higher than the 50th-percentile, or median, wage for that group, suggesting that the top half of workers have a wider wage distribution than do the lower half. In other words, the distribution of wages in each occupational group is skewed towards the higher end of the wage range.

Chart 2 uses the percentile wages from text table 1 to graphically display the wage distribution for each major occupational group. Combined, the portions of the bars represent the middle 80 percent of the distribution for each group. The left endpoint of the bar indicates the 10th-percentile

Chart 2. Wage distribution by occupational group, May 2003



¹ Represents a wage above \$70 per hour.

Text table 2. Mean wages for selected OES occupations and three-digit NAICS industries, May 2003

Occupation	Industry							
	Support activities for agriculture and forestry	Utilities	Petroleum and coal products manufacturing	Food and beverage stores	Credit intermediation and related activities	Social assistance	Food services and drinking places	Personal and laundry services
Chief executive	\$58.07	\$76.80	\$82.35	\$56.83	\$70.58	\$45.28	\$44.37	\$53.87
Training and development specialists	24.13	33.57	32.51	15.71	22.06	15.97	15.85	20.21
Accountants and auditors	27.05	28.86	27.66	21.66	23.79	21.15	21.02	24.64
Sales representatives, wholesale and manufacturing, except technical and scientific products	24.11	31.68	28.67	21.30	26.32	16.67	18.69	18.66
Secretaries, except legal, medical, and executive	10.28	15.61	15.07	11.22	13.45	11.19	11.21	10.84
Janitors and cleaners, except maids and housekeeping workers	8.48	13.84	11.37	8.69	8.80	8.33	8.37	8.14
Security guards	9.02	19.66	14.84	13.01	14.66	10.07	9.57	13.30
Receptionists and information clerks	10.15	12.91	12.03	9.99	10.74	9.61	10.25	8.48

wage and the right endpoint of the bar indicates the 90th-percentile wage. Similarly, the inner bar segment between the 25th and 75th percentiles shows the middle 50 percent of the distribution for each of the occupational groups.

As shown in chart 2, the width of the wage distribution for both the middle 80 percent and middle 50 percent of workers in an occupational group declines with the mean wage of that group. Wages for the middle 50 percent of workers are skewed to varying degrees toward the lower end of the pay distribution for all occupational groups. Most noticeable in this regard are the farming, fishing, and forestry; personal care and service; and sales and related groups, with only 69 cents, 91 cents, and \$1.17, respectively, separating the 10th-percentile wage from the 25th-percentile wage. The amounts separating the 75th-percentile wage from the 90th-percentile wage in those three occupational groups are, respectively, \$4.69, \$5.57, and \$11.64, at least 6 times the amounts separating the 10th-percentile wage from the 25th-percentile wage. By contrast, wages for the middle 50 percent of workers in the computer and mathematical; architecture and engineering; education, training, and library; and installation, maintenance, and repair groups are comparatively less skewed toward the lower end of the pay distribution. In these occupational groups, the amounts separating the 75th-percentile wage from the 90th-percentile wage are at most twice the amounts separating the 10th-percentile wage from the 25th-percentile wage.

In addition to cross-industry estimates for the 22 major occupational groups, the OES program produces detailed occupational wages across all industries. These estimates show that wages for detailed occupations can vary substantially within a major occupational group. This is due to the fact that major occupational groups incorporate data from as many as 75 specific occupations in their mean hourly wages. For example, the legal occupations group includes occupations such as lawyers and legal secretaries. The wages and employment for both are included in the overall wage and

employment estimates for legal occupations, even though the mean hourly wage of lawyers is almost 3 times the wage of legal secretaries. The shares of employment accounted for by these occupations will affect the wages for the entire legal occupations group. Because of these variations, comparative wages for detailed occupations in different major occupational groups might not follow the overall pattern of wage difference noted between their respective major groups. Table 1 of this publication shows these variations.

Occupational wages by three-digit NAICS industry

The OES program also produces detailed occupational wages by industry major groups at the three-digit, four-digit, and selected five-digit industry level within the North American Industry Classification System (NAICS). Text table 2 shows the mean wage for eight selected OES occupations in eight selected three-digit industries. Wages for detailed occupations vary according to industry, as illustrated in the table. For example, while chief executives have high overall wages compared with other detailed occupations, the mean wage for chief executives itself varies depending on the industry in which they are employed.

In fact, among the occupations for which data are shown in text table 2, chief executives show the largest variation in wages, with \$37.98 separating the highest paying industry from the lowest. The mean wage for chief executives ranges from \$82.35 per hour in the petroleum and coal products manufacturing industry to \$44.37 per hour in the food services and drinking industry. Another large difference between industries, \$17.86, occurs for the occupation of training and development specialist workers. The hourly mean wage for these workers ranges from \$33.57 per hour in the utilities industry to \$15.85 per hour in food services and drinking industry. The occupation of receptionists and information clerks, exhibits a smaller variation among the selected industries, with \$4.43 separating the highest wage from the lowest. The mean wage of this occupation across

the eight selected industries ranges from \$12.91 per hour in utilities to \$8.48 per hour in personal and laundry services.

Similarly, mean wages vary across occupations in an industry. The utilities industry has the highest wages among industries shown for all occupations except chief executives, for which it has the second highest wage. It is interesting that, while the highest wages for each occupation are fairly

concentrated in this single industry, the lowest wages are found in five industries. Because text table 2 shows only a sample of industries and occupations, it may not reflect the overall wage pattern for a given industry. Detailed information about industries and occupational employment and wage estimates at the three-digit industry level are available on the OES Web site at www.bls.gov/oes/. ■

The Role of Occupational Composition in State Wage Differentials

Patrick Kilcoyne

It is commonly understood that people in some States have higher average wages than do those in other States. However, it is not always the case that moving from a State with a low average wage to one with a higher average wage will make a person better off economically, even if his or her salary increases. The cause of these interstate differences is multifaceted, and includes such factors as cost of living, industry, education level, and occupations.

One possible source of State wage differences is the occupational composition of the State's workforce. Some occupations pay higher wages than others do. If a State has an employment mix that has a greater-than-typical share of workers in high paying occupations, the State's average wage will be relatively high, all other factors being held constant. This article investigates the role of occupational composition of the State workforce in explaining differences in the average State wage, and asks to what extent State average wage differences are caused by the occupational composition or by generally higher State occupational wage rates. State occupational employment staffing patterns are examined to see how the staffing patterns affect the overall average wage rates.

Finally, we examine whether there is a correlation between the occupational composition and the wage premiums found in different States. That is, we examine whether increasing concentrations of employment in high-paid occupations increases average wage rates for workers in all occupations.

The Occupational Employment Statistics (OES) survey produces estimates of wages for 770 detailed occupations and 22 major occupational groups from the Standard Occupational Classification (SOC) system for each State, for metropolitan areas, and for the Nation as a whole. In addition, OES generates statewide and nationwide estimates of average wages across all occupations and industries. According to the May 2003 OES survey, the national average annual wage was \$36,210¹. The States with the lowest average annual wages were Mississippi, with an average of \$27,310, and South Dakota, with an average wage of \$27,620. The District of Columbia had the highest wage, with an average of \$54,040.

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The wage differential for an individual worker depends not only on the cost of living in the State, but also on the worker's skills and experience, and most importantly, his or her occupation. To see the impact that the occupational composition of each State has on the differential between the State and national average wage, the effect of the occupational component needs to be separated from the other factors.

Methodology

The average wage of each State, as computed by the OES survey, is the employment-weighted average of all of the occupational wage estimates in the State. The "staffing pattern" of a State is the distribution of the State's total employment across each occupation or occupational group, expressed as a percentage of State employment. If a State were to have the same occupational staffing pattern as the Nation as a whole, along with identical occupational wages, then the State average wage would equal the national average wage. If a State had the same occupational wage rates as the Nation, but a staffing pattern that was more concentrated in higher (or lower) paying occupations, the overall State average wage would increase (or decrease).

The comparison of cross-sectional quantitative data by separating the factors causing the differentials is known as "shift-share analysis." While shift-share analysis is often used to isolate factors contributing to changes over time, it is used here to isolate factors contributing to differences by area.

In order to isolate the effect of the State occupational staffing pattern on the overall State wage, the national wage was substituted for the State wage for every occupation. This produced the average wage for the State using the State's own staffing pattern and national wages. Inversely, to determine the effect of a State's occupational wage rates on the overall State wage, the national occupational staffing pattern must be substituted for the State staffing pattern. This was done by replacing the State occupational employment estimate with a proportional employment level using the national staffing pattern and the State's total employment. This procedure results in an average State wage based on a national staffing pattern with State wages, and demonstrates

the effect of the wage rate level on the average wage for each State. (This does not imply that the wage rate component of the wage differential can be strictly defined as a regional cost of living factor or a State wage premium. It is simply the nonoccupational component of the State average wage, but will be referred to in this article as the “wage component.”)

The overall wage differential for each State can be viewed as being made up of a wage component, an occupational component, and a residual effect. The overall State wage differential is obtained by subtracting the national average annual wage from the State average wage. The wage and occupational factors are obtained by summing the employment and weighted average wage estimates for all of the 770 OES occupations, as well as the 22 SOC major groups. The wage component is derived by substituting a “converted occupational employment” estimate for the State occupational employment, based on the national staffing pattern but using State occupational wages. The occupational component is derived by substituting national occupational wages for State occupational wages, but using the State occupational employment. To obtain these values, the national and State staffing patterns and wage rates were used in the expression below:

Results

Text table 1 presents the results of the shift-share analysis of State average wages using detailed occupational staffing patterns. The 50 States plus the District of Columbia are listed in alphabetical order, along with the average annual State wage rate, the difference from the national rate, and the amount of the difference due to the wage component and the amount due to occupational composition, as well the residual factor that is due to differences in each of the first two.

This table shows that the wage difference in most States is due mainly to the State’s occupational wage rates generally, rather than the occupational composition of the State. In fact, for all of the States, the average share of the wage difference due strictly to the wage component is 72.5 percent. Nevertheless, 32.6 percent of the difference in State average wage rates is due to the occupational composition of the States (-5.1 percent of the difference is due to the

residual factor). In some States such as Maryland and Wisconsin, the amount of the difference due to occupational composition is larger than the difference due to wages. In other States, such as Georgia and Michigan, the occupational component and the wage component have opposite signs. The combination of the two effects together is relatively small.

Text table 2 displays the percentage of State employment in each of the 22 SOC major occupational groups, as well as the national mean wage for the occupational group. This gives an indication of each State’s “staffing pattern effect” on the average State wage. Many States have similar staffing patterns, and the occupational employment shares reflect this. Office and administrative support occupations have the highest share of employment in every State, with an average of 17.4 percent and all but four States having a share between 16 and 20 percent. Although the employment shares in most categories are fairly similar, there can be large variations among the States in certain occupational groups. For example, production occupation employment shares range from a high of 14.2 percent in Arkansas to a low of 1.5 percent in the District of Columbia. Because the SOC major groups vary considerably in terms of national average wages, differences in employment distributions among the occupational groups result in differences in overall average wages.

The SOC major groups with the highest national average annual wages are management occupations (\$82,790); legal occupations (\$78,910); and computer and mathematical occupations (\$63,240). The District of Columbia has the highest percentage employment for all three of these occupational groups, and also the highest average wage at \$54,040. The SOC major groups (other than the smallest group of farming, fishing, and forestry) with the lowest national average wages are food preparation and serving related occupations (\$17,290); building and grounds cleaning and maintenance occupations (\$21,060) and personal care and service occupations (\$21,380). Hawaii and Nevada are the States with the two highest percentages of employment for all three of these groups, presumably because of the dominance of the tourism industry.

Because both of these States have relatively high concentrations of workers in low-paying occupational groups,

<i>State Wage Differential</i>	<i>Wage Component</i>	<i>Occupational Component</i>	<i>Residual</i>
$SAW - NAW =$	$\frac{\sum (COE * SOW)}{STE} - NAW$	$+ \frac{\sum (SOE * NOW)}{STE} - NAW$	$+ \sum [(NOP - SOP) * (NOW - SOW)]$
SAW	= OES State average annual wage, May 2003		
NAW	= OES national average annual wage, May 2003 (\$36,210)		
SOE	= OES State occupational employment, May 2003		
NOE	= OES national occupational employment, May 2003		
SOW	= OES State occupational wage, May 2003		
NOW	= OES national occupational wage, May 2003		
STE	= OES State total employment, May 2003		
NTE	= OES national total employment, May 2003 (127,567,910)		
NOP	= National occupational percentage = (NOE/NTE)		
SOP	= State occupational percentage = (SOE/STE)		
COE	= Converted occupational employment = (NOE/NTE)*STE		

we expect to see a negative influence of the staffing pattern on overall State wages. Consequently, text table 1 shows that the occupational component in Hawaii indicates a wage rate \$1,611 below the national average and the occupational component indicates that the wage in Nevada is \$3,662 below the national average. Hawaii has an average annual wage that is below the national average at \$35,660, but its wage component is actually \$617 above the national average. Similarly, Nevada has an average wage that is \$2,450 less than the Nation's, but its wage component is \$741 above the national average. The positive wage component indicates that, on average, workers in a given occupation in Nevada and Hawaii earn more than their counterparts in other States. It is the occupational mix of workers in these States that cause average wages to be below the national average.

The results in text table 1 show staffing pattern effects and wage effects using detailed occupational staffing patterns. A similar calculation was done using staffing patterns at the major occupational group level. As expected, the staffing pattern effects in the calculation using the detailed occupation staffing patterns were more pronounced. This is due to the variability in the wage rates at the major group level caused by differences in the detailed occupational composition with the major group. This demonstrates that disaggregating the detailed occupations and the skill levels implicit in the occupations from their major group provides further evidence of State wage differentials due to differences in the skills used by the workers in each State.

An examination of States with notably high and low wages reveals that the concentration of certain detailed occupations does have a large effect on the overall State wage. For example Alaska's average wage is \$4,370 higher than the national average. Alaska employs 990 petroleum pump system operators, refinery operators, and gaugers (SOC 51-8093). As a share of employment, there are 10 times as many of these workers in Alaska than in the Nation as a whole. Furthermore, the State average wage for this occupation, \$67,260, was roughly \$20,000 per year higher than the national average. Conversely, in West Virginia there were 760 fallers (that is, timber cutters, SOC 45-4021), who accounted for a share of the State's employment that was approximately 15 times their national employment share. The State's average wage for this occupation is \$21,320, \$10,530 less than the national average for the occupation. The overall State average wage for West Virginia was \$29,540, or \$6,670 less than the national average wage. These examples demonstrate that the predominance of detailed occupations in particular States can contribute significantly to both wage and staffing pattern effects on the State average wage.

Correlations between staffing pattern effects and wage effects

In the previous section, we saw that there are some States with both positive wage effects and positive staffing pattern effects, some States with negative effects for both compo-

nents, and some with effects of the opposite sign. We might expect a relationship between the occupational component and the wage component if wages of other workers are affected by general wage levels in the area. For example, we might expect food service workers or personal service workers in areas with high concentrations of doctors, lawyers, and engineers to be paid more than their counterparts in other areas. This relationship would be demonstrated by a positive correlation between the staffing pattern effects and the wage effects. The correlation coefficient (a number between +1 and -1, representing a positive or negative relationship) between these two columns in text table 1 is +.49.

In general, the staffing pattern effects and the wage rate effects shown in the table have the same sign. Of the 51 areas listed, 39 had effects of the same sign. Five had negative staffing pattern effects, but positive wage effects: Hawaii, Nevada, Michigan, and Rhode Island. Seven States had positive staffing pattern effects but negative wage effects: Arizona, Texas, Virginia, Idaho, and Georgia. In the latter seven States, the occupational staffing patterns suggest that the wages for these States should be higher than average but, in all except Virginia, the average wage is lower. The very low occupational wage rates in the other six States more than compensate for the high employment effects, and the overall State wages are below the national average.

Conclusion

Despite the fact that State wage differentials are caused primarily by State wage levels and other nonoccupational factors, the size of the wage differential caused by occupation is significant and varies greatly from State to State. In Virginia, the difference due to the occupational component is \$1,275 or 177 percent of the total wage differential of \$720, and the wage component is -\$644. In the state of Maryland, 75.7 percent of the wage difference is attributable to the occupational component, even though the average share for all States from this component is only 32.6 percent.

At the level of major occupational groups, the share of the State wage differential due to the wage component increases slightly from 72.5 percent to 78 percent. Because many of the States that have average wages below the national level are rural States, the wage component may reflect a lower cost of living or other regional factors. In relation to this, States with high wage components and high occupational components may have higher housing or consumer costs, but they may also be home to industries and companies that employ high percentages of professional or technical workers and pay the higher wages that these workers can command. In States where the wage component is high but the occupational component is low or negative, it is possible that employers are competing for scarce workers by paying them wages above what they would earn in other areas. ■

¹Hourly wages are converted to their full-time equivalent annual wage rate by multiplying the hourly wage by 2,080, or 40 hours per week times 52 weeks per year.

Text table 1. State average wages and the composition of differences, May 2003

State	State average annual wage	Difference from national average	Difference due to wage rates	Difference due to occupations	Difference due to residual
Alabama	\$31,330	-\$4,880	-\$3,924	-\$1,110	\$154
Alaska	\$40,580	\$4,370	\$2,606	\$1,315	\$447
Arizona	\$33,570	-\$2,640	-\$2,520	\$68	-\$196
Arkansas	\$28,530	-\$7,680	-\$6,093	-\$2,287	\$700
California	\$40,640	\$4,430	\$4,182	\$265	-\$23
Colorado	\$38,470	\$2,260	\$1,025	\$1,114	\$118
Connecticut	\$42,970	\$6,760	\$5,383	\$1,176	\$195
Delaware	\$37,520	\$1,310	\$728	\$787	-\$211
District of Columbia	\$54,040	\$17,830	\$3,253	\$12,083	\$2,492
Florida	\$32,540	-\$3,670	-\$2,380	-\$1,363	\$69
Georgia	\$34,880	-\$1,330	-\$1,561	\$150	\$82
Hawaii	\$35,660	-\$550	\$617	-\$1,611	\$436
Idaho	\$31,550	-\$4,660	-\$4,941	\$158	\$115
Illinois	\$37,340	\$1,130	\$39	\$1,288	-\$205
Indiana	\$33,070	-\$3,140	-\$2,221	-\$1,564	\$638
Iowa	\$30,950	-\$5,260	-\$4,091	-\$1,698	\$521
Kansas	\$32,960	-\$3,250	-\$3,074	-\$395	\$219
Kentucky	\$31,510	-\$4,700	-\$3,890	-\$1,276	\$467
Louisiana	\$30,410	-\$5,800	-\$5,238	-\$668	\$98
Maine	\$32,370	-\$3,840	-\$3,592	-\$487	\$232
Maryland	\$39,660	\$3,450	\$816	\$2,615	\$14
Massachusetts	\$42,830	\$6,620	\$3,983	\$2,552	\$85
Michigan	\$38,110	\$1,900	\$1,831	-\$265	\$335
Minnesota	\$38,140	\$1,930	\$1,752	\$313	-\$139
Mississippi	\$27,310	-\$8,900	-\$7,128	-\$2,569	\$795
Missouri	\$33,770	-\$2,440	-\$2,308	-\$254	\$114
Montana	\$28,980	-\$7,230	-\$6,492	-\$841	\$103
Nebraska	\$31,680	-\$4,530	-\$3,939	-\$864	\$270
Nevada	\$33,760	-\$2,450	\$741	-\$3,662	\$471
New Hampshire	\$35,750	-\$460	-\$1,087	\$487	\$138
New Jersey	\$41,020	\$4,810	\$4,651	\$258	-\$97
New Mexico	\$31,760	-\$4,450	-\$4,695	-\$77	\$315
New York	\$42,270	\$6,060	\$4,873	\$869	\$313
North Carolina	\$33,270	-\$2,940	-\$2,293	-\$786	\$131
North Dakota	\$29,380	-\$6,830	-\$5,412	-\$1,797	\$378
Ohio	\$34,870	-\$1,340	-\$970	-\$522	\$152
Oklahoma	\$30,310	-\$5,900	-\$5,651	-\$379	\$126
Oregon	\$35,550	-\$660	\$191	-\$724	-\$131
Pennsylvania	\$35,060	-\$1,150	-\$1,325	\$229	-\$53
Rhode Island	\$37,120	\$910	\$1,124	-\$369	\$149
South Carolina	\$31,160	-\$5,050	-\$4,475	-\$1,070	\$489
South Dakota	\$27,620	-\$8,590	-\$6,282	-\$3,112	\$797
Tennessee	\$31,910	-\$4,300	-\$3,591	-\$975	\$267
Texas	\$34,260	-\$1,950	-\$2,143	\$195	-\$5
Utah	\$33,020	-\$3,190	-\$3,059	-\$274	\$140
Vermont	\$33,500	-\$2,710	-\$1,456	-\$1,265	\$11
Virginia	\$36,930	\$720	-\$644	\$1,275	\$90
Washington	\$39,600	\$3,390	\$3,549	\$98	-\$261
West Virginia	\$29,540	-\$6,670	-\$5,966	-\$1,146	\$440
Wisconsin	\$33,980	-\$2,230	-\$883	-\$1,621	\$269
Wyoming	\$31,190	-\$5,020	-\$5,332	-\$890	\$1,202

Text table 2. State percentage of employment by SOC major group, May 2003

State	Management (\$82,790)	Business and financial operations (\$55,550)	Computer and mathematical (\$63,240)	Architecture and engineering (\$59,230)	Life, physical, and social science (\$53,210)	Community and social services (\$35,420)	Legal (\$78,910)	Education, training, and library (\$40,660)	Arts, design, entertainment, sports, and media (\$42,620)	Health-care practitioners and technical (\$55,380)	Health-care support (\$22,750)
Alabama	5.1	3.0	1.6	1.9	0.6	0.8	0.5	5.5	0.8	5.4	2.3
Alaska	7.3	3.0	1.1	2.2	2.2	2.0	0.9	7.0	1.0	4.2	1.9
Arizona	5.4	4.0	2.0	2.4	0.7	1.1	0.7	5.8	1.0	4.2	2.4
Arkansas	4.2	3.0	1.2	1.0	0.6	1.2	0.5	5.7	0.7	5.3	2.4
California	5.4	4.4	2.7	2.2	1.0	1.2	0.8	6.2	1.5	3.9	2.1
Colorado	5.2	4.5	3.6	2.5	1.2	1.1	0.7	5.6	1.5	4.1	2.0
Connecticut	5.2	4.9	2.7	2.3	1.1	1.9	0.8	7.2	1.3	5.2	3.0
Delaware	6.6	4.5	2.4	1.2	1.6	1.6	0.9	5.2	0.7	4.7	2.0
District of Columbia	11.1	10.4	4.8	2.1	3.0	1.3	5.8	4.4	3.0	4.4	1.2
Florida	3.9	3.7	1.9	1.6	0.6	1.2	0.9	4.8	1.2	5.0	2.4
Georgia	5.9	3.6	2.6	1.4	0.6	0.9	0.7	6.3	0.9	4.3	2.0
Hawaii	4.5	3.6	1.3	1.5	1.2	1.6	0.8	6.5	1.7	4.1	2.3
Idaho	6.5	3.0	1.6	2.3	1.7	1.4	0.6	5.9	1.1	4.8	2.6
Illinois	6.8	4.3	2.2	1.6	0.7	1.1	0.7	6.4	1.2	4.8	2.1
Indiana	4.5	3.1	1.3	1.8	0.6	1.0	0.4	5.4	0.9	5.1	2.2
Iowa	4.6	3.7	1.5	1.3	0.7	1.5	0.5	6.1	1.1	4.7	2.7
Kansas	4.7	3.6	2.1	2.0	0.7	1.1	0.6	6.4	1.1	4.9	3.0
Kentucky	5.0	2.7	1.4	1.3	0.5	1.2	0.6	5.9	0.8	5.5	2.7
Louisiana	5.8	2.7	0.9	1.6	0.7	1.3	0.7	5.9	0.8	5.7	2.8
Maine	5.8	3.1	1.2	1.5	0.7	2.1	0.6	7.5	1.0	5.6	3.3
Maryland	7.6	4.3	3.8	2.1	1.4	1.5	0.9	6.4	1.2	5.0	2.2
Massachusetts	7.3	4.1	3.3	2.3	1.4	1.7	0.9	6.5	1.3	5.7	2.7
Michigan	3.9	4.3	1.8	3.1	0.9	0.9	0.6	5.7	1.2	5.0	2.7
Minnesota	4.7	5.1	2.6	2.0	1.0	1.7	0.7	5.9	1.2	5.2	2.7
Mississippi	4.7	2.2	0.8	1.3	0.6	0.8	0.6	6.1	0.7	5.5	2.5
Missouri	5.4	3.6	2.1	1.3	0.6	1.1	0.7	5.6	1.3	5.5	2.8
Montana	6.2	2.8	1.2	1.4	1.6	1.7	0.7	6.7	1.3	5.0	2.8
Nebraska	4.7	3.6	2.2	1.3	0.9	1.5	0.4	5.9	1.2	5.1	2.9
Nevada	4.1	2.8	1.0	1.3	0.6	0.6	0.6	3.8	1.1	3.5	1.5
New Hampshire	6.2	3.6	2.0	2.1	0.7	1.2	0.5	7.1	0.9	4.9	2.2
New Jersey	4.8	4.4	3.0	1.5	1.0	1.4	0.7	6.3	1.0	4.5	2.6
New Mexico	6.0	3.2	1.7	2.7	1.4	1.4	0.9	6.6	0.9	4.8	2.6
New York	4.6	4.0	2.1	1.4	0.8	1.8	1.2	8.0	2.0	5.2	3.4
North Carolina	5.1	3.0	2.0	1.4	1.0	1.2	0.5	6.3	0.8	4.9	2.7
North Dakota	5.4	2.7	1.4	1.3	0.9	1.5	0.5	6.4	1.1	5.6	3.2
Ohio	4.6	3.9	1.8	1.8	0.6	1.1	0.6	5.4	1.1	5.3	2.9
Oklahoma	5.5	3.3	1.5	1.5	0.8	1.3	0.6	6.7	0.9	5.3	3.1
Oregon	4.8	3.8	2.1	2.1	1.3	1.9	0.6	6.3	1.3	4.4	2.4
Pennsylvania	6.0	3.6	1.9	1.6	0.8	1.5	0.8	5.7	0.9	5.7	2.7
Rhode Island	4.2	3.9	2.2	1.7	1.0	2.1	0.9	7.1	1.2	6.0	3.4
South Carolina	6.0	2.8	1.2	1.9	0.6	1.2	0.7	5.6	0.9	4.9	2.4
South Dakota	3.4	2.9	1.4	1.0	0.6	1.2	0.4	6.2	1.3	5.5	2.9
Tennessee	6.1	3.0	1.4	1.4	0.5	1.0	0.5	5.1	1.0	5.4	2.4
Texas	5.5	3.5	2.2	2.1	0.8	0.8	0.7	6.9	1.0	4.4	2.4
Utah	5.3	3.4	2.5	1.9	1.1	1.4	0.6	5.7	1.3	4.0	2.0
Vermont	2.8	3.5	1.8	2.2	1.1	2.4	0.6	9.0	1.5	5.4	2.5
Virginia	4.8	5.0	4.3	2.1	1.0	1.1	0.9	6.1	1.2	4.3	2.0
Washington	3.3	4.7	3.3	2.7	1.4	1.7	0.8	6.3	1.5	4.8	2.6
West Virginia	5.1	2.5	1.1	1.4	1.0	1.5	0.8	5.6	0.9	6.5	3.1
Wisconsin	4.1	3.4	1.7	1.8	0.9	1.2	0.5	5.5	1.2	4.7	3.0
Wyoming	5.4	2.4	0.8	1.5	1.5	1.4	0.7	6.5	0.9	4.4	2.2

Text table 2. State percentage of employment by SOC major group, May 2003—Continued

State	Protective service (\$34,090)	Food preparation and serving related (\$17,290)	Building and grounds cleaning and maintenance (\$21,060)	Personal care and service (\$21,380)	Sales and related (\$31,250)	Office and administrative support (\$28,260)	Farming, fishing, and forestry (\$20,200)	Construction and extraction (\$36,650)	Installation, maintenance, and repair (\$36,210)	Production (\$28,710)	Transportation and material moving (\$27,600)
Alabama	2.2	7.5	3.0	1.6	10.9	16.3	0.4	5.1	5.2	11.4	8.9
Alaska	3.8	7.7	3.3	2.7	8.4	17.5	0.2	6.9	5.3	3.6	7.8
Arizona	2.7	8.8	3.7	2.3	11.1	17.7	0.6	7.2	4.4	5.4	6.5
Arkansas	1.9	7.6	3.0	1.6	10.1	16.0	0.6	4.3	4.8	14.2	9.9
California	2.5	7.8	3.2	2.1	10.3	18.6	1.2	4.9	3.5	7.4	7.0
Colorado	2.1	8.8	3.4	2.4	11.8	17.9	0.2	6.0	4.1	5.2	6.3
Connecticut	2.3	6.9	3.6	2.7	11.0	18.4	0.1	3.4	3.3	7.3	5.5
Delaware	1.9	7.4	3.7	2.0	10.8	21.2	0.2	4.8	4.3	6.5	5.7
District of Columbia	3.9	6.4	3.9	1.4	4.7	20.8	0.0	2.0	1.4	1.5	2.5
Florida	2.9	8.5	3.9	2.7	12.1	19.6	0.7	5.6	4.0	5.4	7.6
Georgia	2.4	7.8	3.0	1.9	11.0	17.6	0.3	4.3	4.6	9.2	8.6
Hawaii	3.8	12.2	5.9	3.4	10.5	16.7	0.2	4.5	3.9	3.4	6.5
Idaho	1.9	8.2	3.5	1.6	10.3	16.6	1.0	5.8	4.6	7.2	7.8
Illinois	2.4	7.2	3.2	2.1	10.2	17.9	0.1	4.2	3.7	9.0	8.3
Indiana	1.9	8.7	3.1	1.9	9.8	16.0	0.2	4.8	4.5	13.9	8.7
Iowa	1.5	8.5	3.2	2.3	10.6	17.0	0.4	4.3	4.3	11.3	8.2
Kansas	1.8	8.0	3.2	2.4	10.5	17.3	0.2	4.9	4.6	9.6	7.2
Kentucky	1.9	8.2	3.1	1.8	10.0	16.7	0.3	5.0	4.5	11.5	9.1
Louisiana	3.0	8.9	3.3	2.6	10.1	16.4	0.4	6.4	5.0	6.8	7.8
Maine	1.8	8.9	3.6	2.2	10.6	16.2	0.4	5.1	4.4	7.6	7.0
Maryland	2.7	7.8	3.4	2.2	10.0	17.6	0.1	5.5	3.9	4.4	6.1
Massachusetts	2.4	7.9	3.4	2.3	10.1	17.7	0.1	3.8	3.4	6.4	5.3
Michigan	1.8	8.3	3.2	2.2	10.9	16.0	0.2	4.3	4.1	11.9	7.1
Minnesota	1.8	8.0	3.1	2.7	11.2	17.0	0.2	4.4	3.6	8.9	6.4
Mississippi	2.8	8.3	3.2	2.3	10.2	16.1	0.5	4.9	4.6	12.1	9.2
Missouri	2.1	8.7	3.4	2.4	10.5	17.8	0.2	4.7	4.0	8.9	7.4
Montana	1.8	10.6	4.1	2.6	10.7	16.4	0.6	6.0	4.8	4.4	6.7
Nebraska	1.6	8.1	3.2	1.8	10.6	18.1	0.5	4.7	4.2	9.3	8.1
Nevada	2.9	12.5	5.7	6.3	11.3	16.6	0.1	7.7	4.1	3.7	8.1
New Hampshire	1.8	8.6	3.2	2.4	13.0	16.7	0.1	4.0	4.1	8.9	5.6
New Jersey	2.8	6.5	3.5	2.9	11.3	20.0	0.1	3.7	3.7	5.9	8.4
New Mexico	3.1	9.6	3.9	2.5	10.3	16.3	0.6	6.7	4.3	4.3	6.3
New York	3.0	6.5	3.5	3.1	10.4	19.9	0.1	3.8	3.7	5.7	5.6
North Carolina	2.0	7.8	3.1	2.0	10.5	16.5	0.2	4.6	4.6	11.7	8.1
North Dakota	1.2	9.5	3.7	3.4	11.2	17.1	0.3	5.0	4.6	6.2	7.7
Ohio	2.1	8.5	3.1	2.0	10.1	17.1	0.1	4.1	4.2	11.3	8.3
Oklahoma	2.2	8.5	3.1	1.7	10.5	17.9	0.2	5.1	4.7	8.6	6.9
Oregon	1.9	8.5	3.1	2.0	10.4	17.8	0.7	4.5	4.0	8.3	8.0
Pennsylvania	2.1	7.7	3.2	2.3	10.5	18.1	0.1	4.2	4.1	8.8	7.6
Rhode Island	2.3	9.0	3.2	2.5	9.5	17.8	0.1	3.9	3.5	9.0	5.8
South Carolina	2.1	8.6	3.7	1.9	10.1	15.4	0.4	4.8	4.9	11.9	8.0
South Dakota	1.4	10.1	4.2	2.9	11.7	17.8	0.3	5.3	4.0	7.9	7.5
Tennessee	2.2	8.0	3.2	1.7	9.8	16.8	0.2	4.1	4.2	11.9	10.1
Texas	2.5	8.1	3.2	2.7	10.9	17.8	0.2	5.4	4.5	7.2	7.1
Utah	2.1	7.5	3.3	1.9	11.8	18.6	0.2	6.2	4.3	7.9	7.0
Vermont	1.2	8.3	3.5	2.6	10.3	17.6	0.3	5.2	4.0	8.5	5.6
Virginia	2.4	7.5	3.6	2.1	11.1	16.7	0.2	5.5	4.5	6.7	6.9
Washington	2.0	8.4	2.8	2.4	11.2	17.2	0.5	5.1	4.2	5.8	7.4
West Virginia	2.0	8.7	3.3	2.2	10.6	16.6	0.4	6.1	5.0	7.0	8.7
Wisconsin	1.7	8.3	3.4	2.4	9.7	16.9	0.1	4.5	3.8	12.9	8.1
Wyoming	2.3	9.9	4.3	2.3	9.4	14.0	0.2	9.4	6.0	5.3	9.2

New and Emerging Occupations

Jerome Pikulinski

The process for developing the current and future employment estimates for established occupations is systematic—starting with collecting information on the current workforce and concluding with analysis leading to projections of this employment. In addition to measuring employment for existing occupations, many consumers of data also want information on new occupations. The Occupational Employment Statistics (OES) survey conducted by the Bureau of Labor Statistics (BLS) provides information about new and emerging (N&E) occupations in addition to employment and wages estimates for established occupations.

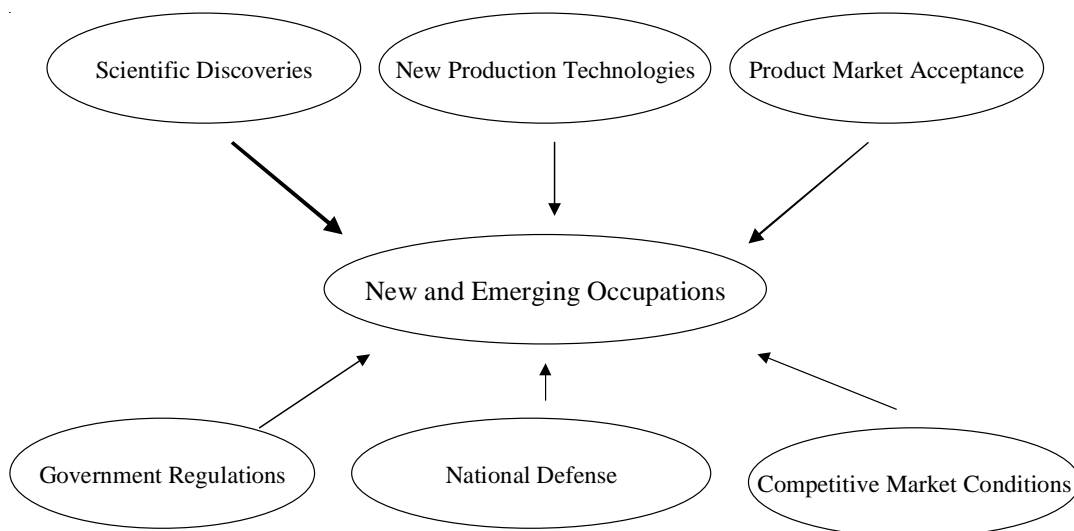
Background

The identification of new occupations requires an understanding of the processes that create new forms of work in our economy. These processes, shown in the diagram below, include new scientific discoveries, development of new production technologies, new product market acceptance, government regulatory requirements, research on and de-

velopment of national defense capabilities, and a variety of competitive market conditions. By the time that one can conclusively confirm that there indeed is a new occupation in the workforce, the occupation is often an accepted requirement in the evolving employment market. Because occupations tend to evolve in the processes identified above, new job titles in related industries that appear in the OES survey serve as clues to the identification of N&E occupations.

Sometimes, confusion can develop about how to interpret a job title. An occupational classification is a broad concept that generally includes numerous job titles. On one hand, a title may simply be a variation in the way of naming an existing occupation. When a new title appears in the workforce, it usually refers to a job that includes activities that relate to the definition of an existing occupation. On the other hand, job titles and related descriptions may be sufficiently explicit to suggest a skill departure from existing occupational classifications. Sometimes, the occupation title stays the same, but the core activities that define the occupation change. In such cases, a determination must be made as to whether the new title and duties constitute a new occupation.

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Relating the new title to knowledge of one or more of the processes previously identified provides the clues needed to treat the occupation as new and emerging. Occasionally, a new occupation appears that has a new title and clearly has activities that do not fall within the definition of any existing occupation. Typically these new occupations are coded into one of the residual classifications of the Standard Occupational Classification (SOC) system. In addition to jobs with new titles and work activities, some occupations, though not new, are migrating into new industries where the related technologies and processes were not previously found.

Methodology

The observations in this article are based on data from establishments responding to the Occupational Employment Statistics (OES) survey. This survey is conducted by the State Workforce Agencies in cooperation with BLS. The responding establishments complete survey forms, using a limited list of occupations and their definitions. They indicate how many workers they have in these occupations by specific wage intervals. They further provide the job title and job definition for any worker not included in the list of occupations on the form.

Labor market analysts in the States review the entries of titles added to the survey form by respondents and determine the occupational classifications into which the data should be placed. As indicated above, the occupational classification structure used in the OES survey is the 2000 SOC system. Entries that cannot be assigned to a specific detailed occupation usually are assigned to “all other” categories. These original entries include clues for identifying N&E occupations. Sometimes, it is not clear which occupation the respondent entry relates to. If the State analyst finds that the entry does not relate to any occupation in the SOC, including the “all other” categories, he or she may seek assistance from a BLS coding expert. These inquiries provide other clues for identifying N&E occupations.

The information in this report was obtained from the 2001 OES survey. States sent the relevant survey entries dealing with potentially new occupations to BLS. At BLS, the information is reviewed and grouped by potential occupation. There is a great deal of judgement that must be used at every stage of this process. As a result, there are no employment estimates for these occupations. Nonetheless, the information provided can be useful to the overall effort of identifying N&E occupations.

In other words, the information provided in this report consists simply of counts of observations made along the way. In total, the number of questionnaire sheets that had information about N&E occupations, 102, is estimated to be much less than one-tenth of 1 percent of the total of reviewed supplemental sheets. This number was used in percent computations for chart 1, whereas counts and percentages in chart 2 are based on the distribution of a total of 526 workers who were found in N&E occupations.

Patterns of new and emerging occupations

The 102 selections of potential N&E occupations were analyzed as a group with respect to a variety of distributions: Establishment size, industry, wage, regional, and classification distribution. When possible, comparisons include related distributions of national employment data.

Establishment size. Chart 1 shows that 50 percent of the N&E occupations were reported by establishment units having fewer than 50 employees. More than 90 percent of the establishments were in the category having fewer than 50 employees. It appears that small establishments, by virtue of their numbers in this interval, have an edge in the creation of N&E occupations. These surveyed units could have been either small establishments or special operating units within larger firms. The lowest percentage of N&E occupations was reported by firms with more than 1,000 employees. However, larger firms contribute a higher proportion of N&E jobs relative to the number of establishments their size.

There is another comparison to be made between the relative total employment of firms and the incidence of employment in N&E occupations by firm size. Chart 2 shows that, in the category of establishments with fewer than 50 employees, employment in N&E occupations is a higher proportion of total N&E employment than it is of national employment in that size category. The same is true in the category of establishments with 50 to 99 employees. This suggests that firms with 100 or more employees do not generate N&E occupations in proportion to their representation in total national employment.

Industry distribution. New and emerging occupations occur in a number of industries. More than 60 percent of the N&E occupations arise in services. (See chart 3.) This dominant major industry group includes health, social services, legal assistance, and education. Examples of N&E occupations include tissue process technicians, hazardous materials drivers, and genetic counselors, among others. In addition, services includes personal, business, and amusement and recreation services.

Manufacturing, primarily in durable goods, is the second largest source of N&E occupations. Wholesale and retail trade continue to be a source of new and emerging occupations. Other noteworthy industries include transportation, communications, and utilities.

Wage distribution. One-half of the reported new and emerging occupations are found in the group of wage ranges under \$17. The N&E occupations in the two highest wage categories include researchers in ultrasound and transducer technology, compliance engineers, chief software architects, and technology managers.

The wage data reported here are the modal values of wages reported for each N&E occupation. The distribution shown in the chart 4 approaches a normal one. There is some skewing toward the low end of the range.

Regional distribution. Chart 5 indicates that some regions of the country may account for a larger percent of N&E occupations. The number of such occupations is relatively high in Western and Southwestern States and low in Southeastern and Midwestern States, compared to the total workforce employed.² The N&E occupational data reported in this chart are based on counts of job titles in each region.

SOC distribution. From an occupational classification perspective, the pattern of N&E occupations consists of a complex distribution that cuts across previously noted industry patterns. (See chart 6.) The 2001 N&E data showed a number of production occupations that cut across industries. Study and experience continue to show that, within industry classifications, many positions fall into occupational patterns that cut across industry lines. For example, production occupations were found in the construction, manufacturing, and wholesale trade industries, but the manufacturing industry also employs managers; installation, maintenance, and repair personnel; transportation workers; and personnel to staff business and financial operations. These occupations, in turn, are common to many other industries.

Summary of patterns in N&E occupations

The patterns noted in the 2001 OES data indicate that most N&E occupations appeared in firms with fewer than 100 employees. No single industry dominated in the creation and growth of these occupations. More than one-half of these were distributed among human services, transportation, communications, business and personal services, and a wide variety of wholesale and retail trade activities. Slightly more than half of all N&E occupations were paid in a range of \$8.50 to \$17. No State dominated in the creation of N&E occupations. No single occupation classification dominated the field of N&E occupations; however, healthcare, management, and production occupations were the three most frequent occupational classifications observed.

Developments in particular occupational groups

Lists of specific occupations that are new or emerging are presented in the following sections.

Occupations in the construction field

- Metal stud framer
- Epoxy floor installers

² The regions in Chart 5 are defined as follows: Western: Alaska, Arizona, California, Guam, Hawaii, Idaho, Nevada, Oregon, and Washington. Southwestern: Arkansas, Colorado, Kansas, Louisiana, Missouri, Montana, New Mexico, Oklahoma, Texas, Utah, and Wyoming. Midwest: Illinois, Indiana, Iowa, Michigan, Minnesota, Nebraska, North Dakota, Ohio, South Dakota, and Wisconsin. Southeastern: Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, and Tennessee. Mid-Atlantic: Delaware, District of Columbia, Maryland, New Jersey, Pennsylvania, Virginia, and West Virginia. New England: Connecticut, Maine, Massachusetts, New Hampshire, New York, Rhode Island, and Vermont.

New building systems, particularly in commercial construction, and increased use of new materials explain the appearance of new occupations in the traditional construction industry.

Occupations in the field of educational services

- School diagnosticians
- Home-school liaison
- Adaptive physical education specialist
- Technology infusion specialist
- Distance learning coordinators
- Director of technology
- Poison information specialist
- Technology coordinator
- Poison information technician
- Athletic compliance coordinator

Education continues to create N&E occupations. Some of these arise in connection with the objective of tailoring educational services to students' special needs. Others are associated with the use of improved telecommunication applications to deliver education. The spread of technology and its general uses in education explain the creation of other specialist occupations. Governmental regulations governing athletic and other physical education programs have contributed to the creation of other occupations in special education and the administration of athletic programs.

Health services occupations

- Monitor technicians
- Medical specimen couriers
- Patient-care technicians
- Urine sample collectors
- Polysomnographic technicians
- Tissue process technicians
- CRN anesthesiologist
- Tissue and eye bank technicians
- Spiritual caregiver
- Tissue service coordinator
- Genetic counselor
- Sanitization technician
- Medical certification clerk
- Plasma processor
- Schedulers for surgical cases
- Night monitors

In the health field, N&E occupations have addressed specialized patient care, continuing responses to advancing medical technologies, improved scheduling of surgical pro-

cedures, and alternative medical service delivery approaches. Increased attention has been directed toward management and care of tissue banks. In light of recent genome developments, genetic counselors are appearing upon the medical scene.

Social service occupations

- Bill review nurse
- Adult protective services
- Energy auditor
- HazMat drivers
- Weatherization director
- Director, information management
- Cheer workers
- Disaster preparedness staff

There are several groups of occupations in social services—nurses and information management workers employed in new fields; workers helping seniors and others in their homes; and disaster preparedness staff. Nurses continue to be employed in areas other than those directly related to providing clinical care services, primarily in the control of medical costs. In addition, a new occupation for nurses was found in the legal field, where they are employed as legal nurse staff specialists. Information management, like nursing, is not a new field, but one that continues to appear in a number of new industry settings. Senior and disabled persons are creating situations calling for cheer workers, who provide opportunities for therapeutic interaction, and others, who investigate charges and complaints of mistreatment. Drivers qualified to deliver hazardous materials may provide oxygen to residences and other service locations. Providing services for the insulation and heating of residences has created occupations in weatherization and heating cost recovery. Finally, increased awareness of disaster preparedness is driving the creation of related positions.

Transportation occupations

- Horsedrawn carriage drivers
- Handicapped bus aides

Clearly carriage driver is not a new occupation; however, its appearance in connection with the development of urban entertainment districts makes this occupation noteworthy. Attention to the mobility needs of handicapped persons has contributed to the creation of aide occupations to assist them on buses.

Service occupations

- Surveillance person
- Producer-Internet provider (ISP)
- Psychic counselors
- Chief software architect

- Matchmakers
- Web analyst
- Bar-proof checker
- Digital imagers and modelers
- Customer insight analyst
- Interactive media planner
- Senior supply chain manager
- Televideo engineer
- Divers—underwater inspectors

A variety of service occupations are appearing. Some deal with security needs. Others reflect cultural attitudes about future uncertainties or finding a mate. Applications of behavioral science to marketing are creating other kinds of marketing research jobs. The continuing drive to improve the efficiency of manufacturing operations through better material management has created specialist positions. Increased attention to national security has created highly specialized underwater inspection jobs at docks and ports.

Of special note are the employment effects of the Internet and telecommunication technologies. A variety of new, specialized occupations continue to appear as a result of these, such as producers for Internet service provider sites, Web analysts who study utilization patterns, and interactive media planners. The pattern in development of these N&E occupations appears to have its parallel in the development of new occupations that followed the introduction of automotive technology. The latter industry has continued to contribute to N&E occupations for more than 100 years. The same engine for job innovation seems to be developing within the Internet and telecommunication industries.

Engineering services and manufacturing occupations

- Hazardous material engineer
- Neon glass benders
- Compliance engineer
- Cultured marble caster
- Laser engineer
- Glue mixer
- Optical design engineer
- Perfumers
- Optical engineer
- Translators
- Roof truss designers
- Missile specialists
- Pharmacokineticist
- Truss layout and assembly workers

New materials and processes have contributed to the creation of new occupations, while the regulatory concern for

the associated environmental and health impacts of these have created additional occupations. The use of lasers and various optical technologies continues to generate new occupations. Use of manufactured housing components has produced both design and production occupations. The drug industry has seen the creation of an occupation, pharmacokineticist, concerned with establishing dosage standards related to the drug availability of retained drug dosages in patients.

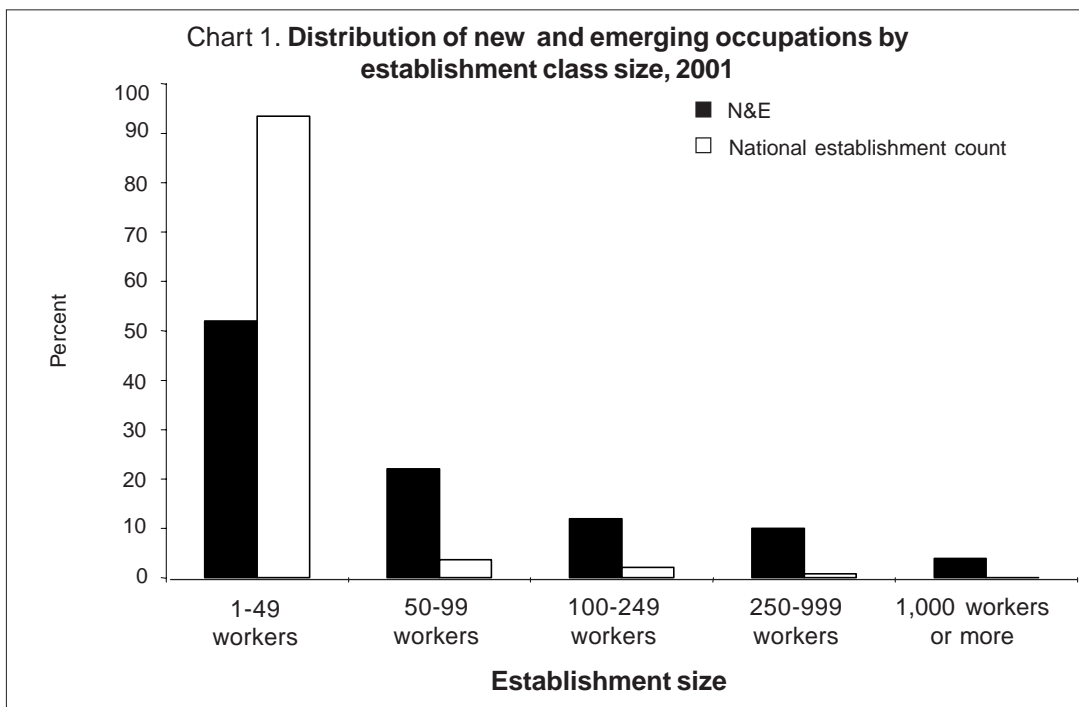
Some occupations are not new but are once again emerging due to consumer preferences. The cultural resurgence of neon lighting has created the need for neon benders. Market demand for cast marble surfaces has resulted in more work for those who cast it. Finally, the growth of small-scale perfume distributors has led to growth in employment of perfume mixers.

Other occupations that are not new but are emerging in engineering and sciences include translators, as manufacturers' foreign markets and contacts increase. The maintenance and renewal of U.S. national defense capabilities have contributed to the expanded employment of missile specialists.

Summary and conclusions

The "supplemental sheet" data from the 2001 OES survey have yielded a number of observations about potentially new and emerging occupations. As pointed out in the methodology discussion above, the methods employed to analyze these developments more closely resemble case study techniques. No claim is made about statistical significance and reliability; however, comparisons with total employment patterns suggest the reasonableness of the observations. A number of occupations have been highlighted to substantiate patterns with specific details.

If any conclusions are possible, they are that new and emerging occupations are being created throughout the economy, in many industries and in many States. To identify these new and emerging occupations, it is necessary to monitor developments in a number of areas: Scientific discoveries, new production technologies, market acceptance of new products, competitive market conditions, national defense, and government regulations. With respect to new and emerging occupations, new technologies and increasing human needs serve as the engine and fuel for their creation and expansion. ■



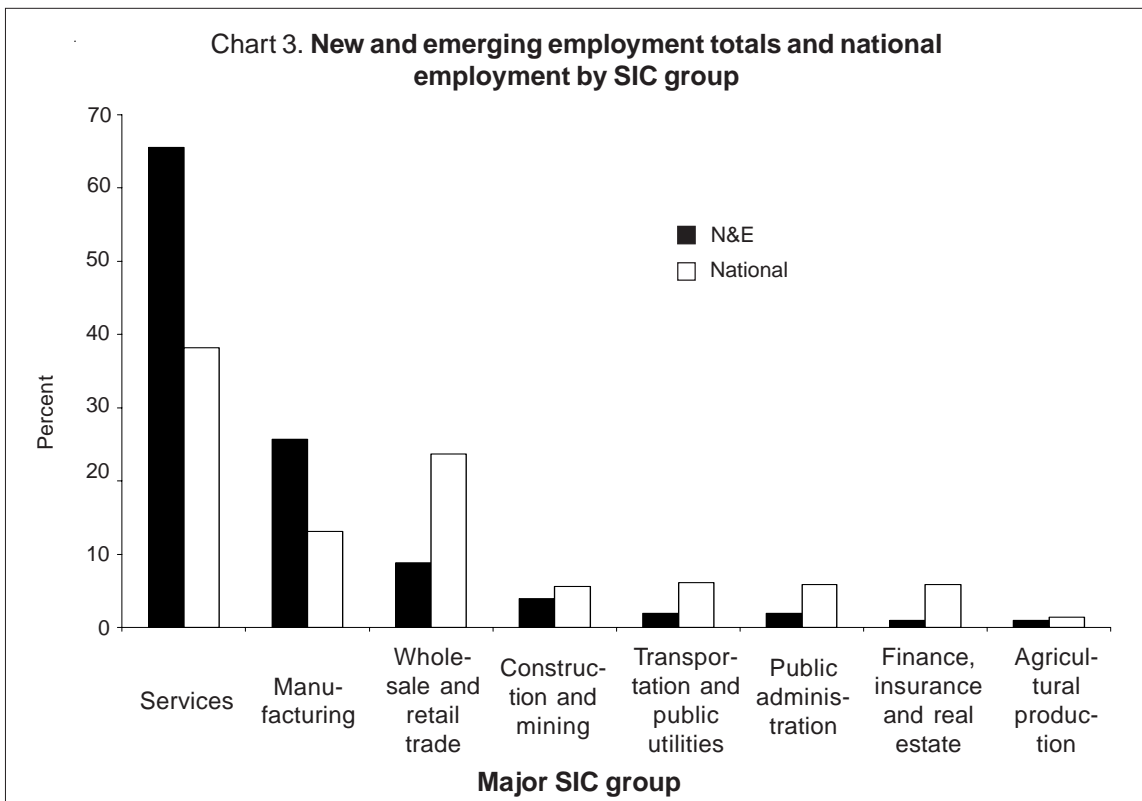
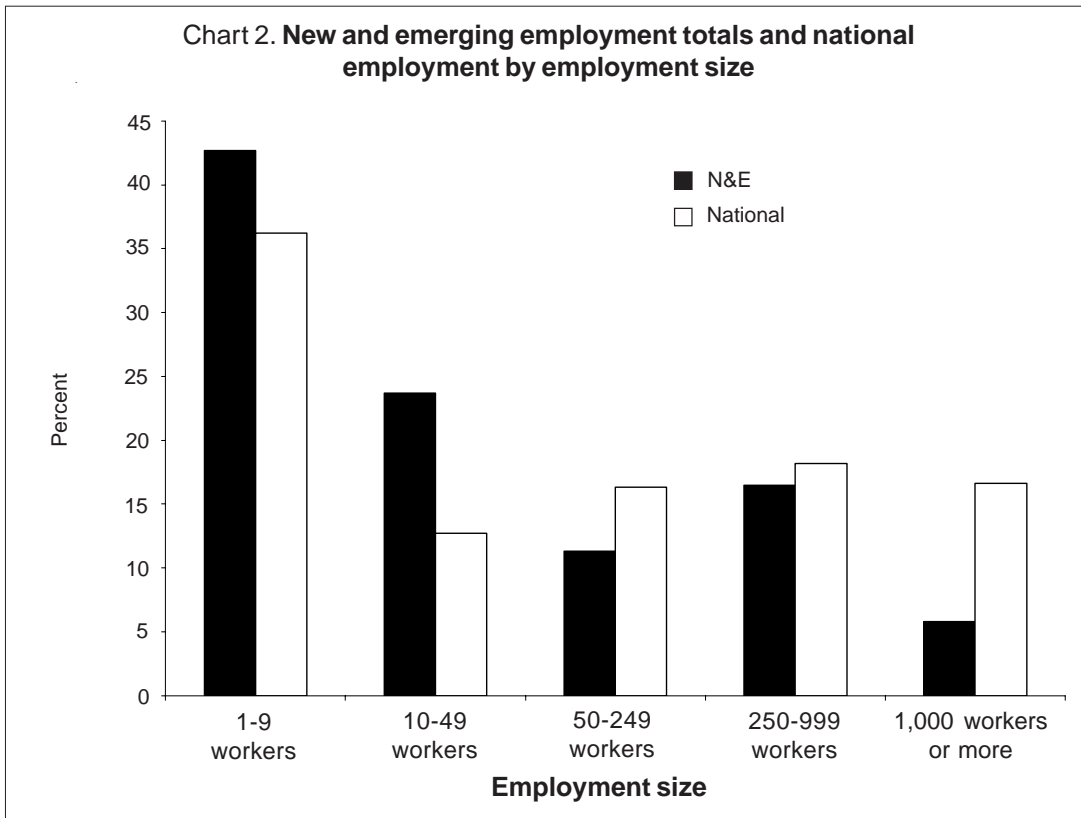


Chart 4. Relative distribution of new and emerging occupations by survey wage range

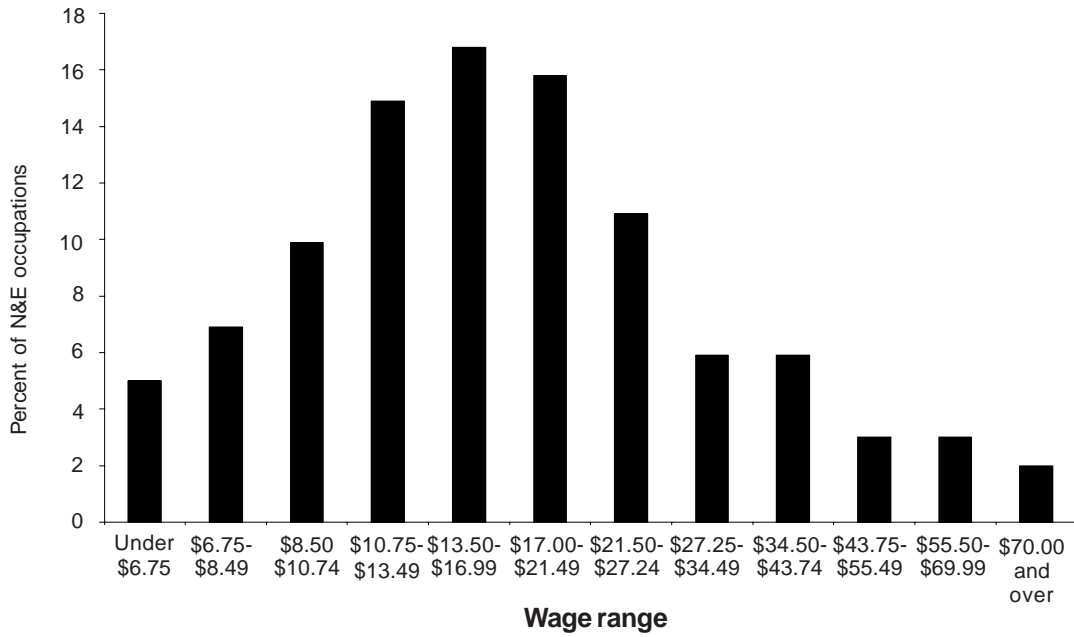


Chart 5. Regional distribution of new and emerging occupations and national employment

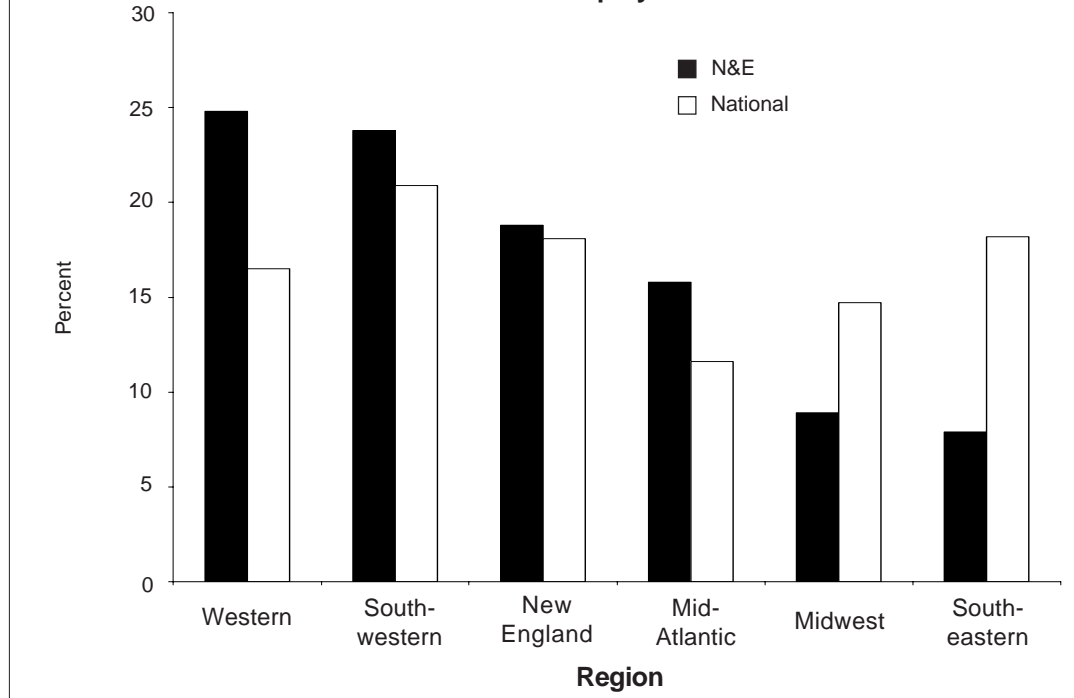
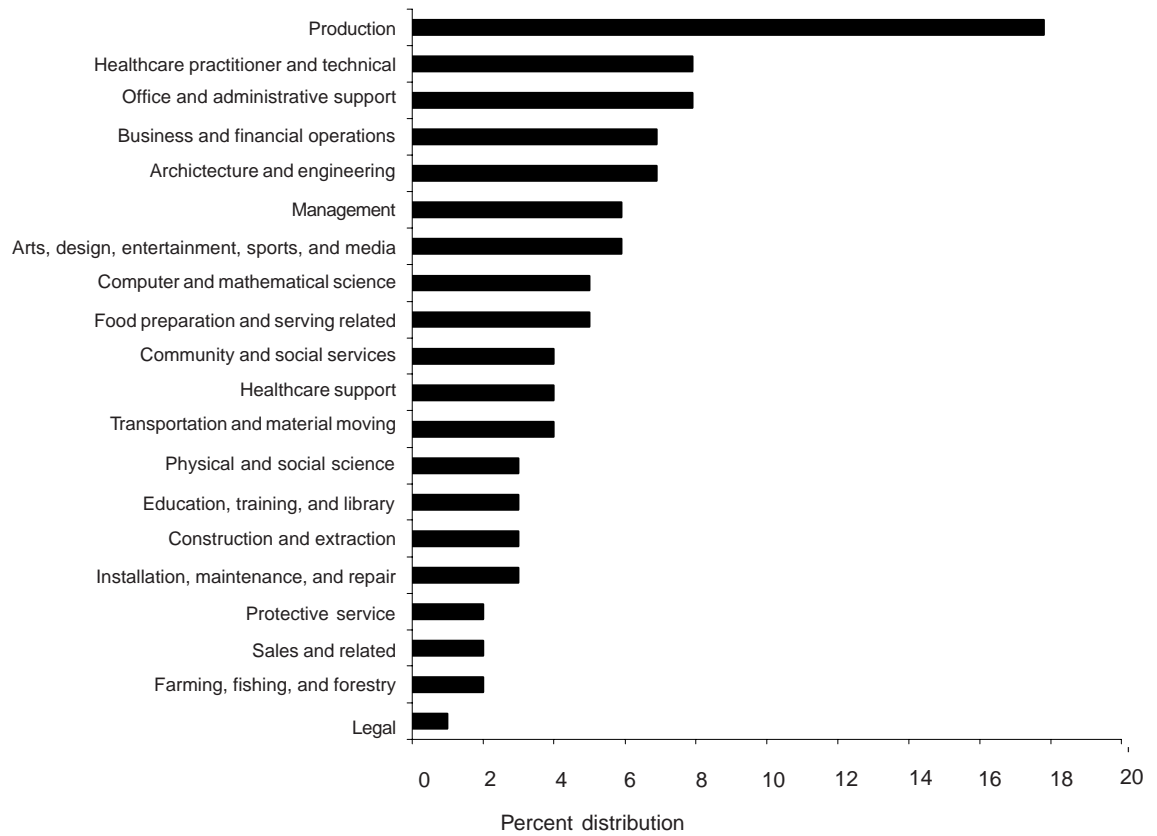


Chart 6. Relative distribution of new and emerging occupations by major SOC title



An Investigation of Industry and Size Effects on Wage Dispersion

John Ichiro Jones

The existence of wage dispersion in an industry is a perplexing problem. For example, why would accountants working in the same industry earn vastly different incomes? Why are wages divergent or convergent for the same occupation dependent on the industry? There are several possible reasons.

One, there are size differences between firms. In general, the larger the firm, the more likely it will pay higher wages. This is due, in theory, to the phenomenon of “rent sharing.” Firms share rents (profits) with workers to prevent shirking, labor turnover, and disruptions to the firms’ own rent seeking. Smaller firms have more variation in the amount of rent available to share with workers. This will lead to higher wage dispersion in industries dominated by small firms.

Two, firms in the same industry may have dissimilar employment wage practices. The less structured the industry’s wage practices, the greater the wage dispersion. By contrast, industries that are highly unionized may have tighter or more structured wage practices. In theory, this would lead to lower wage dispersion.

Three, there are skill level and seniority differences between individuals in the labor market. Finally, there may be differences within an industry as to skill requirements, job duties, or working environments that result in intraindustry wage differences. The labor market may work to sort individuals into industries such that workers within an occupation in some industries have a narrow range of skills and responsibilities, while workers in the same occupation in other industries may have a wider range of responsibilities and skills.

We use the OES occupational wage data to see which industries have high and low wage dispersion. We then see whether they have common characteristics—whether they are dominated by small or large firms, for example, or whether there are differences in industry wage practices, an example being union affiliation employment rates.

Measuring industry occupation wage dispersion

For each three-digit NAICS industry, dispersion ratios were

calculated for six occupations that are found in every industry. The six occupations are: Accountants and auditors; first-line supervisors/managers of office and administrative support workers; bookkeeping, accounting, and auditing clerks; executive secretaries and administrative assistants; secretaries, except legal, medical, and executive; and general office clerks. Using these six occupations in this study limits, in part, the effects of industry wage differences due to varying job content within the occupation because workers in these six occupations have similar duties and working environments.

To generate a dispersion ratio, the 10th-percentile wage rate was subtracted from the 90th-percentile wage rate, and the difference was divided by the median wage rate. If the ratio is below 1, the difference between the 90th- and 10th-percentile wages is less than the median wage. If the ratio equals 1, the difference between the 90th and 10th percentiles equals the median. Finally, if the ratio is greater than 1, the difference between the 90th and 10th percentiles is greater than the median.

Following the generation of the dispersion ratio, the six occupations were sorted and ranked by their respective dispersion ratios. This provides a relative measure of industry wage dispersion; each industry was given a dispersion score equal to the sum of the dispersion ranks for each of the six occupations in the industry. Text table 1 shows the relative ranks of wage dispersion for all three-digit NAICS. It is sorted in an ascending manner from lowest wage dispersion to highest wage dispersion. The fourth column, sum of ranks, is the sum of the relative wage dispersion ranks for the six occupations. The table illustrates that wages for the six occupations in this study were, on average, closely clustered in hospitals, air transportation, monetary authorities, social assistance, and rail transportation. Wages were more highly dispersed in securities, commodities, contracts and investments; apparel manufacturing; membership associations; gasoline stations; and lessors of nonfinancial intangible assets.

Union participation

In order to test the theory that wage dispersion would be lower in industries with high union affiliation rates, the re-

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sults from text table 1 were related to the Current Population Survey (CPS) union affiliation rates for two- or three-digit NAICS industries. Because CPS estimates are published by three-digit NAICS category for a limited number of industries, only 6 of the 88 industries in text table 1 could be directly related to union affiliation rates. As a result, 82 of the three-digit NAICS industries are related to two-digit NAICS union affiliation rates. For the purposes of this inquiry, the industries in text table 1 were divided into four groups, based on their respective dispersion ranks. The average union affiliation rate for each of the four groups was calculated using the CPS data. The results are shown in text table 2.

The summary data in text table 2 illustrates that industries with lower wage dispersions have higher union affiliation rates, supporting the hypothesis that, as unionization rates decrease, wage dispersion increases. There may be exceptions to this general observation that are not apparent in the table because average union affiliation rates were used in the absence of data at the more detailed three-digit NAICS level. Despite this caveat, the data suggest that there is a unionization effect on wage dispersion. For instance, the average union affiliation rate of the 22 industries with the lowest dispersion ranks is 16.4 percent. The union affiliation rates for three-digit NAICS groupings decline until they reach a low of 6.8 percent for the 22 industries with the highest wage dispersion.

Effects of employer size

To test the firm-size theory, which is that three-digit NAICS industries that are populated by a preponderance of small firms will have high wage dispersion, employment in each three-digit NAICS category was divided into three size classes. The small size class refers to the sum of employment by three-digit NAICS for firms with fewer than 50 employees. Medium size class is defined as the sum of employment by three-digit NAICS for firms with 50 to 249 employees. The large size class is defined as the sum of employment by three-digit NAICS for firms with 250 or more employees. For this study, a three-digit NAICS industry is defined as being dominated by small, medium, or large firms whenever 50 percent or more of total employment is found in one of the size classes. The results are shown in text table 3.

Text table 3 illustrates the relationship between firm size, the dominance of firm size in a three-digit NAICS industry, and wage dispersion. The hypothesis is that, as small firms dominate a three-digit NAICS category, the wage dispersion will increase due to greater variability in rent sharing in small firms than in large firms. The data demonstrate that this is the case. As wage dispersion increases, dominance by small firms increases. Industries with the smallest wage

dispersion (groups 1-22) are the likeliest to be dominated by large firms, with 11 three-digit NAICS industries being so dominated while only 3 three-digit NAICS industries in the same group are dominated by small firms. At the opposite end of the wage dispersion spectrum, there are 12 three-digit NAICS categories dominated by small firms in the industries with the highest wage dispersion (groups 67-88), whereas there are no three-digit NAICS industries dominated by large firms in that group.

To further test whether there is a relationship between the industry's dispersion ratio and firm size, dispersion ranks were correlated to the industry's average firm size. Data from the Bureau of Labor Statistics 2003 Quarterly Census of Employment and Wages were used to calculate the average firm size by three-digit NAICS code. The result of this test was a correlation coefficient of -.40, which indicates that, as firm size increases, the wage dispersion rank decreases. The industries' average firm size and dispersion ranks are shown in text table 4.

Discussion and summary

The purpose of this article was to investigate the relationships between wage dispersion, industry wage practices, and firm size. The case for wage dispersion being related to industry wage practices was supported using CPS union affiliation data for industries. While a detailed industry analysis could not be conducted, available data shows that there seems to be an effect. The evidence for a dominant firm size effect was stronger. When wage dispersion was higher, small firms dominated more of the three-digit NAICS category. Conversely, if large firms dominated more of the three-digit category, wage dispersion was lower.

Of course, there are limitations to this study. The occupations used to generate the wage dispersion ratio are located in only two occupational groups: Business and financial operations and office and administrative support. While using these occupations for analysis may have its advantages, using a larger number of occupations may provide additional information on wage dispersion, but this will be left for a future study. As mentioned previously, almost all of the CPS unionization data related to the two-digit NAICS level. If the CPS ever yields industry data at the three-digit NAICS level for all 88 industries used in this study, a more precise result would be obtained. Finally, the existence of skill and seniority differences within occupations was not accounted for in this study.

In summary, OES data support the theory that wage dispersion will be greatest in industries that have an unstructured wage policy and in those that are dominated by small firms, due to the variability of rent sharing. ■

Text table 1. Wage dispersion ranks by industry

Industry ranks	NAICS	NAICS title	Sum of ranks	Industry ranks	NAICS	NAICS title	Sum of ranks
1	622000	Hospitals	34	49	316000	Leather and allied product manufacturing	297
2	481000	Air transportation	49	50	443000	Electronics and appliance stores	298
3	521000	Monetary authorities—central bank	58	51	424000	Merchant wholesalers, nondurable goods	298
4	624000	Social assistance	70	52	236000	Construction of buildings	298
5	482000	Rail transportation	79	53	211000	Oil and gas extraction	303
6	322000	Paper manufacturing	82	54	454000	Nonstore retailers	305
7	331000	Primary metal manufacturing	102	55	562000	Waste management and remediation services	313
8	326000	Plastics and rubber products manufacturing	105	56	532000	Rental and leasing services	318
9	623000	Nursing and residential care facilities	112	57	531000	Real estate	320
10	486000	Pipeline transportation	117	58	519000	Other information services	320
11	517000	Telecommunications	130	59	425000	Wholesale electronic markets and agents and brokers	320
12	325000	Chemical manufacturing	147	60	451000	Sporting goods, hobby, book, and music stores	321
13	492000	Couriers and messengers	149	61	444000	Building material and garden equipment and supplies dealers	322
14	621000	Ambulatory healthcare services	159	62	237000	Heavy and civil engineering construction	328
15	311000	Food manufacturing	160	63	512000	Motion picture and sound recording industries	338
16	327000	Nonmetallic mineral product manufacturing	160	64	488000	Support activities for transportation	344
17	721000	Accommodation	163	65	442000	Furniture and home furnishings stores	350
18	483000	Water transportation	170	66	487000	Scenic and sightseeing transportation	355
19	333000	Machinery manufacturing	175	67	453000	Miscellaneous store retailers	355
20	493000	Warehousing and storage	179	68	115000	Support activities for agriculture and forestry	356
21	335000	Electrical equipment, appliance, and component manufacturing	181	69	525000	Funds, trusts, and other financial vehicles	361
22	312000	Beverage and tobacco product manufacturing	184	70	811000	Repair and maintenance	369
23	334000	Computer and electronic product manufacturing	195	71	213000	Support activities for mining	373
24	611000	Educational services	200	72	446000	Health and personal care stores	377
25	999000	Federal, State, and local government (OES designation)	202	73	511000	Publishing industries (except Internet)	379
26	336000	Transportation equipment manufacturing	206	74	518000	Internet service providers, Web search portals, and data processing service	383
27	522000	Credit intermediation and related activities	207	75	515000	Broadcasting (except Internet)	383
28	221000	Utilities	214	76	722000	Food services and drinking places	385
29	337000	Furniture and related product manufacturing	219	77	441000	Motor vehicle and parts dealers	386
30	445000	Food and beverage stores	221	78	711000	Performing arts, spectator sports, and related industries	387
31	516000	Internet publishing and broadcasting	223	79	812000	Personal and laundry services	395
32	314000	Textile product mills	234	80	113000	Forestry and logging	399
33	321000	Wood product manufacturing	234	81	238000	Specialty trade contractors	400
34	332000	Fabricated metal product manufacturing	236	82	541000	Professional, scientific, and technical services	411
35	339000	Miscellaneous manufacturing	239	83	448000	Clothing and clothing accessories stores	415
36	561000	Administrative and support services	241	84	533000	Lessors of nonfinancial intangible assets (except copyrighted works)	419
37	551000	Management of companies and enterprises	250	85	447000	Gasoline stations	424
38	452000	General merchandise stores	251	86	813000	Religious, grantmaking, civic, professional, and similar organizations	432
39	712000	Museums, historical sites, and similar institutions	252	87	315000	Apparel manufacturing	450
40	323000	Printing and related support activities	253	88	523000	Securities, commodity contracts, and other financial investments and related activities	462
41	484000	Truck transportation	260				
42	524000	Insurance carriers and related activities	263				
43	313000	Textile mills	266				
44	4485000	Transit and ground passenger transportation	266				
45	324000	Petroleum and coal products manufacturing	275				
46	423000	Merchant wholesalers, durable goods	282				
47	212000	Mining (except oil and gas)	296				
48	713000	Amusement, gambling, and recreation industries	297				

Text table 2. Effects of union representation on wage dispersion

Industry rank by dispersion ratio	CPS average percent of employed represented by unions, 2003, by dispersion groups ¹
1-22	16.4
23-44	14.8
45-66	10.8
67-88	6.8

¹ Data refer to members of a labor union or an employee association similar to a union, as well as to workers who report no union affiliation but whose jobs are covered by a union or an employee association contract.

Text table 3. Effects of firm size on wage dispersion

Industry rank	Count of three-digit NAICS industries dominated by 1 of 3 size classes			
	Small	Medium	Large	Not dominated
1-22	3	1	11	7
23-44	0	1	6	15
45-66	9	0	1	12
67-88	12	0	0	10

Text table 4. Effect of firm size on wage dispersion

Industry ranks	NAICS	Average firm size	Industry ranks	NAICS	Average firm size	Industry ranks	NAICS	Average firm size
1	622000	707	31	516000	9	61	444000	20
2	481000	105	32	314000	23	62	237000	19
3	521000	129	33	321000	31	63	512000	15
4	624000	22	34	332000	24	64	488000	17
5	482000	12	35	339000	21	65	442000	11
6	322000	88	36	561000	21	66	487000	11
7	331000	78	37	551000	48	67	453000	8
8	326000	56	38	452000	199	68	115000	20
9	623000	76	39	712000	38	69	525000	15
10	486000	49	40	323000	17	70	811000	6
11	517000	58	41	484000	13	71	213000	21
12	325000	66	42	524000	14	72	446000	20
13	492000	51	43	313000	56	73	511000	28
14	621000	11	44	485000	36	74	518000	19
15	311000	58	45	324000	67	75	515000	39
16	327000	35	46	423000	12	76	722000	22
17	721000	34	47	212000	33	77	441000	19
18	483000	40	48	713000	25	78	711000	10
19	333000	35	49	316000	31	79	812000	8
20	493000	48	50	443000	12	80	113000	7
21	335000	64	51	424000	16	81	238000	9
22	312000	54	52	236000	7	82	541000	8
23	334000	69	53	211000	19	83	448000	17
24	611000	125	54	454000	15	84	533000	9
25	999000	95	55	562000	18	85	447000	14
26	336000	125	56	532000	16	86	813000	11
27	522000	35	57	531000	6	87	315000	24
28	221000	52	58	519000	25	88	523000	13
29	337000	24	59	425000	4			
30	445000	26	60	451000	13			

Correlation coefficient = -.40

Employment by Occupational Group and Establishment Size

Fatemeh Hajjha

Labor markets function efficiently to match workers with certain skills and abilities with employers who require those skills. Some products and services may be provided most efficiently by small and specialized establishments, while others may be provided most efficiently by very large establishments. Looking at how workers with different skills are allocated among firms of different sizes may provide insight on how these workers are used most efficiently. It also may provide jobseekers or workers with certain skills with information on the size characteristics of establishments most likely to employ them.

This analysis uses unpublished data collected by the Occupational Employment Statistics (OES) program to review the distribution of workers in 22 major occupational groups by establishment size. The sample is not designed to produce independent size class estimates. The size class estimates are, therefore, subject to more error than are other estimates, such as those by industry.

For this analysis 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. State and local government establishments, however, may be in several physical locations.

Five size classes of establishments are distinguished as shown below:

<i>Size class</i>	<i>Employment</i>
1	1 to 9
2	10 to 49
3	50 to 249
4	250 to 999
5	1,000 or more

Chart 1 depicts the distribution of all establishments across the five size classes. It shows that the distribution is highly skewed toward small establishments; more than 70 percent

have fewer than 10 employees. On the other hand, establishments with 1,000 or more employees account for only about 0.1 percent of all establishments in the United States.

Chart 1 also depicts the distribution of total employment among the five size classes. Although the small establishments, with one to nine workers, account for more than 70 percent of establishments, they employ only 12 percent of the workforce. The large establishments, with more than 250 workers, account for about 1 percent of establishments, and they employ more than 36 percent of the workforce.

Text table 1 shows how employment in each of the 22 major occupational groups is distributed by establishment size class.

As one might expect, different occupational groups are not identically distributed among the establishment size classes. The life, physical, and social science occupations, for instance, are concentrated in larger establishments. As depicted in chart 2, about 41 percent of life, physical, and social science workers are in establishments that have 1,000 or more employees. At the other extreme, less than 7 percent of life, physical, and social science occupations are in establishments with fewer than 10 employees.

Distributions of seven other occupational groups have higher employment concentrations in larger establishments: Computer and mathematical occupations; architecture and engineering occupations; community and social services occupations; education, training, and library occupations; healthcare practitioners and technical occupations; business and financial operations occupations; and protective service occupations.¹

The employment in sales and related occupations, on the other hand, is concentrated in smaller establishments. As depicted in chart 3, 53 percent of the total employment in the sales and related group is in establishments with 49 or fewer employees. Another 29 percent of employment is in establishments that have 50 to 249 employees. By contrast, only 4 percent of the employment in sales and related occupa-

¹ Protective service occupations are concentrated in large establishments in the OES survey due to the unique treatment of government in the OES survey. Establishments such as police departments are combined with other local government establishments, thereby increasing the average size of local government establishments.

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tions is in establishments with 1,000 or more employees.

Food preparation and serving related occupations and the construction and extraction occupations have employment distributions by establishment size that are similar to that of sales and related occupations.

The legal occupations are unique because they have lower concentrations in midsize establishments, and higher concentrations in the smallest and largest establishments. The office and administrative support occupations is the most evenly distributed of occupational groups. (See chart 4.) In

general, the distributions of employment by establishment size of the remaining occupational groups resemble that of total employment.

THIS ARTICLE PRESENTS A SUMMARY of information regarding differences in occupational employment by establishment size. The OES data present a wealth of opportunities to consider specific questions regarding variations in size of establishment, occupational employment, and wages by area and industry. ■

Text table 1. Percent distribution of major occupational employment by establishment size, May 2003

Major occupational group	Size 1 1 to 9 workers	Size 2 10 to 49 workers	Size 3 50 to 249 workers	Size 4 250 to 999 workers	Size 5 1,000 or more workers
All employment	12.0	23.0	28.0	18.0	19.0
Management occupations	9.9	28.1	28.7	16.2	17.2
Business and financial operations occupations	12.3	17.3	21.9	18.4	30.1
Computer and mathematical occupations	7.1	13.2	25.9	24.1	29.6
Architecture and engineering occupations	7.7	16.6	23.2	20.1	32.4
Life, physical, and social science occupations	6.7	12.6	20.7	19.2	40.8
Community and social services occupations	6.9	18.6	25.9	16.2	32.5
Legal occupations	21.6	22.6	16.8	12.8	26.1
Education, training, and library occupations	1.9	11.2	27.8	20.8	38.5
Arts, design, entertainment, sports, and media occupations	17.9	21.5	27.7	17.3	15.7
Healthcare practitioners and technical occupations	8.9	15.2	19.7	18.6	37.6
Healthcare support occupations	11.8	17.3	34.5	16.8	19.6
Protective service occupations	1.4	8.7	22.9	24.9	42.1
Food preparation and serving related occupations	9.2	42.3	34.3	8.2	6.0
Building and grounds cleaning and maintenance occupations	12.5	24.3	29.4	17.7	16.1
Personal care and service occupations	14.0	26.3	25.7	16.1	17.8
Sales and related occupations	22.3	31.2	29.1	13.3	4.0
Office and administrative support occupations	15.2	21.5	25.9	17.8	19.7
Farming, fishing, and forestry occupations	11.9	21.2	29.3	22.8	14.8
Construction and extraction occupations	19.8	32.0	28.2	11.8	8.2
Installation, maintenance, and repair occupations	19.2	26.0	26.3	14.6	13.9
Production occupations	6.4	17.5	33.4	27.3	15.5
Transportation and material moving occupations	8.2	24.0	33.7	19.6	14.5

Chart 1. Percent distribution of total occupational employment and establishments by size class, May 2003

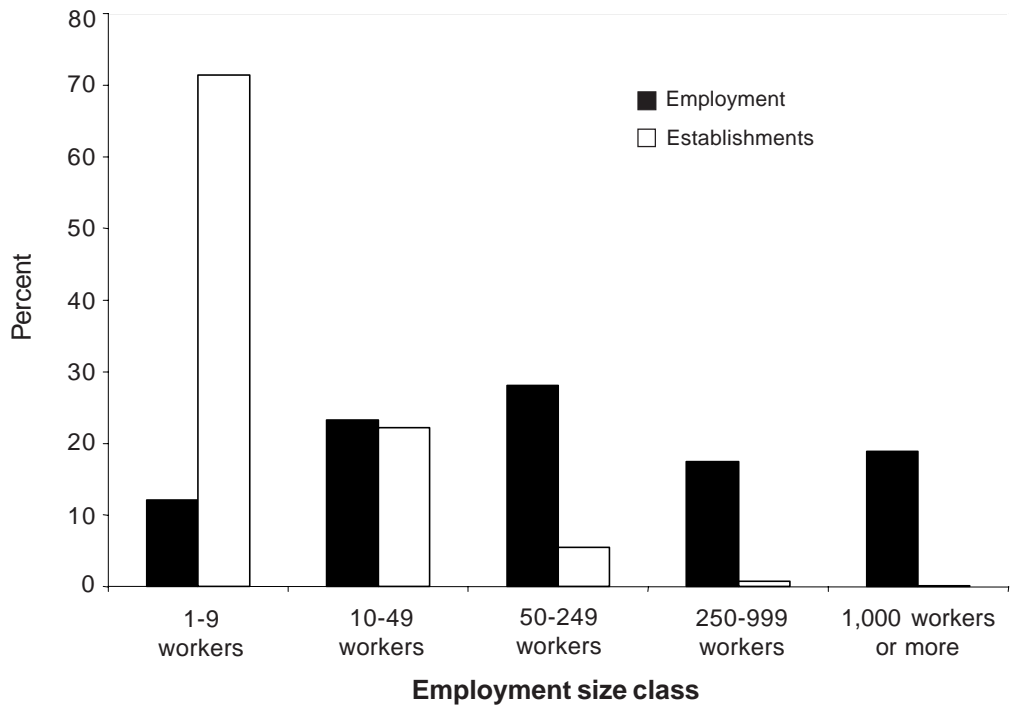


Chart 2. Percent distribution of total employment and of life, physical, and social science occupations by size class, May 2003

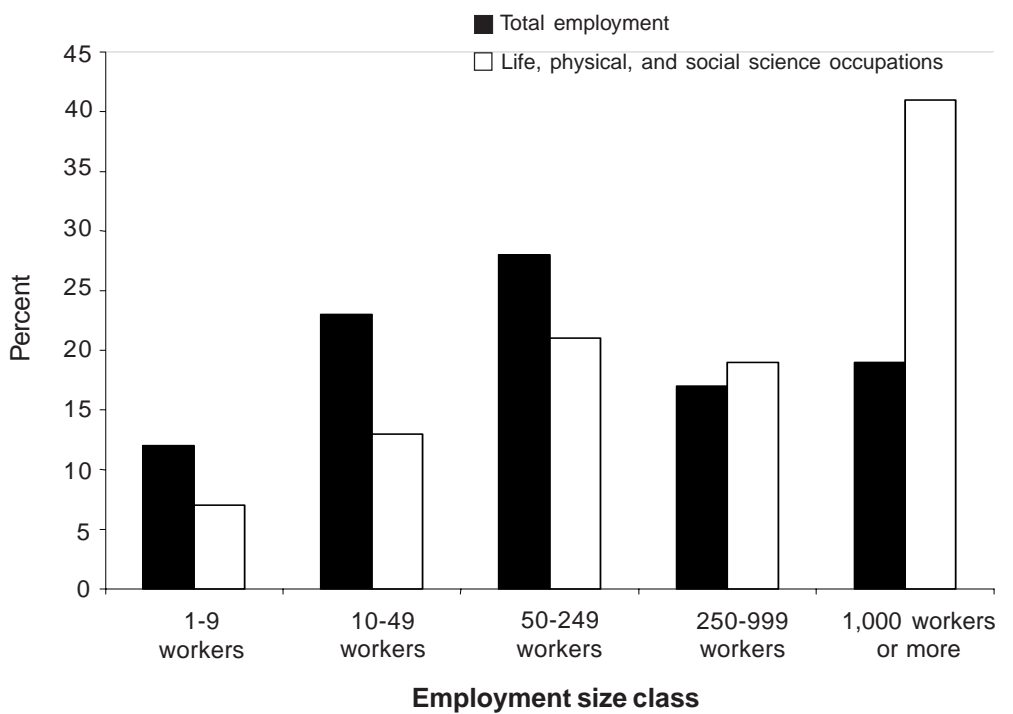


Chart 3. Percent distribution of total and of sales and related occupations by size class, May 2003

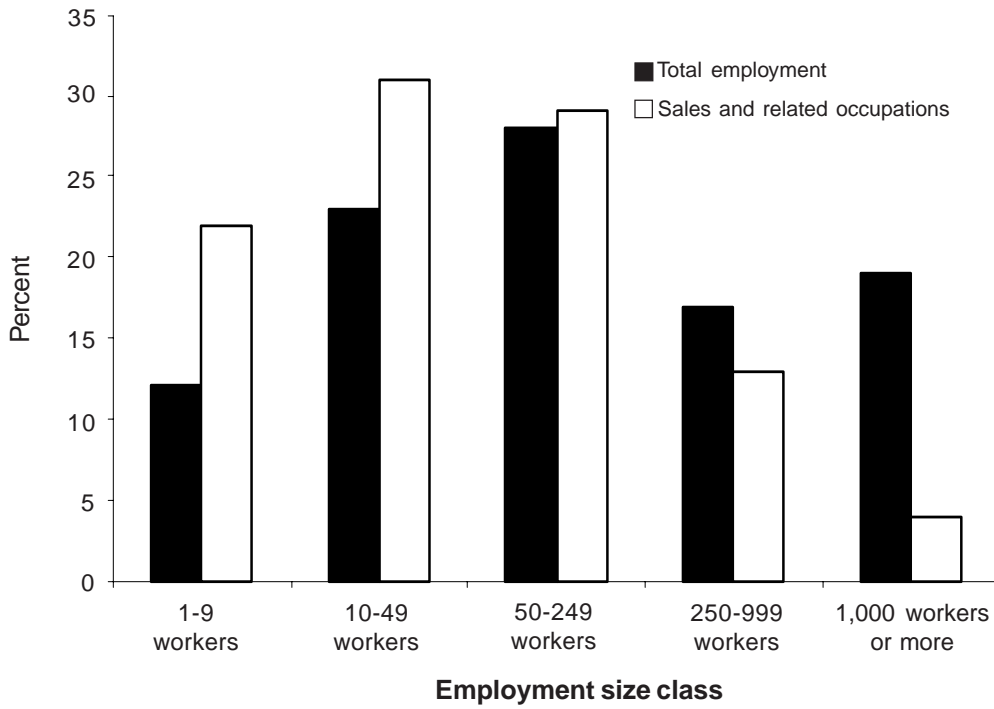
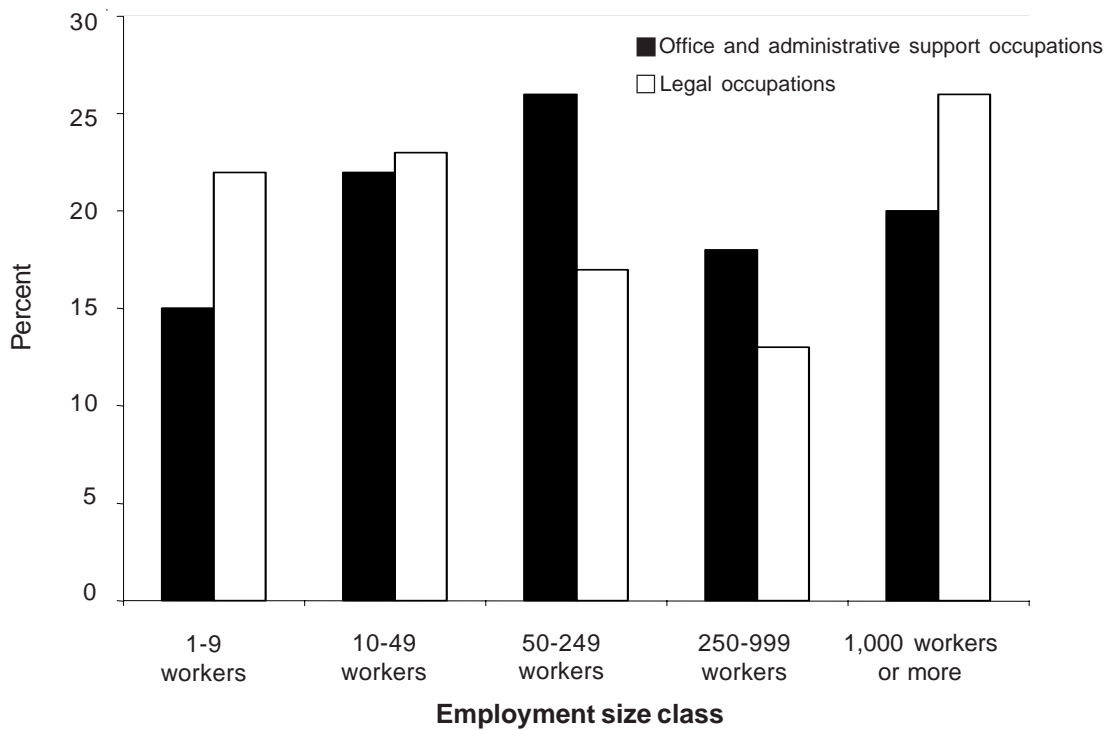


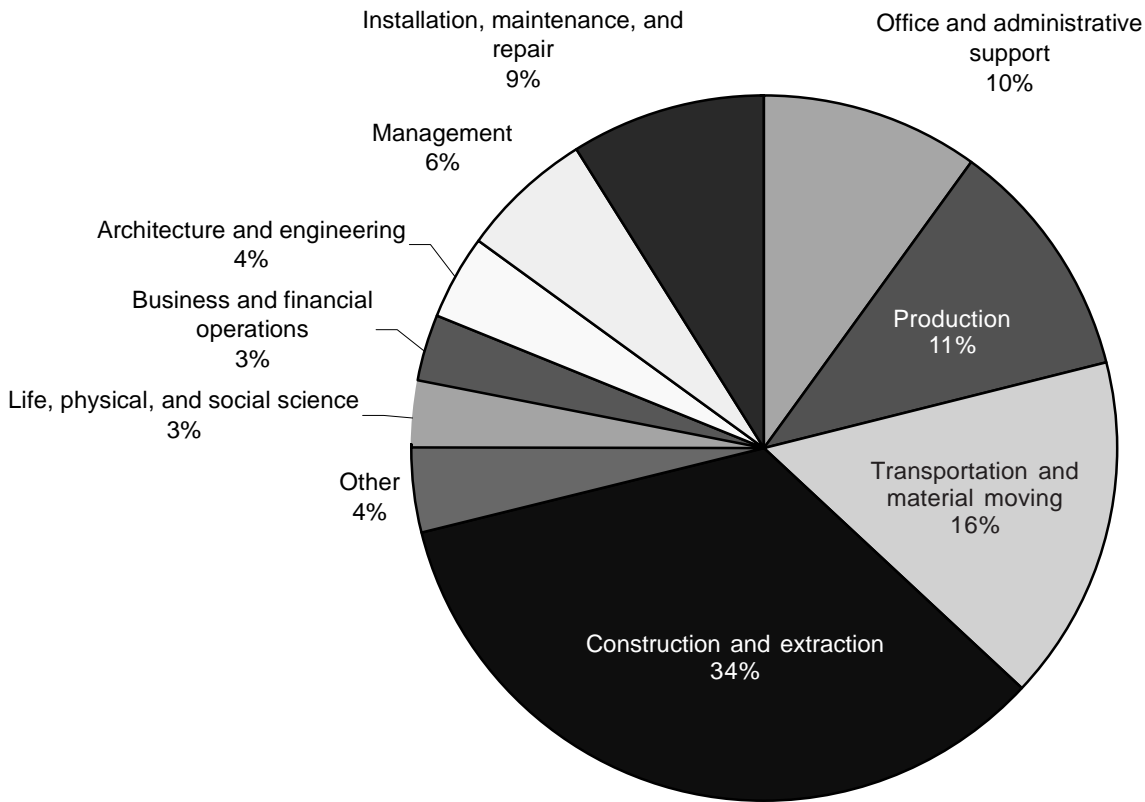
Chart 4. Percent distribution of employment of office and administrative and legal occupations by size class, May 2003



Occupational Composition by Industry Sector

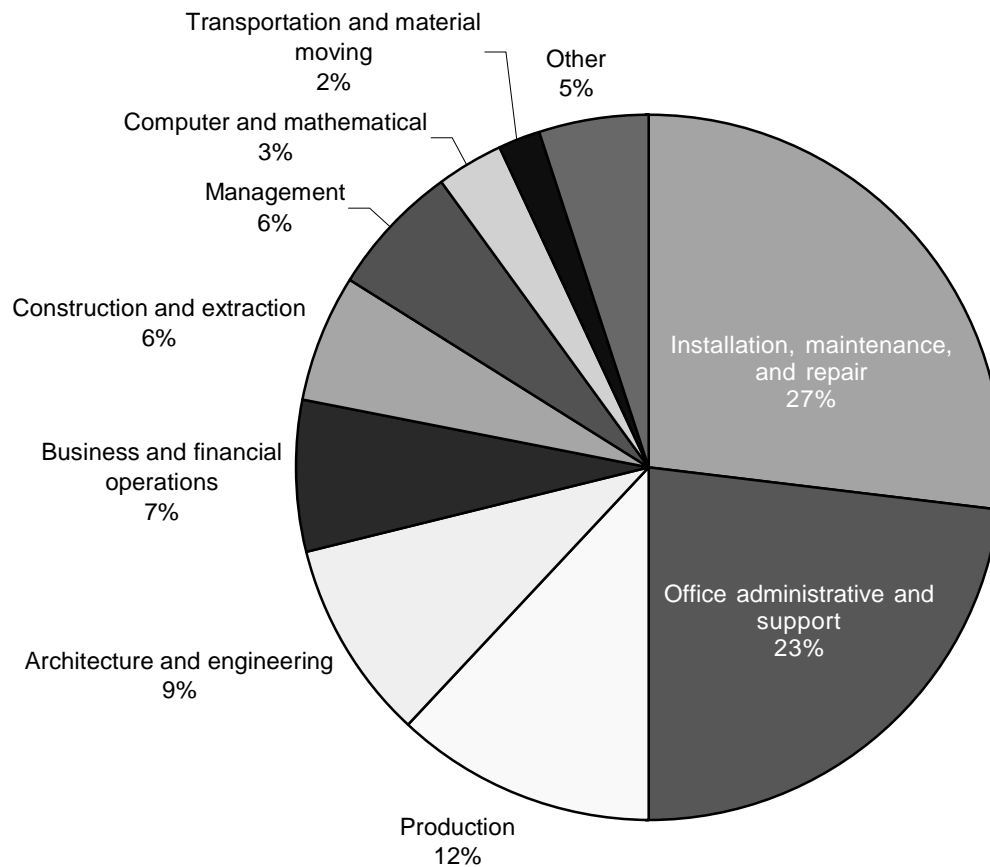
Occupations in the mining sector	31
Occupations in the utilities sector	32
Occupations in the construction sector	33
Occupations in the manufacturing sector	34
Occupations in the wholesale trade sector	35
Occupations in the retail trade sector	36
Occupations in the transportation and warehousing sector	37
Occupations in the information sector	38
Occupations in the finance and insurance sector	39
Occupations in the real estate and rental and leasing sector	40
Occupations in the professional, scientific, and technical services sector	41
Occupations in the management of companies and enterprises sector	42
Occupations in the administrative and support services and waste management and remediation services sector	43
Occupations in the education services sector	44
Occupations in the healthcare and social assistance sector	45
Occupations in the arts, entertainment, and recreation sector	46
Occupations in the accommodation and food service sector	47
Occupations in the other services (except public administration) sector	48
Occupations in the government sector	49

Occupations in the mining sector



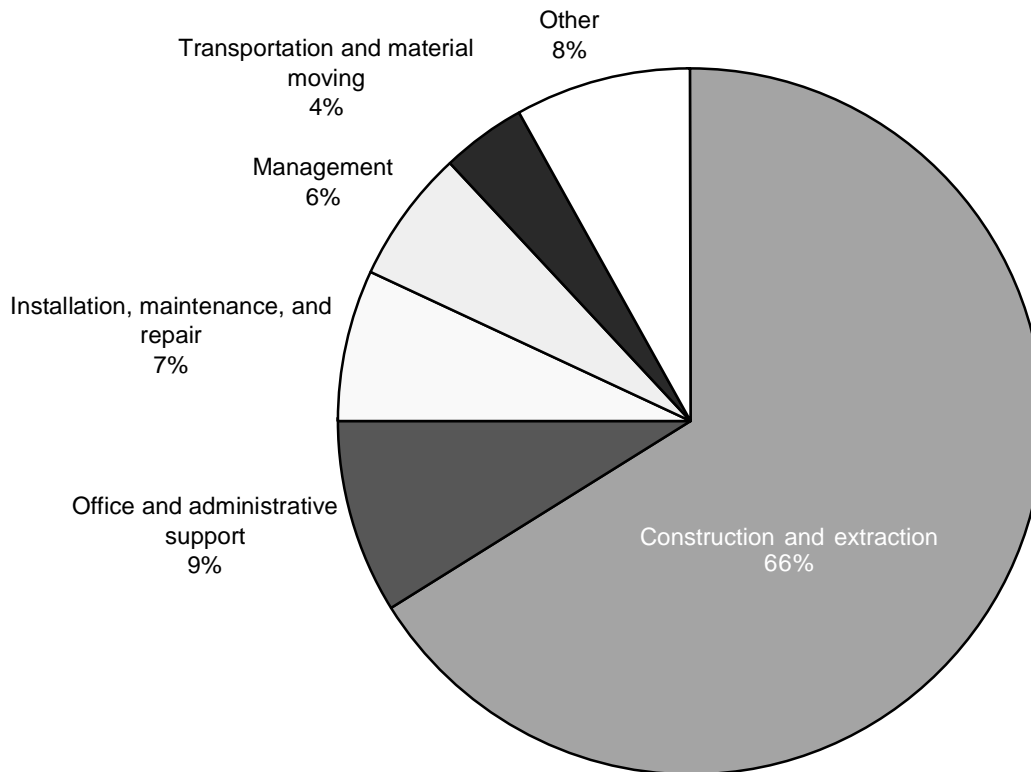
- The mining sector is composed of three more detailed industries: **Oil and gas extraction**; **mining, except oil and gas**; and **support activities for mining**.
- **Mining, except oil and gas**, is the largest detailed industry, employing **205,320 workers**.
- Within the mining sector, the occupation with the highest employment is **roustabouts, oil and gas**. There are **22,940** roustabouts in the United States, accounting for **4.6 percent** of mining sector employment.

Occupations in the utilities sector



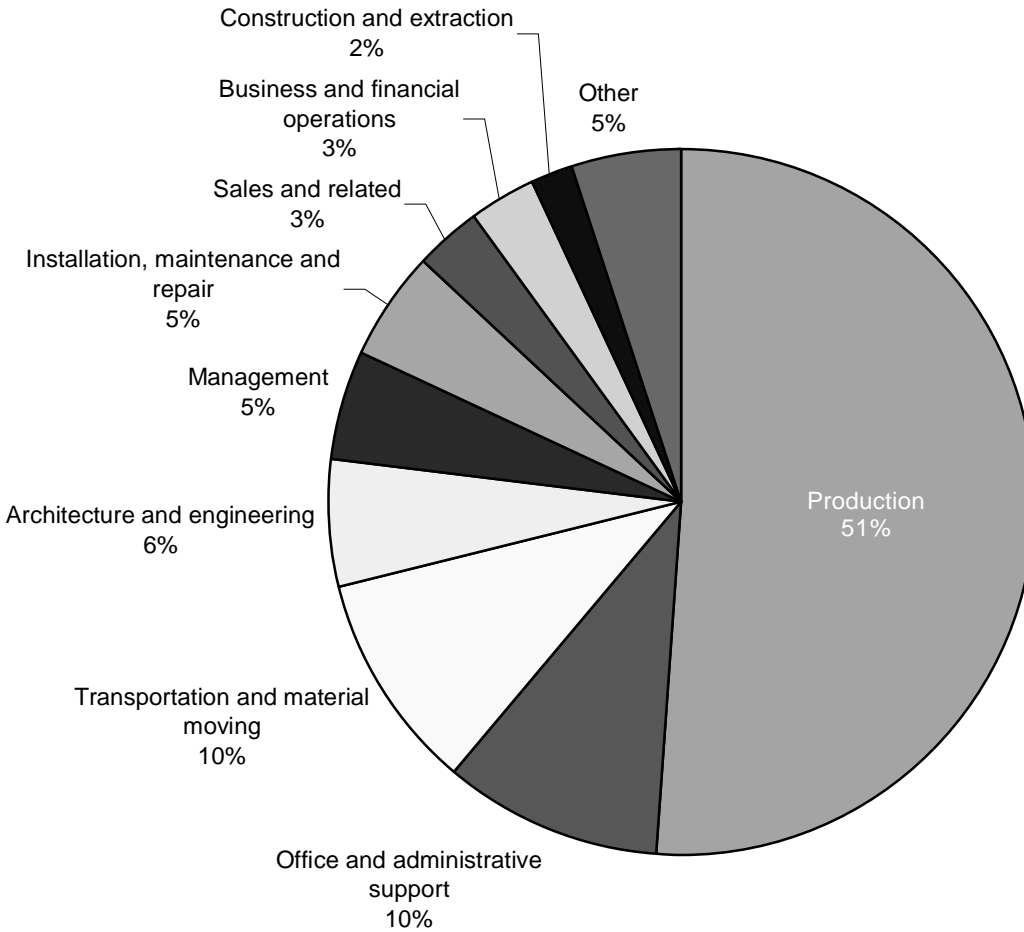
- Employing only **580,750 workers**, the **utilities sector** is one of only two industry sectors employing fewer than a million workers.
- **Electrical power-line installers and repairers** have the highest employment in the sector, employing **52,260 workers**, **9 percent** of the utilities sector.
- **Legal occupations** are the highest paid in this sector, earning **\$48.23 an hour**. At **\$10.06 an hour**, **food preparation and serving related occupations** have the lowest wages in the utilities sector.

Occupations in the construction sector



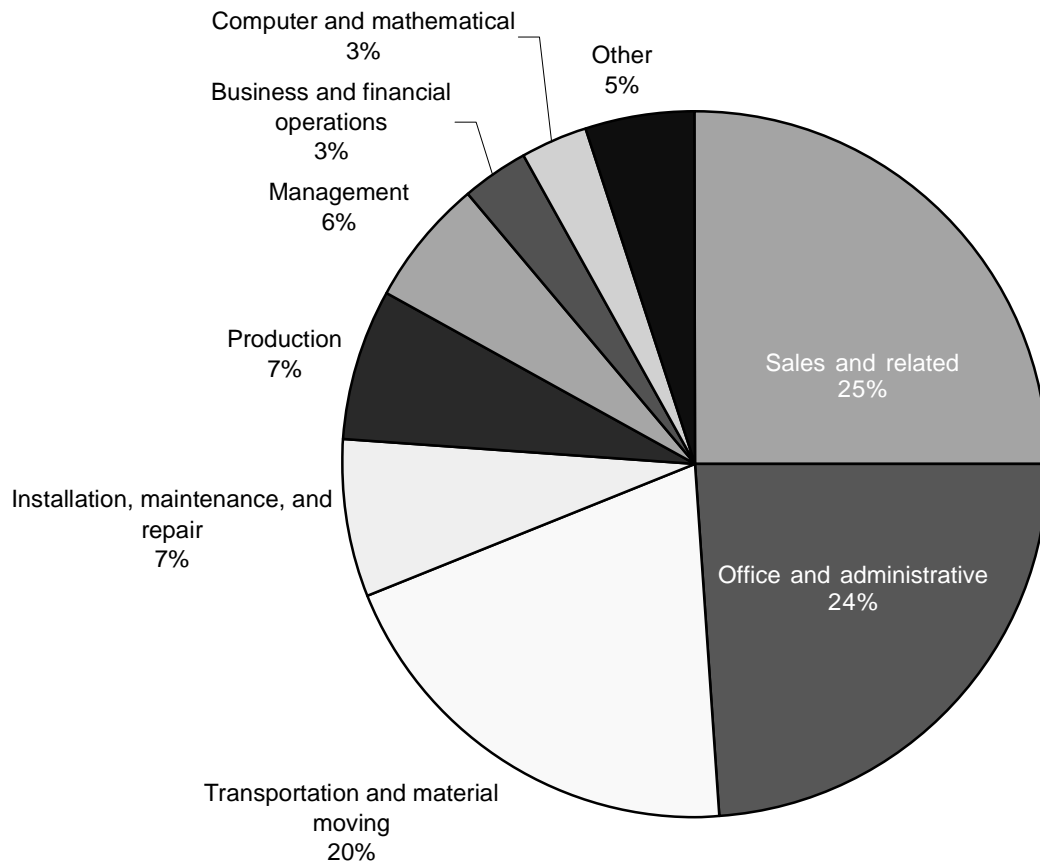
- Totalling **694,130 workers**, **carpenters** have the highest employment in the construction sector. This occupation accounts for **10 percent** of construction employment.
- There are 3 three-digit industries within the construction major group: **Construction of buildings, heavy and civil engineering construction**, and **specialty trade contractors**.
- **The specialty trade contractors** industry employs the most workers out of the three more detailed industries within this sector, employing **4,257,400 workers**, **63 percent** of total sector employment.

Occupations in the manufacturing sector



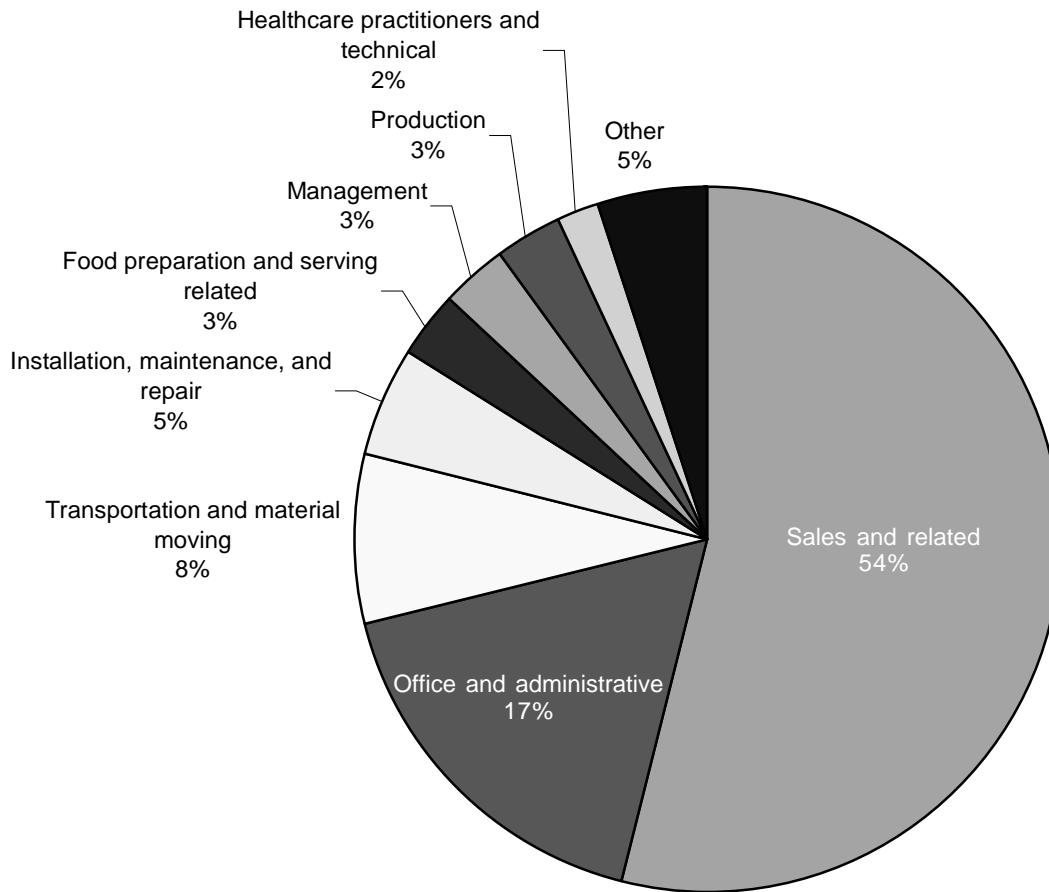
- The manufacturing sector is composed of **3** two-digit industries and **21** three-digit industries.
- The largest three-digit industry in the manufacturing sector is **transportation equipment manufacturing**. With **1,793,900 employees**, this industry accounts for about **22 percent** of the primary metal manufacturing industry, and about **12 percent** of total sector employment.
- **Team assemblers** have the highest employment in this sector. With **922,660 workers**, this occupation accounts for more than **6 percent** of sector employment.

Occupations in the wholesale trade sector



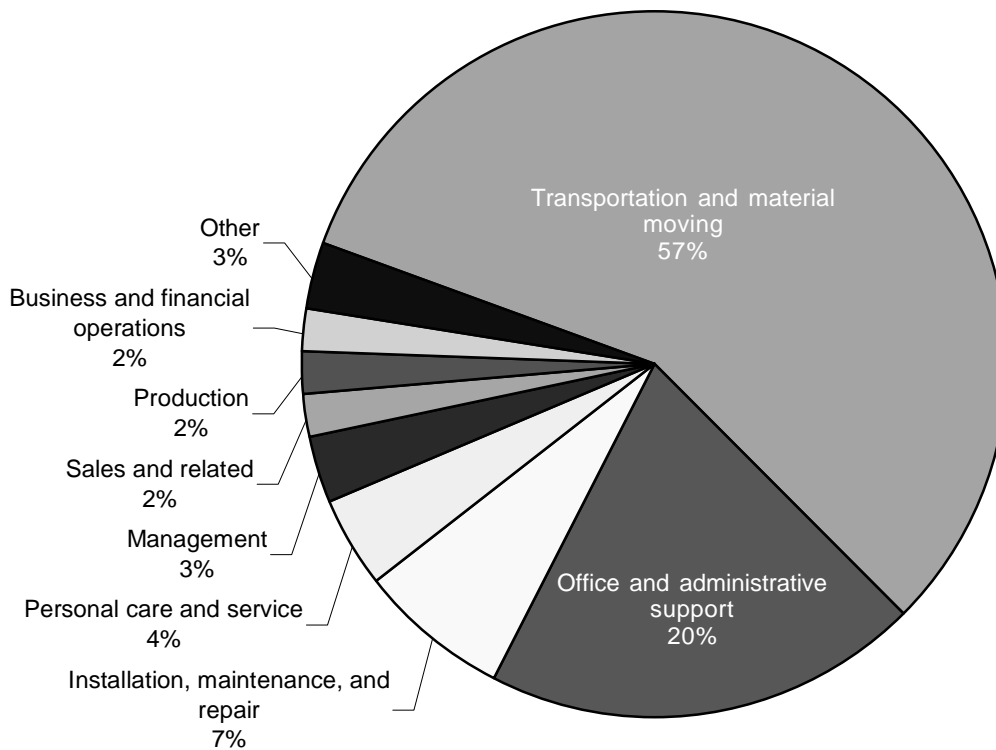
- The wholesale trade sector comprises 3 three-digit industries: **Merchant wholesalers, durable goods**; **merchant wholesalers, nondurable goods**; and **wholesale electronic markets and agents and brokers**.
- Employing **2,945,650 workers**, **merchant wholesalers, durable goods**, is the largest detailed industry, accounting for about **52 percent** of total sector employment.
- **Sales representatives, wholesale and manufacturing, except technical and scientific products**, has the highest employment in the wholesale trade sector. With **812,030 workers**, this occupation accounts for more than **14 percent** of the total sector employment.

Occupations in the retail trade sector



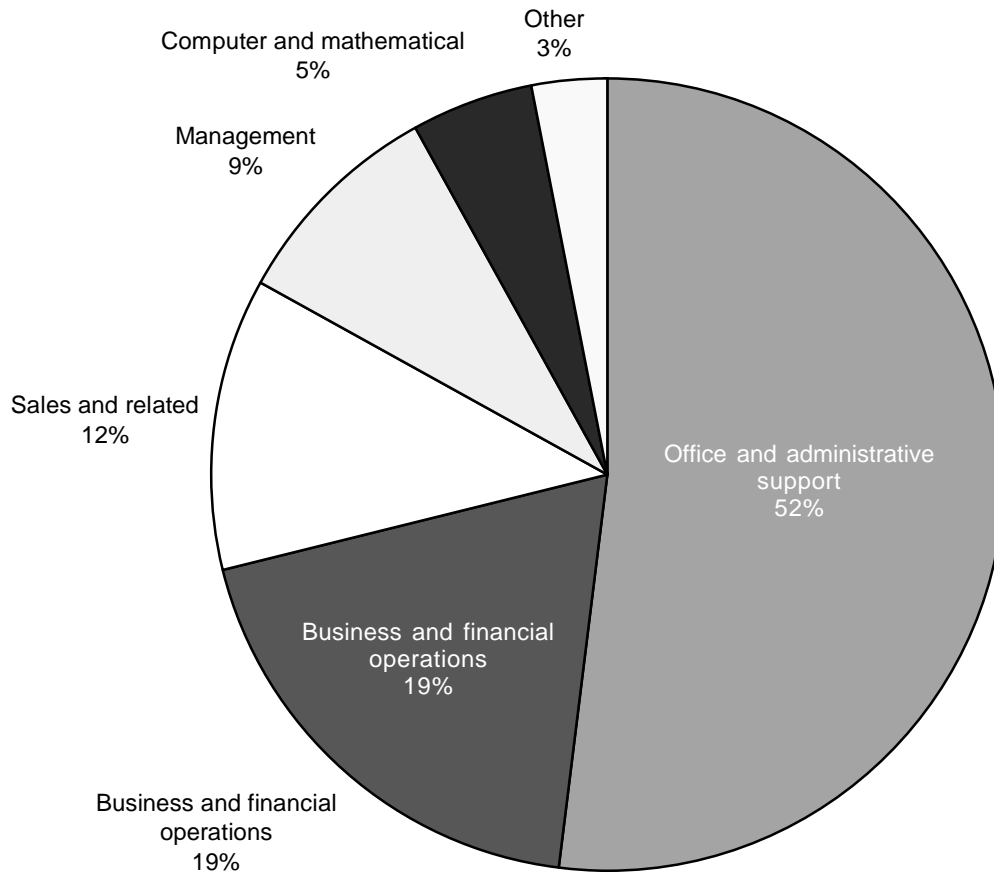
- Employing more than **15 million workers**, **retail trade** is the largest sector in the United States.
- There are 12 more detailed three-digit industries in the retail trade sector. **Food and beverage stores** and **general merchandise stores** (such as department stores, warehouse-clubs, and supercenters) are the two largest groups in the sector, each accounting for just under **19 percent** of total sector employment.
- Workers in **gasoline stations** earn the lowest wages. The average wage for workers in this industry is **\$9.16 an hour**. **Motor vehicle and parts dealers** are the highest paid workers, averaging **\$17.84 an hour**.
- **Retail salespersons** have the highest employment in the retail trade sector. With an employment of **3,669,360**, this occupation accounts for more than **24 percent** of total sector employment.

Occupations in the transportation and warehousing sector



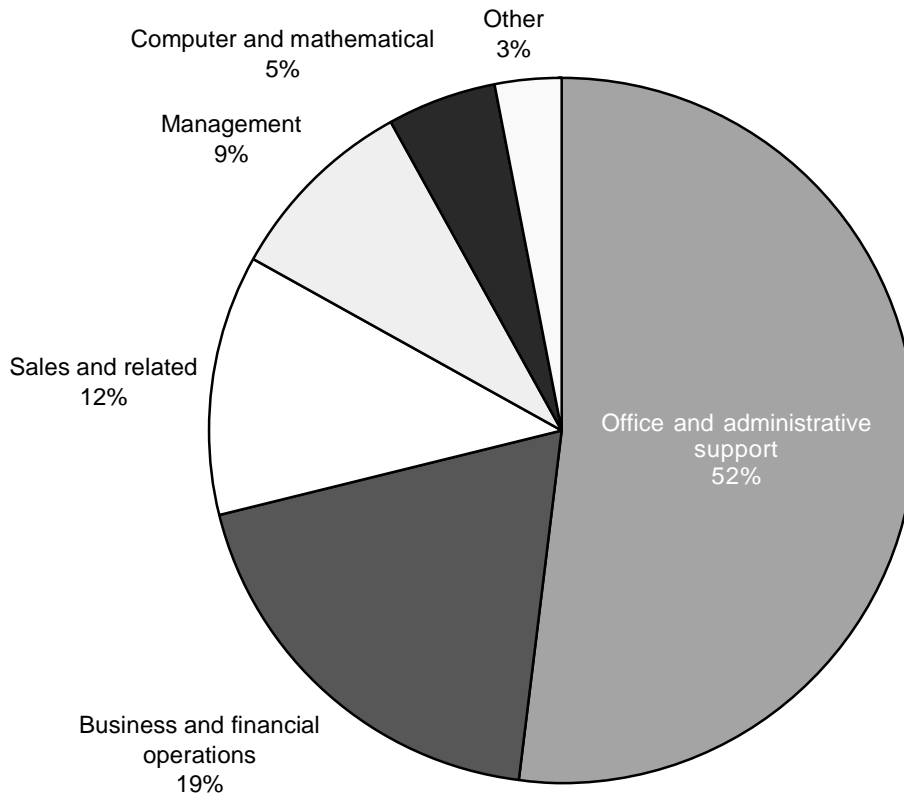
- **Truck drivers, heavy and tractor-trailer**, are the highest employed occupation in the transportation and warehousing sector. With **810,040** truck drivers, this occupation accounts for **19 percent** of total sector employment.
- This sector is composed of 10 three-digit industries. The largest of these smaller industries is **truck transportation** with **1,337,480**, accounting for almost **32 percent** of total sector employment.
- **Air transportation** workers and **pipeline transportation** workers are the highest paid in the sector, earning an average of **\$26.02 per hour** and **\$25.75 per hour** respectively.

Occupations in the information sector



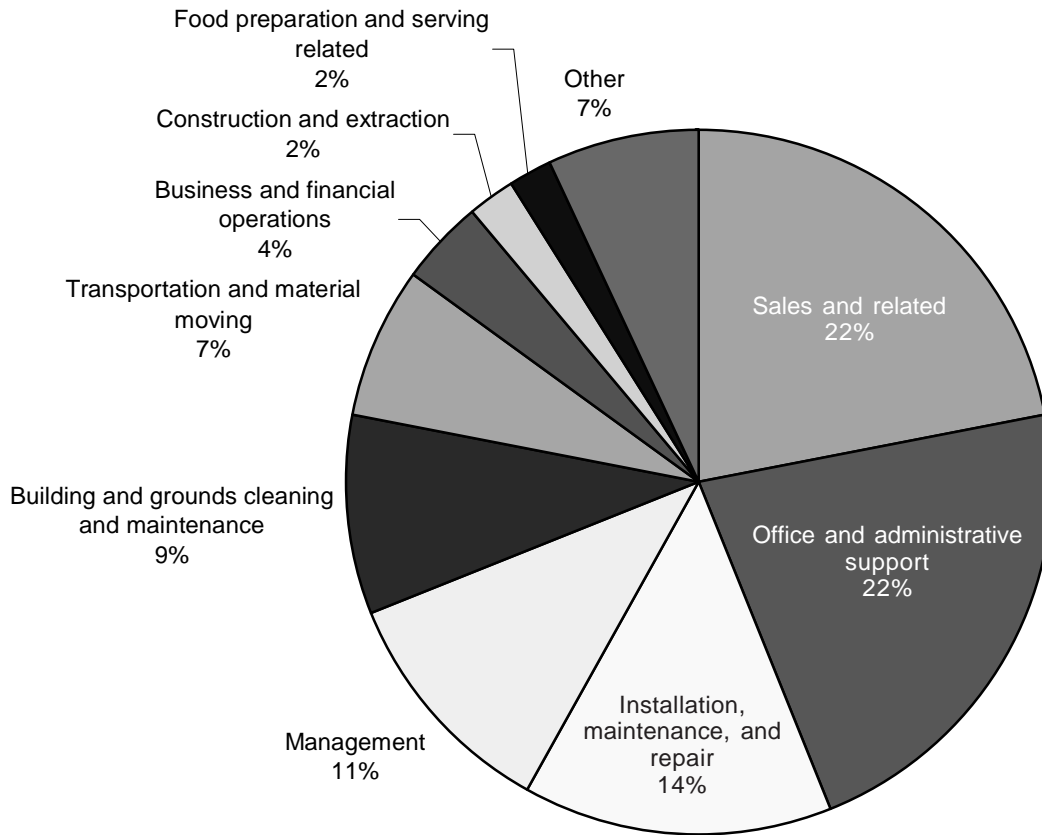
- In the information sector, **customer service representatives** have the highest employment. With **207,530 workers**, customer service representatives account for more than **6 percent** of total industry employment.
- The information sector comprises 7 three-digit industries. **Telecommunications** is the largest three-digit industry in this sector. Employing **1,100,350 workers**, telecommunications accounts for almost **34 percent** of total sector employment.
- The **Internet publishing and broadcasting** three-digit industry reports the highest mean wage of the sector, with the average employee earning **\$30.13** an hour.

Occupations in the finance and insurance sector



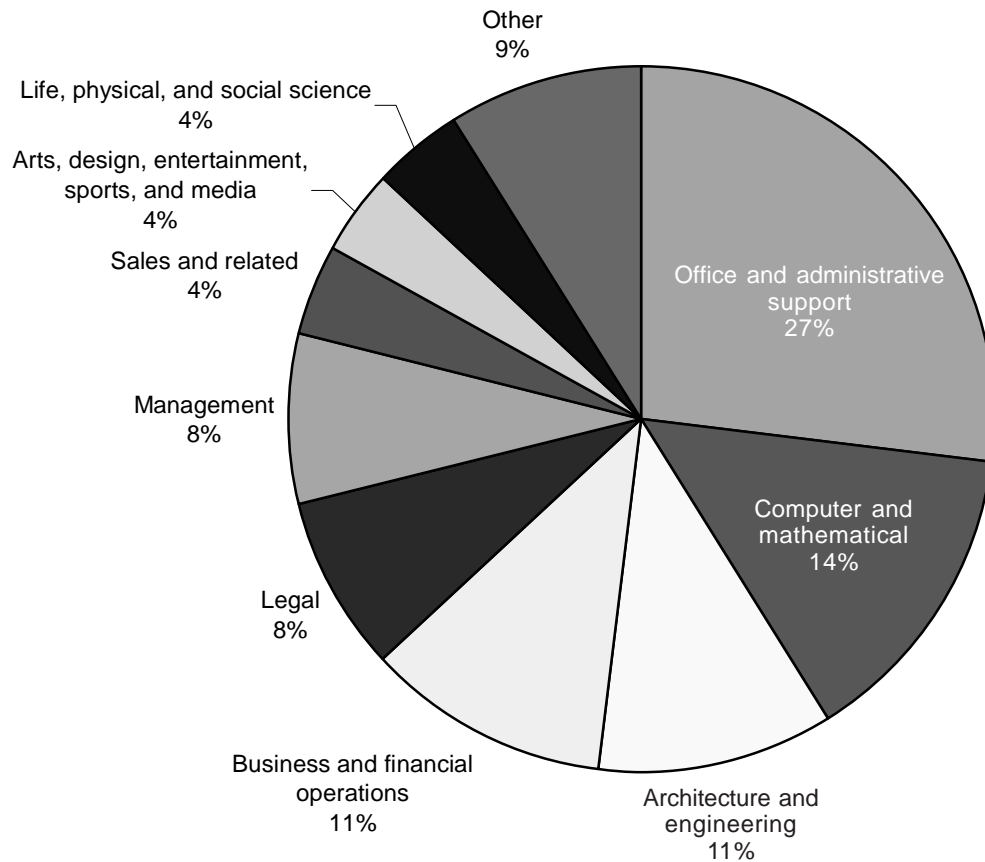
- **Credit intermediation and related activities** is the largest component of the finance and insurance sector. Employing **2,748,490 workers**, this more detailed industry accounts for about **48 percent** of total sector employment. With **21,870**, or **0.4 percent**, the **monetary authorities—central bank** occupation accounts for the smallest share of sector employment.
- Employees of the **securities, commodity contracts, and other financial investments and related activities** industry are the highest paid in the finance and insurance sector, with an average wage of **\$33.38**.
- **Tellers** have the highest employment in this sector, numbering **518,980**, around **9 percent** of total sector employment.

Occupations in the real estate and rental and leasing sector



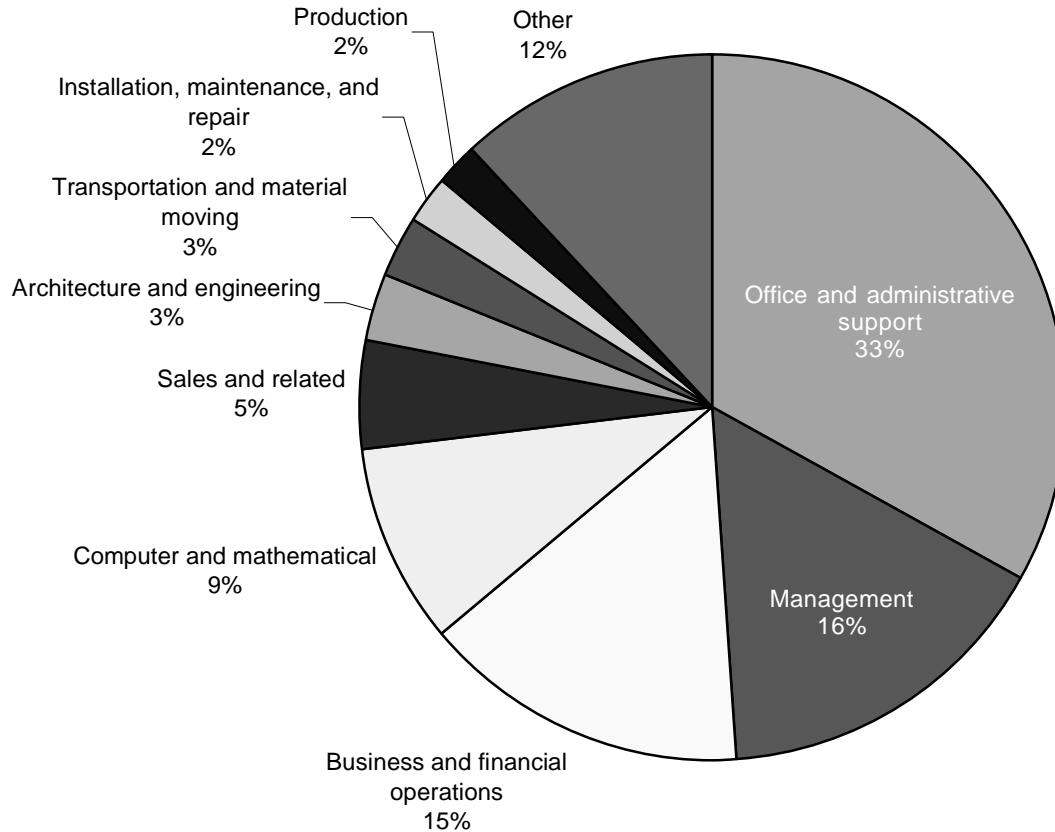
- This sector comprises 3 three-digit industries: **Real estate, rental and leasing services**, and **lessors of nonfinancial intangible assets (except copyrighted works)**. Of these industries, **real estate** is the largest, employing **1,370,150 workers** or about **67 percent** of total sector employment.
- **Lessors of nonfinancial intangible assets (except copyrighted works)** is the highest earning of the three more detailed industries. The average worker's salary in that industry is **\$25.75**.
- **Maintenance and repair workers, general**, employing **204,730 workers**, is the largest occupation in the real estate and rental and leasing sector.

Occupations in the professional, scientific, and technical services sector



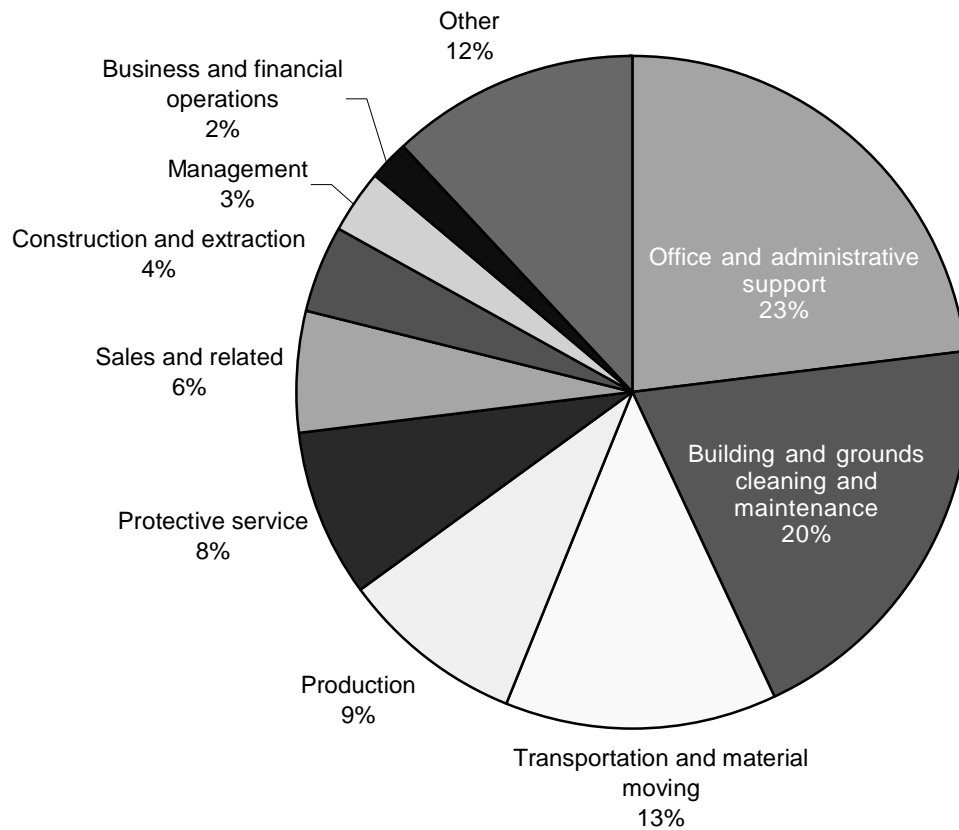
- There are **9** detailed four-digit industries within this industry sector. **Architectural, engineering, and related services** is the largest, employing **1,229,970 workers** or about **18.5 percent** of total sector employment.
- The average wage of workers in this sector is **\$27.08 an hour**. The mean wages in this sector range from **\$7.53** for **hand sewers** and **\$6.40** for **service station attendants** to **\$77.31** for **chief executives** and **\$62.78** for **family and general practitioners**.
- **Lawyers** are the most common occupation in this sector. With **353,440** lawyers, this occupation alone accounts for more than **5 percent** of the total sector employment.

Occupations in the management of companies and enterprises sector



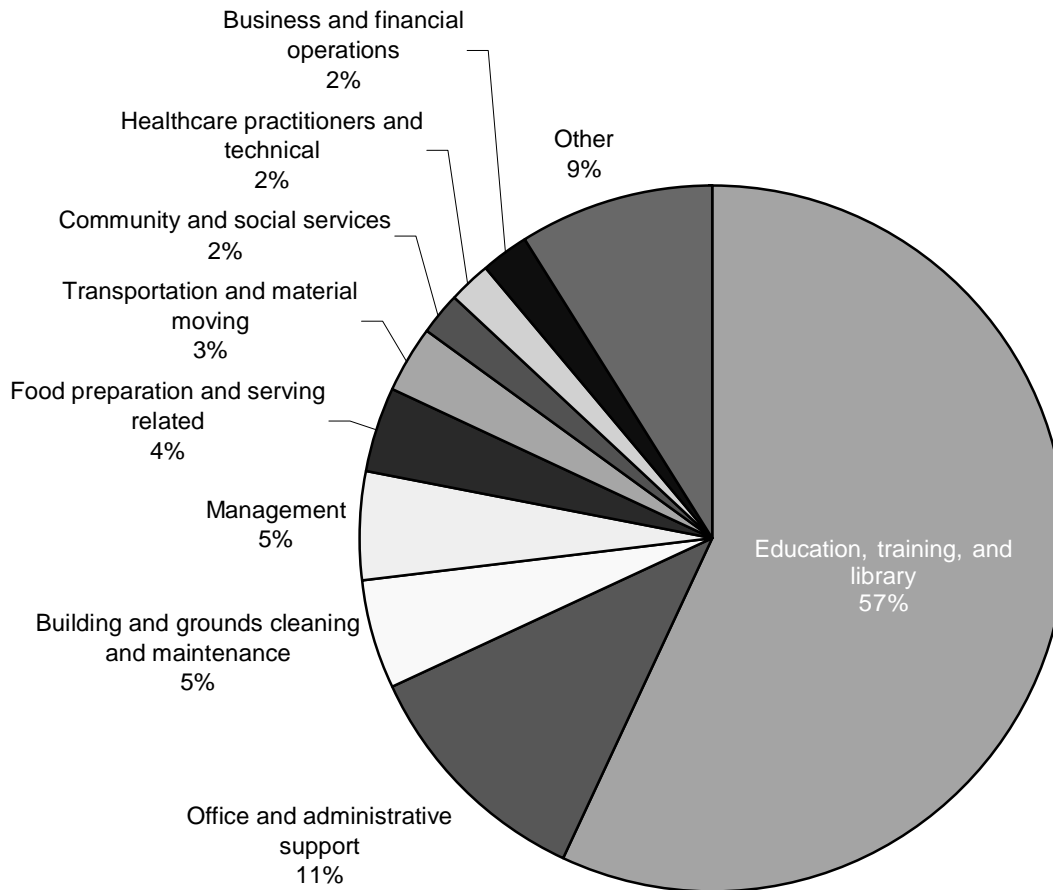
- **Customer service representatives** is the largest occupation in this sector. With **66,140 workers**, this occupation accounts for almost **4 percent** of sector employment. The mean wage of workers in this sector is **\$14.21 an hour**.
- This sector is made up of **offices of bank holding companies; offices of other holding companies; and corporate, subsidiary, and regional managing offices**.
- The mean wage for workers in the sector is **\$25.50 an hour**. **Surgeons** are the highest paid occupation, earning an average of **\$86.73 an hour**. **Cooks, fast food** are the lowest paid, earning an average of only **\$6.70 an hour**.

Occupations in the administrative and support services and waste management and remediation services sector



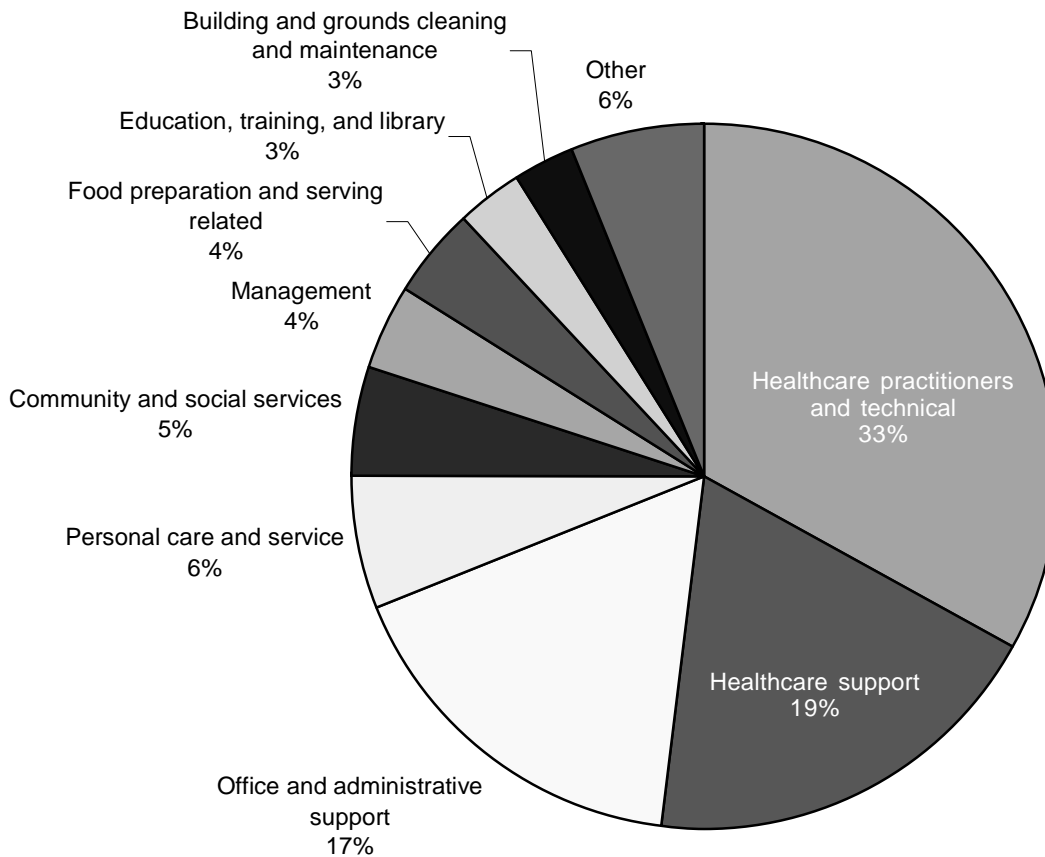
- This sector is made up of 2 three-digit industries and 11 four-digit industries. **Employment services** is the largest four-digit industry, employing **3,298,700 workers**, about **43 percent** of total sector employment.
- Workers in the **office administrative service** industry earn the highest wages in this sector. Workers in this four-digit industry average **\$23.09 an hour**.
- With an employment of **728,320**, **janitors and cleaners, except maids and housekeeping cleaners**, have the highest employment in this sector—about **9 percent** of total sector employment.

Occupations in the education services sector



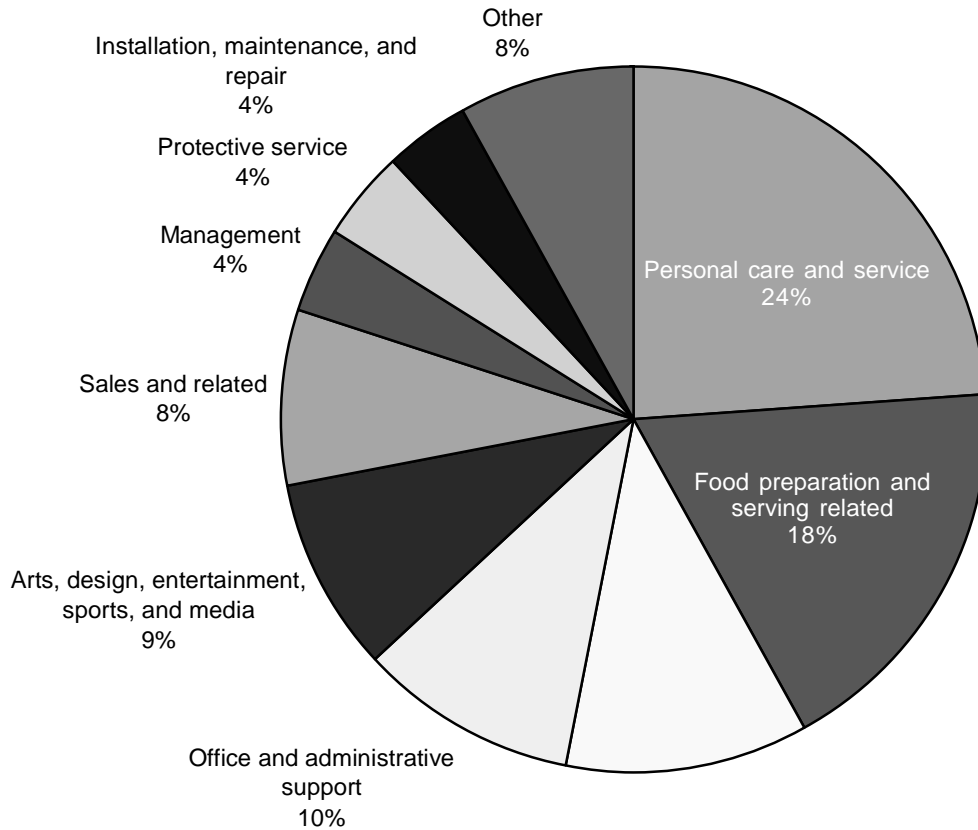
- **Elementary and secondary schools** is the largest four-digit industry, with **8,109,380 workers**. **Educational support services** is the smallest four-digit industry, employing **71,720 workers**.
- **Elementary school teachers, except special education** is the occupation with the highest employment in this sector. At **1,414,730** teachers, this occupational code accounts for **almost 12 percent** of sector employment.
- The highest paid occupation in this sector is **obstetricians and gynecologists**, averaging **\$62.83 an hour**. These workers are employed in colleges, universities, and professional schools, including medical schools.
- The lowest paid are **transportation attendants, except flight attendants and baggage porters**, averaging **\$7.72 an hour**. The highest paid education, training, and library occupation is **law teachers, postsecondary**, earning on average **\$91,420 a year**.

Occupations in the healthcare and social assistance sector



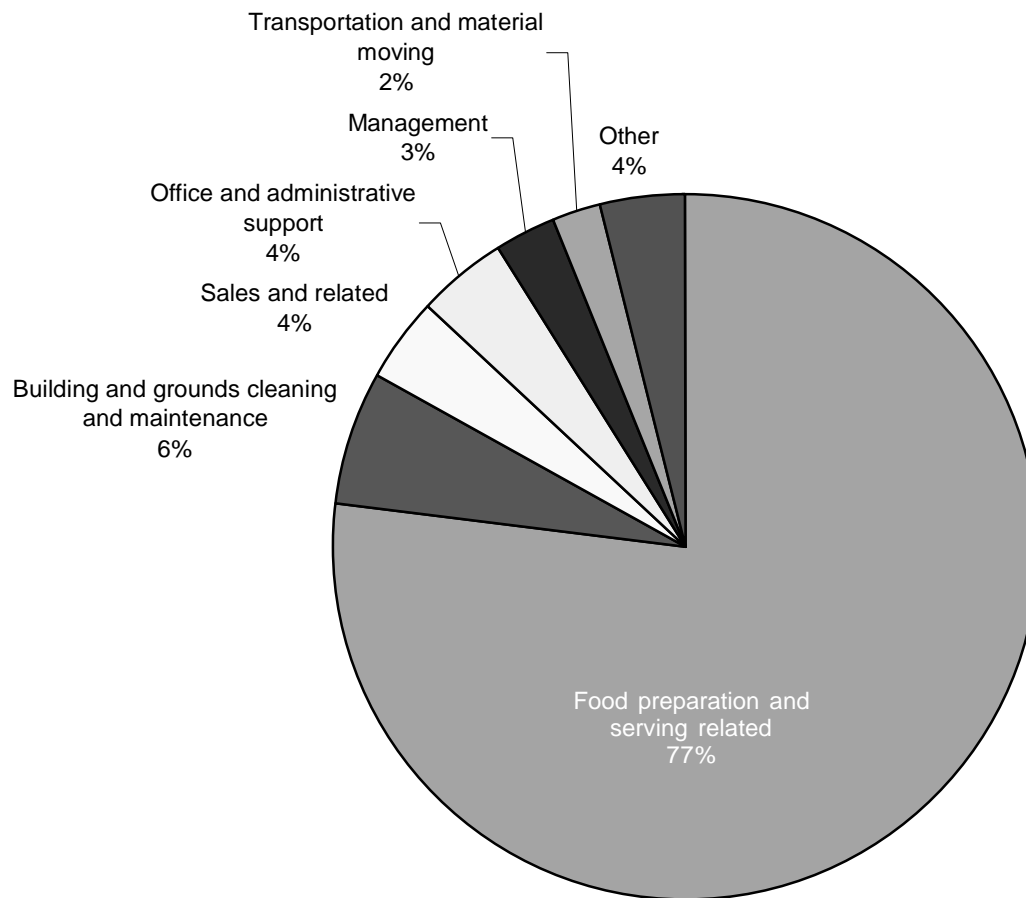
- This sector comprises 4 three-digit industries: **Ambulatory healthcare services, hospitals, nursing and residential facilities**, and **social assistance**. Employing **5,133,220**, **hospitals** are the largest more detailed industry, accounting for about **35 percent** of sector employment.
- With a mean wage of **\$21.96**, workers in the **ambulatory healthcare services** industry have higher mean wages than do workers in the other 3 three-digit industries.
- With an employment of **1,918,310**, **registered nurses** is the largest occupation in this sector.

Occupations in the arts, entertainment, and recreation sector



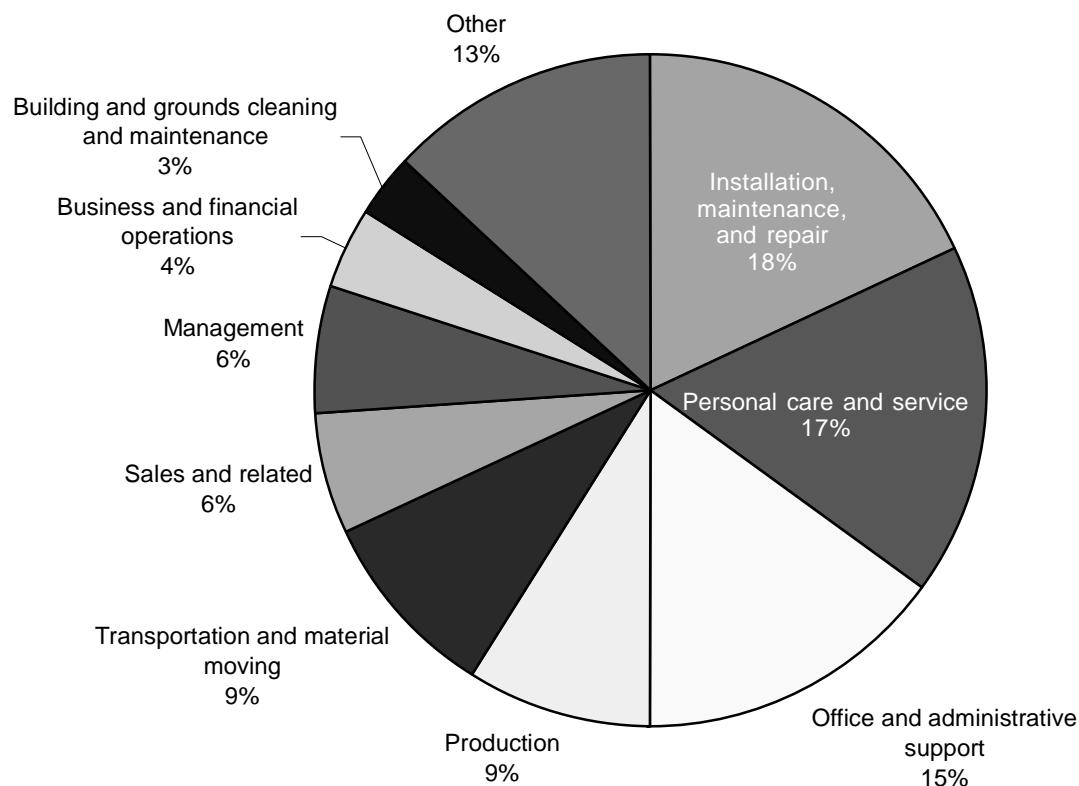
- This sector comprises 3 three-digit industries: **Performing arts, spectator sports, and related industries; museums, historical sites, and similar institutions; and amusement, gambling, and recreation.**
- **Amusement, gambling, and recreation** industries account for **72 percent** of the sector, with **1,292,100 workers**. Earning an average of **\$17.96 an hour**, workers in the **performing arts, spectator sports, and related** industries are the highest paid workers in this sector.
- **Amusement and recreation attendants** have the highest employment in this sector. With **149,450** attendants, this occupation accounts for about **8 percent** of sector employment.

Occupations in the accommodation and food service sector



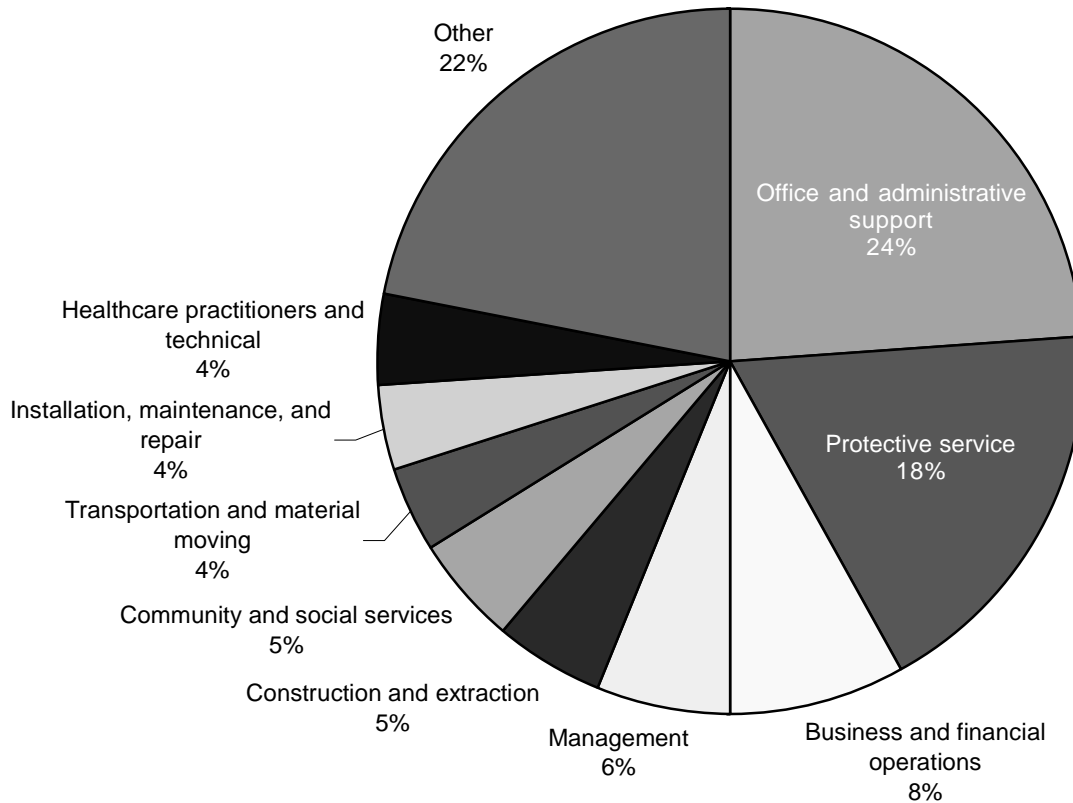
- This sector is made up of 2 three-digit industries: **Accommodation**, and **food services and drinking places**. The **food services and drinking places** industry is much larger than the accommodation industry: the former has **8,576,020** employees, and the latter employs **1,752,800**.
- Within the food services and drinking places industry, the largest detailed industry is **full-service restaurants**, employing **4,060,200 workers** or **47 percent** of total sector employment.
- **Waiters and waitresses** have the highest employment in this sector. Numbering **1,939,810**, waiters and waitresses account for almost **19 percent** of total sector employment.

Occupations in the other services (except public administration) sector



- OES produces estimates for 3 three-digit industries in this sector: **Repair and maintenance; personal and laundry services; religious, grantmaking, civic, professional, and similar organizations.**
- Employment is fairly evenly split among the 3 three-digit industries, which account for roughly **32.5 percent**, **33.5 percent**, and **34 percent** of sector employment respectively.
- **Hairdressers, hairstylists, and cosmetologists** have the highest employment, with **301,400 workers**—almost **8 percent** of sector employment. Almost all of these workers are in the **personal care services industry**.

Occupations in the government sector



- The government sector is made up of **Federal Government, State government, and local government**. With **over 5 million** employees, **local government** is the largest component of this sector. **Federal and State Governments** are similar in size, employing **2,608,390** and **2,227,250** respectively.
- With an employment of **599,820**, **police and sheriff's patrol officers** is the largest occupation in the sector. Almost all of these **528,460 workers** are employed by **local government**, making it also the largest occupation in local government.
- **Correctional officers and jailers** have the highest employment in **State government**, accounting for more than **10 percent** of state employees.
- Accounting for almost **1 in every 10** Federal employees, **postal service mail sorters, processors, and processing machine operators** have the highest employment in the Federal Government.

Table 1. National employment and wage data from the Occupational Employment Statistics survey by occupation, May 2003

Occupation	Employment	Mean wages		Percentiles				
		Hourly	Annual ¹	10th	25th	50th (Median)	75th	90th
Management occupations								
Chief executives.....	389,880	\$67.58	\$140,580	\$26.79	\$41.64	\$64.78	(?)	(?)
General and operations managers.....	1,892,060	42.64	88,700	16.75	23.48	35.00	54.20	(?)
Legislators.....	65,280	15.14	31,490	5.87	6.42	7.90	19.51	34.92
Advertising and promotions managers.....	71,100	35.18	73,170	15.22	20.06	29.01	43.61	64.61
Marketing managers.....	182,600	44.32	92,190	20.34	28.07	40.01	55.39	(?)
Sales managers.....	314,180	44.15	91,840	19.03	26.39	38.69	55.59	(?)
Public relations managers.....	58,490	35.94	74,750	16.81	22.81	31.16	43.75	61.14
Administrative services managers.....	278,300	30.67	63,780	13.79	19.06	27.37	38.57	51.68
Computer and information systems managers.....	266,020	45.78	95,230	24.47	32.89	43.15	55.38	69.89
Financial managers.....	521,750	41.92	87,190	19.64	26.54	37.16	51.20	(?)
Human resources managers.....	171,530	36.15	75,190	18.56	24.27	33.08	44.50	57.63
Industrial production managers.....	166,350	36.88	76,710	19.84	25.69	33.90	44.47	57.73
Purchasing managers.....	91,060	34.17	71,080	17.05	22.99	31.22	42.22	54.79
Transportation, storage, and distribution managers.....	97,450	33.5	69,670	17.76	23.36	30.57	40.44	52.56
Farm, ranch, and other agricultural managers.....	5,420	25.04	52,080	12.88	16.76	22.83	29.93	40.16
Construction managers.....	196,110	35.96	74,790	19.11	24.43	31.96	42.32	57.18
Education administrators, preschool and child care center/program.....	56,030	19.37	40,290	9.95	12.63	16.59	23.23	32.98
Education administrators, elementary and secondary school.....	206,310	(?)	76,210	(?)	(?)	(?)	(?)	(?)
Education administrators, postsecondary.....	98,160	35.60	74,040	17.99	23.42	32.04	43.70	57.78
Engineering managers.....	194,940	47.94	99,710	29.35	36.49	45.42	56.77	69.91
Food service managers.....	229,960	20.20	42,010	11.01	14.01	17.91	23.39	32.20
Funeral directors.....	23,080	25.82	53,710	12.49	16.79	21.48	28.84	42.48
Gaming managers.....	3,560	30.91	64,300	16.15	21.31	27.46	36.70	51.00
Lodging managers.....	30,760	19.70	40,980	10.23	13.20	17.16	22.83	31.40
Medical and health services managers.....	226,160	34.92	72,630	19.04	24.19	31.04	40.71	54.77
Natural sciences managers.....	41,810	45.19	93,990	22.52	29.91	41.28	55.39	(?)
Postmasters and mail superintendents.....	26,060	24.51	50,980	17.06	20.35	24.10	27.65	32.98
Property, real estate, and community association managers.....	156,120	22.86	47,550	8.47	12.62	18.46	27.65	42.40
Social and community service managers.....	116,020	23.77	49,440	12.83	16.50	21.85	28.57	37.34
Business and financial operations occupations								
Agents and business managers of artists, performers, and athletes.....	12,380	31.81	66,160	11.51	16.30	26.27	38.91	56.38
Purchasing agents and buyers, farm products.....	15,550	22.86	47,550	11.98	15.63	20.60	27.30	36.03
Wholesale and retail buyers, except farm products.....	138,630	23.72	49,350	11.71	14.96	20.28	27.69	38.80
Purchasing agents, except wholesale, retail, and farm products.....	237,210	24.07	50,060	13.95	17.35	22.43	29.35	37.16
Claims adjusters, examiners, and investigators.....	234,190	22.58	46,960	13.01	16.18	21.18	27.62	34.85
Insurance appraisers, auto damage.....	11,450	21.14	43,960	13.09	16.77	20.99	25.46	29.12
Compliance officers, except agriculture, construction, health and safety, and transportation.....	154,600	24.23	50,390	13.77	17.24	22.49	29.16	37.48
Cost estimators.....	184,620	25.03	52,050	13.95	17.77	23.22	30.45	39.29
Emergency management specialists.....	9,760	23.41	48,680	11.39	15.68	21.68	29.96	38.39
Employment, recruitment, and placement specialists.....	164,020	22.95	47,730	12.20	15.09	19.60	26.87	36.66
Compensation, benefits, and job analysis specialists.....	86,450	23.86	49,620	14.29	17.58	22.53	28.38	35.55
Training and development specialists.....	199,460	22.83	47,490	12.28	15.97	21.23	28.16	35.90
Management analysts.....	423,880	35.19	73,190	17.79	22.92	30.09	41.67	58.99
Meeting and convention planners.....	32,980	20.47	42,570	11.90	14.66	18.78	24.54	32.10
Accountants and auditors.....	924,640	26.65	55,430	15.16	18.66	23.59	30.92	41.33
Appraisers and assessors of real estate.....	61,070	23.99	49,900	10.93	14.87	20.97	28.74	37.72
Budget analysts.....	55,560	27.56	57,330	17.38	21.15	26.21	32.95	40.80
Credit analysts.....	68,910	25.25	52,530	13.23	16.49	21.65	29.61	41.63
Financial analysts.....	165,420	33.67	70,040	17.40	21.97	28.87	38.95	54.61
Personal financial advisors.....	85,670	38.12	79,290	13.62	18.42	28.22	48.75	(?)
Insurance underwriters.....	96,890	25.56	53,170	14.41	17.55	22.75	30.47	40.42
Financial examiners.....	22,720	30.66	63,770	16.11	20.71	28.36	38.11	49.04
Loan counselors.....	30,810	18.12	37,700	11.68	13.24	16.09	20.62	27.80
Loan officers.....	237,150	26.73	55,590	12.89	16.34	22.43	31.85	45.15
Tax examiners, collectors, and revenue agents.....	71,060	22.62	47,060	11.93	15.38	20.57	29.45	37.65
Tax preparers.....	50,410	15.69	32,630	7.38	9.07	12.76	18.98	27.19
Computer and mathematical operations occupations								
Computer and information scientists, research.....	23,210	40.64	84,530	21.67	29.49	39.23	50.12	61.64
Computer programmers.....	431,640	31.01	64,510	17.10	22.42	29.49	38.08	46.63
Computer software engineers, applications.....	392,140	36.42	75,750	22.10	27.37	34.87	43.24	53.78
Computer software engineers, systems software.....	285,760	37.69	78,400	23.02	29.07	36.65	44.80	54.84
Computer support specialists.....	482,990	20.50	42,640	11.24	14.47	18.96	24.97	32.75
Computer systems analysts.....	474,780	31.82	66,180	19.28	24.21	30.85	38.46	45.34
Database administrators.....	100,890	29.54	61,440	15.29	20.37	27.98	37.76	45.89
Network and computer systems administrators.....	237,980	28.43	59,140	17.18	21.39	26.95	34.18	42.52
Actuaries.....	14,680	41.22	85,730	19.68	25.22	34.86	50.19	(?)
Mathematicians.....	2,470	37.00	76,960	18.94	27.34	37.64	45.12	55.12
Operations research analysts.....	58,080	29.66	61,700	16.89	21.41	28.03	36.32	44.65
Statisticians.....	18,370	29.79	61,970	15.17	20.22	28.64	37.92	45.10
Mathematical technicians.....	2,180	19.87	41,320	11.56	13.61	17.57	23.18	31.70

See footnotes at end of table.

Table 1. National employment and wage data from the Occupational Employment Statistics survey by occupation, May 2003 - Continued

Occupation	Employment	Mean wages		Percentiles				
		Hourly	Annual ¹	10th	25th	50th (Median)	75th	90th
Architecture and engineering occupations								
Architects, except landscape and naval.....	91,010	\$31.18	\$64,850	\$17.70	\$21.53	\$27.86	\$36.53	\$46.12
Landscape architects.....	18,910	26.39	54,900	14.41	18.57	24.27	32.08	40.47
Cartographers and photogrammetrists.....	8,940	22.37	46,520	12.94	16.21	21.24	27.25	34.03
Surveyors.....	51,490	21.06	43,810	10.97	14.43	19.64	26.45	33.41
Aerospace engineers.....	70,740	36.54	76,000	24.22	29.27	35.83	43.40	51.85
Agricultural engineers.....	2,270	27.11	56,380	17.54	19.71	24.51	34.39	42.47
Biomedical engineers.....	6,980	32.20	66,980	18.86	23.65	30.61	39.15	48.15
Chemical engineers.....	32,490	36.66	76,250	23.37	28.34	35.46	43.40	52.72
Civil engineers.....	206,350	31.07	64,620	19.65	23.87	29.73	36.99	44.24
Computer hardware engineers.....	72,550	38.15	79,350	23.18	28.46	36.53	46.19	56.33
Electrical engineers.....	146,150	34.66	72,090	22.22	26.85	33.48	41.48	50.24
Electronics engineers, except computer.....	137,320	35.16	73,140	22.69	27.32	34.31	42.21	51.34
Environmental engineers.....	45,480	31.16	64,820	18.73	23.23	30.19	38.13	44.68
Health and safety engineers, except mining safety engineers and inspectors.....	29,920	30.01	62,420	18.23	22.40	28.68	35.94	43.25
Industrial engineers.....	156,780	30.91	64,290	19.60	24.33	30.23	36.66	43.79
Marine engineers and naval architects.....	4,960	34.52	71,800	21.85	26.23	33.89	41.65	49.76
Materials engineers.....	23,120	31.19	64,870	19.31	24.27	30.25	37.69	44.85
Mechanical engineers.....	207,810	31.75	66,040	20.28	24.69	30.72	38.14	45.24
Mining and geological engineers, including mining safety engineers.....	4,730	31.78	66,090	18.51	23.57	30.06	37.67	45.63
Nuclear engineers.....	16,010	41.12	85,520	28.82	34.02	40.18	46.17	55.42
Petroleum engineers.....	11,630	41.86	87,070	22.65	29.77	40.34	52.21	64.40
Architectural and civil drafters.....	97,800	18.84	39,190	11.80	14.57	18.12	22.07	26.98
Electrical and electronics drafters.....	33,720	21.56	44,840	12.56	15.65	20.06	26.16	33.58
Mechanical drafters.....	74,010	20.88	43,430	12.64	15.70	19.96	25.27	31.26
Aerospace engineering and operations technicians.....	13,900	25.91	53,890	17.37	21.05	25.33	29.89	35.43
Civil engineering technicians.....	90,060	18.89	39,290	11.22	14.06	18.30	23.07	27.50
Electrical and electronic engineering technicians.....	177,940	21.70	45,150	13.30	16.51	20.98	26.11	31.81
Electro-mechanical technicians.....	25,820	19.68	40,930	12.04	15.09	18.88	23.19	28.48
Environmental engineering technicians.....	17,630	19.01	39,530	11.17	13.90	17.88	23.09	29.06
Industrial engineering technicians.....	64,260	21.68	45,090	13.23	16.02	20.13	25.93	33.53
Mechanical engineering technicians.....	50,510	20.84	43,340	13.19	16.18	20.14	25.00	29.64
Surveying and mapping technicians.....	57,740	15.39	32,000	8.95	10.97	14.19	19.00	24.04
Life, physical, and social science occupations								
Agricultural and food scientists.....	16,200	25.77	53,600	13.82	17.20	23.80	32.49	41.77
Biochemists and biophysicists.....	14,430	32.27	67,120	17.15	21.83	29.95	40.00	50.40
Microbiologists.....	14,110	27.49	57,190	15.22	19.07	25.21	33.40	42.89
Zoologists and wildlife biologists.....	12,880	24.57	51,100	14.66	18.36	23.72	29.25	35.94
Conservation scientists.....	13,780	25.08	52,160	14.82	19.02	24.63	30.54	35.43
Foresters.....	9,840	23.44	48,760	14.54	17.64	22.75	27.98	33.89
Epidemiologists.....	3,770	28.30	58,860	17.42	21.84	26.22	32.39	41.21
Medical scientists, except epidemiologists.....	60,830	32.38	67,360	15.03	20.16	28.47	41.08	54.65
Astronomers.....	770	40.90	85,070	20.25	28.06	42.45	53.46	62.86
Physicists.....	12,390	42.48	88,350	23.98	31.93	41.17	52.35	63.26
Atmospheric and space scientists.....	6,490	31.65	65,830	15.37	21.22	31.57	40.00	48.22
Chemists.....	82,600	28.11	58,460	15.01	19.19	25.79	34.99	44.76
Materials scientists.....	7,410	34.09	70,900	18.04	24.23	33.15	42.93	53.05
Environmental scientists and specialists, including health.....	61,660	25.23	52,490	14.61	18.05	23.46	30.95	39.14
Geoscientists, except hydrologists and geographers.....	26,090	37.73	78,480	17.91	23.57	32.91	48.79	63.64
Hydrologists.....	7,060	28.60	59,490	17.92	21.14	27.43	34.24	42.10
Economists.....	12,300	37.41	77,810	18.91	24.86	33.78	44.31	59.78
Market research analysts.....	142,190	29.65	61,670	14.60	18.96	26.28	37.24	49.25
Survey researchers.....	16,850	15.76	32,770	7.40	8.70	11.83	20.49	28.91
Clinical, counseling, and school psychologists.....	100,180	27.80	57,820	14.56	18.86	25.10	33.03	42.85
Industrial-organizational psychologists.....	1,330	34.26	71,260	18.18	23.78	30.98	39.23	54.67
Sociologists.....	3,060	28.16	58,570	14.68	19.53	26.16	35.22	44.84
Urban and regional planners.....	30,770	25.58	53,210	15.56	19.35	24.73	31.12	37.85
Anthropologists and archeologists.....	4,550	21.28	44,270	11.75	14.18	19.54	26.75	33.71
Geographers.....	700	27.26	56,690	17.03	21.06	27.33	33.09	39.21
Historians.....	2,350	21.78	45,310	11.23	14.85	20.14	27.69	36.11
Political scientists.....	4,840	38.93	80,980	19.34	27.53	39.12	50.71	59.19
Agricultural and food science technicians.....	15,990	14.87	30,920	8.75	10.86	13.81	17.71	22.71
Biological technicians.....	49,550	16.62	34,570	10.39	12.53	15.69	19.86	24.85
Chemical technicians.....	64,020	18.51	38,500	10.95	13.89	17.82	22.41	27.26
Geological and petroleum technicians.....	10,150	20.21	42,040	10.18	14.36	19.58	25.51	31.18
Nuclear technicians.....	6,970	28.64	59,570	15.25	22.95	28.47	34.60	42.65
Environmental science and protection technicians, including health.....	27,800	17.97	37,380	10.32	13.31	16.97	21.89	27.12
Forensic science technicians.....	8,830	21.43	44,580	12.43	15.58	20.18	26.16	32.85
Forest and conservation technicians.....	30,140	14.29	29,730	9.59	11.13	12.93	16.55	20.82

See footnotes at end of table.

Table 1. National employment and wage data from the Occupational Employment Statistics survey by occupation, May 2003 - Continued

Occupation	Employment	Mean wages		Percentiles				
		Hourly	Annual ¹	10th	25th	50th (Median)	75th	90th
Community and social service occupations								
Substance abuse and behavioral disorder counselors.....	65,170	\$15.95	\$33,170	\$9.68	\$12.05	\$14.99	\$18.71	\$22.75
Educational, vocational, and school counselors.....	214,360	22.59	46,990	12.32	16.25	21.46	27.60	34.38
Marriage and family therapists.....	22,150	19.33	40,210	10.53	13.53	17.71	22.26	29.43
Mental health counselors.....	83,450	16.48	34,280	9.70	11.88	15.05	19.81	25.65
Rehabilitation counselors.....	115,690	14.06	29,240	8.29	10.03	12.79	16.75	21.99
Child, family, and school social workers.....	256,160	17.64	36,700	10.52	12.92	16.25	21.19	26.98
Medical and public health social workers.....	103,270	19.10	39,730	11.72	14.64	18.48	22.94	27.31
Mental health and substance abuse social workers.....	96,990	16.88	35,120	10.24	12.58	15.88	20.33	25.38
Health educators.....	42,780	19.47	40,490	10.93	13.80	18.00	24.09	31.01
Probation officers and correctional treatment specialists.....	86,810	20.00	41,600	12.40	14.90	18.64	24.60	30.89
Social and human service assistants.....	300,310	12.24	25,450	7.50	9.16	11.47	14.40	18.27
Clergy.....	38,170	17.76	36,950	8.86	12.05	16.25	21.90	28.75
Directors, religious activities and education.....	11,840	15.60	32,460	7.27	10.32	13.45	19.20	25.92
Legal occupations								
Lawyers.....	516,220	51.83	107,800	21.82	29.78	43.98	66.89	(?)
Administrative law judges, adjudicators, and hearing officers.....	16,850	33.46	69,590	16.40	21.57	31.81	43.01	55.72
Arbitrators, mediators, and conciliators.....	4,640	26.06	54,210	10.80	15.07	22.77	34.05	48.56
Judges, magistrate judges, and magistrates.....	24,640	42.09	87,540	12.33	23.83	46.31	59.08	67.21
Paralegals and legal assistants.....	206,700	19.57	40,710	11.77	14.43	18.23	23.58	29.67
Court reporters.....	15,370	22.26	46,310	10.95	14.27	20.31	28.47	38.27
Law clerks.....	41,550	15.88	33,030	7.95	11.27	15.27	19.76	24.12
Title examiners, abstractors, and searchers.....	47,840	18.69	38,880	9.88	12.43	16.39	22.26	30.21
Education, training, and library occupations								
Business teachers, postsecondary.....	68,260	(?)	62,450	(?)	(?)	(?)	(?)	(?)
Computer science teachers, postsecondary.....	34,470	(?)	56,210	(?)	(?)	(?)	(?)	(?)
Mathematical science teachers, postsecondary.....	41,880	(?)	55,510	(?)	(?)	(?)	(?)	(?)
Architecture teachers, postsecondary.....	5,270	(?)	64,300	(?)	(?)	(?)	(?)	(?)
Engineering teachers, postsecondary.....	28,990	(?)	74,630	(?)	(?)	(?)	(?)	(?)
Agricultural sciences teachers, postsecondary.....	11,260	(?)	66,780	(?)	(?)	(?)	(?)	(?)
Biological science teachers, postsecondary.....	51,780	(?)	68,880	(?)	(?)	(?)	(?)	(?)
Forestry and conservation science teachers, postsecondary.....	2,660	(?)	66,740	(?)	(?)	(?)	(?)	(?)
Atmospheric, earth, marine, and space sciences teachers, postsecondary.....	8,420	(?)	68,370	(?)	(?)	(?)	(?)	(?)
Chemistry teachers, postsecondary.....	17,100	(?)	61,820	(?)	(?)	(?)	(?)	(?)
Environmental science teachers, postsecondary.....	3,620	(?)	62,960	(?)	(?)	(?)	(?)	(?)
Physics teachers, postsecondary.....	11,870	(?)	67,430	(?)	(?)	(?)	(?)	(?)
Anthropology and archeology teachers, postsecondary.....	4,690	(?)	64,320	(?)	(?)	(?)	(?)	(?)
Area, ethnic, and cultural studies teachers, postsecondary.....	7,490	(?)	60,520	(?)	(?)	(?)	(?)	(?)
Economics teachers, postsecondary.....	11,420	(?)	70,590	(?)	(?)	(?)	(?)	(?)
Geography teachers, postsecondary.....	3,910	(?)	59,200	(?)	(?)	(?)	(?)	(?)
Political science teachers, postsecondary.....	12,320	(?)	62,880	(?)	(?)	(?)	(?)	(?)
Psychology teachers, postsecondary.....	27,250	(?)	59,180	(?)	(?)	(?)	(?)	(?)
Sociology teachers, postsecondary.....	13,990	(?)	56,830	(?)	(?)	(?)	(?)	(?)
Health specialties teachers, postsecondary.....	88,130	(?)	73,660	(?)	(?)	(?)	(?)	(?)
Nursing instructors and teachers, postsecondary.....	36,330	(?)	53,480	(?)	(?)	(?)	(?)	(?)
Education teachers, postsecondary.....	44,880	(?)	51,830	(?)	(?)	(?)	(?)	(?)
Library science teachers, postsecondary.....	4,110	(?)	53,660	(?)	(?)	(?)	(?)	(?)
Criminal justice and law enforcement teachers, postsecondary.....	9,610	(?)	49,180	(?)	(?)	(?)	(?)	(?)
Law teachers, postsecondary.....	11,470	(?)	91,420	(?)	(?)	(?)	(?)	(?)
Social work teachers, postsecondary.....	6,470	(?)	55,830	(?)	(?)	(?)	(?)	(?)
Art, drama, and music teachers, postsecondary.....	60,120	(?)	52,770	(?)	(?)	(?)	(?)	(?)
Communications teachers, postsecondary.....	20,420	(?)	52,400	(?)	(?)	(?)	(?)	(?)
English language and literature teachers, postsecondary.....	56,540	(?)	51,780	(?)	(?)	(?)	(?)	(?)
Foreign language and literature teachers, postsecondary.....	19,710	(?)	50,920	(?)	(?)	(?)	(?)	(?)
History teachers, postsecondary.....	18,110	(?)	56,550	(?)	(?)	(?)	(?)	(?)
Philosophy and religion teachers, postsecondary.....	15,890	(?)	53,600	(?)	(?)	(?)	(?)	(?)
Graduate teaching assistants.....	121,760	(?)	26,440	(?)	(?)	(?)	(?)	(?)
Home economics teachers, postsecondary.....	4,500	(?)	52,600	(?)	(?)	(?)	(?)	(?)
Recreation and fitness studies teachers, postsecondary.....	14,780	(?)	47,050	(?)	(?)	(?)	(?)	(?)
Vocational education teachers, postsecondary.....	121,090	20.80	43,270	11.10	14.55	19.10	25.71	33.87
Preschool teachers, except special education.....	368,870	10.67	22,190	6.57	7.71	9.53	12.51	16.59
Kindergarten teachers, except special education.....	162,660	(?)	42,380	(?)	(?)	(?)	(?)	(?)
Elementary school teachers, except special education.....	1,432,800	(?)	44,350	(?)	(?)	(?)	(?)	(?)
Middle school teachers, except special and vocational education.....	604,370	(?)	44,830	(?)	(?)	(?)	(?)	(?)
Vocational education teachers, middle school.....	17,430	(?)	44,930	(?)	(?)	(?)	(?)	(?)
Secondary school teachers, except special and vocational education.....	1,011,240	(?)	46,790	(?)	(?)	(?)	(?)	(?)
Vocational education teachers, secondary school.....	101,190	(?)	46,100	(?)	(?)	(?)	(?)	(?)
Special education teachers, preschool, kindergarten, and elementary school.....	207,530	(?)	45,920	(?)	(?)	(?)	(?)	(?)
Special education teachers, middle school.....	93,790	(?)	44,920	(?)	(?)	(?)	(?)	(?)
Special education teachers, secondary school.....	131,190	(?)	47,530	(?)	(?)	(?)	(?)	(?)

See footnotes at end of table.

Table 1. National employment and wage data from the Occupational Employment Statistics survey by occupation, May 2003 - Continued

Occupation	Employment	Mean wages		Percentiles				
		Hourly	Annual ¹	10th	25th	50th (Median)	75th	90th
Education, training, and library occupations - Continued								
Adult literacy, remedial education, and GED teachers and instructors.....	62,510	\$20.47	\$42,570	\$10.39	\$13.77	\$18.10	\$24.99	\$34.76
Self-enrichment education teachers.....	136,680	16.15	33,590	7.54	10.00	14.34	20.10	27.18
Archivists, curators, and museum technicians.....	21,030	19.21	39,960	9.74	12.92	17.14	23.35	31.95
Librarians.....	153,330	21.89	45,520	12.59	16.76	21.22	26.56	32.70
Library technicians.....	108,940	12.29	25,570	6.96	8.78	11.65	15.18	18.85
Audio-visual collections specialists.....	8,970	16.80	34,940	7.12	10.79	15.67	22.41	27.83
Farm and home management advisors.....	12,010	20.10	41,800	9.23	13.75	19.20	25.86	32.48
Instructional coordinators.....	96,690	24.09	50,100	12.68	16.68	22.82	30.45	37.83
Teacher assistants.....	1,234,030	(²)	20,220	(²)	(²)	(²)	(²)	(²)
Art, design, entertainment, sports and media occupations								
Art directors.....	24,000	33.70	70,100	16.42	22.02	29.93	40.63	54.99
Fine artists, including painters, sculptors, and illustrators.....	9,690	20.97	43,610	8.25	11.64	17.03	23.67	35.62
Multi-media artists and animators.....	32,910	25.42	52,880	12.90	17.39	22.08	30.84	41.87
Commercial and industrial designers.....	33,390	26.41	54,920	13.40	18.57	25.16	32.92	40.93
Fashion designers.....	11,270	30.12	62,650	13.18	17.74	25.42	37.89	52.76
Floral designers.....	69,730	10.00	20,810	6.51	7.68	9.45	11.47	14.44
Graphic designers.....	151,950	19.85	41,300	10.39	13.43	17.61	23.66	31.28
Interior designers.....	46,240	21.39	44,480	10.64	14.33	19.29	26.02	34.03
Merchandise displayers and window trimmers.....	59,150	11.99	24,940	7.07	8.40	10.59	13.69	19.23
Set and exhibit designers.....	8,060	18.78	39,070	9.80	12.87	16.90	23.15	31.06
Actors.....	51,840	(²)	48,940	(²)	(²)	(²)	(²)	(²)
Producers and directors.....	54,370	(²)	64,550	(²)	(²)	(²)	(²)	(²)
Athletes and sports competitors.....	11,840	(²)	90,410	(²)	(²)	(²)	(²)	(²)
Coaches and scouts.....	105,070	(²)	33,570	(²)	(²)	(²)	(²)	(²)
Umpires, referees, and other sports officials.....	8,790	(²)	27,820	(²)	(²)	(²)	(²)	(²)
Dancers.....	15,390	12.76	26,540	6.07	7.01	9.45	16.11	24.98
Choreographers.....	14,810	17.16	35,700	6.83	9.58	14.92	22.08	29.34
Music directors and composers.....	9,000	(²)	41,450	(²)	(²)	(²)	(²)	(²)
Musicians and singers.....	50,600	(²)	51,580	(²)	(²)	(²)	(²)	(²)
Announcers.....	49,370	14.25	29,640	6.13	7.20	10.07	15.44	25.27
News analysts, reporters and correspondents.....	60,230	19.27	40,090	8.61	10.81	15.02	23.56	34.38
Public relations specialists.....	147,970	23.19	48,230	12.04	15.42	20.48	27.59	37.42
Editors.....	108,990	22.83	47,490	11.82	15.04	19.93	27.36	37.22
Technical writers.....	44,690	26.15	54,390	14.71	19.06	24.80	32.01	40.08
Writers and authors.....	43,740	24.26	50,460	10.62	14.07	20.35	28.57	42.01
Interpreters and translators.....	21,910	17.22	35,820	9.73	12.38	16.10	20.65	26.55
Audio and video equipment technicians.....	37,370	16.88	35,110	8.80	11.03	14.81	20.67	27.69
Broadcast technicians.....	32,750	16.62	34,560	7.11	9.24	13.51	21.97	31.81
Radio operators.....	2,060	15.80	32,870	8.30	11.39	14.57	18.82	24.95
Sound engineering technicians.....	11,840	22.49	46,780	8.94	12.01	18.41	27.61	40.88
Photographers.....	57,740	14.23	29,590	7.02	8.55	12.04	17.27	24.98
Camera operators, television, video, and motion picture.....	21,430	18.34	38,140	7.21	10.29	16.51	25.23	32.07
Film and video editors.....	15,100	22.32	46,420	9.91	13.35	19.52	27.74	40.23
Healthcare practitioners and technical occupations								
Chiropractors.....	20,210	39.72	82,630	15.43	21.92	31.72	46.71	(²)
Dentists.....	97,090	63.08	131,210	24.36	36.75	57.85	(²)	(²)
Dietitians and nutritionists.....	46,190	20.68	43,020	12.64	16.38	20.21	24.70	29.11
Optometrists.....	22,740	45.70	95,060	21.70	30.23	41.07	54.70	(²)
Pharmacists.....	215,030	37.80	78,620	27.89	33.50	38.72	43.12	46.95
Anesthesiologists.....	23,790	88.89	184,880	51.67	(²)	(²)	(²)	(²)
Family and general practitioners.....	111,990	67.13	139,640	24.86	44.47	64.11	(²)	(²)
Internists, general.....	50,140	76.99	160,130	38.22	56.28	(²)	(²)	(²)
Obstetricians and gynecologists.....	19,180	86.86	180,660	43.74	69.14	(²)	(²)	(²)
Pediatricians, general.....	26,910	68.90	143,300	37.08	50.41	64.50	(²)	(²)
Psychiatrists.....	19,530	66.97	139,300	28.67	49.59	64.41	(²)	(²)
Surgeons.....	49,730	91.48	190,280	54.49	(²)	(²)	(²)	(²)
Physician assistants.....	60,030	31.15	64,790	17.30	24.47	31.57	38.10	43.94
Podiatrists.....	7,800	51.17	106,430	20.04	30.00	45.22	66.26	(²)
Registered nurses.....	2,246,430	24.63	51,230	16.97	19.77	23.82	28.41	34.24
Audiologists.....	10,030	25.23	52,490	16.15	19.52	23.93	28.62	35.35
Occupational therapists.....	81,380	25.87	53,810	17.30	20.88	25.27	30.48	36.37
Physical therapists.....	134,970	29.02	60,350	19.41	23.45	27.75	33.71	41.50
Radiation therapists.....	13,990	30.83	64,130	18.02	21.25	26.06	32.24	41.44
Recreational therapists.....	22,860	15.82	32,920	9.24	11.75	15.32	19.39	23.51
Respiratory therapists.....	87,180	20.07	41,750	14.79	17.06	19.79	22.77	26.63
Speech-language pathologists.....	86,640	25.10	52,210	15.91	19.42	24.06	29.53	36.25
Veterinarians.....	43,890	36.00	74,880	18.46	23.89	31.13	42.34	59.15

See footnotes at end of table.

Table 1. National employment and wage data from the Occupational Employment Statistics survey by occupation, May 2003 - Continued

Occupation	Employment	Mean wages		Percentiles				
		Hourly	Annual ¹	10th	25th	50th (Median)	75th	90th
Healthcare practitioners and technical occupations - Continued								
Medical and clinical laboratory technologists.....	146,900	\$21.38	\$44,480	\$14.85	\$17.84	\$20.98	\$25.01	\$28.50
Medical and clinical laboratory technicians.....	146,160	14.88	30,940	9.42	11.51	14.24	17.47	21.41
Dental hygienists.....	146,360	28.13	58,520	17.77	22.51	27.10	32.93	40.07
Cardiovascular technologists and technicians.....	43,300	18.44	38,350	10.12	13.07	17.99	23.10	27.36
Diagnostic medical sonographers.....	37,240	24.39	50,740	17.49	20.30	24.02	27.51	32.91
Nuclear medicine technologists.....	17,550	26.57	55,260	17.89	20.93	24.79	29.02	34.51
Radiologic technologists and technicians.....	173,030	20.03	41,660	13.68	16.14	19.53	23.39	27.29
Emergency medical technicians and paramedics.....	181,750	12.95	26,930	7.50	9.28	11.75	15.52	20.38
Dietetic technicians.....	26,870	11.64	24,210	6.93	8.22	10.78	14.01	17.14
Pharmacy technicians.....	211,270	11.47	23,860	7.59	9.01	10.94	13.50	16.24
Psychiatric technicians.....	56,000	13.60	28,290	8.32	9.83	12.39	16.67	21.16
Respiratory therapy technicians.....	25,470	17.11	35,590	11.34	13.97	16.75	20.21	23.64
Surgical technologists.....	73,250	15.74	32,740	10.86	12.82	15.45	18.14	21.22
Veterinary technologists and technicians.....	53,730	11.76	24,470	7.89	9.40	11.22	13.62	16.53
Licensed practical and licensed vocational nurses.....	682,590	15.97	33,210	11.26	13.05	15.57	18.47	21.51
Medical records and health information technicians.....	148,380	12.77	26,550	8.06	9.57	11.79	15.12	19.18
Opticians, dispensing.....	63,780	13.74	28,570	7.92	9.71	12.67	16.59	21.35
Orthotists and prosthetists.....	4,880	27.38	56,950	12.25	17.42	23.90	33.28	43.07
Occupational health and safety specialists and technicians.....	42,580	23.57	49,020	12.45	17.06	22.88	29.10	35.40
Athletic trainers.....	11,750	(²)	34,860	(²)	(²)	(²)	(²)	(²)
Healthcare support occupations								
Home health aides.....	583,880	9.22	19,180	6.53	7.54	8.77	10.42	12.53
Nursing aides, orderlies, and attendants.....	1,341,650	10.12	21,050	7.16	8.29	9.85	11.67	13.74
Psychiatric aides.....	57,770	11.48	23,880	7.57	8.93	11.01	13.79	16.36
Occupational therapist assistants.....	18,940	18.04	37,530	12.42	15.11	17.98	20.96	24.18
Occupational therapist aides.....	6,060	12.21	25,390	7.68	9.03	10.95	14.80	18.67
Physical therapist assistants.....	52,440	17.67	36,750	11.65	14.67	17.60	20.72	23.87
Physical therapist aides.....	36,870	10.71	22,270	7.41	8.53	10.08	12.10	14.52
Massage therapists.....	29,940	16.49	34,310	6.89	8.80	13.78	22.56	30.95
Dental assistants.....	272,030	13.57	28,230	8.66	10.56	13.32	16.35	19.44
Medical assistants.....	362,670	11.99	24,940	8.58	9.81	11.62	13.71	16.44
Medical equipment preparers.....	37,140	11.66	24,260	8.01	9.44	11.23	13.50	16.23
Medical transcriptionists.....	97,810	13.59	28,270	9.44	11.11	13.26	15.95	18.26
Pharmacy aides.....	61,170	9.42	19,600	6.37	7.45	8.84	10.87	13.48
Veterinary assistants and laboratory animal caretakers.....	64,490	9.28	19,310	6.35	7.32	8.66	10.59	13.16
Protective service occupations								
First-line supervisors/managers of correctional officers.....	33,760	23.00	47,850	14.22	16.48	21.88	28.86	33.83
First-line supervisors/managers of police and detectives.....	101,740	30.39	63,200	17.68	23.13	29.98	37.10	44.49
First-line supervisors/managers of fire fighting and prevention workers.....	59,000	28.24	58,750	16.83	21.68	27.40	34.06	42.55
Fire fighters.....	273,120	18.41	38,280	9.03	12.96	17.82	23.35	28.48
Fire inspectors and investigators.....	12,320	22.76	47,340	13.37	17.14	21.99	27.82	34.28
Forest fire inspectors and prevention specialists.....	1,460	19.72	41,010	10.61	14.17	18.31	24.04	32.72
Bailiffs.....	16,760	16.81	34,970	8.47	11.70	16.57	21.30	26.33
Correctional officers and jailers.....	417,420	16.87	35,090	10.76	12.63	15.94	20.82	25.42
Detectives and criminal investigators.....	87,480	26.17	54,440	15.08	19.11	25.19	33.00	40.09
Fish and game wardens.....	6,850	21.41	44,540	12.90	15.84	19.90	24.58	29.22
Parking enforcement workers.....	9,870	14.22	29,570	8.68	10.64	13.55	17.44	21.05
Police and sheriff's patrol officers.....	609,960	21.62	44,960	12.50	16.09	21.16	26.61	32.44
Transit and railroad police.....	5,470	22.09	45,940	12.82	17.07	21.23	26.68	33.73
Animal control workers.....	12,290	12.93	26,900	7.26	9.61	12.38	15.90	19.70
Private detectives and investigators.....	30,460	16.87	35,080	8.91	10.96	14.62	20.38	27.92
Gaming surveillance officers and gaming investigators.....	7,560	12.51	26,030	7.60	9.47	11.86	14.92	18.41
Security guards.....	964,260	10.34	21,520	6.74	7.79	9.45	11.83	15.62
Crossing guards.....	70,820	9.86	20,510	6.11	7.16	9.07	11.44	14.49
Food preparation and serving related occupations								
Chefs and head cooks.....	118,870	15.68	32,620	7.84	10.06	13.82	19.51	26.16
First-line supervisors/managers of food preparation and serving workers.....	694,040	12.90	26,840	7.64	9.30	11.88	15.47	19.62
Cooks, fast food.....	612,960	7.23	15,030	5.66	6.15	6.95	8.11	9.33
Cooks, institution and cafeteria.....	406,010	9.31	19,350	6.04	7.04	8.80	10.92	13.45
Cooks, restaurant.....	734,870	9.62	20,020	6.68	7.70	9.26	10.99	13.25
Cooks, short order.....	227,360	8.30	17,260	5.91	6.71	7.90	9.71	11.31
Food preparation workers.....	852,890	8.34	17,340	5.93	6.76	7.92	9.60	11.49
Bartenders.....	470,020	8.14	16,930	5.72	6.31	7.23	9.00	12.07
Combined food preparation and serving workers, including fast food.....	2,047,100	7.34	15,260	5.69	6.20	7.00	8.16	9.56
Counter attendants, cafeteria, food concession, and coffee shop.....	461,700	7.76	16,140	5.82	6.49	7.38	8.53	10.43
Waiters and waitresses.....	2,125,100	7.58	15,780	5.64	6.07	6.78	8.10	11.08
Food servers, nonrestaurant.....	194,260	8.28	17,220	5.82	6.50	7.65	9.49	11.90
Dining room and cafeteria attendants and bartender helpers.....	393,500	7.38	15,350	5.73	6.28	7.01	8.14	9.73
Dishwashers.....	492,620	7.45	15,490	5.77	6.39	7.21	8.31	9.62
Hosts and hostesses, restaurant, lounge, and coffee shop.....	294,300	7.77	16,170	5.80	6.47	7.40	8.59	10.39

See footnotes at end of table.

Table 1. National employment and wage data from the Occupational Employment Statistics survey by occupation, May 2003 - Continued

Occupation	Employment	Mean wages		Percentiles				
		Hourly	Annual ¹	10th	25th	50th (Median)	75th	90th
Building and grounds cleaning and maintenance occupations								
First-line supervisors/managers of housekeeping and janitorial workers.....	203,770	\$14.90	\$31,000	\$8.64	\$10.59	\$13.78	\$18.06	\$22.77
First-line supervisors/managers of landscaping, lawn service, and groundskeeping workers.....	95,450	17.71	36,840	10.31	12.66	16.23	21.12	27.00
Janitors and cleaners, except maids and housekeeping cleaners.....	2,064,350	9.77	20,320	6.22	7.24	8.85	11.49	14.97
Maids and housekeeping cleaners.....	896,370	8.42	17,520	6.01	6.89	7.98	9.53	11.55
Pest control workers.....	58,500	12.75	26,510	7.63	9.53	12.01	15.25	19.05
Landscaping and groundskeeping workers.....	819,780	10.39	21,610	6.89	7.89	9.59	12.03	15.50
Pesticide handlers, sprayers, and applicators, vegetation.....	23,450	12.60	26,210	8.36	10.03	12.25	14.84	17.50
Tree trimmers and pruners.....	40,710	13.11	27,270	8.22	9.88	12.32	15.61	19.68
Personal care and service occupations								
Gaming supervisors.....	26,280	19.64	40,860	10.96	14.53	19.31	23.91	27.71
Slot key persons.....	15,000	11.98	24,930	7.71	9.03	11.13	14.09	17.93
First-line supervisors/managers of personal service workers.....	110,630	15.67	32,590	8.87	11.07	14.18	18.81	24.35
Animal trainers.....	6,990	12.65	26,310	6.91	8.14	10.75	15.25	20.67
Nonfarm animal caretakers.....	85,440	9.08	18,890	6.11	6.98	8.26	10.41	13.40
Gaming dealers.....	76,120	7.86	16,350	5.66	6.10	6.83	7.71	12.56
Gaming and sports book writers and runners.....	15,820	10.04	20,880	6.56	7.50	9.05	11.26	16.02
Motion picture projectionists.....	10,450	9.98	20,750	6.01	6.87	8.24	11.55	15.79
Ushers, lobby attendants, and ticket takers.....	109,290	7.94	16,520	5.75	6.30	7.07	8.51	11.15
Amusement and recreation attendants.....	236,070	7.89	16,400	5.80	6.44	7.23	8.59	10.75
Costume attendants.....	3,400	13.80	28,700	7.22	9.35	12.22	16.27	22.56
Locker room, coatroom, and dressing room attendants.....	21,420	8.60	17,890	6.16	7.12	8.25	9.81	11.35
Embalmers.....	7,630	17.48	36,360	8.97	12.03	16.51	20.99	26.41
Funeral attendants.....	28,120	9.66	20,090	6.18	7.24	8.91	10.90	14.29
Barbers.....	17,570	11.16	23,210	6.11	7.04	9.73	13.74	19.26
Hairdressers, hairstylists, and cosmetologists.....	335,860	10.49	21,810	6.07	7.09	8.99	12.17	16.69
Makeup artists, theatrical and performance.....	720	16.68	34,700	7.63	9.76	14.09	20.15	32.26
Manicurists and pedicurists.....	32,670	9.21	19,150	6.14	7.04	8.52	10.55	13.24
Shampoosers.....	15,300	7.27	15,120	5.68	6.15	6.90	8.17	9.88
Skin care specialists.....	16,820	12.65	26,310	6.41	7.93	11.08	15.57	21.66
Baggage porters and bellhops.....	55,880	10.53	21,900	5.99	6.84	8.51	12.39	20.08
Concierges.....	16,710	11.31	23,520	7.10	8.51	10.48	13.87	16.71
Tour guides and escorts.....	27,390	9.71	20,190	6.27	7.23	9.04	11.42	13.95
Travel guides.....	5,450	15.17	31,540	8.19	10.47	13.24	17.43	22.43
Flight attendants.....	107,100	(³)	47,670	(³)	(³)	(³)	(³)	(³)
Transportation attendants, except flight attendants and baggage porters.....	28,580	9.99	20,770	6.14	7.17	9.05	11.81	15.92
Child care workers.....	469,150	8.37	17,400	5.89	6.66	7.90	9.70	11.54
Personal and home care aides.....	487,200	8.18	17,020	5.91	6.72	7.91	9.27	10.72
Fitness trainers and aerobics instructors.....	177,790	14.71	30,590	6.85	8.16	11.78	18.75	26.87
Recreation workers.....	265,640	10.12	21,040	6.24	7.24	8.94	11.73	16.07
Residential advisors.....	49,650	10.89	22,650	7.02	8.22	10.06	12.66	16.52
Sales and related occupations								
First-line supervisors/managers of retail sales workers.....	1,175,310	17.10	35,560	9.10	11.29	14.75	19.85	27.18
First-line supervisors/managers of non-retail sales workers.....	327,180	32.46	67,520	13.62	19.23	26.78	39.42	57.40
Cashiers.....	3,462,010	8.14	16,940	5.88	6.57	7.58	8.84	11.09
Gaming change persons and booth cashiers.....	30,760	9.84	20,470	6.84	7.95	9.63	11.43	13.31
Counter and rental clerks.....	442,310	9.95	20,690	6.06	7.00	8.48	11.22	15.79
Parts salespersons.....	236,090	13.04	27,120	7.36	9.04	11.78	15.95	20.80
Retail salespersons.....	3,992,930	10.70	22,260	6.25	7.23	8.70	11.60	17.24
Advertising sales agents.....	141,340	23.26	48,390	9.58	12.96	18.58	28.08	42.00
Insurance sales agents.....	277,120	25.85	53,770	10.55	13.84	19.25	30.15	50.44
Securities, commodities, and financial services sales agents.....	245,280	40.94	85,150	12.77	17.56	29.10	55.51	(³)
Travel agents.....	103,840	14.00	29,110	7.99	10.12	13.05	16.64	20.88
Sales representatives, wholesale and manufacturing, technical and scientific products.....	390,080	31.42	65,360	14.31	19.58	27.46	39.51	53.40
Sales representatives, wholesale and manufacturing, except technical and scientific products.....	1,421,660	25.23	52,480	11.14	15.08	21.09	30.24	43.76
Demonstrators and product promoters.....	95,300	12.07	25,110	7.13	8.01	9.74	13.45	20.70
Models.....	1,560	14.89	30,980	7.53	9.07	11.67	15.51	23.98
Real estate brokers.....	40,590	33.62	69,920	8.75	14.04	23.91	40.84	(³)
Real estate sales agents.....	123,490	21.61	44,950	7.94	10.57	15.68	26.14	41.78
Sales engineers.....	73,200	34.85	72,490	18.73	24.53	32.59	42.53	54.01
Telemarketers.....	404,150	10.86	22,590	6.91	7.85	9.55	12.29	16.94
Door-to-door sales workers, news and street vendors, and related workers.....	21,600	13.97	29,050	6.44	7.70	11.67	17.77	24.94
Office and administrative support occupations								
First-line supervisors/managers of office and administrative support workers.....	1,412,470	20.46	42,550	11.59	14.69	18.99	24.70	31.68
Switchboard operators, including answering service.....	217,700	10.69	22,230	7.20	8.50	10.27	12.47	14.77
Telephone operators.....	45,310	14.31	29,770	8.46	9.97	13.48	18.97	21.25

See footnotes at end of table.

Table 1. National employment and wage data from the Occupational Employment Statistics survey by occupation, May 2003 - Continued

Occupation	Employment	Mean wages		Percentiles				
		Hourly	Annual ¹	10th	25th	50th (Median)	75th	90th
Office and administrative support occupations - Continued								
Bill and account collectors.....	417,100	\$13.74	\$28,580	\$9.09	\$10.66	\$12.98	\$16.07	\$19.85
Billing and posting clerks and machine operators.....	487,420	13.13	27,310	8.90	10.38	12.64	15.37	18.18
Bookkeeping, accounting, and auditing clerks.....	1,750,680	13.93	28,980	8.59	10.64	13.35	16.66	20.44
Gaming cage workers.....	18,370	10.94	22,760	7.95	9.19	10.61	12.65	14.54
Payroll and timekeeping clerks.....	194,330	14.75	30,670	9.41	11.58	14.22	17.40	21.01
Procurement clerks.....	72,820	14.79	30,770	9.37	11.58	14.49	17.64	20.78
Tellers.....	538,890	10.07	20,940	7.51	8.56	9.94	11.24	13.25
Brokerage clerks.....	75,380	17.46	36,310	10.89	13.25	16.39	20.68	26.08
Correspondence clerks.....	27,460	13.49	28,050	9.26	10.68	12.88	15.82	18.95
Court, municipal, and license clerks.....	100,310	14.15	29,430	8.71	10.57	13.20	16.68	21.00
Credit authorizers, checkers, and clerks.....	73,860	14.22	29,580	8.95	10.57	13.08	16.45	20.87
Customer service representatives.....	1,902,850	13.73	28,560	8.37	10.17	12.74	16.31	20.91
Eligibility interviewers, government programs.....	89,410	16.23	33,750	11.12	13.05	15.87	19.25	21.89
File clerks.....	249,270	10.43	21,690	6.86	8.02	9.84	12.16	15.11
Hotel, motel, and resort desk clerks.....	180,410	8.77	18,240	6.25	7.23	8.39	10.00	11.59
Interviewers, except eligibility and loan.....	190,160	11.44	23,790	7.38	8.79	10.86	13.42	16.52
Library assistants, clerical.....	109,900	10.23	21,280	6.30	7.44	9.58	12.46	15.52
Loan interviewers and clerks.....	179,080	14.34	29,830	9.33	11.17	13.62	16.90	20.63
New accounts clerks.....	105,300	13.17	27,400	9.32	10.48	12.47	15.03	17.71
Order clerks.....	303,320	12.77	26,560	7.71	9.48	12.05	15.34	18.84
Human resources assistants, except payroll and timekeeping.....	165,760	15.44	32,120	10.00	12.16	14.93	18.12	21.61
Receptionists and information clerks.....	1,058,790	10.65	22,150	7.06	8.37	10.25	12.56	14.98
Reservation and transportation ticket agents and travel clerks.....	165,990	14.00	29,130	8.30	9.94	12.60	18.47	21.47
Cargo and freight agents.....	61,770	16.29	33,880	9.17	11.63	15.38	19.99	24.88
Couriers and messengers.....	118,210	10.00	20,790	6.69	7.68	9.39	11.50	14.25
Police, fire, and ambulance dispatchers.....	89,620	14.27	29,690	8.82	10.82	13.60	16.98	21.11
Dispatchers, except police, fire, and ambulance.....	161,790	15.80	32,870	8.73	11.07	14.61	19.52	25.07
Meter readers, utilities.....	51,790	14.67	30,510	8.67	10.75	13.80	18.19	22.40
Postal service clerks.....	78,520	18.83	39,170	17.21	17.93	19.13	20.33	21.05
Postal service mail carriers.....	344,580	18.87	39,240	15.10	17.38	19.05	20.72	22.91
Postal service mail sorters, processors, and processing machine operators.....	224,250	17.79	37,010	12.36	17.41	18.78	20.15	20.97
Production, planning, and expediting clerks.....	77,030	17.32	36,030	9.98	12.70	16.74	21.01	26.12
Shipping, receiving, and traffic clerks.....	767,470	12.11	25,200	7.63	9.19	11.38	14.28	17.69
Stock clerks and order fillers.....	1,576,620	10.33	21,490	6.63	7.70	9.38	12.11	15.65
Weighers, measurers, checkers, and samplers, recordkeeping.....	77,770	13.07	27,180	7.77	9.32	11.80	15.86	20.88
Executive secretaries and administrative assistants.....	1,418,640	17.22	35,810	11.02	13.27	16.39	20.39	25.05
Legal secretaries.....	264,080	17.87	37,170	10.67	13.50	17.15	21.75	26.73
Medical secretaries.....	349,370	13.08	27,210	8.96	10.32	12.50	15.33	18.42
Secretaries, except legal, medical, and executive.....	1,845,860	12.76	26,540	7.65	9.68	12.22	15.41	18.76
Computer operators.....	160,170	15.32	31,870	9.03	11.21	14.41	18.41	22.49
Data entry keyers.....	339,010	11.34	23,590	7.69	9.17	10.86	13.15	15.98
Word processors and typists.....	191,180	13.65	28,400	8.67	10.50	13.05	16.25	20.11
Desktop publishers.....	33,590	16.15	33,590	8.94	11.43	15.19	19.94	25.26
Insurance claims and policy processing clerks.....	239,580	14.33	29,800	9.52	11.35	13.71	16.82	20.43
Mail clerks and mail machine operators, except postal service.....	152,360	10.91	22,700	7.23	8.68	10.47	12.84	15.52
Office clerks, general.....	2,926,160	11.43	23,780	6.87	8.53	10.80	13.71	16.96
Office machine operators, except computer.....	90,470	11.42	23,760	7.52	8.89	10.68	13.33	16.61
Proofreaders and copy markers.....	24,700	12.76	26,550	7.64	9.34	11.77	15.36	19.28
Statistical assistants.....	20,970	15.11	31,430	9.37	11.35	14.37	18.05	21.96
Farming, fishing, and forestry occupations								
First-line supervisors/managers of farming, fishing, and forestry workers.....	20,620	18.14	37,730	9.40	12.34	16.76	21.98	28.78
Farm labor contractors.....	3,340	10.29	21,390	6.13	6.90	7.79	11.38	17.43
Agricultural inspectors.....	13,670	15.09	31,390	9.19	10.62	13.83	18.73	23.57
Animal breeders.....	1,750	14.25	29,640	7.84	9.54	12.02	17.92	24.07
Graders and sorters, agricultural products.....	51,210	8.53	17,740	6.11	6.93	7.78	9.55	11.73
Agricultural equipment operators.....	21,330	9.47	19,690	6.24	7.12	8.59	11.05	14.07
Farmworkers and laborers, crop, nursery, and greenhouse.....	233,450	8.02	16,670	6.14	6.91	7.43	8.49	10.78
Farmworkers, farm and ranch animals.....	42,890	8.84	18,390	6.34	7.08	8.12	10.03	12.74
Forest and conservation workers.....	9,170	11.24	23,380	7.00	7.73	9.58	13.52	18.45
Fallers.....	9,620	15.31	31,850	7.54	10.02	13.46	17.95	27.61
Logging equipment operators.....	28,190	13.52	28,130	8.23	10.36	13.00	16.31	19.65
Log graders and scalers.....	4,900	13.94	28,990	8.39	10.47	13.01	16.46	20.98
Construction and extraction occupations								
First-line supervisors/managers of construction trades and extraction workers.....	516,540	25.06	52,130	14.91	18.50	23.43	29.81	37.05
Boilermakers.....	20,270	20.92	43,510	12.96	17.06	20.79	25.13	29.43
Brickmasons and blockmasons.....	107,900	20.36	42,350	11.39	15.20	20.98	25.22	30.83
Stonemasons.....	13,710	17.36	36,110	9.63	12.04	16.35	21.33	27.21
Carpenters.....	852,080	17.75	36,920	10.04	12.66	16.47	21.85	28.00
Carpet installers.....	37,720	17.00	35,360	8.67	11.33	15.82	21.52	27.96
Floor layers, except carpet, wood, and hard tiles.....	15,070	17.19	35,760	8.88	11.90	16.75	21.42	26.64
Floor sanders and finishers.....	6,700	14.14	29,420	9.04	10.45	13.08	16.65	21.23

¹See footnotes at end of table.

Table 1. National employment and wage data from the Occupational Employment Statistics survey by occupation, May 2003 - Continued

Occupation	Employment	Mean wages		Percentiles				
		Hourly	Annual ¹	10th	25th	50th (Median)	75th	90th
Construction and extraction occupations - Continued								
Tile and marble setters.....	36,900	\$17.95	\$37,340	\$9.99	\$12.72	\$17.12	\$22.08	\$27.89
Cement masons and concrete finishers.....	180,540	16.23	33,760	9.37	11.59	14.80	19.78	25.79
Terrazzo workers and finishers.....	6,140	14.64	30,460	9.09	10.48	13.32	17.44	23.63
Construction laborers.....	837,650	13.64	28,380	7.50	9.32	11.86	16.77	23.21
Paving, surfacing, and tamping equipment operators.....	57,980	15.86	32,980	9.23	10.91	14.06	19.20	26.70
Pile-driver operators.....	4,390	22.72	47,260	11.95	15.72	23.16	29.90	33.90
Operating engineers and other construction equipment operators.....	343,640	18.39	38,260	10.66	12.97	16.84	22.84	28.97
Drywall and ceiling tile installers.....	111,970	17.56	36,530	9.92	12.48	16.19	21.64	28.21
Tapers.....	33,540	19.33	40,200	10.63	14.37	18.81	24.44	29.24
Electricians.....	584,010	21.20	44,090	11.89	15.06	20.04	26.61	33.23
Glaziers.....	46,230	17.16	35,690	9.31	11.85	15.53	21.30	29.38
Insulation workers.....	52,170	15.83	32,940	8.55	10.58	14.04	19.10	26.60
Painters, construction and maintenance.....	247,880	15.36	31,960	9.21	11.23	14.12	18.26	24.27
Paperhangers.....	8,910	16.45	34,220	9.17	11.83	15.40	20.82	26.16
Pipelayers.....	51,940	15.38	32,000	9.21	10.98	13.73	18.50	24.56
Plumbers, pipefitters, and steamfitters.....	433,600	20.89	43,450	11.33	14.83	19.69	26.44	33.17
Plasterers and stucco masons.....	53,530	17.17	35,720	9.98	12.34	15.90	20.85	27.12
Reinforcing iron and rebar workers.....	30,250	18.91	39,330	10.04	12.42	16.80	24.83	31.35
Roofers.....	118,390	15.78	32,820	9.21	11.23	14.43	19.39	24.97
Sheet metal workers.....	189,590	18.16	37,780	9.60	12.26	16.83	23.23	29.43
Structural iron and steel workers.....	70,420	20.49	42,610	10.78	14.30	19.58	26.41	32.42
Helpers--brickmasons, blockmasons, stonemasons, and tile and marble setters.....	59,890	12.99	27,010	8.17	9.68	11.64	15.00	20.80
Helpers--carpenters.....	98,180	10.93	22,740	7.28	8.61	10.37	12.70	15.47
Helpers--electricians.....	93,520	12.01	24,980	7.87	9.38	11.27	14.10	17.10
Helpers--painters, paperhangers, plasterers, and stucco masons.....	29,130	10.97	22,820	7.24	8.14	9.81	12.28	16.16
Helpers--pipelayers, plumbers, pipefitters, and steamfitters.....	77,580	11.50	23,920	7.67	9.07	10.77	13.25	16.54
Helpers--roofers.....	21,490	10.64	22,140	7.29	8.32	9.96	12.13	15.01
Construction and building inspectors.....	79,720	21.36	44,430	12.99	16.27	20.50	25.93	31.51
Elevator installers and repairers.....	21,470	26.86	55,860	16.14	21.83	26.90	32.68	37.99
Fence erectors.....	22,550	12.18	25,340	7.32	9.10	10.85	14.45	19.29
Hazardous materials removal workers.....	36,590	17.30	35,970	10.33	12.43	15.72	22.41	26.99
Highway maintenance workers.....	140,450	14.21	29,550	8.68	10.75	13.77	17.08	20.86
Rail-track laying and maintenance equipment operators.....	11,170	16.91	35,170	10.41	14.13	17.29	20.16	22.55
Septic tank servicers and sewer pipe cleaners.....	16,310	14.26	29,670	7.96	10.48	13.45	17.24	21.50
Segmental pavers.....	1,710	14.30	29,740	8.45	10.03	12.76	17.23	25.06
Derrick operators, oil and gas.....	15,080	15.58	32,400	10.14	11.91	14.69	17.74	22.94
Rotary drill operators, oil and gas.....	14,830	17.99	37,420	11.25	13.70	16.78	21.14	26.67
Service unit operators, oil, gas, and mining.....	12,640	15.93	33,140	9.47	11.35	14.41	19.46	25.02
Earth drillers, except oil and gas.....	19,970	16.46	34,230	10.15	12.58	15.65	19.53	24.31
Explosives workers, ordnance handling experts, and blasters.....	5,140	17.52	36,450	11.73	13.93	16.97	20.51	23.84
Continuous mining machine operators.....	7,610	17.18	35,730	11.73	13.99	17.17	20.38	22.82
Mine cutting and channeling machine operators.....	4,460	17.49	36,370	12.26	14.88	17.56	20.55	22.50
Rock splitters, quarry.....	3,240	13.76	28,620	8.23	10.26	12.88	15.87	20.32
Roof bolters, mining.....	3,980	18.49	38,460	14.58	16.15	18.54	20.75	22.31
Roustabouts, oil and gas.....	32,720	11.84	24,640	7.46	8.54	10.70	14.09	18.49
Helpers--extraction workers.....	28,860	13.21	27,480	8.39	10.08	12.63	15.73	18.87
Installation, maintenance, and repair occupations								
First-line supervisors/managers of mechanics, installers, and repairers.....	445,520	24.53	51,020	14.23	18.03	23.37	29.86	36.61
Computer, automated teller, and office machine repairers.....	144,370	16.98	35,310	10.07	12.62	16.24	20.59	25.49
Radio mechanics.....	6,890	18.80	39,100	10.60	13.68	17.82	23.09	28.82
Telecommunications equipment installers and repairers, except line installers.....	195,500	22.31	46,400	14.03	18.67	23.19	26.53	29.32
Avionics technicians.....	21,420	20.98	43,630	14.41	17.84	20.73	24.71	27.72
Electric motor, power tool, and related repairers.....	26,070	16.19	33,660	9.08	11.69	15.53	19.91	24.87
Electrical and electronics installers and repairers, transportation equipment.....	17,370	18.91	39,330	11.32	14.29	18.89	23.10	27.22
Electrical and electronics repairers, commercial and industrial equipment.....	83,820	19.96	41,520	11.90	15.46	20.29	24.47	27.32
Electrical and electronics repairers, powerhouse, substation, and relay.....	20,700	24.28	50,500	16.59	21.09	25.02	28.18	32.46
Electronic equipment installers and repairers, motor vehicles.....	14,590	13.64	28,360	8.49	10.06	12.64	16.37	20.41
Electronic home entertainment equipment installers and repairers.....	33,340	14.10	29,330	8.29	10.36	13.14	16.94	21.53
Security and fire alarm systems installers.....	46,850	16.81	34,960	10.15	12.61	16.00	20.62	25.13
Aircraft mechanics and service technicians.....	117,180	21.37	44,460	13.25	17.01	20.94	25.91	30.57
Automotive body and related repairers.....	173,590	17.19	35,760	8.83	11.83	15.93	21.31	27.54
Automotive glass installers and repairers.....	18,550	13.61	28,320	8.03	9.98	13.06	16.84	20.55
Automotive service technicians and mechanics.....	690,780	16.02	33,320	8.29	10.79	14.97	20.13	25.54
Bus and truck mechanics and diesel engine specialists.....	248,450	17.27	35,930	10.84	13.36	16.81	20.86	25.15
Farm equipment mechanics.....	33,310	13.58	28,240	8.90	10.62	13.21	16.16	19.06
Mobile heavy equipment mechanics, except engines.....	115,090	18.07	37,590	11.80	14.48	17.69	21.21	25.55
Rail car repairers.....	15,810	18.52	38,530	12.30	16.08	19.04	21.25	23.60
Motorboat mechanics.....	18,890	14.63	30,420	9.01	11.05	14.02	17.38	21.34
Motorcycle mechanics.....	13,690	14.06	29,250	8.29	10.29	13.29	16.95	21.33
Outdoor power equipment and other small engine mechanics.....	24,740	12.46	25,920	7.35	9.41	11.93	14.99	18.23
Bicycle repairers.....	6,870	9.99	20,780	6.72	7.86	9.63	11.72	13.93
Recreational vehicle service technicians.....	12,520	13.83	28,770	8.88	10.72	13.11	16.53	20.42
Tire repairers and changers.....	82,340	10.72	22,300	7.28	8.30	10.02	12.29	15.25

See footnotes at end of table.

Table 1. National employment and wage data from the Occupational Employment Statistics survey by occupation, May 2003 - Continued

Occupation	Employment	Mean wages		Percentiles				
		Hourly	Annual ¹	10th	25th	50th (Median)	75th	90th
Installation, maintenance, and repair occupations - Continued								
Mechanical door repairers.....	10,860	\$15.75	\$32,760	\$9.10	\$11.17	\$14.24	\$19.07	\$25.35
Control and valve installers and repairers, except mechanical door.....	37,840	20.34	42,310	11.53	14.68	20.45	25.79	29.69
Heating, air conditioning, and refrigeration mechanics and installers.....	212,200	17.69	36,790	10.41	12.97	16.90	21.60	26.48
Home appliance repairers.....	37,510	15.17	31,550	8.33	10.72	14.37	18.67	22.85
Industrial machinery mechanics.....	192,300	19.06	39,640	11.99	14.84	18.48	22.96	27.43
Maintenance and repair workers, general.....	1,230,880	15.05	31,300	8.26	10.71	14.33	18.73	22.96
Maintenance workers, machinery.....	89,160	16.41	34,130	9.63	12.28	15.86	20.12	24.42
Millwrights.....	64,910	20.74	43,150	12.22	15.80	20.38	25.93	30.51
Refractory materials repairers, except brickmasons.....	3,390	18.29	38,030	12.29	14.81	17.74	21.78	25.47
Electrical power-line installers and repairers.....	95,190	22.82	47,460	13.37	18.07	23.54	27.65	32.41
Telecommunications line installers and repairers.....	148,060	19.02	39,560	10.46	13.53	19.01	24.64	27.64
Camera and photographic equipment repairers.....	4,640	15.81	32,890	8.08	10.30	15.01	19.81	25.62
Medical equipment repairers.....	23,500	18.91	39,330	10.54	13.44	18.25	23.54	28.36
Musical instrument repairers and tuners.....	5,550	16.10	33,490	7.98	10.40	13.89	20.20	29.90
Watch repairers.....	3,700	14.68	30,540	8.22	10.02	13.16	18.07	22.36
Coin, vending, and amusement machine servicers and repairers.....	35,370	13.77	28,650	8.27	10.45	13.36	16.61	20.43
Commercial divers.....	2,690	18.27	38,000	11.17	13.60	16.48	20.73	28.84
Fabric menders, except garment.....	1,720	14.14	29,410	7.85	9.45	12.70	18.98	21.84
Locksmiths and safe repairers.....	19,340	14.68	30,540	8.31	10.59	13.83	17.81	22.16
Manufactured building and mobile home installers.....	13,160	11.65	24,230	7.41	8.90	11.23	13.44	16.35
Riggers.....	12,550	17.07	35,510	9.89	12.76	16.25	20.50	25.29
Signal and track switch repairers.....	8,680	21.32	44,350	16.40	18.80	21.01	24.15	27.42
Helpers--installation, maintenance, and repair workers.....	148,890	11.25	23,400	6.83	8.07	10.21	13.38	17.55
Production occupations								
First-line supervisors/managers of production and operating workers.....	705,270	22.45	46,690	12.58	16.12	21.02	27.21	34.49
Aircraft structure, surfaces, rigging, and systems assemblers.....	26,150	18.23	37,920	9.88	12.90	18.60	23.88	27.18
Coil winders, tapers, and finishers.....	33,590	12.17	25,320	7.81	9.36	11.48	14.24	17.56
Electrical and electronic equipment assemblers.....	245,700	12.20	25,380	7.85	9.33	11.28	14.13	17.77
Electromechanical equipment assemblers.....	54,690	13.09	27,230	8.11	9.89	12.52	15.78	19.45
Engine and other machine assemblers.....	50,410	16.31	33,920	9.00	11.34	15.58	21.73	25.44
Structural metal fabricators and fitters.....	85,330	14.60	30,380	9.41	11.32	13.94	17.18	21.07
Fiberglass laminators and fabricators.....	31,820	12.30	25,580	8.15	9.64	11.87	14.42	17.17
Team assemblers.....	1,138,100	12.10	25,160	7.49	9.01	11.14	14.13	18.01
Timing device assemblers, adjusters, and calibrators.....	5,280	13.55	28,180	8.69	10.30	12.79	15.97	20.02
Bakers.....	157,110	10.86	22,600	6.92	8.05	10.09	12.98	16.62
Butchers and meat cutters.....	132,370	13.07	27,180	7.54	9.48	12.30	16.42	20.24
Meat, poultry, and fish cutters and trimmers.....	150,440	9.17	19,060	6.95	7.69	8.69	10.27	12.13
Slaughterers and meat packers.....	122,490	9.94	20,680	7.37	8.48	9.82	11.14	13.07
Food and tobacco roasting, baking, and drying machine operators and tenders.....	17,800	12.79	26,600	7.57	9.41	11.89	15.55	19.92
Food batchmakers.....	74,650	11.24	23,390	6.84	8.15	10.53	13.83	16.94
Food cooking machine operators and tenders.....	34,480	10.99	22,860	6.98	8.14	10.31	13.26	16.60
Computer-controlled machine tool operators, metal and plastic.....	126,150	14.74	30,650	9.23	11.23	14.14	17.62	21.35
Numerical tool and process control programmers.....	17,820	19.24	40,020	12.01	14.92	18.43	22.64	27.60
Extruding and drawing machine setters, operators, and tenders, metal and plastic.....	93,600	13.08	27,210	8.33	10.19	12.72	15.46	18.07
Forging machine setters, operators, and tenders, metal and plastic.....	41,230	14.28	29,700	8.24	10.22	13.10	17.19	23.72
Rolling machine setters, operators, and tenders, metal and plastic.....	42,090	14.44	30,040	8.61	10.83	13.88	17.49	21.41
Cutting, punching, and press machine setters, operators, and tenders, metal and plastic.....	260,560	12.70	26,410	8.07	9.75	12.12	15.00	18.07
Drilling and boring machine tool setters, operators, and tenders, metal and plastic.....	48,730	14.22	29,570	8.68	10.55	13.29	17.04	21.81
Grinding, lapping, polishing, and buffing machine tool setters, operators, and tenders, metal and plastic.....	97,660	13.83	28,770	8.27	10.10	12.80	16.56	21.26
Lathe and turning machine tool setters, operators, and tenders, metal and plastic.....	70,300	15.04	31,290	9.41	11.47	14.57	17.88	22.00
Milling and planing machine setters, operators, and tenders, metal and plastic.....	28,580	14.91	31,020	9.20	11.31	14.48	17.82	21.66
Machinists.....	368,740	16.30	33,900	9.78	12.42	15.91	19.78	23.36
Metal-refining furnace operators and tenders.....	17,810	15.65	32,550	10.39	12.47	15.24	18.60	21.75
Pourers and casters, metal.....	12,770	14.33	29,810	9.40	11.33	13.64	16.98	20.88
Model makers, metal and plastic.....	7,900	20.98	43,630	10.30	14.13	20.90	28.49	32.52
Patternmakers, metal and plastic.....	6,090	18.19	37,830	9.44	13.10	17.45	22.36	29.33
Foundry mold and coremakers.....	20,770	14.01	29,130	8.80	10.72	13.05	16.40	22.13
Molding, coremaking, and casting machine setters, operators, and tenders, metal and plastic.....	144,140	12.36	25,720	7.62	9.24	11.51	14.51	18.32
Multiple machine tool setters, operators, and tenders, metal and plastic.....	100,320	15.20	31,620	8.95	10.91	13.97	18.69	24.86
Tool and die makers.....	104,210	21.10	43,900	13.19	16.55	20.67	25.91	30.83
Welders, cutters, solderers, and brazers.....	354,300	15.06	31,330	9.53	11.62	14.25	17.62	22.06
Welding, soldering, and brazing machine setters, operators, and tenders.....	53,750	15.18	31,580	9.40	11.37	13.99	17.70	23.89
Heat treating equipment setters, operators, and tenders, metal and plastic.....	27,290	14.39	29,930	9.17	10.95	13.63	17.18	21.32
Lay-out workers, metal and plastic.....	12,540	16.08	33,450	9.63	12.15	15.37	19.10	23.00
Plating and coating machine setters, operators, and tenders, metal and plastic.....	40,800	13.00	27,030	8.20	9.90	12.34	15.53	19.13
Tool grinders, filers, and sharpeners.....	22,320	15.02	31,250	9.11	11.05	14.22	18.06	22.73

See footnotes at end of table.

Table 1. National employment and wage data from the Occupational Employment Statistics survey by occupation, May 2003 - Continued

Occupation	Employment	Mean wages		Percentiles				
		Hourly	Annual ¹	10th	25th	50th (Median)	75th	90th
Production occupations - Continued								
Bindery workers.....	81,840	\$11.81	\$24,570	\$7.06	\$8.49	\$10.82	\$14.26	\$18.23
Bookbinders.....	6,550	14.74	30,660	7.97	10.17	13.87	18.33	22.27
Job printers.....	54,790	15.65	32,560	8.78	11.22	14.83	19.42	23.49
Prepress technicians and workers.....	82,970	15.95	33,170	8.84	11.43	15.22	19.91	24.64
Printing machine operators.....	189,900	14.93	31,050	8.38	10.59	14.11	18.52	22.52
Laundry and dry-cleaning workers.....	217,820	8.64	17,960	6.05	6.98	8.14	9.84	11.96
Pressers, textile, garment, and related materials.....	87,500	8.61	17,900	6.21	7.13	8.27	9.85	11.38
Sewing machine operators.....	265,200	9.12	18,960	6.44	7.22	8.51	10.52	12.90
Shoe and leather workers and repairers.....	8,090	9.98	20,750	6.74	7.81	9.40	11.35	14.29
Shoe machine operators and tenders.....	6,020	10.24	21,300	6.97	8.05	9.89	11.93	14.11
Sewers, hand.....	18,790	9.57	19,900	6.44	7.46	8.65	10.71	13.98
Tailors, dressmakers, and custom sewers.....	32,150	11.62	24,170	7.04	8.40	10.51	14.04	17.68
Textile bleaching and dyeing machine operators and tenders.....	24,280	10.56	21,960	7.11	8.56	10.30	12.19	13.95
Textile cutting machine setters, operators, and tenders.....	32,170	10.47	21,770	7.07	8.02	9.87	12.34	15.27
Textile knitting and weaving machine setters, operators, and tenders.....	47,720	11.42	23,740	7.89	9.56	11.37	13.20	14.87
Textile winding, twisting, and drawing out machine setters, operators, and tenders.....	60,550	11.08	23,040	8.50	9.51	10.62	12.16	13.89
Extruding and forming machine setters, operators, and tenders, synthetic and glass fibers.....	26,700	13.68	28,460	9.04	11.15	13.55	16.21	18.08
Fabric and apparel patternmakers.....	10,310	16.30	33,910	7.89	10.18	13.72	20.65	28.25
Upholsterers.....	39,660	12.97	26,980	7.61	9.50	12.18	16.05	19.66
Cabinetmakers and bench carpenters.....	126,350	12.56	26,120	7.82	9.45	11.81	14.98	18.49
Furniture finishers.....	28,770	11.82	24,590	7.49	8.96	11.13	13.76	17.36
Model makers, wood.....	3,820	14.19	29,520	7.64	9.08	12.24	16.67	26.71
Patternmakers, wood.....	3,470	14.93	31,060	7.94	10.23	14.25	17.84	24.30
Sawing machine setters, operators, and tenders, wood.....	55,130	11.12	23,130	7.32	8.70	10.65	13.18	15.92
Woodworking machine setters, operators, and tenders, except sawing.....	89,410	11.28	23,470	7.42	8.82	10.76	13.19	16.11
Nuclear power reactor operators.....	3,710	29.99	62,380	23.44	25.98	29.72	33.83	38.61
Power distributors and dispatchers.....	10,270	26.73	55,590	17.24	21.39	26.45	32.31	37.32
Power plant operators.....	33,250	24.15	50,220	15.44	19.62	24.45	28.80	33.44
Stationary engineers and boiler operators.....	48,880	21.32	44,340	12.92	16.45	20.87	26.16	31.38
Water and liquid waste treatment plant and system operators.....	95,870	16.89	35,130	9.93	12.60	16.30	20.68	25.40
Chemical plant and system operators.....	56,270	21.10	43,880	13.98	17.45	21.18	25.35	28.33
Gas plant operators.....	11,180	23.53	48,940	17.64	19.95	23.45	27.20	31.32
Petroleum pump system operators, refinery operators, and gaugers.....	40,980	22.97	47,780	14.32	19.93	24.02	26.77	29.12
Chemical equipment operators and tenders.....	59,720	18.75	39,000	11.85	14.77	18.62	22.86	26.35
Separating, filtering, clarifying, precipitating, and still machine setters, operators, and tenders.....	37,360	15.99	33,260	9.32	11.93	15.25	19.70	23.97
Crushing, grinding, and polishing machine setters, operators, and tenders.....	43,320	13.57	28,230	8.26	10.10	12.96	16.40	20.10
Grinding and polishing workers, hand.....	43,910	12.03	25,030	7.62	9.05	11.10	13.96	17.80
Mixing and blending machine setters, operators, and tenders.....	106,610	13.94	28,990	8.51	10.53	13.43	16.79	20.59
Cutters and trimmers, hand.....	30,110	12.01	24,980	7.20	8.54	10.79	14.17	18.45
Cutting and slicing machine setters, operators, and tenders.....	70,960	13.06	27,170	8.08	9.88	12.53	15.77	19.10
Extruding, forming, pressing, and compacting machine setters, operators, and tenders.....	73,990	13.84	28,780	8.52	10.32	13.05	16.62	21.15
Furnace, kiln, oven, drier, and kettle operators and tenders.....	30,320	14.63	30,430	9.06	11.11	13.95	17.72	21.67
Inspectors, testers, sorters, samplers, and weighers.....	497,300	14.65	30,470	8.09	10.18	13.34	17.80	23.91
Jewelers and precious stone and metal workers.....	30,360	14.48	30,120	7.58	9.77	13.06	17.28	22.16
Dental laboratory technicians.....	45,480	15.40	32,030	8.52	10.84	14.10	18.24	24.00
Medical appliance technicians.....	11,270	14.82	30,820	8.37	10.39	13.41	17.76	22.55
Ophthalmic laboratory technicians.....	30,300	11.42	23,760	7.56	8.84	10.67	13.47	16.73
Packaging and filling machine operators and tenders.....	400,680	11.40	23,700	6.99	8.24	10.45	13.74	17.27
Coating, painting, and spraying machine setters, operators, and tenders.....	93,110	13.06	27,160	8.32	9.99	12.37	15.47	19.16
Painters, transportation equipment.....	46,600	17.56	36,520	9.85	12.50	16.39	21.90	27.00
Painting, coating, and decorating workers.....	29,590	11.36	23,640	7.20	8.37	10.41	13.31	17.24
Photographic process workers.....	27,170	11.19	23,280	6.88	7.91	9.79	13.24	17.73
Photographic processing machine operators.....	54,750	10.14	21,100	6.56	7.57	9.11	11.73	15.54
Semiconductor processors.....	50,160	14.14	29,410	9.43	11.03	13.29	16.53	20.32
Cementing and gluing machine operators and tenders.....	25,390	11.98	24,920	7.66	9.12	11.24	14.41	17.32
Cleaning, washing, and metal pickling equipment operators and tenders.....	17,590	11.99	24,950	7.53	9.01	11.07	14.27	17.96
Cooling and freezing equipment operators and tenders.....	7,920	11.46	23,830	6.69	8.14	10.31	13.95	18.56
Etchers and engravers.....	8,800	11.94	24,840	7.10	8.46	10.69	13.85	18.26
Molders, shapers, and casters, except metal and plastic.....	37,600	12.70	26,420	7.39	9.24	11.91	15.60	19.62
Paper goods machine setters, operators, and tenders.....	109,600	14.29	29,720	8.95	11.26	13.91	16.95	20.70
Tire builders.....	14,830	17.59	36,590	9.37	12.63	19.01	21.74	25.20
Helpers--production workers.....	452,700	10.09	20,980	6.59	7.67	9.42	11.77	14.85
Transportation and material moving occupations								
Aircraft cargo handling supervisors.....	9,440	19.63	40,830	10.55	12.98	17.64	24.77	32.41
First-line supervisors/managers of helpers, laborers, and material movers, hand.....	154,750	19.19	39,920	11.09	14.07	18.16	23.11	28.55
First-line supervisors/managers of transportation and material-moving machine and vehicle operators.....	214,030	22.58	46,960	12.38	15.98	21.08	26.93	34.16
Airline pilots, copilots, and flight engineers.....	79,770	(³)	129,880	(³)	(³)	(³)	(³)	(³)
Commercial pilots.....	19,980	(³)	57,950	(³)	(³)	(³)	(³)	(³)
Air traffic controllers.....	23,040	44.83	93,240	24.00	33.75	46.28	58.36	65.44
Airfield operations specialists.....	5,660	20.85	43,380	9.73	13.11	18.79	27.20	33.74

See footnotes at end of table.

Table 1. National employment and wage data from the Occupational Employment Statistics survey by occupation, May 2003 - Continued

Occupation	Employment	Mean wages		Percentiles				
		Hourly	Annual ¹	10th	25th	50th (Median)	75th	90th
Transportation and material moving occupations - Continued								
Ambulance drivers and attendants, except emergency medical technicians.....	17,650	\$9.73	\$20,230	\$6.33	\$7.42	\$9.14	\$11.10	\$13.73
Bus drivers, transit and intercity.....	194,400	14.98	31,160	8.46	10.63	14.29	19.28	22.92
Bus drivers, school.....	467,840	11.05	22,990	6.20	7.75	10.86	13.65	16.56
Driver/sales workers.....	380,120	11.38	23,660	6.02	6.99	9.79	14.61	19.63
Truck drivers, heavy and tractor-trailer.....	1,528,630	16.51	34,330	10.02	12.55	16.01	20.01	23.81
Truck drivers, light or delivery services.....	943,840	12.76	26,530	7.10	8.82	11.58	15.79	20.79
Taxi drivers and chauffeurs.....	131,570	10.22	21,260	6.37	7.42	9.14	11.72	15.51
Locomotive engineers.....	30,450	24.60	51,160	14.03	16.84	22.11	31.81	41.31
Locomotive firers.....	680	21.67	45,080	13.38	18.66	22.75	26.26	28.16
Rail yard engineers, dinky operators, and hostlers.....	5,680	19.30	40,140	12.94	15.27	18.01	20.73	24.06
Railroad brake, signal, and switch operators.....	13,850	23.10	48,040	14.43	17.86	21.59	28.27	35.04
Railroad conductors and yardmasters.....	34,720	24.36	50,670	15.10	17.83	21.31	31.12	40.35
Subway and streetcar operators.....	9,880	22.13	46,020	17.66	19.46	22.97	25.61	27.19
Sailors and marine oilers.....	27,570	15.36	31,950	8.33	10.92	14.44	19.26	22.80
Captains, mates, and pilots of water vessels.....	24,040	25.50	53,050	12.71	17.78	24.51	31.16	38.98
Motorboat operators.....	3,680	14.71	30,590	7.57	8.99	12.51	19.79	25.03
Ship engineers.....	8,900	26.39	54,900	14.26	20.00	26.01	33.07	39.17
Bridge and lock tenders.....	3,270	16.93	35,220	9.52	13.30	17.97	20.53	23.14
Parking lot attendants.....	113,490	8.50	17,670	6.13	6.97	8.00	9.55	11.55
Service station attendants.....	96,250	8.71	18,110	6.26	7.10	8.11	9.68	12.06
Traffic technicians.....	6,460	16.85	35,040	10.16	12.15	16.15	20.67	25.47
Transportation inspectors.....	27,890	23.67	49,240	10.40	16.35	23.84	28.89	38.09
Conveyor operators and tenders.....	58,780	12.56	26,120	8.38	9.83	11.87	14.42	18.18
Crane and tower operators.....	47,420	18.73	38,950	11.20	13.66	17.86	22.51	28.31
Dredge operators.....	3,030	14.17	29,470	8.56	10.42	13.37	16.83	21.32
Excavating and loading machine and dragline operators.....	68,740	16.59	34,520	9.94	12.09	15.46	20.37	25.88
Loading machine operators, underground mining.....	3,560	15.64	32,530	10.47	12.52	15.46	18.23	21.56
Hoist and winch operators.....	8,560	17.78	36,990	9.50	11.61	15.40	21.83	32.25
Industrial truck and tractor operators.....	604,350	13.46	27,990	8.93	10.39	12.68	15.78	19.72
Cleaners of vehicles and equipment.....	320,840	9.15	19,030	6.08	6.98	8.27	10.41	13.50
Laborers and freight, stock, and material movers, hand.....	2,255,780	10.41	21,650	6.67	7.76	9.58	12.14	15.74
Machine feeders and offbearers.....	159,160	11.27	23,430	7.34	8.62	10.57	13.17	16.50
Packers and packagers, hand.....	901,890	8.85	18,410	6.07	6.94	8.14	10.25	12.95
Gas compressor and gas pumping station operators.....	6,190	21.20	44,100	13.77	17.49	20.97	25.13	28.76
Pump operators, except wellhead pumpers.....	12,260	18.60	38,680	9.68	13.40	18.00	24.62	27.85
Wellhead pumpers.....	8,560	15.73	32,720	8.88	11.78	14.89	19.85	23.99
Refuse and recyclable material collectors.....	138,480	12.51	26,030	6.31	8.22	11.56	15.86	21.05
Shuttle car operators.....	3,040	18.17	37,800	14.10	16.00	18.79	20.83	22.22
Tank car, truck, and ship loaders.....	16,210	17.13	35,630	9.75	12.21	15.90	21.28	27.20

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

² Represents a wage above \$70.00 per hour.

³ Hourly wage rates for occupations where workers typically work fewer than 2,080 hours per year are not available.

Table 2. National employment and wage data for the 10 largest occupations by industry from the Occupational Employment Statistics survey, May 2003

Occupation	Employment	Percent of industry employment	Mean wages		Percentiles	
			Hourly	Annual ¹	25th	75th
Logging (NAICS 113300)						
Logging equipment operators.....	21,460	32.0	\$ 13.66	\$ 28,410	\$ 10.43	\$ 16.51
Fallers.....	7,970	11.9	16.09	33,460	10.57	19.11
Truck drivers, heavy and tractor-trailer.....	7,850	11.7	13.50	28,080	10.60	16.11
First-line supervisors/managers of farming, fishing, and forestry workers.....	2,240	3.3	21.68	45,100	15.17	25.21
Sawing machine setters, operators, and tenders, wood.....	1,810	2.7	11.07	23,020	9.03	12.89
Laborers and freight, stock, and material movers, hand.....	1,720	2.6	10.54	21,920	7.69	12.03
Office clerks, general.....	1,340	2.0	9.76	20,300	6.75	11.18
Bookkeeping, accounting, and auditing clerks.....	1,290	1.9	11.82	24,590	8.56	14.43
General and operations managers.....	1,200	1.8	29.74	61,850	17.21	39.13
Secretaries, except legal, medical, and executive.....	1,080	1.6	9.62	20,010	6.85	11.49
Support activities for crop production (NAICS 115100)						
Farmworkers and laborers, crop, nursery, and greenhouse.....	162,670	58.0	7.73	16,080	6.93	8.22
Graders and sorters, agricultural products.....	16,960	6.0	7.32	15,230	6.84	7.87
Agricultural equipment operators.....	13,860	4.9	8.74	18,180	6.86	10.03
Laborers and freight, stock, and material movers, hand.....	7,930	2.8	7.98	16,600	6.54	8.79
First-line supervisors/managers of farming, fishing, and forestry workers.....	5,760	2.1	15.64	32,530	10.29	18.80
Truck drivers, heavy and tractor-trailer.....	4,330	1.5	11.60	24,130	8.65	13.59
Bookkeeping, accounting, and auditing clerks.....	2,240	0.8	12.92	26,870	9.33	15.98
General and operations managers.....	2,220	0.8	36.33	75,560	20.86	45.42
Farmworkers, farm and ranch animals.....	2,120	0.8	7.93	16,490	6.90	7.75
Office clerks, general.....	1,910	0.7	9.91	20,610	7.63	11.33
Support activities for animal production (NAICS 115200)						
Farmworkers, farm and ranch animals.....	9,160	35.7	9.24	19,220	7.37	10.57
Nonfarm animal caretakers.....	2,590	10.1	9.45	19,670	7.38	10.64
Animal trainers.....	1,480	5.8	12.86	26,750	8.84	16.34
Animal breeders.....	1,080	4.2	15.14	31,490	9.99	19.50
First-line supervisors/managers of farming, fishing, and forestry workers.....	740	2.9	16.65	34,620	11.92	20.64
Office clerks, general.....	740	2.9	9.48	19,720	7.33	11.39
Maintenance and repair workers, general.....	520	2.0	10.57	21,980	8.08	11.92
Agricultural and food science technicians.....	480	1.9	12.31	25,610	9.59	13.57
General and operations managers.....	460	1.8	32.37	67,330	21.65	37.28
Weighers, measurers, checkers, and samplers, recordkeeping.....	420	1.6	11.07	23,020	8.48	12.69
Oil and gas extraction (NAICS 211100)						
Petroleum pump system operators, refinery operators, and gaugers.....	8,640	7.3	21.37	44,450	15.63	25.56
Petroleum engineers.....	5,390	4.6	46.04	95,770	34.70	56.37
Wellhead pumpers.....	5,270	4.5	16.25	33,800	11.98	20.74
Accountants and auditors.....	5,140	4.4	25.97	54,020	20.14	30.46
General and operations managers.....	5,120	4.3	60.34	125,510	38.06	(?)
Geoscientists, except hydrologists and geographers.....	4,700	4.0	45.72	95,110	33.56	56.05
Pump operators, except wellhead pumpers.....	4,290	3.6	19.47	40,500	14.72	25.35
Bookkeeping, accounting, and auditing clerks.....	4,090	3.5	15.88	33,040	12.21	18.92
Roustabouts, oil and gas.....	3,610	3.1	13.83	28,760	9.87	17.48
Office clerks, general.....	3,340	2.8	13.39	27,860	8.93	16.99
Coal mining (NAICS 212100)						
Operating engineers and other construction equipment operators.....	7,030	10.1	18.23	37,920	14.00	21.58
First-line supervisors/managers of construction trades and extraction workers.....	4,220	6.0	30.22	62,850	21.74	35.37
Excavating and loading machine and dragline operators.....	3,940	5.6	18.83	39,170	14.24	23.29
Roof bolters, mining.....	3,760	5.4	18.39	38,250	16.15	20.66
Continuous mining machine operators.....	3,350	4.8	17.69	36,800	15.12	20.40
Helpers--extraction workers.....	3,220	4.6	16.91	35,170	14.71	19.72
Mobile heavy equipment mechanics, except engines.....	2,800	4.0	20.58	42,800	16.63	24.86
Electricians.....	2,750	3.9	21.20	44,100	18.68	23.14
Shuttle car operators.....	2,720	3.9	18.45	38,370	16.37	20.86
Maintenance and repair workers, general.....	2,660	3.8	19.49	40,540	17.60	21.76
Metal ore mining (NAICS 212200)						
Operating engineers and other construction equipment operators.....	1,480	5.5	18.04	37,520	15.54	20.62
Mobile heavy equipment mechanics, except engines.....	1,430	5.3	20.95	43,570	18.26	24.18
Continuous mining machine operators.....	1,320	4.9	20.15	41,920	18.37	22.49
Truck drivers, heavy and tractor-trailer.....	1,180	4.4	19.90	41,390	18.58	22.22
Separating, filtering, clarifying, precipitating, and still machine setters, operators, and tenders.....	1,140	4.3	17.53	36,470	15.13	20.74
Industrial machinery mechanics.....	910	3.4	19.43	40,420	17.29	22.04
Maintenance and repair workers, general.....	880	3.3	19.10	39,730	17.61	21.27
Crushing, grinding, and polishing machine setters, operators, and tenders.....	830	3.1	18.33	38,120	16.12	21.07
Electricians.....	820	3.1	20.30	42,230	18.14	22.22
Mine cutting and channeling machine operators.....	810	3.0	20.87	43,400	19.38	22.49

See footnotes at end of table.

Table 2. National employment and wage data for the 10 largest occupations by industry from the Occupational Employment Statistics survey, May 2003 - Continued

Occupation	Employment	Percent of industry employment	Mean wages		Percentiles	
			Hourly	Annual ¹	25th	75th
Nonmetallic mineral mining and quarrying (NAICS 212300)						
Truck drivers, heavy and tractor-trailer.....	10,560	9.7	\$ 14.52	\$ 30,190	\$ 11.65	\$ 16.70
Operating engineers and other construction equipment operators.....	9,280	8.5	15.96	33,190	12.41	18.28
Excavating and loading machine and dragline operators.....	7,210	6.6	14.37	29,890	11.18	16.72
Crushing, grinding, and polishing machine setters, operators, and tenders.....	4,600	4.2	14.41	29,980	11.30	16.49
Maintenance and repair workers, general.....	3,650	3.4	16.35	34,000	13.32	19.29
First-line supervisors/managers of construction trades and extraction workers.....	3,600	3.3	24.05	50,030	17.38	28.93
General and operations managers.....	2,930	2.7	40.89	85,050	26.07	47.63
Mobile heavy equipment mechanics, except engines.....	2,770	2.6	16.64	34,600	13.57	18.89
Laborers and freight, stock, and material movers, hand.....	2,760	2.5	12.63	26,270	9.56	15.58
Industrial truck and tractor operators.....	2,460	2.3	13.13	27,310	10.49	15.70
Support activities for mining (NAICS 213100)						
Roustabouts, oil and gas.....	19,330	11.0	12.15	25,260	9.06	14.55
Helpers--extraction workers.....	13,150	7.5	13.19	27,440	10.27	15.30
Derrick operators, oil and gas.....	12,680	7.2	15.39	32,020	12.07	17.44
Rotary drill operators, oil and gas.....	11,270	6.4	18.59	38,660	14.11	21.61
Service unit operators, oil, gas, and mining.....	9,130	5.2	15.90	33,080	11.55	19.18
First-line supervisors/managers of construction trades and extraction workers.....	8,920	5.1	26.17	54,440	18.97	32.50
Truck drivers, heavy and tractor-trailer.....	6,300	3.6	12.73	26,470	10.28	13.93
General and operations managers.....	5,450	3.1	41.51	86,340	27.11	50.65
Operating engineers and other construction equipment operators.....	2,920	1.7	15.80	32,870	11.55	20.09
Secretaries, except legal, medical, and executive.....	2,880	1.6	11.12	23,140	7.87	13.61
Electric power generation, transmission and distribution (NAICS 221100)						
Electrical power-line installers and repairers.....	48,870	11.6	24.27	50,490	20.51	28.32
Customer service representatives.....	22,640	5.4	17.62	36,650	13.43	21.26
Power plant operators.....	20,560	4.9	25.32	52,670	21.62	29.22
Meter readers, utilities.....	14,160	3.4	16.34	33,990	12.64	20.05
First-line supervisors/managers of mechanics, installers, and repairers.....	13,360	3.2	31.84	66,220	27.31	36.69
Electrical and electronics repairers, powerhouse, substation, and relay.....	13,260	3.2	25.45	52,930	22.96	28.48
Control and valve installers and repairers, except mechanical door.....	8,860	2.1	24.95	51,890	21.31	29.18
Electricians.....	8,360	2.0	24.75	51,480	21.87	28.27
Industrial machinery mechanics.....	8,270	2.0	25.84	53,740	23.51	29.17
First-line supervisors/managers of production and operating workers.....	8,180	2.0	35.90	74,680	30.43	41.90
Natural gas distribution (NAICS 221200)						
Customer service representatives.....	9,620	8.5	18.26	37,970	13.40	23.16
Control and valve installers and repairers, except mechanical door.....	7,980	7.1	23.08	48,010	19.38	27.09
Plumbers, pipefitters, and steamfitters.....	6,250	5.6	21.89	45,530	17.94	26.46
Meter readers, utilities.....	5,800	5.2	17.62	36,650	13.49	22.00
Gas plant operators.....	3,120	2.8	25.06	52,120	21.03	28.82
Office clerks, general.....	2,340	2.1	16.88	35,110	13.13	20.81
First-line supervisors/managers of construction trades and extraction workers.....	2,100	1.9	28.17	58,600	23.95	32.99
First-line supervisors/managers of mechanics, installers, and repairers.....	2,070	1.8	29.45	61,260	25.49	33.97
First-line supervisors/managers of office and administrative support workers.....	1,980	1.8	27.38	56,950	22.48	32.78
Maintenance and repair workers, general.....	1,770	1.6	22.49	46,790	19.14	26.35
Water, sewage and other systems (NAICS 221300)						
Water and liquid waste treatment plant and system operators.....	8,300	17.2	16.23	33,760	11.93	20.25
Meter readers, utilities.....	2,900	6.0	12.88	26,790	8.70	16.24
General and operations managers.....	2,130	4.4	36.65	76,230	23.92	44.13
Plumbers, pipefitters, and steamfitters.....	2,100	4.3	15.40	32,040	11.11	19.28
Secretaries, except legal, medical, and executive.....	1,880	3.9	10.85	22,560	7.29	13.21
Maintenance and repair workers, general.....	1,870	3.9	16.82	34,990	11.91	21.81
Bookkeeping, accounting, and auditing clerks.....	1,790	3.7	13.13	27,320	9.52	16.33
Customer service representatives.....	1,680	3.5	15.12	31,440	10.98	18.87
First-line supervisors/managers of production and operating workers.....	1,560	3.2	25.55	53,150	19.37	29.89
Office clerks, general.....	1,540	3.2	10.86	22,590	7.27	13.47
Residential building construction (NAICS 236100)						
Carpenters.....	257,840	31.3	17.10	35,560	12.63	20.68
Construction laborers.....	91,100	11.1	13.27	27,610	9.65	15.11
First-line supervisors/managers of construction trades and extraction workers.....	70,730	8.6	24.21	50,370	18.14	28.22
Helpers--carpenters.....	38,790	4.7	10.54	21,920	8.41	12.45
Construction managers.....	35,620	4.3	34.70	72,190	21.85	39.66
Secretaries, except legal, medical, and executive.....	25,940	3.2	11.91	24,770	8.67	13.87
Office clerks, general.....	25,560	3.1	11.13	23,160	7.49	13.80
Bookkeeping, accounting, and auditing clerks.....	25,000	3.0	14.06	29,240	10.35	16.95
General and operations managers.....	22,630	2.8	45.08	93,760	25.51	56.21
Executive secretaries and administrative assistants.....	13,620	1.7	16.10	33,490	12.79	18.78

See footnotes at end of table.

Table 2. National employment and wage data for the 10 largest occupations by industry from the Occupational Employment Statistics survey, May 2003 - Continued

Occupation	Employment	Percent of industry employment	Mean wages		Percentiles	
			Hourly	Annual ¹	25th	75th
Nonresidential building construction (NAICS 236200)						
Carpenters.....	140,590	18.8	\$ 19.55	\$ 40,660	\$ 14.21	\$ 24.43
Construction laborers.....	110,190	14.7	14.41	29,980	9.83	18.23
First-line supervisors/managers of construction trades and extraction workers.....	72,710	9.7	26.06	54,200	19.83	31.36
Construction managers.....	43,880	5.9	35.85	74,560	25.87	42.62
Cement masons and concrete finishers.....	20,220	2.7	17.02	35,410	12.51	21.52
General and operations managers.....	18,830	2.5	48.25	100,360	28.95	59.95
Helpers--carpenters.....	17,070	2.3	11.86	24,670	9.21	13.59
Cost estimators.....	16,900	2.3	28.49	59,250	20.74	34.91
Plumbers, pipefitters, and steamfitters.....	14,750	2.0	21.57	44,860	16.18	26.90
Structural iron and steel workers.....	14,410	1.9	18.43	38,340	13.79	22.52
Utility system construction (NAICS 237100)						
Construction laborers.....	79,910	20.8	13.90	28,920	9.35	17.34
Operating engineers and other construction equipment operators.....	38,140	9.9	19.58	40,720	13.56	25.08
First-line supervisors/managers of construction trades and extraction workers.....	26,170	6.8	23.88	49,680	17.98	28.16
Pipelayers.....	20,620	5.4	15.18	31,570	10.68	18.91
Electrical power-line installers and repairers.....	13,920	3.6	18.45	38,380	13.32	22.94
Telecommunications line installers and repairers.....	12,790	3.3	15.36	31,940	11.22	17.95
Plumbers, pipefitters, and steamfitters.....	12,010	3.1	19.31	40,160	13.15	24.63
Earth drillers, except oil and gas.....	9,490	2.5	16.00	33,290	12.10	18.64
Truck drivers, heavy and tractor-trailer.....	9,330	2.4	16.52	34,360	12.29	19.61
Construction managers.....	8,910	2.3	34.19	71,120	24.60	40.43
Land subdivision (NAICS 237200)						
Landscaping and groundskeeping workers.....	4,530	5.4	10.29	21,400	8.07	11.81
Property, real estate, and community association managers.....	4,200	5.0	39.64	82,460	18.44	52.44
Real estate sales agents.....	4,180	5.0	28.72	59,750	13.33	34.58
Secretaries, except legal, medical, and executive.....	4,020	4.8	13.09	27,230	9.82	15.98
Executive secretaries and administrative assistants.....	4,000	4.8	18.56	38,600	14.79	21.38
Bookkeeping, accounting, and auditing clerks.....	3,760	4.5	16.11	33,500	12.67	19.32
Office clerks, general.....	3,700	4.4	11.84	24,620	8.36	14.30
Maintenance and repair workers, general.....	3,490	4.2	14.68	30,540	10.99	17.36
General and operations managers.....	3,370	4.0	55.78	116,020	29.72	(?)
First-line supervisors/managers of construction trades and extraction workers.....	3,300	3.9	27.92	58,060	20.24	33.81
Highway, street, and bridge construction (NAICS 237300)						
Construction laborers.....	86,800	24.6	15.64	32,540	9.85	20.93
Operating engineers and other construction equipment operators.....	52,180	14.8	20.31	42,240	13.72	26.27
Truck drivers, heavy and tractor-trailer.....	26,380	7.5	15.65	32,560	11.32	19.07
First-line supervisors/managers of construction trades and extraction workers.....	26,080	7.4	24.47	50,900	18.66	29.14
Paving, surfacing, and tamping equipment operators.....	19,110	5.4	16.43	34,170	11.09	20.92
Carpenters.....	15,090	4.3	20.02	41,650	13.82	25.83
Cement masons and concrete finishers.....	11,480	3.3	16.84	35,030	11.55	21.99
Construction managers.....	8,310	2.4	35.40	73,620	25.19	41.33
Mobile heavy equipment mechanics, except engines.....	5,990	1.7	18.34	38,150	13.72	22.30
General and operations managers.....	5,600	1.6	45.99	95,650	27.64	56.83
Other heavy and civil engineering construction (NAICS 237900)						
Construction laborers.....	21,590	19.4	13.83	28,760	9.51	16.83
Operating engineers and other construction equipment operators.....	14,120	12.7	18.84	39,180	12.73	23.43
First-line supervisors/managers of construction trades and extraction workers.....	6,550	5.9	24.38	50,710	18.23	28.98
Carpenters.....	4,110	3.7	20.46	42,550	14.32	26.54
Truck drivers, heavy and tractor-trailer.....	3,590	3.2	15.83	32,920	10.99	19.83
Plumbers, pipefitters, and steamfitters.....	2,950	2.7	20.72	43,100	15.62	25.06
Construction managers.....	2,850	2.6	37.82	78,670	25.12	45.73
General and operations managers.....	2,220	2.0	44.40	92,350	26.59	54.59
Office clerks, general.....	1,990	1.8	11.29	23,490	7.69	13.77
Excavating and loading machine and dragline operators.....	1,960	1.8	16.14	33,580	12.16	18.90
Foundation, structure, and building exterior contractors (NAICS 238100)						
Carpenters.....	131,590	13.8	17.50	36,390	12.38	21.75
Construction laborers.....	112,770	11.8	13.51	28,090	9.60	15.94
Roofers.....	99,790	10.4	15.85	32,970	11.32	19.50
Brickmasons and blockmasons.....	79,870	8.4	20.41	42,450	15.65	24.96
Cement masons and concrete finishers.....	74,890	7.8	15.93	33,130	11.53	19.08
First-line supervisors/managers of construction trades and extraction workers.....	49,880	5.2	24.72	51,420	18.05	28.90
Helpers--brickmasons, blockmasons, stonemasons, and tile and marble setters.....	42,500	4.4	13.04	27,130	9.78	14.88
Structural iron and steel workers.....	31,370	3.3	21.78	45,310	15.79	27.80
Glaziers.....	30,190	3.2	17.89	37,220	12.20	22.66
Reinforcing iron and rebar workers.....	18,370	1.9	19.21	39,960	12.40	25.42

See footnotes at end of table.

Table 2. National employment and wage data for the 10 largest occupations by industry from the Occupational Employment Statistics survey, May 2003 - Continued

Occupation	Employment	Percent of industry employment	Mean wages		Percentiles	
			Hourly	Annual ¹	25th	75th
Building equipment contractors (NAICS 238200)						
Electricians.....	399,280	22.0	\$ 21.12	\$ 43,920	\$ 14.48	\$ 26.79
Plumbers, pipefitters, and steamfitters.....	300,610	16.5	21.25	44,200	14.90	27.10
Heating, air conditioning, and refrigeration mechanics and installers.....	119,140	6.6	17.15	35,680	12.37	20.96
Sheet metal workers.....	91,460	5.0	19.16	39,850	12.89	25.11
Helpers--electricians.....	84,400	4.6	11.90	24,760	9.36	13.96
First-line supervisors/managers of construction trades and extraction workers.....	67,180	3.7	27.46	57,110	19.74	33.29
Helpers--pipelayers, plumbers, pipefitters, and steamfitters.....	61,810	3.4	11.41	23,740	9.15	13.16
Secretaries, except legal, medical, and executive.....	42,650	2.4	11.67	24,280	8.76	13.60
Office clerks, general.....	41,720	2.3	11.42	23,760	8.36	13.64
General and operations managers.....	38,960	2.1	44.14	91,800	25.72	54.97
Building finishing contractors (NAICS 238300)						
Painters, construction and maintenance.....	152,480	17.3	15.42	32,080	11.32	18.09
Carpenters.....	115,350	13.1	18.76	39,030	13.04	24.12
Drywall and ceiling tile installers.....	93,690	10.7	17.91	37,260	12.74	22.09
First-line supervisors/managers of construction trades and extraction workers.....	38,200	4.3	25.19	52,400	17.69	29.30
Plasterers and stucco masons.....	37,420	4.3	17.31	36,010	12.41	20.92
Construction laborers.....	35,590	4.1	12.97	26,980	9.35	15.05
Insulation workers.....	30,690	3.5	15.22	31,660	10.06	18.08
Tile and marble setters.....	29,770	3.4	18.06	37,560	12.96	22.11
Tapers.....	29,620	3.4	19.33	40,200	14.35	24.52
Helpers--painters, paperhangers, plasterers, and stucco masons.....	20,710	2.4	10.90	22,680	8.04	11.76
Other specialty trade contractors (NAICS 238900)						
Construction laborers.....	119,300	19.8	13.99	29,090	9.71	17.18
Operating engineers and other construction equipment operators.....	73,900	12.3	19.00	39,510	13.26	24.13
Cement masons and concrete finishers.....	40,600	6.7	16.96	35,280	11.93	20.48
Truck drivers, heavy and tractor-trailer.....	38,560	6.4	15.41	32,060	11.93	17.81
First-line supervisors/managers of construction trades and extraction workers.....	32,770	5.4	24.05	50,030	17.58	27.64
Excavating and loading machine and dragline operators.....	21,360	3.5	17.55	36,510	12.67	22.04
Fence erectors.....	15,960	2.7	11.92	24,800	9.02	14.09
Paving, surfacing, and tamping equipment operators.....	14,240	2.4	16.55	34,430	11.09	19.86
Carpenters.....	14,200	2.4	18.29	38,040	12.70	23.49
General and operations managers.....	12,140	2.0	40.47	84,180	23.95	48.43
Animal food manufacturing (NAICS 311100)						
Truck drivers, heavy and tractor-trailer.....	3,990	8.0	14.77	30,720	11.92	17.27
Packaging and filling machine operators and tenders.....	3,160	6.3	12.40	25,790	9.48	14.99
Laborers and freight, stock, and material movers, hand.....	2,810	5.6	10.91	22,700	8.14	12.97
Industrial truck and tractor operators.....	2,420	4.8	13.43	27,930	11.64	15.29
Mixing and blending machine setters, operators, and tenders.....	2,350	4.7	12.50	26,010	9.90	14.57
First-line supervisors/managers of production and operating workers.....	2,060	4.1	20.18	41,980	14.61	24.19
Sales representatives, wholesale and manufacturing, except technical and scientific products.....	1,700	3.4	23.92	49,760	15.65	30.19
Maintenance and repair workers, general.....	1,690	3.4	15.96	33,200	12.84	18.72
Food batchmakers.....	1,560	3.1	12.20	25,390	9.57	14.68
Crushing, grinding, and polishing machine setters, operators, and tenders.....	1,410	2.8	11.83	24,600	9.31	14.02
Grain and oilseed milling (NAICS 311200)						
Packaging and filling machine operators and tenders.....	6,140	10.0	14.70	30,570	10.42	18.25
First-line supervisors/managers of production and operating workers.....	3,040	4.9	22.45	46,690	16.06	27.66
Food batchmakers.....	2,460	4.0	13.15	27,350	9.66	15.90
Industrial truck and tractor operators.....	2,400	3.9	15.01	31,220	11.53	18.11
Separating, filtering, clarifying, precipitating, and still machine setters, operators, and tenders.....	2,220	3.6	15.48	32,210	12.25	19.28
Maintenance and repair workers, general.....	2,180	3.5	16.99	35,340	13.83	20.33
Laborers and freight, stock, and material movers, hand.....	2,070	3.4	12.40	25,780	9.09	15.26
Crushing, grinding, and polishing machine setters, operators, and tenders.....	1,800	2.9	13.95	29,020	11.64	16.42
Packers and packagers, hand.....	1,670	2.7	11.49	23,900	8.91	13.72
Industrial machinery mechanics.....	1,670	2.7	18.14	37,730	15.25	21.22
Sugar and confectionery product manufacturing (NAICS 311300)						
Packers and packagers, hand.....	7,870	9.0	10.21	21,240	7.81	12.05
Food batchmakers.....	7,600	8.7	11.14	23,180	8.25	13.64
Packaging and filling machine operators and tenders.....	7,420	8.4	12.44	25,880	9.32	15.46
Helpers--production workers.....	4,340	4.9	10.63	22,110	7.68	13.01
Retail salespersons.....	3,550	4.0	8.14	16,940	6.79	8.74
Cashiers.....	2,530	2.9	7.72	16,050	6.47	8.62
Maintenance and repair workers, general.....	2,490	2.8	17.31	36,010	14.63	20.35
First-line supervisors/managers of production and operating workers.....	2,400	2.7	22.27	46,330	15.93	26.38
Laborers and freight, stock, and material movers, hand.....	2,190	2.5	10.68	22,220	8.44	12.57
Mixing and blending machine setters, operators, and tenders.....	2,150	2.5	14.38	29,910	11.86	16.74

¹See footnotes at end of table.

Table 2. National employment and wage data for the 10 largest occupations by industry from the Occupational Employment Statistics survey, May 2003 - Continued

Occupation	Employment	Percent of industry employment	Mean wages		Percentiles	
			Hourly	Annual ¹	25th	75th
Fruit and vegetable preserving and specialty food manufacturing (NAICS 311400)						
Packaging and filling machine operators and tenders.....	23,050	12.8	\$ 11.47	\$ 23,850	\$ 8.51	\$ 13.90
Helpers--production workers.....	10,120	5.6	10.37	21,570	7.63	12.54
Industrial truck and tractor operators.....	10,030	5.6	13.07	27,190	10.97	15.47
Laborers and freight, stock, and material movers, hand.....	9,360	5.2	10.27	21,360	7.77	12.05
Food batchmakers.....	9,050	5.0	11.95	24,860	8.98	14.99
Packers and packagers, hand.....	8,670	4.8	9.83	20,440	7.87	11.44
Inspectors, testers, sorters, samplers, and weighers.....	7,340	4.1	11.92	24,800	8.96	13.97
Food cooking machine operators and tenders.....	6,400	3.6	12.32	25,620	9.78	14.49
Maintenance and repair workers, general.....	5,930	3.3	16.51	34,340	13.85	19.55
First-line supervisors/managers of production and operating workers.....	5,650	3.1	20.06	41,730	14.74	24.72
Dairy product manufacturing (NAICS 311500)						
Packaging and filling machine operators and tenders.....	13,820	10.2	13.70	28,490	10.91	16.41
Food batchmakers.....	8,450	6.3	12.63	26,270	9.80	15.40
Laborers and freight, stock, and material movers, hand.....	8,220	6.1	13.33	27,730	10.69	15.86
Helpers--production workers.....	6,860	5.1	12.24	25,450	10.08	13.87
Packers and packagers, hand.....	6,780	5.0	10.33	21,490	7.82	12.58
Truck drivers, heavy and tractor-trailer.....	6,330	4.7	17.45	36,290	14.54	20.67
Industrial truck and tractor operators.....	5,230	3.9	14.23	29,590	12.11	16.52
First-line supervisors/managers of production and operating workers.....	4,790	3.6	21.24	44,180	16.17	25.80
Separating, filtering, clarifying, precipitating, and still machine setters, operators, and tenders.....	4,490	3.3	14.39	29,930	12.05	16.79
Driver/sales workers.....	4,130	3.1	16.75	34,850	13.15	20.29
Animal slaughtering and processing (NAICS 311600)						
Slaughtering and meat packers.....	118,460	22.9	9.94	20,680	8.53	11.14
Meat, poultry, and fish cutters and trimmers.....	109,150	21.1	8.90	18,520	7.72	10.00
Packaging and filling machine operators and tenders.....	20,460	4.0	10.10	21,000	8.10	11.27
Laborers and freight, stock, and material movers, hand.....	18,710	3.6	9.81	20,400	8.20	10.93
Packers and packagers, hand.....	16,090	3.1	9.32	19,380	7.70	10.69
First-line supervisors/managers of production and operating workers.....	15,540	3.0	18.70	38,900	14.77	21.85
Butchers and meat cutters.....	15,000	2.9	10.54	21,920	8.57	12.05
Helpers--production workers.....	11,210	2.2	9.17	19,070	7.54	10.44
Maintenance and repair workers, general.....	11,050	2.1	14.26	29,660	11.72	16.40
Inspectors, testers, sorters, samplers, and weighers.....	8,700	1.7	11.22	23,340	9.19	12.67
Seafood product preparation and packaging (NAICS 311700)						
Meat, poultry, and fish cutters and trimmers.....	9,160	22.5	8.89	18,500	7.02	9.91
Packers and packagers, hand.....	3,760	9.2	8.58	17,840	6.94	9.77
Laborers and freight, stock, and material movers, hand.....	2,660	6.5	9.39	19,520	7.11	10.96
Packaging and filling machine operators and tenders.....	2,120	5.2	8.49	17,660	6.55	9.58
First-line supervisors/managers of production and operating workers.....	1,380	3.4	19.15	39,840	12.17	24.38
Food batchmakers.....	1,250	3.1	10.54	21,930	8.01	12.56
Food preparation workers.....	1,110	2.7	8.40	17,480	6.53	9.94
Graders and sorters, agricultural products.....	1,060	2.6	7.85	16,320	6.33	8.92
Slaughtering and meat packers.....	860	2.1	7.67	15,950	6.37	8.54
Cooling and freezing equipment operators and tenders.....	810	2.0	8.30	17,260	6.22	9.03
Bakeries and tortilla manufacturing (NAICS 311800)						
Bakers.....	47,260	16.0	11.58	24,080	8.25	14.09
Packers and packagers, hand.....	20,930	7.1	10.18	21,170	7.62	12.27
Helpers--production workers.....	14,390	4.9	11.80	24,550	8.60	14.70
Cashiers.....	14,190	4.8	8.12	16,890	6.75	8.82
Packaging and filling machine operators and tenders.....	13,970	4.7	12.36	25,700	9.41	14.88
Food batchmakers.....	13,480	4.6	10.94	22,750	7.77	13.63
First-line supervisors/managers of production and operating workers.....	9,600	3.2	19.94	41,480	15.10	23.76
Driver/sales workers.....	8,490	2.9	16.28	33,850	11.93	20.12
Combined food preparation and serving workers, including fast food.....	8,470	2.9	7.88	16,380	6.91	8.58
Retail salespersons.....	8,450	2.9	10.10	21,000	6.79	9.33
Other food manufacturing (NAICS 311900)						
Packaging and filling machine operators and tenders.....	13,920	9.2	12.41	25,810	9.46	15.31
Packers and packagers, hand.....	13,810	9.1	10.98	22,840	8.40	13.43
Food batchmakers.....	9,330	6.1	11.74	24,420	8.39	14.49
Industrial truck and tractor operators.....	6,210	4.1	13.38	27,820	11.10	15.85
First-line supervisors/managers of production and operating workers.....	4,840	3.2	21.15	43,980	15.11	25.93
Laborers and freight, stock, and material movers, hand.....	4,830	3.2	11.02	22,920	8.50	13.09
Helpers--production workers.....	4,300	2.8	10.00	20,790	8.23	11.17
Maintenance and repair workers, general.....	3,680	2.4	17.63	36,660	14.50	20.84
Sales representatives, wholesale and manufacturing, except technical and scientific products.....	3,660	2.4	27.29	56,750	17.29	35.52
Food cooking machine operators and tenders.....	3,440	2.3	11.04	22,960	8.43	13.47

See footnotes at end of table.

Table 2. National employment and wage data for the 10 largest occupations by industry from the Occupational Employment Statistics survey, May 2003 - Continued

Occupation	Employment	Percent of industry employment	Mean wages		Percentiles	
			Hourly	Annual ¹	25th	75th
Beverage manufacturing (NAICS 312100)						
Packaging and filling machine operators and tenders.....	19,490	11.3	\$ 13.70	\$ 28,490	\$ 9.74	\$ 16.28
Truck drivers, heavy and tractor-trailer.....	9,300	5.4	16.18	33,640	12.75	19.37
Sales representatives, wholesale and manufacturing, except technical and scientific products.....	8,630	5.0	22.60	47,000	15.08	26.70
Laborers and freight, stock, and material movers, hand.....	8,390	4.9	11.69	24,320	8.81	14.01
Industrial truck and tractor operators.....	7,480	4.3	13.76	28,610	11.38	16.01
Truck drivers, light or delivery services.....	6,300	3.7	13.82	28,740	10.31	16.93
First-line supervisors/managers of production and operating workers.....	4,230	2.5	22.54	46,870	17.53	26.81
Maintenance and repair workers, general.....	4,120	2.4	18.31	38,090	14.66	21.87
Separating, filtering, clarifying, precipitating, and still machine setters, operators, and tenders.....	3,940	2.3	16.18	33,650	11.75	19.16
Coin, vending, and amusement machine servicers and repairers.....	3,240	1.9	14.90	31,000	12.59	17.31
Tobacco manufacturing (NAICS 312200)						
Helpers--production workers.....	3,210	10.8	13.52	28,130	9.01	18.94
Packaging and filling machine operators and tenders.....	2,510	8.4	23.58	49,060	16.65	31.08
Industrial machinery mechanics.....	1,660	5.6	21.99	45,740	15.46	27.30
Extruding, forming, pressing, and compacting machine setters, operators, and tenders.....	1,600	5.4	17.78	36,980	10.48	24.84
Laborers and freight, stock, and material movers, hand.....	1,370	4.6	10.75	22,350	7.74	13.67
Separating, filtering, clarifying, precipitating, and still machine setters, operators, and tenders.....	1,370	4.6	25.36	52,750	23.42	31.21
Industrial truck and tractor operators.....	1,240	4.2	12.67	26,360	8.91	16.62
Inspectors, testers, sorters, samplers, and weighers.....	1,080	3.6	13.72	28,540	9.37	16.99
First-line supervisors/managers of production and operating workers.....	930	3.1	22.83	47,480	16.02	29.86
Mixing and blending machine setters, operators, and tenders.....	590	2.0	13.23	27,530	8.85	17.28
Fiber, yarn, and thread mills (NAICS 313100)						
Textile winding, twisting, and drawing out machine setters, operators, and tenders.....	24,550	40.4	10.40	21,620	9.48	11.36
Textile knitting and weaving machine setters, operators, and tenders.....	3,900	6.4	11.37	23,650	9.97	12.88
Industrial machinery mechanics.....	2,770	4.6	13.72	28,540	12.14	15.00
Extruding and forming machine setters, operators, and tenders, synthetic and glass fibers.....	2,390	3.9	11.06	23,010	9.32	12.75
First-line supervisors/managers of production and operating workers.....	2,360	3.9	19.87	41,340	15.95	22.76
Maintenance and repair workers, general.....	2,020	3.3	13.59	28,260	11.91	15.34
Laborers and freight, stock, and material movers, hand.....	1,400	2.3	10.22	21,250	9.25	11.11
Inspectors, testers, sorters, samplers, and weighers.....	1,370	2.3	11.45	23,820	10.03	12.89
Industrial truck and tractor operators.....	1,210	2.0	11.00	22,880	9.73	12.53
Packers and packagers, hand.....	1,090	1.8	9.55	19,870	8.85	10.49
Fabric mills (NAICS 313200)						
Textile knitting and weaving machine setters, operators, and tenders.....	25,480	18.5	11.78	24,500	10.07	13.37
Textile winding, twisting, and drawing out machine setters, operators, and tenders.....	13,430	9.8	10.72	22,290	9.36	12.06
Inspectors, testers, sorters, samplers, and weighers.....	6,480	4.7	10.92	22,720	9.33	12.37
Textile bleaching and dyeing machine operators and tenders.....	5,440	4.0	10.93	22,730	9.44	12.30
First-line supervisors/managers of production and operating workers.....	5,220	3.8	19.98	41,550	15.73	23.14
Sewing machine operators.....	4,880	3.5	9.94	20,670	7.67	11.27
Industrial machinery mechanics.....	4,430	3.2	15.61	32,460	12.92	17.47
Extruding and forming machine setters, operators, and tenders, synthetic and glass fibers.....	4,010	2.9	13.94	29,000	11.74	16.46
Laborers and freight, stock, and material movers, hand.....	3,980	2.9	10.60	22,050	9.05	11.62
Helpers--production workers.....	3,360	2.4	10.07	20,950	8.48	11.17
Textile and fabric finishing and fabric coating mills (NAICS 313300)						
Textile bleaching and dyeing machine operators and tenders.....	10,380	13.3	10.77	22,400	8.55	12.55
Inspectors, testers, sorters, samplers, and weighers.....	3,860	5.0	10.93	22,740	9.26	12.31
Sewing machine operators.....	3,520	4.5	9.49	19,730	8.01	10.83
Textile winding, twisting, and drawing out machine setters, operators, and tenders.....	3,470	4.5	10.21	21,230	9.36	11.04
First-line supervisors/managers of production and operating workers.....	3,440	4.4	19.44	40,430	14.69	22.74
Laborers and freight, stock, and material movers, hand.....	2,520	3.2	10.03	20,860	8.65	11.07
Packers and packagers, hand.....	2,420	3.1	9.65	20,070	7.73	10.75
Printing machine operators.....	2,360	3.0	11.39	23,690	8.59	13.42
Textile cutting machine setters, operators, and tenders.....	2,100	2.7	11.17	23,240	8.85	13.34
Shipping, receiving, and traffic clerks.....	2,060	2.6	12.05	25,070	9.64	14.07
Textile furnishings mills (NAICS 314100)						
Sewing machine operators.....	20,610	18.6	9.16	19,050	7.49	10.42
Textile winding, twisting, and drawing out machine setters, operators, and tenders.....	7,030	6.4	11.14	23,170	10.02	12.44
Inspectors, testers, sorters, samplers, and weighers.....	5,330	4.8	10.54	21,920	9.22	11.87
Packers and packagers, hand.....	4,400	4.0	8.87	18,440	7.48	10.15
Team assemblers.....	4,180	3.8	11.78	24,500	9.08	14.60
Textile knitting and weaving machine setters, operators, and tenders.....	3,910	3.5	12.01	24,990	9.89	14.03
First-line supervisors/managers of production and operating workers.....	3,850	3.5	18.56	38,610	13.79	22.35
Laborers and freight, stock, and material movers, hand.....	3,730	3.4	9.16	19,050	7.58	10.65
Textile cutting machine setters, operators, and tenders.....	3,480	3.1	10.00	20,810	8.00	11.32
Industrial truck and tractor operators.....	3,400	3.1	11.35	23,610	9.81	12.89

See footnotes at end of table.

Table 2. National employment and wage data for the 10 largest occupations by industry from the Occupational Employment Statistics survey, May 2003 - Continued

Occupation	Employment	Percent of industry employment	Mean wages		Percentiles	
			Hourly	Annual ¹	25th	75th
Other textile product mills (NAICS 314900)						
Sewing machine operators.....	21,960	28.1	\$ 9.35	\$ 19,450	\$ 7.55	\$ 10.70
Team assemblers.....	4,570	5.9	10.76	22,380	8.21	12.74
First-line supervisors/managers of production and operating workers.....	3,550	4.6	18.45	38,370	13.21	21.99
Textile winding, twisting, and drawing out machine setters, operators, and tenders.....	2,770	3.6	10.93	22,740	8.70	13.14
Laborers and freight, stock, and material movers, hand.....	1,990	2.6	9.89	20,560	8.02	11.27
Sales representatives, wholesale and manufacturing, except technical and scientific products.....	1,920	2.5	23.49	48,870	14.54	27.60
Textile cutting machine setters, operators, and tenders.....	1,880	2.4	10.15	21,110	7.88	11.97
General and operations managers.....	1,760	2.3	40.99	85,260	22.30	51.81
Inspectors, testers, sorters, samplers, and weighers.....	1,660	2.1	10.27	21,370	7.65	12.46
Shipping, receiving, and traffic clerks.....	1,550	2.0	10.88	22,640	8.78	12.48
Apparel knitting mills (NAICS 315100)						
Sewing machine operators.....	8,580	18.1	8.85	18,410	7.34	10.32
Textile knitting and weaving machine setters, operators, and tenders.....	6,190	13.1	10.18	21,180	8.63	11.36
Inspectors, testers, sorters, samplers, and weighers.....	2,720	5.7	9.27	19,280	7.92	10.59
Packers and packagers, hand.....	2,610	5.5	8.88	18,470	7.28	10.34
Industrial machinery mechanics.....	2,200	4.6	13.21	27,490	11.66	14.52
Pressers, textile, garment, and related materials.....	2,020	4.3	9.65	20,070	8.70	10.84
Laborers and freight, stock, and material movers, hand.....	1,810	3.8	9.13	18,980	7.80	10.20
Textile bleaching and dyeing machine operators and tenders.....	1,810	3.8	10.25	21,320	8.70	11.46
First-line supervisors/managers of production and operating workers.....	1,480	3.1	16.59	34,510	12.35	19.14
Team assemblers.....	1,260	2.7	11.18	23,260	8.61	12.64
Cut and sew apparel manufacturing (NAICS 315200)						
Sewing machine operators.....	112,510	44.0	8.31	17,270	6.97	9.11
Inspectors, testers, sorters, samplers, and weighers.....	8,170	3.2	9.44	19,630	7.19	10.64
First-line supervisors/managers of production and operating workers.....	7,780	3.0	16.99	35,340	11.57	20.40
Shipping, receiving, and traffic clerks.....	7,060	2.8	10.25	21,310	7.89	11.46
Pressers, textile, garment, and related materials.....	7,050	2.8	9.19	19,120	7.15	10.71
Textile cutting machine setters, operators, and tenders.....	6,730	2.6	10.05	20,900	7.54	11.90
Laborers and freight, stock, and material movers, hand.....	6,420	2.5	9.06	18,850	7.36	10.41
Sewers, hand.....	6,240	2.4	9.01	18,740	7.28	9.39
Packers and packagers, hand.....	5,950	2.3	8.86	18,430	7.10	10.39
Sales representatives, wholesale and manufacturing, except technical and scientific products.....	4,010	1.6	31.75	66,030	17.66	42.77
Apparel accessories and other apparel manufacturing (NAICS 315900)						
Sewing machine operators.....	8,920	35.2	8.25	17,150	6.83	9.31
Team assemblers.....	1,660	6.6	8.79	18,290	7.12	10.01
Sewers, hand.....	1,260	5.0	7.75	16,110	6.08	8.77
First-line supervisors/managers of production and operating workers.....	1,100	4.4	16.62	34,560	11.49	20.41
Textile cutting machine setters, operators, and tenders.....	700	2.8	9.19	19,110	7.15	10.68
Packers and packagers, hand.....	650	2.6	8.38	17,440	7.05	9.55
Shipping, receiving, and traffic clerks.....	650	2.6	10.12	21,050	8.00	11.67
Inspectors, testers, sorters, samplers, and weighers.....	530	2.1	8.62	17,920	7.07	9.72
Sales representatives, wholesale and manufacturing, except technical and scientific products.....	500	2.0	23.27	48,400	12.47	29.51
General and operations managers.....	460	1.8	44.41	92,370	23.67	57.41
Leather and hide tanning and finishing (NAICS 316100)						
Machine feeders and offbearers.....	760	8.9	11.55	24,030	9.58	13.60
Shoe and leather workers and repairers.....	720	8.4	12.49	25,990	8.94	15.73
Team assemblers.....	520	6.1	14.81	30,800	8.79	19.86
First-line supervisors/managers of production and operating workers.....	330	3.9	19.79	41,170	15.71	23.07
Laborers and freight, stock, and material movers, hand.....	290	3.4	9.96	20,730	7.78	11.61
Laundry and dry-cleaning workers.....	270	3.2	7.45	15,490	6.28	7.85
Helpers--production workers.....	230	2.7	9.63	20,030	6.78	12.18
Coating, painting, and spraying machine setters, operators, and tenders.....	210	2.5	13.23	27,520	11.20	15.50
Maintenance and repair workers, general.....	170	2.0	14.95	31,090	12.11	17.22
Inspectors, testers, sorters, samplers, and weighers.....	140	1.6	12.82	26,670	9.52	16.40
Footwear manufacturing (NAICS 316200)						
Shoe machine operators and tenders.....	5,070	26.1	10.22	21,270	8.07	11.91
Sewing machine operators.....	1,810	9.3	9.60	19,970	7.87	10.94
Shoe and leather workers and repairers.....	1,400	7.2	9.80	20,380	8.28	10.91
Team assemblers.....	1,280	6.6	10.84	22,550	8.09	12.60
Laborers and freight, stock, and material movers, hand.....	710	3.7	9.79	20,360	7.47	12.19
First-line supervisors/managers of production and operating workers.....	580	3.0	18.75	39,000	13.92	22.27
Textile cutting machine setters, operators, and tenders.....	520	2.7	8.78	18,270	6.73	10.82
Shipping, receiving, and traffic clerks.....	410	2.1	11.13	23,140	9.35	12.77
Stock clerks and order fillers.....	380	2.0	10.19	21,200	8.54	11.32
Inspectors, testers, sorters, samplers, and weighers.....	350	1.8	9.27	19,280	7.65	10.73

See footnotes at end of table.

Table 2. National employment and wage data for the 10 largest occupations by industry from the Occupational Employment Statistics survey, May 2003 - Continued

Occupation	Employment	Percent of industry employment	Mean wages		Percentiles	
			Hourly	Annual ¹	25th	75th
Other leather and allied product manufacturing (NAICS 316900)						
Sewing machine operators.....	3,870	20.1	\$ 9.14	\$ 19,000	\$ 7.40	\$ 10.51
Team assemblers.....	2,380	12.4	9.30	19,340	7.32	10.77
Shoe and leather workers and repairers.....	1,620	8.4	9.31	19,370	7.30	10.77
Laborers and freight, stock, and material movers, hand.....	860	4.5	9.61	20,000	7.55	11.31
First-line supervisors/managers of production and operating workers.....	770	4.0	17.98	37,400	12.50	21.62
Shipping, receiving, and traffic clerks.....	750	3.9	10.92	22,720	8.08	12.61
Packers and packagers, hand.....	590	3.1	8.05	16,740	6.92	8.81
Sales representatives, wholesale and manufacturing, except technical and scientific products.....	420	2.2	25.08	52,160	15.02	32.47
General and operations managers.....	390	2.0	39.78	82,750	21.50	51.45
Cutting and slicing machine setters, operators, and tenders.....	360	1.9	8.92	18,540	7.12	10.36
Sawmills and wood preservation (NAICS 321100)						
Laborers and freight, stock, and material movers, hand.....	14,470	12.3	9.64	20,050	7.68	11.11
Sawing machine setters, operators, and tenders, wood.....	13,050	11.1	12.00	24,960	9.22	14.28
Industrial truck and tractor operators.....	8,270	7.0	11.69	24,320	9.52	13.63
Machine feeders and offbearers.....	7,900	6.7	10.89	22,650	8.36	12.86
Woodworking machine setters, operators, and tenders, except sawing.....	6,940	5.9	11.37	23,650	8.77	13.48
Helpers--production workers.....	4,880	4.1	9.84	20,470	7.96	11.16
First-line supervisors/managers of production and operating workers.....	3,610	3.1	21.01	43,700	15.56	25.58
Truck drivers, heavy and tractor-trailer.....	3,320	2.8	13.53	28,140	10.37	16.25
Logging equipment operators.....	3,040	2.6	11.95	24,850	9.33	14.04
Inspectors, testers, sorters, samplers, and weighers.....	2,820	2.4	14.24	29,610	11.57	16.55
Veneer, plywood, and engineered wood product manufacturing (NAICS 321200)						
Team assemblers.....	15,830	13.9	10.99	22,870	8.71	12.97
Woodworking machine setters, operators, and tenders, except sawing.....	8,120	7.1	11.28	23,450	8.74	13.37
Machine feeders and offbearers.....	6,350	5.6	11.42	23,750	8.89	14.02
Sawing machine setters, operators, and tenders, wood.....	6,010	5.3	11.39	23,690	8.95	13.53
Industrial truck and tractor operators.....	5,060	4.5	12.51	26,020	10.47	14.44
Laborers and freight, stock, and material movers, hand.....	4,520	4.0	10.77	22,390	8.30	13.13
First-line supervisors/managers of production and operating workers.....	4,380	3.9	19.88	41,350	14.71	24.21
Helpers--production workers.....	3,560	3.1	10.16	21,140	8.02	11.85
Carpenters.....	3,140	2.8	11.80	24,540	8.93	13.53
Cabinetmakers and bench carpenters.....	2,440	2.2	10.50	21,850	8.06	11.57
Other wood product manufacturing (NAICS 321900)						
Team assemblers.....	45,370	14.6	11.15	23,200	8.95	12.98
Woodworking machine setters, operators, and tenders, except sawing.....	26,230	8.5	10.90	22,680	8.66	12.80
Carpenters.....	20,540	6.6	13.55	28,180	10.24	15.68
Cabinetmakers and bench carpenters.....	16,380	5.3	12.09	25,150	8.79	14.49
Sawing machine setters, operators, and tenders, wood.....	15,000	4.8	10.57	21,980	8.36	12.39
Laborers and freight, stock, and material movers, hand.....	13,470	4.3	9.80	20,380	7.82	11.27
First-line supervisors/managers of production and operating workers.....	11,190	3.6	18.83	39,160	13.90	22.34
Machine feeders and offbearers.....	10,360	3.3	9.84	20,470	8.14	11.20
Helpers--production workers.....	9,000	2.9	9.50	19,750	7.58	11.06
Industrial truck and tractor operators.....	8,150	2.6	11.42	23,750	9.41	13.25
Pulp, paper, and paperboard mills (NAICS 322100)						
Paper goods machine setters, operators, and tenders.....	22,500	14.5	17.35	36,090	13.90	20.77
Maintenance and repair workers, general.....	6,890	4.4	21.56	44,840	17.80	25.98
Helpers--production workers.....	6,580	4.2	14.23	29,590	11.22	17.20
First-line supervisors/managers of production and operating workers.....	5,250	3.4	29.58	61,530	21.91	37.47
Industrial machinery mechanics.....	4,940	3.2	22.11	45,980	18.36	26.16
Laborers and freight, stock, and material movers, hand.....	4,880	3.1	14.49	30,140	11.43	17.74
Industrial truck and tractor operators.....	4,500	2.9	16.04	33,370	12.80	19.44
Millwrights.....	3,800	2.5	22.91	47,650	19.70	26.62
Electricians.....	3,280	2.1	23.16	48,170	19.66	26.88
Packaging and filling machine operators and tenders.....	3,030	2.0	18.44	38,360	13.32	22.89
Converted paper product manufacturing (NAICS 322200)						
Paper goods machine setters, operators, and tenders.....	68,630	18.5	13.68	28,450	11.21	16.18
Helpers--production workers.....	22,570	6.1	11.22	23,330	9.11	13.25
Printing machine operators.....	17,160	4.6	15.52	32,280	12.30	18.44
Industrial truck and tractor operators.....	16,010	4.3	13.73	28,560	11.76	15.85
Packers and packagers, hand.....	15,220	4.1	10.48	21,790	8.54	12.34
First-line supervisors/managers of production and operating workers.....	14,500	3.9	23.30	48,470	18.02	27.45
Machine feeders and offbearers.....	12,330	3.3	11.80	24,540	9.70	13.74
Cutting and slicing machine setters, operators, and tenders.....	11,990	3.2	14.15	29,430	11.50	16.59
Laborers and freight, stock, and material movers, hand.....	10,610	2.9	11.50	23,920	9.09	13.73
Team assemblers.....	9,820	2.7	12.07	25,100	8.89	14.92

See footnotes at end of table.

Table 2. National employment and wage data for the 10 largest occupations by industry from the Occupational Employment Statistics survey, May 2003 - Continued

Occupation	Employment	Percent of industry employment	Mean wages		Percentiles	
			Hourly	Annual ¹	25th	75th
Printing and related support activities (NAICS 323100)						
Printing machine operators.....	94,420	13.7	\$ 15.76	\$ 32,770	\$ 11.32	\$ 19.61
Bindery workers.....	60,570	8.8	12.25	25,480	9.04	14.77
Prepress technicians and workers.....	48,050	7.0	16.81	34,950	12.32	20.79
Job printers.....	38,630	5.6	15.89	33,060	11.54	19.68
First-line supervisors/managers of production and operating workers.....	28,110	4.1	23.49	48,850	17.09	28.25
Customer service representatives.....	25,750	3.7	15.75	32,760	11.55	18.98
Helpers--production workers.....	21,670	3.2	10.60	22,040	8.38	12.49
Sales representatives, wholesale and manufacturing, except technical and scientific products.....	21,290	3.1	29.88	62,140	17.20	35.41
Machine feeders and offbearers.....	16,400	2.4	11.16	23,210	8.99	12.75
General and operations managers.....	14,330	2.1	44.32	92,180	25.23	55.63
Petroleum and coal products manufacturing (NAICS 324100)						
Petroleum pump system operators, refinery operators, and gaugers.....	19,670	16.5	24.51	50,970	22.76	27.43
First-line supervisors/managers of production and operating workers.....	5,330	4.5	29.25	60,840	21.43	37.58
Maintenance and repair workers, general.....	3,610	3.0	20.74	43,130	17.42	25.04
Truck drivers, heavy and tractor-trailer.....	3,590	3.0	15.75	32,750	11.73	19.26
Industrial machinery mechanics.....	3,220	2.7	22.68	47,180	19.03	26.75
Mixing and blending machine setters, operators, and tenders.....	2,930	2.5	14.40	29,950	10.10	17.29
Inspectors, testers, sorters, samplers, and weighers.....	1,950	1.6	18.28	38,020	12.65	23.72
Laborers and freight, stock, and material movers, hand.....	1,930	1.6	12.45	25,890	8.99	15.67
First-line supervisors/managers of mechanics, installers, and repairers.....	1,810	1.5	32.39	67,360	26.84	39.31
Office clerks, general.....	1,800	1.5	15.66	32,570	11.00	20.08
Basic chemical manufacturing (NAICS 325100)						
Chemical plant and system operators.....	22,450	13.6	21.93	45,620	18.61	25.90
Chemical equipment operators and tenders.....	14,490	8.8	20.27	42,150	16.92	24.27
Maintenance and repair workers, general.....	7,010	4.2	20.43	42,490	16.96	24.46
First-line supervisors/managers of production and operating workers.....	6,900	4.2	28.65	59,590	21.89	35.48
Chemical technicians.....	6,680	4.0	21.11	43,910	17.12	25.29
Industrial machinery mechanics.....	4,940	3.0	22.11	46,000	19.23	25.95
Chemical engineers.....	4,820	2.9	36.59	76,100	29.56	43.85
Chemists.....	4,100	2.5	29.07	60,460	21.53	34.97
Mixing and blending machine setters, operators, and tenders.....	3,710	2.2	15.73	32,730	12.28	18.67
Truck drivers, heavy and tractor-trailer.....	3,310	2.0	18.92	39,350	14.94	23.10
Resin, rubber, and artificial fibers manufacturing (NAICS 325200)						
Chemical plant and system operators.....	9,750	8.7	21.88	45,510	18.36	26.08
Chemical equipment operators and tenders.....	8,910	7.9	19.85	41,290	15.34	24.20
Extruding and forming machine setters, operators, and tenders, synthetic and glass fibers.....	5,260	4.7	16.31	33,930	14.22	17.82
First-line supervisors/managers of production and operating workers.....	4,660	4.2	26.70	55,530	19.53	33.32
Chemical technicians.....	4,420	3.9	21.67	45,070	17.60	25.58
Textile winding, twisting, and drawing out machine setters, operators, and tenders.....	3,660	3.3	18.16	37,770	13.62	23.42
Maintenance and repair workers, general.....	3,470	3.1	19.08	39,690	15.66	22.80
Industrial machinery mechanics.....	2,940	2.6	20.27	42,170	16.52	24.30
Mixing and blending machine setters, operators, and tenders.....	2,520	2.2	15.37	31,980	11.89	18.13
Inspectors, testers, sorters, samplers, and weighers.....	2,060	1.8	16.67	34,670	12.22	21.14
Pesticide, fertilizer, and other agricultural chemical manufacturing (NAICS 325300)						
Chemical plant and system operators.....	5,800	13.4	21.20	44,090	18.12	24.31
Maintenance and repair workers, general.....	2,640	6.1	18.97	39,470	17.30	21.62
First-line supervisors/managers of production and operating workers.....	2,060	4.8	25.36	52,740	18.47	31.87
Mixing and blending machine setters, operators, and tenders.....	1,870	4.3	13.43	27,930	9.50	16.04
Chemical equipment operators and tenders.....	1,650	3.8	20.41	42,440	17.37	23.86
Truck drivers, heavy and tractor-trailer.....	1,230	2.8	15.20	31,620	11.32	18.51
Laborers and freight, stock, and material movers, hand.....	1,160	2.7	11.14	23,170	8.49	12.92
Packaging and filling machine operators and tenders.....	1,110	2.6	10.49	21,830	8.10	12.51
Industrial truck and tractor operators.....	900	2.1	12.33	25,640	9.81	14.00
Chemical technicians.....	870	2.0	20.46	42,560	16.70	24.25
Pharmaceutical and medicine manufacturing (NAICS 325400)						
Packaging and filling machine operators and tenders.....	20,090	6.9	13.31	27,670	9.96	16.12
Chemists.....	14,080	4.8	28.40	59,060	20.41	35.02
Chemical equipment operators and tenders.....	10,130	3.5	18.42	38,310	14.34	21.97
Medical scientists, except epidemiologists.....	9,970	3.4	37.22	77,420	27.32	44.76
First-line supervisors/managers of production and operating workers.....	8,460	2.9	26.81	55,760	18.94	30.99
Inspectors, testers, sorters, samplers, and weighers.....	8,000	2.7	15.53	32,300	11.90	18.33
Mixing and blending machine setters, operators, and tenders.....	7,550	2.6	14.56	30,290	11.23	17.36
Biological technicians.....	6,880	2.4	19.32	40,190	14.74	22.68
Sales representatives, wholesale and manufacturing, technical and scientific products.....	6,260	2.1	32.82	68,260	23.91	40.18
Maintenance and repair workers, general.....	5,580	1.9	19.72	41,010	16.66	22.99

See footnotes at end of table.

Table 2. National employment and wage data for the 10 largest occupations by industry from the Occupational Employment Statistics survey, May 2003 - Continued

Occupation	Employment	Percent of industry employment	Mean wages		Percentiles	
			Hourly	Annual ¹	25th	75th
Paint, coating, and adhesive manufacturing (NAICS 325500)						
Mixing and blending machine setters, operators, and tenders.....	8,520	12.1	\$ 14.65	\$ 30,480	\$ 11.40	\$ 17.28
Packaging and filling machine operators and tenders.....	5,240	7.5	13.12	27,290	10.00	16.18
First-line supervisors/managers of production and operating workers.....	2,770	3.9	23.36	48,590	18.17	27.90
Chemists.....	2,610	3.7	28.45	59,170	20.71	34.29
Chemical technicians.....	2,180	3.1	18.07	37,580	14.58	21.40
Helpers--production workers.....	2,130	3.0	11.56	24,050	8.69	13.98
Sales representatives, wholesale and manufacturing, except technical and scientific products.....	2,090	3.0	28.48	59,240	19.12	35.42
Shipping, receiving, and traffic clerks.....	2,040	2.9	14.48	30,110	11.20	17.08
Industrial truck and tractor operators.....	1,990	2.8	13.98	29,070	11.18	16.60
Chemical equipment operators and tenders.....	1,960	2.8	17.75	36,920	14.34	21.67
Soap, cleaning compound, and toilet preparation manufacturing (NAICS 325600)						
Packaging and filling machine operators and tenders.....	13,020	11.1	11.86	24,670	8.63	14.64
Team assemblers.....	7,770	6.6	11.27	23,440	8.36	13.40
Mixing and blending machine setters, operators, and tenders.....	7,560	6.4	14.32	29,780	10.75	17.51
Packers and packagers, hand.....	5,330	4.5	9.73	20,240	7.60	11.50
Helpers--production workers.....	4,310	3.7	10.26	21,330	7.44	13.18
Laborers and freight, stock, and material movers, hand.....	3,860	3.3	12.26	25,500	9.58	14.49
First-line supervisors/managers of production and operating workers.....	3,850	3.3	23.38	48,630	16.90	28.49
Industrial truck and tractor operators.....	3,410	2.9	14.50	30,170	11.55	17.12
Shipping, receiving, and traffic clerks.....	2,960	2.5	14.05	29,220	10.64	16.95
Sales representatives, wholesale and manufacturing, except technical and scientific products.....	2,730	2.3	26.90	55,960	16.57	33.25
Other chemical product and preparation manufacturing (NAICS 325900)						
Mixing and blending machine setters, operators, and tenders.....	7,110	6.3	15.15	31,510	11.85	18.18
Chemical plant and system operators.....	4,620	4.1	19.33	40,210	15.22	23.36
First-line supervisors/managers of production and operating workers.....	4,420	3.9	23.26	48,390	17.43	28.28
Inspectors, testers, sorters, samplers, and weighers.....	3,780	3.4	14.99	31,170	11.54	17.11
Maintenance and repair workers, general.....	3,060	2.7	18.22	37,900	15.03	21.40
Shipping, receiving, and traffic clerks.....	2,950	2.6	14.53	30,230	11.55	17.19
General and operations managers.....	2,690	2.4	50.68	105,410	33.92	61.92
Laborers and freight, stock, and material movers, hand.....	2,600	2.3	11.34	23,590	8.35	13.38
Packaging and filling machine operators and tenders.....	2,590	2.3	12.88	26,800	9.65	15.73
Chemical equipment operators and tenders.....	2,390	2.1	17.35	36,090	13.62	20.89
Plastics product manufacturing (NAICS 326100)						
Molding, coremaking, and casting machine setters, operators, and tenders.....	57,720	8.9	11.00	22,890	8.57	12.96
Team assemblers.....	50,350	7.8	10.80	22,470	8.61	12.67
Packers and packagers, hand.....	36,120	5.6	10.00	20,810	8.17	11.45
Extruding and drawing machine setters, operators, and tenders, metal and plastic.....	32,060	4.9	12.47	25,930	9.94	14.58
First-line supervisors/managers of production and operating workers.....	29,790	4.6	20.48	42,590	15.31	24.27
Cutting, punching, and press machine setters, operators, and tenders, metal and plastic.....	20,680	3.2	11.29	23,480	8.82	13.23
Inspectors, testers, sorters, samplers, and weighers.....	19,430	3.0	12.60	26,200	10.06	14.39
Maintenance and repair workers, general.....	17,250	2.7	16.86	35,070	14.12	19.94
Helpers--production workers.....	16,570	2.6	10.10	21,010	7.97	11.73
Laborers and freight, stock, and material movers, hand.....	16,440	2.5	10.94	22,760	8.92	12.73
Rubber product manufacturing (NAICS 326200)						
Team assemblers.....	13,840	7.7	13.92	28,950	10.12	17.69
Extruding, forming, pressing, and compacting machine setters, operators, and tenders.....	13,480	7.5	13.71	28,520	10.47	16.29
Tire builders.....	13,340	7.4	18.22	37,900	13.76	21.97
Inspectors, testers, sorters, samplers, and weighers.....	8,410	4.7	15.20	31,620	11.28	19.51
Molders, shapers, and casters, except metal and plastic.....	8,270	4.6	13.23	27,510	8.40	18.14
First-line supervisors/managers of production and operating workers.....	7,590	4.2	21.15	43,990	16.49	25.30
Molding, coremaking, and casting machine setters, operators, and tenders, metal and plastic.....	5,190	2.9	11.59	24,120	9.60	13.34
Maintenance and repair workers, general.....	5,070	2.8	18.27	38,010	15.11	21.73
Helpers--production workers.....	4,450	2.5	14.59	30,340	10.45	19.38
Laborers and freight, stock, and material movers, hand.....	4,020	2.2	12.59	26,180	9.53	14.30
Clay product and refractory manufacturing (NAICS 327100)						
Molders, shapers, and casters, except metal and plastic.....	5,290	7.6	12.42	25,830	9.11	15.18
Extruding, forming, pressing, and compacting machine setters, operators, and tenders.....	3,810	5.5	12.71	26,440	10.20	14.78
Furnace, kiln, oven, drier, and kettle operators and tenders.....	3,560	5.1	12.60	26,210	9.92	14.65
Laborers and freight, stock, and material movers, hand.....	3,410	4.9	10.50	21,830	8.42	12.23
First-line supervisors/managers of production and operating workers.....	3,140	4.5	21.24	44,180	16.24	25.21
Inspectors, testers, sorters, samplers, and weighers.....	2,870	4.1	13.72	28,540	11.42	16.29
Helpers--production workers.....	2,420	3.5	11.30	23,510	9.32	13.24
Painting, coating, and decorating workers.....	2,030	2.9	10.90	22,680	8.03	13.15
Packers and packagers, hand.....	1,990	2.9	11.30	23,510	8.86	13.65
Industrial truck and tractor operators.....	1,890	2.7	12.51	26,030	10.44	14.03

See footnotes at end of table.

Table 2. National employment and wage data for the 10 largest occupations by industry from the Occupational Employment Statistics survey, May 2003 - Continued

Occupation	Employment	Percent of industry employment	Mean wages		Percentiles	
			Hourly	Annual ¹	25th	75th
Glass and glass product manufacturing (NAICS 327200)						
Team assemblers.....	9,470	7.9	\$ 12.42	\$ 25,830	\$ 9.76	\$ 15.26
Inspectors, testers, sorters, samplers, and weighers.....	7,570	6.3	15.12	31,460	11.89	17.55
Packers and packagers, hand.....	6,430	5.4	11.89	24,730	9.65	14.26
Extruding, forming, pressing, and compacting machine setters, operators, and tenders.....	6,390	5.4	15.44	32,120	12.21	18.13
Laborers and freight, stock, and material movers, hand.....	4,340	3.6	12.30	25,580	9.24	14.94
First-line supervisors/managers of production and operating workers.....	4,060	3.4	22.49	46,780	17.23	27.08
Maintenance and repair workers, general.....	3,590	3.0	17.87	37,160	14.91	20.84
Furnace, kiln, oven, drier, and kettle operators and tenders.....	3,560	3.0	15.29	31,810	12.32	18.02
Industrial truck and tractor operators.....	3,510	2.9	14.87	30,940	12.22	16.95
Extruding and forming machine setters, operators, and tenders, synthetic and glass fibers.....	3,490	2.9	14.12	29,360	12.46	16.30
Cement and concrete product manufacturing (NAICS 327300)						
Truck drivers, heavy and tractor-trailer.....	70,450	30.6	14.97	31,140	11.71	17.51
Laborers and freight, stock, and material movers, hand.....	10,630	4.6	11.40	23,720	8.65	13.54
Cement masons and concrete finishers.....	6,360	2.8	12.49	25,990	9.52	14.87
Molders, shapers, and casters, except metal and plastic.....	6,170	2.7	12.06	25,090	9.61	14.39
Industrial truck and tractor operators.....	5,900	2.6	13.45	27,970	10.69	15.80
Sales representatives, wholesale and manufacturing, except technical and scientific products.....	5,850	2.5	24.75	51,480	16.92	29.28
First-line supervisors/managers of production and operating workers.....	5,760	2.5	21.69	45,110	16.07	26.54
General and operations managers.....	5,290	2.3	43.24	89,940	25.38	53.48
Team assemblers.....	5,180	2.3	12.17	25,310	9.60	14.08
Bus and truck mechanics and diesel engine specialists.....	4,950	2.2	17.13	35,640	13.36	20.41
Lime and gypsum product manufacturing (NAICS 327400)						
Team assemblers.....	1,220	6.5	13.29	27,650	10.13	16.17
Maintenance and repair workers, general.....	1,060	5.7	17.30	35,990	15.32	20.01
First-line supervisors/managers of production and operating workers.....	1,020	5.5	21.79	45,320	17.28	26.59
Industrial truck and tractor operators.....	980	5.3	14.43	30,020	12.38	16.72
Furnace, kiln, oven, drier, and kettle operators and tenders.....	780	4.2	16.74	34,820	14.25	19.89
Molders, shapers, and casters, except metal and plastic.....	620	3.3	11.61	24,140	8.42	14.71
Mixing and blending machine setters, operators, and tenders.....	620	3.3	14.26	29,660	11.77	16.69
Laborers and freight, stock, and material movers, hand.....	540	2.9	11.98	24,910	9.25	14.35
Packaging and filling machine operators and tenders.....	510	2.7	15.37	31,970	12.28	18.17
Helpers--production workers.....	470	2.5	12.74	26,500	10.43	15.57
Other nonmetallic mineral product manufacturing (NAICS 327900)						
First-line supervisors/managers of production and operating workers.....	2,820	4.0	20.99	43,660	15.27	25.67
Team assemblers.....	2,790	3.9	11.23	23,360	8.79	13.04
Laborers and freight, stock, and material movers, hand.....	2,780	3.9	10.84	22,540	8.10	13.08
Cutting and slicing machine setters, operators, and tenders.....	2,750	3.9	12.83	26,690	9.76	15.43
Packaging and filling machine operators and tenders.....	2,640	3.7	14.16	29,460	11.54	16.99
Molders, shapers, and casters, except metal and plastic.....	2,580	3.6	13.47	28,020	9.49	16.94
Grinding and polishing workers, hand.....	2,500	3.5	12.09	25,150	9.11	14.72
Maintenance and repair workers, general.....	2,100	3.0	17.66	36,740	14.32	20.94
Crushing, grinding, and polishing machine setters, operators, and tenders.....	1,940	2.7	13.56	28,200	10.40	16.36
Packers and packagers, hand.....	1,930	2.7	12.74	26,510	8.67	16.17
Iron and steel mills and ferroalloy manufacturing (NAICS 331100)						
Crane and tower operators.....	5,010	4.7	18.38	38,240	15.48	21.34
First-line supervisors/managers of production and operating workers.....	4,780	4.5	25.38	52,790	20.42	29.44
Maintenance and repair workers, general.....	4,440	4.2	20.02	41,630	16.42	23.41
Rolling machine setters, operators, and tenders, metal and plastic.....	3,940	3.7	17.86	37,150	14.29	21.31
Inspectors, testers, sorters, samplers, and weighers.....	3,750	3.5	18.76	39,010	15.16	21.97
Laborers and freight, stock, and material movers, hand.....	3,530	3.3	15.07	31,350	11.46	18.19
Millwrights.....	3,530	3.3	20.81	43,290	18.21	23.23
Metal-refining furnace operators and tenders.....	3,420	3.2	18.00	37,430	14.85	21.18
Production, planning, and expediting clerks.....	3,030	2.9	20.41	42,460	17.95	22.38
Electricians.....	2,700	2.5	21.28	44,270	18.53	23.90
Steel product manufacturing from purchased steel (NAICS 331200)						
Cutting, punching, and press machine setters, operators, and tenders, metal and plastic.....	4,550	7.5	13.53	28,140	11.00	15.87
Extruding and drawing machine setters, operators, and tenders, metal and plastic.....	4,170	6.9	14.56	30,280	11.89	17.38
First-line supervisors/managers of production and operating workers.....	2,800	4.6	22.79	47,400	18.26	27.11
Rolling machine setters, operators, and tenders, metal and plastic.....	2,460	4.1	16.31	33,930	12.81	19.50
Laborers and freight, stock, and material movers, hand.....	2,230	3.7	12.08	25,120	9.59	13.65
Maintenance and repair workers, general.....	2,170	3.6	18.03	37,510	15.03	20.78
Team assemblers.....	1,870	3.1	13.43	27,930	10.83	15.27
Inspectors, testers, sorters, samplers, and weighers.....	1,750	2.9	15.58	32,400	12.57	17.83
Helpers--production workers.....	1,720	2.8	11.67	24,280	9.37	13.83
Industrial truck and tractor operators.....	1,610	2.7	14.21	29,550	11.74	16.52

See footnotes at end of table.

Table 2. National employment and wage data for the 10 largest occupations by industry from the Occupational Employment Statistics survey, May 2003 - Continued

Occupation	Employment	Percent of industry employment	Mean wages		Percentiles	
			Hourly	Annual ¹	25th	75th
Alumina and aluminum production and processing (NAICS 331300)						
Cutting, punching, and press machine setters, operators, and tenders, metal and plastic.....	5,390	7.0	\$ 13.00	\$ 27,050	\$ 10.08	\$ 15.25
First-line supervisors/managers of production and operating workers.....	4,410	5.7	22.01	45,770	16.14	26.71
Maintenance and repair workers, general.....	3,950	5.1	16.98	35,320	14.50	19.92
Extruding and drawing machine setters, operators, and tenders, metal and plastic.....	3,870	5.0	13.53	28,130	11.41	15.85
Metal-refining furnace operators and tenders.....	3,170	4.1	15.27	31,770	12.71	18.04
Packers and packagers, hand.....	2,740	3.6	10.79	22,450	8.77	12.53
Helpers--production workers.....	2,480	3.2	10.97	22,810	8.71	12.96
Laborers and freight, stock, and material movers, hand.....	2,210	2.9	11.60	24,130	8.98	13.64
Industrial truck and tractor operators.....	2,190	2.8	13.40	27,860	11.13	15.82
Rolling machine setters, operators, and tenders, metal and plastic.....	2,020	2.6	15.82	32,910	12.99	18.34
Nonferrous metal (except aluminum) production and processing (NAICS 331400)						
Extruding and drawing machine setters, operators, and tenders, metal and plastic.....	8,220	10.8	14.43	30,010	11.95	16.37
First-line supervisors/managers of production and operating workers.....	3,930	5.2	22.70	47,210	18.01	26.87
Maintenance and repair workers, general.....	2,700	3.6	17.68	36,780	15.23	20.24
Rolling machine setters, operators, and tenders, metal and plastic.....	2,510	3.3	16.36	34,020	13.11	19.31
Team assemblers.....	2,390	3.1	13.99	29,100	10.49	17.32
Inspectors, testers, sorters, samplers, and weighers.....	2,330	3.1	15.96	33,190	12.42	18.15
Metal-refining furnace operators and tenders.....	2,140	2.8	15.60	32,450	12.51	18.03
Helpers--production workers.....	1,820	2.4	11.84	24,620	9.33	14.42
Cutting, punching, and press machine setters, operators, and tenders, metal and plastic.....	1,760	2.3	14.08	29,290	11.46	16.21
Laborers and freight, stock, and material movers, hand.....	1,730	2.3	12.75	26,530	9.90	14.88
Foundries (NAICS 331500)						
Molding, coremaking, and casting machine setters, operators, and tenders, metal and plastic.....	12,890	7.6	14.70	30,570	11.27	17.37
Foundry mold and coremakers.....	12,620	7.4	13.97	29,050	10.62	16.18
Grinding, lapping, polishing, and buffing machine tool setters, operators, and tenders, metal and plastic.....	10,600	6.2	12.73	26,480	10.08	14.60
First-line supervisors/managers of production and operating workers.....	7,550	4.4	22.18	46,120	17.41	26.26
Inspectors, testers, sorters, samplers, and weighers.....	7,460	4.4	14.54	30,250	11.63	16.75
Pourers and casters, metal.....	7,420	4.4	13.53	28,150	11.07	15.65
Maintenance and repair workers, general.....	6,700	3.9	18.81	39,130	14.85	22.27
Cutting, punching, and press machine setters, operators, and tenders, metal and plastic.....	4,910	2.9	12.14	25,250	9.70	13.95
Helpers--production workers.....	4,560	2.7	11.20	23,300	8.71	13.03
Grinding and polishing workers, hand.....	4,530	2.7	11.99	24,940	9.20	13.97
Forging and stamping (NAICS 332100)						
Cutting, punching, and press machine setters, operators, and tenders, metal and plastic.....	14,860	13.5	12.69	26,390	10.07	15.00
Tool and die makers.....	6,020	5.5	20.57	42,780	16.83	24.33
Forging machine setters, operators, and tenders, metal and plastic.....	5,350	4.9	15.77	32,800	12.46	18.46
First-line supervisors/managers of production and operating workers.....	5,010	4.6	23.23	48,310	17.84	27.33
Machinists.....	4,090	3.7	16.30	33,890	12.36	20.11
Inspectors, testers, sorters, samplers, and weighers.....	3,630	3.3	14.83	30,840	11.86	17.18
Team assemblers.....	3,380	3.1	11.63	24,190	8.64	13.50
Maintenance and repair workers, general.....	2,670	2.4	17.84	37,110	14.78	20.72
Shipping, receiving, and traffic clerks.....	2,430	2.2	13.67	28,430	11.25	15.96
Helpers--production workers.....	2,260	2.1	10.50	21,850	8.44	12.21
Cutlery and handtool manufacturing (NAICS 332200)						
Team assemblers.....	4,830	7.8	11.29	23,470	8.86	13.27
Cutting, punching, and press machine setters, operators, and tenders, metal and plastic.....	3,790	6.1	14.31	29,770	11.74	16.93
Machinists.....	3,070	5.0	16.09	33,470	13.07	19.26
Grinding, lapping, polishing, and buffing machine tool setters, operators, and tenders, metal and plastic.....	2,840	4.6	12.81	26,650	10.14	14.75
First-line supervisors/managers of production and operating workers.....	2,820	4.6	21.46	44,630	16.55	24.96
Helpers--production workers.....	1,860	3.0	9.72	20,220	7.91	11.01
Lathe and turning machine tool setters, operators, and tenders, metal and plastic.....	1,810	2.9	13.98	29,080	10.82	16.62
Shipping, receiving, and traffic clerks.....	1,800	2.9	12.35	25,690	9.99	14.28
Packers and packagers, hand.....	1,760	2.8	11.10	23,080	9.38	12.81
Multiple machine tool setters, operators, and tenders, metal and plastic.....	1,750	2.8	13.27	27,600	11.43	14.70
Architectural and structural metals manufacturing (NAICS 332300)						
Welders, cutters, solderers, and brazers.....	39,960	10.4	13.97	29,050	11.41	16.30
Team assemblers.....	30,220	7.8	11.47	23,850	8.84	13.52
Cutting, punching, and press machine setters, operators, and tenders, metal and plastic.....	23,500	6.1	12.58	26,160	9.86	14.81
Structural metal fabricators and fitters.....	21,690	5.6	14.03	29,180	10.83	16.59
Sheet metal workers.....	18,930	4.9	16.79	34,930	11.04	21.38
First-line supervisors/managers of production and operating workers.....	15,630	4.1	22.16	46,100	16.40	25.90
Laborers and freight, stock, and material movers, hand.....	12,100	3.1	11.62	24,160	8.44	13.05
Helpers--production workers.....	10,640	2.8	9.90	20,580	7.98	11.38
General and operations managers.....	8,140	2.1	45.88	95,430	27.29	56.54
Sales representatives, wholesale and manufacturing, except technical and scientific products.....	7,190	1.9	24.59	51,150	17.04	28.97

See footnotes at end of table.

Table 2. National employment and wage data for the 10 largest occupations by industry from the Occupational Employment Statistics survey, May 2003 - Continued

Occupation	Employment	Percent of industry employment	Mean wages		Percentiles	
			Hourly	Annual ¹	25th	75th
Boiler, tank, and shipping container manufacturing (NAICS 332400)						
Welders, cutters, solderers, and brazers.....	10,630	11.5	\$ 14.30	\$ 29,740	\$ 11.90	\$ 16.62
Cutting, punching, and press machine setters, operators, and tenders, metal and plastic.....	6,090	6.6	15.15	31,510	11.71	18.32
Team assemblers.....	5,090	5.5	13.48	28,030	10.73	15.93
First-line supervisors/managers of production and operating workers.....	4,130	4.5	23.54	48,970	17.75	27.84
Helpers--production workers.....	3,740	4.0	10.48	21,790	8.03	12.25
Maintenance and repair workers, general.....	2,850	3.1	17.83	37,080	14.74	21.11
Machinists.....	2,360	2.5	17.25	35,890	14.24	20.20
Structural metal fabricators and fitters.....	2,350	2.5	14.76	30,700	12.25	17.05
Welding, soldering, and brazing machine setters, operators, and tenders.....	2,190	2.4	14.25	29,630	11.53	16.90
Industrial truck and tractor operators.....	2,110	2.3	15.16	31,520	12.30	18.00
Hardware manufacturing (NAICS 332500)						
Team assemblers.....	7,080	17.9	10.94	22,750	8.92	12.59
Cutting, punching, and press machine setters, operators, and tenders, metal and plastic.....	2,590	6.6	12.49	25,990	10.01	14.19
First-line supervisors/managers of production and operating workers.....	1,540	3.9	21.47	44,660	15.93	25.52
Packers and packagers, hand.....	1,110	2.8	10.95	22,780	8.74	13.04
Grinding, lapping, polishing, and buffing machine tool setters, operators, and tenders, metal and plastic.....	1,000	2.5	13.29	27,650	10.81	15.59
Machinists.....	990	2.5	15.22	31,650	11.82	17.97
Welders, cutters, solderers, and brazers.....	900	2.3	13.04	27,130	10.41	14.82
Tool and die makers.....	860	2.2	20.17	41,960	15.99	23.42
Shipping, receiving, and traffic clerks.....	840	2.1	12.81	26,640	10.64	14.57
Drilling and boring machine tool setters, operators, and tenders, metal and plastic.....	740	1.9	12.35	25,680	10.18	13.96
Spring and wire product manufacturing (NAICS 332600)						
Cutting, punching, and press machine setters, operators, and tenders, metal and plastic.....	6,050	9.1	11.95	24,860	9.46	13.99
Team assemblers.....	3,350	5.0	10.55	21,950	8.46	12.24
First-line supervisors/managers of production and operating workers.....	3,050	4.6	20.98	43,630	15.49	24.83
Extruding and drawing machine setters, operators, and tenders, metal and plastic.....	2,650	4.0	13.14	27,330	9.68	14.46
Helpers--production workers.....	2,260	3.4	10.69	22,240	8.67	12.61
Welders, cutters, solderers, and brazers.....	1,930	2.9	12.73	26,480	9.67	15.46
Laborers and freight, stock, and material movers, hand.....	1,900	2.9	10.59	22,020	9.23	11.60
Machinists.....	1,880	2.8	15.41	32,050	12.16	17.87
Welding, soldering, and brazing machine setters, operators, and tenders.....	1,730	2.6	12.21	25,400	9.37	14.41
Sales representatives, wholesale and manufacturing, except technical and scientific products.....	1,610	2.4	27.11	56,400	17.49	34.45
Machine shops; turned product; and screw, nut, and bolt manufacturing (NAICS 332700)						
Machinists.....	69,790	22.2	16.01	33,310	12.44	19.10
Computer-controlled machine tool operators, metal and plastic.....	22,050	7.0	14.98	31,150	11.43	17.98
Lathe and turning machine tool setters, operators, and tenders, metal and plastic.....	15,990	5.1	14.61	30,380	11.19	17.48
First-line supervisors/managers of production and operating workers.....	15,940	5.1	24.74	51,460	18.55	28.86
Welders, cutters, solderers, and brazers.....	9,820	3.1	14.46	30,070	11.62	16.89
General and operations managers.....	8,390	2.7	47.35	98,480	28.66	59.12
Inspectors, testers, sorters, samplers, and weighers.....	8,170	2.6	15.08	31,370	11.51	17.75
Grinding, lapping, polishing, and buffing machine tool setters, operators, and tenders, metal and plastic.....	7,160	2.3	13.83	28,760	10.51	16.57
Cutting, punching, and press machine setters, operators, and tenders, metal and plastic.....	6,890	2.2	13.32	27,700	10.38	15.98
Drilling and boring machine tool setters, operators, and tenders, metal and plastic.....	6,790	2.2	12.98	27,000	9.90	15.51
Coating, engraving, heat treating, and allied activities (NAICS 332800)						
Plating and coating machine setters, operators, and tenders, metal and plastic.....	18,800	12.9	11.97	24,900	9.27	13.95
Coating, painting, and spraying machine setters, operators, and tenders.....	9,660	6.6	12.03	25,030	9.28	14.07
Helpers--production workers.....	9,090	6.3	9.68	20,130	7.83	10.91
First-line supervisors/managers of production and operating workers.....	8,060	5.5	21.56	44,850	15.57	25.38
Grinding, lapping, polishing, and buffing machine tool setters, operators, and tenders, metal and plastic.....	7,080	4.9	12.03	25,010	9.22	14.16
Heat treating equipment setters, operators, and tenders, metal and plastic.....	6,840	4.7	13.13	27,310	10.04	15.42
Inspectors, testers, sorters, samplers, and weighers.....	5,430	3.7	12.84	26,710	9.54	15.17
Laborers and freight, stock, and material movers, hand.....	4,950	3.4	10.18	21,160	8.13	11.26
Maintenance and repair workers, general.....	3,910	2.7	15.89	33,040	12.87	18.35
General and operations managers.....	3,740	2.6	48.52	100,920	30.12	59.52
Other fabricated metal product manufacturing (NAICS 332900)						
Team assemblers.....	30,520	10.6	12.33	25,640	9.52	14.46
Machinists.....	14,080	4.9	16.04	33,360	13.08	18.83
First-line supervisors/managers of production and operating workers.....	11,050	3.8	22.55	46,900	16.87	26.77
Welders, cutters, solderers, and brazers.....	10,200	3.6	14.78	30,750	11.85	17.30
Cutting, punching, and press machine setters, operators, and tenders, metal and plastic.....	9,090	3.2	12.98	26,990	10.19	15.52
Inspectors, testers, sorters, samplers, and weighers.....	9,060	3.2	14.65	30,480	11.38	17.27
Grinding, lapping, polishing, and buffing machine tool setters, operators, and tenders, metal and plastic.....	7,610	2.7	14.06	29,240	10.91	17.34
Computer-controlled machine tool operators, metal and plastic.....	7,080	2.5	15.61	32,470	12.34	18.37
Lathe and turning machine tool setters, operators, and tenders, metal and plastic.....	7,040	2.5	14.66	30,480	11.64	17.26
Shipping, receiving, and traffic clerks.....	5,730	2.0	13.20	27,450	10.53	15.52

See footnotes at end of table.

Table 2. National employment and wage data for the 10 largest occupations by industry from the Occupational Employment Statistics survey, May 2003 - Continued

Occupation	Employment	Percent of industry employment	Mean wages		Percentiles	
			Hourly	Annual ¹	25th	75th
Agriculture, construction, and mining machinery manufacturing (NAICS 333100)						
Team assemblers.....	22,700	11.9	\$ 13.56	\$ 28,210	\$ 10.88	\$ 16.13
Welders, cutters, solderers, and brazers.....	18,390	9.6	14.33	29,800	11.80	16.76
Machinists.....	10,070	5.3	15.46	32,170	11.77	18.84
First-line supervisors/managers of production and operating workers.....	6,540	3.4	23.08	48,020	17.57	28.29
Mechanical engineers.....	4,840	2.5	29.91	62,210	24.27	34.89
Computer-controlled machine tool operators, metal and plastic.....	4,650	2.4	16.11	33,500	12.82	19.45
Cutting, punching, and press machine setters, operators, and tenders, metal and plastic.....	4,250	2.2	12.96	26,950	10.78	14.95
Laborers and freight, stock, and material movers, hand.....	3,820	2.0	11.79	24,520	8.87	13.88
Engine and other machine assemblers.....	3,700	1.9	16.22	33,730	12.25	19.58
Sales representatives, wholesale and manufacturing, except technical and scientific products.....	3,500	1.8	25.37	52,780	17.89	30.53
Industrial machinery manufacturing (NAICS 333200)						
Machinists.....	8,500	6.8	16.65	34,640	13.78	19.82
Team assemblers.....	7,180	5.7	13.68	28,460	10.49	16.51
Welders, cutters, solderers, and brazers.....	4,660	3.7	15.24	31,710	12.56	17.67
Mechanical engineers.....	4,640	3.7	28.76	59,820	22.74	33.63
First-line supervisors/managers of production and operating workers.....	4,090	3.3	24.35	50,650	18.69	28.73
Industrial engineers.....	2,660	2.1	33.52	69,720	26.03	41.32
General and operations managers.....	2,660	2.1	54.03	112,390	33.92	68.75
Electromechanical equipment assemblers.....	2,580	2.1	16.71	34,750	12.71	20.24
Sales representatives, wholesale and manufacturing, except technical and scientific products.....	2,530	2.0	27.68	57,580	17.99	33.97
Shipping, receiving, and traffic clerks.....	2,140	1.7	14.13	29,390	11.65	16.52
Commercial and service industry machinery manufacturing (NAICS 333300)						
Team assemblers.....	14,790	12.2	12.36	25,710	9.57	14.12
Welders, cutters, solderers, and brazers.....	3,810	3.1	14.34	29,820	11.76	16.78
First-line supervisors/managers of production and operating workers.....	3,390	2.8	22.67	47,160	16.33	26.94
Computer software engineers, applications.....	2,960	2.4	35.07	72,950	26.49	43.07
Electrical and electronic equipment assemblers.....	2,640	2.2	12.47	25,930	9.74	14.78
Mechanical engineers.....	2,360	2.0	30.08	62,560	23.73	35.80
Cutting, punching, and press machine setters, operators, and tenders, metal and plastic.....	2,260	1.9	13.53	28,140	10.95	15.50
Inspectors, testers, sorters, samplers, and weighers.....	2,140	1.8	14.99	31,170	11.60	17.71
Sales representatives, wholesale and manufacturing, except technical and scientific products.....	2,130	1.8	25.62	53,280	17.64	31.43
General and operations managers.....	2,110	1.7	53.16	110,580	33.10	68.52
HVAC and commercial refrigeration equipment manufacturing (NAICS 333400)						
Team assemblers.....	27,890	17.4	12.50	26,000	10.18	14.75
Welders, cutters, solderers, and brazers.....	10,090	6.3	13.87	28,850	11.73	16.10
Cutting, punching, and press machine setters, operators, and tenders, metal and plastic.....	8,910	5.6	12.76	26,540	10.49	14.84
First-line supervisors/managers of production and operating workers.....	5,080	3.2	21.19	44,080	16.43	25.12
Helpers--production workers.....	4,390	2.7	10.49	21,810	8.71	11.84
Sheet metal workers.....	4,220	2.6	14.24	29,620	10.12	16.95
Structural metal fabricators and fitters.....	3,650	2.3	13.28	27,630	11.02	15.33
Inspectors, testers, sorters, samplers, and weighers.....	3,520	2.2	14.31	29,760	11.75	16.89
Machinists.....	2,920	1.8	15.52	32,290	12.13	18.30
Laborers and freight, stock, and material movers, hand.....	2,550	1.6	11.82	24,590	9.70	13.61
Metalworking machinery manufacturing (NAICS 333500)						
Machinists.....	27,300	13.1	16.95	35,270	13.63	20.31
Tool and die makers.....	24,660	11.8	20.17	41,950	15.94	24.55
Computer-controlled machine tool operators, metal and plastic.....	11,160	5.4	16.27	33,830	12.51	19.57
First-line supervisors/managers of production and operating workers.....	9,140	4.4	25.89	53,860	19.33	30.82
Grinding, lapping, polishing, and buffing machine tool setters, operators, and tenders, metal and plastic.....	8,290	4.0	17.25	35,880	12.08	20.17
Cutting, punching, and press machine setters, operators, and tenders, metal and plastic.....	6,110	2.9	12.84	26,710	9.92	15.19
Team assemblers.....	5,210	2.5	14.38	29,910	10.45	17.28
Molding, coremaking, and casting machine setters, operators, and tenders, metal and plastic.....	5,010	2.4	14.05	29,220	9.95	16.71
General and operations managers.....	4,970	2.4	50.06	104,120	29.54	63.32
Mechanical engineers.....	4,170	2.0	25.62	53,290	20.54	30.38
Engine, turbine, and power transmission equipment manufacturing (NAICS 333600)						
Engine and other machine assemblers.....	10,420	10.8	16.00	33,280	11.18	20.55
Machinists.....	10,100	10.5	17.17	35,710	14.10	20.39
Team assemblers.....	5,780	6.0	13.36	27,780	10.20	15.67
Mechanical engineers.....	3,860	4.0	30.61	63,680	24.88	35.75
Computer-controlled machine tool operators, metal and plastic.....	3,490	3.6	16.67	34,670	12.92	20.70
First-line supervisors/managers of production and operating workers.....	3,320	3.5	25.82	53,700	19.57	31.13
Inspectors, testers, sorters, samplers, and weighers.....	2,810	2.9	17.56	36,530	14.47	21.00
Lathe and turning machine tool setters, operators, and tenders, metal and plastic.....	2,110	2.2	16.82	34,980	13.86	20.21
Maintenance and repair workers, general.....	2,040	2.1	17.99	37,410	14.09	22.16
Welders, cutters, solderers, and brazers.....	1,730	1.8	17.31	36,000	13.28	21.46

See footnotes at end of table.

Table 2. National employment and wage data for the 10 largest occupations by industry from the Occupational Employment Statistics survey, May 2003 - Continued

Occupation	Employment	Percent of industry employment	Mean wages		Percentiles	
			Hourly	Annual ¹	25th	75th
Other general purpose machinery manufacturing (NAICS 333900)						
Team assemblers.....	27,470	10.2	\$ 12.64	\$ 26,290	\$ 9.73	\$ 15.25
Machinists.....	15,920	5.9	16.29	33,880	13.15	19.25
Welders, cutters, solderers, and brazers.....	12,950	4.8	14.68	30,530	12.11	16.97
First-line supervisors/managers of production and operating workers.....	9,330	3.5	24.44	50,840	18.27	27.74
Mechanical engineers.....	7,920	2.9	28.18	58,620	22.89	33.15
Sales representatives, wholesale and manufacturing, except technical and scientific products.....	5,190	1.9	26.79	55,720	18.00	32.65
Shipping, receiving, and traffic clerks.....	5,170	1.9	13.86	28,820	11.29	16.24
Computer-controlled machine tool operators, metal and plastic.....	5,020	1.9	15.89	33,040	12.87	18.82
Laborers and freight, stock, and material movers, hand.....	4,700	1.7	13.17	27,400	9.70	15.89
General and operations managers.....	4,570	1.7	52.25	108,680	33.80	65.87
Computer and peripheral equipment manufacturing (NAICS 334100)						
Electrical and electronic equipment assemblers.....	24,890	10.9	13.13	27,310	9.95	14.48
Computer software engineers, systems software.....	16,070	7.0	40.62	84,480	32.04	49.33
Computer hardware engineers.....	13,090	5.7	41.74	86,810	28.40	52.72
Computer software engineers, applications.....	10,860	4.8	40.18	83,570	32.74	48.41
Team assemblers.....	7,190	3.2	11.92	24,790	9.62	13.61
Engineering managers.....	5,210	2.3	62.42	129,830	48.76	(²)
Office clerks, general.....	4,640	2.0	16.20	33,700	12.46	19.64
Inspectors, testers, sorters, samplers, and weighers.....	4,460	2.0	15.24	31,710	11.86	17.90
Computer support specialists.....	4,140	1.8	26.08	54,240	17.75	32.25
Computer systems analysts.....	4,120	1.8	34.36	71,480	26.58	41.07
Communications equipment manufacturing (NAICS 334200)						
Electrical and electronic equipment assemblers.....	19,910	12.3	11.87	24,700	9.38	13.75
Team assemblers.....	7,860	4.8	11.01	22,900	8.92	12.73
Electrical and electronic engineering technicians.....	7,200	4.4	19.46	40,490	15.33	22.35
Inspectors, testers, sorters, samplers, and weighers.....	5,590	3.4	14.69	30,560	10.99	17.49
Electrical engineers.....	4,730	2.9	35.50	73,840	27.43	42.97
Production, planning, and expediting clerks.....	4,700	2.9	15.29	31,810	10.63	18.57
Electronics engineers, except computer.....	4,150	2.6	34.77	72,310	25.93	42.42
Computer software engineers, applications.....	4,000	2.5	35.69	74,240	28.19	43.24
Computer software engineers, systems software.....	3,940	2.4	39.32	81,780	31.46	47.63
First-line supervisors/managers of production and operating workers.....	3,440	2.1	24.08	50,090	17.28	28.70
Audio and video equipment manufacturing (NAICS 334300)						
Electrical and electronic equipment assemblers.....	7,480	18.9	10.97	22,810	8.91	12.42
Team assemblers.....	4,720	11.9	10.69	22,220	8.46	12.06
First-line supervisors/managers of production and operating workers.....	1,380	3.5	21.93	45,610	16.62	26.93
Electrical and electronic engineering technicians.....	950	2.4	19.01	39,530	15.16	21.86
Electronics engineers, except computer.....	940	2.4	33.82	70,340	26.46	40.76
Laborers and freight, stock, and material movers, hand.....	900	2.3	11.22	23,340	8.89	12.93
Inspectors, testers, sorters, samplers, and weighers.....	890	2.3	13.65	28,400	10.36	16.27
Shipping, receiving, and traffic clerks.....	750	1.9	13.04	27,130	10.14	15.30
Electronic home entertainment equipment installers and repairers.....	670	1.7	13.08	27,210	9.68	14.76
Industrial engineers.....	620	1.6	29.35	61,060	23.78	34.33
Semiconductor and other electronic component manufacturing (NAICS 334400)						
Electrical and electronic equipment assemblers.....	57,770	12.0	11.56	24,030	9.12	13.45
Semiconductor processors.....	44,090	9.2	14.08	29,280	10.97	16.47
Electrical and electronic engineering technicians.....	21,220	4.4	19.50	40,560	15.34	23.18
Team assemblers.....	20,100	4.2	11.44	23,790	8.86	13.35
Inspectors, testers, sorters, samplers, and weighers.....	17,670	3.7	13.60	28,290	10.38	16.17
First-line supervisors/managers of production and operating workers.....	14,090	2.9	24.00	49,920	17.44	28.95
Computer hardware engineers.....	14,060	2.9	39.45	82,060	31.72	47.14
Electronics engineers, except computer.....	13,480	2.8	36.48	75,870	28.92	43.23
Industrial engineering technicians.....	9,560	2.0	20.46	42,560	15.77	24.02
Electrical engineers.....	9,520	2.0	38.38	79,830	29.02	45.04
Electronic instruments manufacturing (NAICS 334500)						
Electrical and electronic equipment assemblers.....	27,210	6.3	13.06	27,170	10.02	15.43
Team assemblers.....	24,670	5.7	12.22	25,420	9.40	14.07
Electrical engineers.....	16,190	3.7	35.48	73,800	27.13	42.92
Electrical and electronic engineering technicians.....	14,580	3.4	20.21	42,030	15.49	24.07
Electronics engineers, except computer.....	13,250	3.1	35.34	73,500	26.88	43.23
Mechanical engineers.....	12,040	2.8	33.16	68,970	26.37	40.08
Computer software engineers, applications.....	12,010	2.8	37.45	77,910	29.95	44.63
Electromechanical equipment assemblers.....	11,350	2.6	12.77	26,560	10.27	14.71
Computer software engineers, systems software.....	11,020	2.5	37.73	78,470	30.39	44.84
Engineering managers.....	9,510	2.2	52.35	108,890	40.64	61.70

See footnotes at end of table.

Table 2. National employment and wage data for the 10 largest occupations by industry from the Occupational Employment Statistics survey, May 2003 - Continued

Occupation	Employment	Percent of industry employment	Mean wages		Percentiles	
			Hourly	Annual ¹	25th	75th
Manufacturing and reproducing magnetic and optical media (NAICS 334600)						
Laborers and freight, stock, and material movers, hand.....	3,690	7.4	\$ 11.64	\$ 24,210	\$ 9.55	\$ 13.51
Packers and packagers, hand.....	2,240	4.5	9.85	20,480	7.85	11.44
Computer support specialists.....	2,120	4.2	23.76	49,410	17.53	29.66
Machine feeders and offbearers.....	2,040	4.1	11.28	23,460	8.44	13.36
Customer service representatives.....	1,510	3.0	15.49	32,220	11.14	18.41
Packaging and filling machine operators and tenders.....	1,390	2.8	12.60	26,200	9.84	15.45
Team assemblers.....	1,340	2.7	10.82	22,510	9.06	12.42
Computer software engineers, applications.....	1,100	2.2	39.11	81,350	28.21	48.88
Production, planning, and expediting clerks.....	1,080	2.2	16.79	34,920	11.71	20.61
Electrical and electronic equipment assemblers.....	1,050	2.1	12.02	25,000	9.00	14.53
Electric lighting equipment manufacturing (NAICS 335100)						
Team assemblers.....	11,250	16.5	10.29	21,410	8.03	11.93
Electrical and electronic equipment assemblers.....	4,740	6.9	11.17	23,230	8.75	13.26
First-line supervisors/managers of production and operating workers.....	2,680	3.9	21.19	44,080	15.74	25.11
Laborers and freight, stock, and material movers, hand.....	2,080	3.0	10.99	22,860	8.65	12.61
Cutting, punching, and press machine setters, operators, and tenders, metal and plastic.....	1,970	2.9	12.47	25,950	9.54	14.58
Inspectors, testers, sorters, samplers, and weighers.....	1,610	2.4	14.23	29,600	11.33	16.61
Shipping, receiving, and traffic clerks.....	1,400	2.1	11.67	24,280	9.44	13.55
Helpers--production workers.....	1,300	1.9	9.23	19,200	7.68	10.59
Industrial truck and tractor operators.....	1,280	1.9	12.73	26,470	10.59	14.04
Coating, painting, and spraying machine setters, operators, and tenders.....	1,230	1.8	12.34	25,660	9.73	14.29
Household appliance manufacturing (NAICS 335200)						
Team assemblers.....	30,530	31.7	13.55	28,190	10.38	16.73
Cutting, punching, and press machine setters, operators, and tenders, metal and plastic.....	6,400	6.6	12.07	25,100	10.13	13.51
Industrial truck and tractor operators.....	3,860	4.0	12.31	25,600	10.51	13.75
First-line supervisors/managers of production and operating workers.....	2,660	2.8	20.86	43,380	15.65	25.09
Inspectors, testers, sorters, samplers, and weighers.....	2,140	2.2	14.16	29,460	11.20	17.34
Laborers and freight, stock, and material movers, hand.....	2,020	2.1	14.55	30,260	11.11	18.47
Maintenance and repair workers, general.....	1,440	1.5	17.20	35,780	14.26	20.10
Customer service representatives.....	1,410	1.5	14.47	30,090	11.31	16.91
Packers and packagers, hand.....	1,170	1.2	10.34	21,500	8.84	11.12
Coating, painting, and spraying machine setters, operators, and tenders.....	1,070	1.1	12.00	24,950	10.08	13.36
Electrical equipment manufacturing (NAICS 335300)						
Electrical and electronic equipment assemblers.....	24,960	15.3	13.03	27,110	10.06	15.34
Team assemblers.....	15,250	9.4	12.29	25,570	9.40	14.68
Coil winders, tapers, and finishers.....	10,250	6.3	12.73	26,480	9.79	15.20
Cutting, punching, and press machine setters, operators, and tenders, metal and plastic.....	5,080	3.1	13.77	28,650	11.38	15.96
First-line supervisors/managers of production and operating workers.....	5,070	3.1	22.56	46,920	16.83	27.00
Electromechanical equipment assemblers.....	4,620	2.8	12.05	25,050	9.42	14.24
Inspectors, testers, sorters, samplers, and weighers.....	3,660	2.2	15.03	31,250	11.86	17.56
Electrical engineers.....	3,460	2.1	30.17	62,760	23.72	35.37
Electrical and electronic engineering technicians.....	3,040	1.9	17.97	37,370	14.67	21.08
Maintenance and repair workers, general.....	2,630	1.6	17.90	37,230	14.70	20.92
Other electrical equipment and component manufacturing (NAICS 335900)						
Team assemblers.....	14,580	10.2	11.73	24,390	9.06	13.95
Electrical and electronic equipment assemblers.....	12,620	8.8	11.35	23,610	9.07	13.14
First-line supervisors/managers of production and operating workers.....	4,780	3.3	22.77	47,370	16.95	27.10
Extruding and drawing machine setters, operators, and tenders, metal and plastic.....	4,560	3.2	13.70	28,500	11.70	16.04
Inspectors, testers, sorters, samplers, and weighers.....	4,100	2.9	14.14	29,410	11.09	16.62
Helpers--production workers.....	3,770	2.6	10.13	21,070	7.57	12.24
Cutting, punching, and press machine setters, operators, and tenders, metal and plastic.....	3,640	2.5	12.31	25,600	9.35	14.45
Maintenance and repair workers, general.....	3,590	2.5	17.85	37,140	15.33	20.72
Machinists.....	2,960	2.1	15.69	32,640	12.07	18.78
Shipping, receiving, and traffic clerks.....	2,820	2.0	13.28	27,630	10.45	15.57
Motor vehicle manufacturing (NAICS 336100)						
Team assemblers.....	40,500	15.1	22.40	46,600	19.69	26.49
Welders, cutters, solderers, and brazers.....	7,180	2.7	22.74	47,300	19.21	26.96
First-line supervisors/managers of production and operating workers.....	6,610	2.5	30.22	62,850	25.76	34.92
Painters, transportation equipment.....	5,510	2.1	22.68	47,170	20.29	26.39
Industrial truck and tractor operators.....	4,710	1.8	22.90	47,630	21.50	26.52
Automotive service technicians and mechanics.....	4,360	1.6	25.35	52,730	23.49	27.32
Industrial engineers.....	4,080	1.5	31.76	66,070	27.03	37.56
Industrial production managers.....	2,330	0.9	43.20	89,850	33.67	49.94
Mechanical engineers.....	1,680	0.6	30.52	63,490	24.61	37.28
Bus and truck mechanics and diesel engine specialists.....	1,260	0.5	22.86	47,560	17.31	28.40

See footnotes at end of table.

Table 2. National employment and wage data for the 10 largest occupations by industry from the Occupational Employment Statistics survey, May 2003 - Continued

Occupation	Employment	Percent of industry employment	Mean wages		Percentiles	
			Hourly	Annual ¹	25th	75th
Motor vehicle body and trailer manufacturing (NAICS 336200)						
Team assemblers.....	35,260	23.3	\$ 12.44	\$ 25,870	\$ 10.06	\$ 14.18
Welders, cutters, solderers, and brazers.....	15,190	10.1	13.40	27,860	11.17	15.29
First-line supervisors/managers of production and operating workers.....	5,690	3.8	21.16	44,020	16.31	24.82
Cutting, punching, and press machine setters, operators, and tenders, metal and plastic.....	4,800	3.2	13.96	29,040	11.25	16.01
Structural metal fabricators and fitters.....	3,530	2.3	13.01	27,050	10.88	15.16
Fiberglass laminators and fabricators.....	3,240	2.1	11.71	24,360	9.50	13.58
Laborers and freight, stock, and material movers, hand.....	3,140	2.1	14.16	29,460	9.34	15.22
Inspectors, testers, sorters, samplers, and weighers.....	2,950	2.0	16.13	33,550	12.70	18.49
Painters, transportation equipment.....	2,930	1.9	13.28	27,620	10.62	15.00
Welding, soldering, and brazing machine setters, operators, and tenders.....	2,500	1.7	13.49	28,050	11.15	14.75
Motor vehicle parts manufacturing (NAICS 336300)						
Team assemblers.....	108,490	15.1	13.32	27,710	10.33	15.51
Cutting, punching, and press machine setters, operators, and tenders, metal and plastic.....	27,940	3.9	14.57	30,310	11.01	16.90
First-line supervisors/managers of production and operating workers.....	22,860	3.2	23.45	48,780	17.32	28.89
Inspectors, testers, sorters, samplers, and weighers.....	22,660	3.2	17.72	36,850	12.48	24.17
Multiple machine tool setters, operators, and tenders, metal and plastic.....	20,450	2.8	20.13	41,880	13.95	26.01
Machinists.....	18,930	2.6	16.84	35,020	13.01	19.72
Welders, cutters, solderers, and brazers.....	17,510	2.4	18.15	37,760	12.64	24.56
Laborers and freight, stock, and material movers, hand.....	17,420	2.4	14.58	30,330	10.97	17.04
Tool and die makers.....	17,330	2.4	25.25	52,520	20.23	31.17
Industrial truck and tractor operators.....	16,580	2.3	17.10	35,580	12.31	23.26
Aerospace product and parts manufacturing (NAICS 336400)						
Aerospace engineers.....	43,920	9.8	35.08	72,970	28.97	41.83
Aircraft structure, surfaces, rigging, and systems assemblers.....	21,080	4.7	19.23	40,000	14.14	24.48
Machinists.....	14,680	3.3	18.63	38,750	14.37	22.38
Aircraft mechanics and service technicians.....	14,120	3.2	20.73	43,110	17.19	24.77
Inspectors, testers, sorters, samplers, and weighers.....	13,490	3.0	18.75	39,000	14.36	23.47
Management analysts.....	11,670	2.6	30.86	64,190	25.12	36.20
Mechanical engineers.....	10,610	2.4	32.91	68,460	26.29	39.36
First-line supervisors/managers of production and operating workers.....	10,020	2.2	27.60	57,400	21.98	33.36
Industrial engineers.....	9,230	2.1	31.30	65,100	25.66	36.31
Engineering managers.....	8,450	1.9	49.50	102,960	39.90	57.26
Railroad rolling stock manufacturing (NAICS 336500)						
Welders, cutters, solderers, and brazers.....	2,100	9.2	14.38	29,900	12.34	16.54
Rail car repairers.....	1,170	5.1	14.74	30,670	12.57	16.86
Team assemblers.....	1,020	4.5	14.57	30,310	11.52	17.09
First-line supervisors/managers of production and operating workers.....	680	3.0	23.47	48,820	18.66	27.47
Painters, transportation equipment.....	640	2.8	17.36	36,110	13.59	21.32
Cutting, punching, and press machine setters, operators, and tenders, metal and plastic.....	420	1.9	13.41	27,900	9.72	16.60
Helpers--production workers.....	270	1.2	12.17	25,310	9.52	13.76
Electricians.....	240	1.1	18.07	37,590	15.01	21.31
Shipping, receiving, and traffic clerks.....	240	1.1	13.72	28,530	11.27	16.07
Helpers--installation, maintenance, and repair workers.....	210	0.9	12.32	25,620	9.56	13.99
Ship and boat building (NAICS 336600)						
Welders, cutters, solderers, and brazers.....	11,790	8.1	15.34	31,910	12.87	17.90
Fiberglass laminators and fabricators.....	9,990	6.9	12.42	25,830	10.17	14.02
Team assemblers.....	9,360	6.4	11.88	24,710	9.59	13.35
First-line supervisors/managers of production and operating workers.....	5,620	3.9	22.93	47,700	18.37	26.55
Plumbers, pipefitters, and steamfitters.....	5,580	3.8	16.65	34,640	13.92	19.39
Carpenters.....	4,540	3.1	15.66	32,580	12.38	18.47
Electricians.....	4,020	2.8	17.03	35,430	14.00	19.91
Structural metal fabricators and fitters.....	3,940	2.7	14.86	30,910	12.39	17.57
Machinists.....	3,400	2.3	16.27	33,850	14.01	19.16
Mechanical drafters.....	3,310	2.3	20.76	43,180	16.82	24.69
Other transportation equipment manufacturing (NAICS 336900)						
Team assemblers.....	5,900	15.2	13.34	27,750	10.80	14.55
Welders, cutters, solderers, and brazers.....	2,680	6.9	14.57	30,300	11.39	16.92
Machinists.....	2,190	5.6	18.69	38,870	13.45	24.12
First-line supervisors/managers of production and operating workers.....	1,340	3.4	22.51	46,810	17.25	26.23
Mechanical engineers.....	1,020	2.6	31.69	65,920	25.47	36.37
Structural metal fabricators and fitters.....	910	2.3	15.63	32,510	11.79	17.42
Cutting, punching, and press machine setters, operators, and tenders, metal and plastic.....	780	2.0	13.69	28,480	9.47	16.84
Engine and other machine assemblers.....	760	2.0	14.40	29,960	11.81	16.33
Industrial truck and tractor operators.....	750	1.9	14.46	30,080	10.65	15.93
Inspectors, testers, sorters, samplers, and weighers.....	750	1.9	15.14	31,490	11.56	17.64

See footnotes at end of table.

Table 2. National employment and wage data for the 10 largest occupations by industry from the Occupational Employment Statistics survey, May 2003 - Continued

Occupation	Employment	Percent of industry employment	Mean wages		Percentiles	
			Hourly	Annual ¹	25th	75th
Household and institutional furniture and kitchen cabinet manufacturing (NAICS 337100)						
Cabinetmakers and bench carpenters.....	70,940	18.3	\$ 12.15	\$ 25,260	\$ 9.33	\$ 14.24
Team assemblers.....	27,600	7.1	11.20	23,300	8.83	13.15
Woodworking machine setters, operators, and tenders, except sawing.....	24,360	6.3	11.19	23,260	8.79	13.03
Upholsterers.....	20,300	5.2	13.33	27,720	9.87	16.38
Sewing machine operators.....	15,770	4.1	11.51	23,950	9.12	13.46
First-line supervisors/managers of production and operating workers.....	14,950	3.9	19.33	40,210	14.71	22.43
Furniture finishers.....	14,030	3.6	11.16	23,220	8.76	13.00
Laborers and freight, stock, and material movers, hand.....	11,030	2.8	10.12	21,050	8.22	11.61
Sawing machine setters, operators, and tenders, wood.....	10,970	2.8	10.58	22,000	8.43	12.57
Helpers--production workers.....	10,570	2.7	9.46	19,680	7.86	10.79
Office furniture (including fixtures) manufacturing (NAICS 337200)						
Team assemblers.....	16,750	11.7	12.57	26,140	9.80	13.77
Cabinetmakers and bench carpenters.....	12,800	8.9	13.96	29,030	10.65	16.69
Woodworking machine setters, operators, and tenders, except sawing.....	7,100	5.0	11.61	24,150	9.34	13.32
First-line supervisors/managers of production and operating workers.....	6,000	4.2	20.55	42,740	15.65	24.26
Cutting, punching, and press machine setters, operators, and tenders, metal and plastic.....	4,570	3.2	12.32	25,620	10.11	13.96
Helpers--production workers.....	3,740	2.6	9.49	19,740	7.62	10.93
Welders, cutters, solderers, and brazers.....	3,590	2.5	13.07	27,190	10.24	15.45
Laborers and freight, stock, and material movers, hand.....	3,550	2.5	11.61	24,140	9.19	13.52
Furniture finishers.....	3,200	2.2	12.40	25,800	9.54	14.05
Sales representatives, wholesale and manufacturing, except technical and scientific products.....	2,730	1.9	28.04	58,330	18.10	35.42
Other furniture related product manufacturing (NAICS 337900)						
Team assemblers.....	13,140	25.3	10.67	22,190	8.22	12.52
Sewing machine operators.....	4,940	9.5	11.42	23,750	8.96	13.29
First-line supervisors/managers of production and operating workers.....	1,920	3.7	20.28	42,180	15.01	23.84
Sales representatives, wholesale and manufacturing, except technical and scientific products.....	1,670	3.2	25.40	52,830	15.84	32.50
Laborers and freight, stock, and material movers, hand.....	1,630	3.1	10.70	22,250	8.68	12.61
Customer service representatives.....	1,330	2.6	14.20	29,530	11.01	16.10
Cutting, punching, and press machine setters, operators, and tenders, metal and plastic.....	1,090	2.1	12.47	25,950	10.21	14.72
Shipping, receiving, and traffic clerks.....	970	1.9	11.80	24,540	9.52	13.62
Office clerks, general.....	930	1.8	10.68	22,210	8.32	12.88
Truck drivers, light or delivery services.....	910	1.8	11.32	23,540	9.31	13.05
Medical equipment and supplies manufacturing (NAICS 339100)						
Dental laboratory technicians.....	35,710	11.7	15.48	32,200	10.62	18.68
Team assemblers.....	34,830	11.5	11.32	23,550	8.98	13.29
First-line supervisors/managers of production and operating workers.....	9,780	3.2	24.17	50,270	16.94	29.00
Inspectors, testers, sorters, samplers, and weighers.....	8,710	2.9	14.08	29,290	10.82	16.66
Medical appliance technicians.....	6,500	2.1	14.14	29,400	9.52	16.90
Customer service representatives.....	5,610	1.8	15.48	32,200	11.97	18.00
Shipping, receiving, and traffic clerks.....	5,290	1.7	12.47	25,930	9.99	14.58
Office clerks, general.....	4,840	1.6	11.04	22,960	8.44	13.32
Packers and packagers, hand.....	4,710	1.6	10.61	22,070	8.32	12.79
General and operations managers.....	4,660	1.5	54.43	113,220	30.69	(?)
Other miscellaneous manufacturing (NAICS 339900)						
Team assemblers.....	40,330	10.9	10.67	22,190	8.11	12.56
First-line supervisors/managers of production and operating workers.....	14,200	3.8	20.26	42,140	14.76	24.12
Sales representatives, wholesale and manufacturing, except technical and scientific products.....	11,090	3.0	24.43	50,810	15.08	29.10
Packers and packagers, hand.....	10,330	2.8	9.38	19,510	7.50	10.84
Cutting, punching, and press machine setters, operators, and tenders, metal and plastic.....	8,130	2.2	12.02	24,990	9.31	14.13
Shipping, receiving, and traffic clerks.....	8,090	2.2	11.91	24,780	9.57	13.75
General and operations managers.....	7,600	2.1	46.91	97,570	26.67	59.29
Laborers and freight, stock, and material movers, hand.....	7,410	2.0	10.50	21,830	8.11	12.51
Molding, coremaking, and casting machine setters, operators, and tenders, metal and plastic.....	7,320	2.0	12.31	25,600	9.61	14.30
Inspectors, testers, sorters, samplers, and weighers.....	6,680	1.8	12.80	26,620	9.74	15.14
Motor vehicle and motor vehicle parts and supplies merchant wholesalers (NAICS 423100)						
Sales representatives, wholesale and manufacturing, except technical and scientific products.....	27,500	8.0	23.44	48,760	13.96	27.96
Truck drivers, light or delivery services.....	25,790	7.5	9.72	20,210	7.57	11.31
Parts salespersons.....	23,310	6.8	13.63	28,350	9.99	16.44
Laborers and freight, stock, and material movers, hand.....	20,530	6.0	11.07	23,020	8.41	12.71
Bus and truck mechanics and diesel engine specialists.....	18,170	5.3	17.10	35,580	13.81	20.52
Stock clerks and order fillers.....	15,470	4.5	12.73	26,470	8.73	14.51
Office clerks, general.....	11,750	3.4	11.31	23,530	8.83	13.25
Shipping, receiving, and traffic clerks.....	11,000	3.2	12.26	25,500	9.47	14.09
General and operations managers.....	9,630	2.8	42.74	88,900	24.52	53.01
Driver/sales workers.....	9,390	2.7	9.86	20,510	7.25	11.13

See footnotes at end of table.

Table 2. National employment and wage data for the 10 largest occupations by industry from the Occupational Employment Statistics survey, May 2003 - Continued

Occupation	Employment	Percent of industry employment	Mean wages		Percentiles	
			Hourly	Annual ¹	25th	75th
Furniture and home furnishing merchant wholesalers (NAICS 423200)						
Sales representatives, wholesale and manufacturing, except technical and scientific products.....	16,780	15.3	\$ 25.99	\$ 54,070	\$ 15.55	\$ 30.65
Laborers and freight, stock, and material movers, hand.....	8,680	7.9	10.07	20,950	7.80	11.49
Shipping, receiving, and traffic clerks.....	5,010	4.6	12.32	25,630	9.62	14.04
Team assemblers.....	4,950	4.5	10.51	21,850	8.20	12.25
Office clerks, general.....	4,730	4.3	12.03	25,030	9.56	14.19
Customer service representatives.....	4,150	3.8	14.56	30,280	11.90	16.64
Stock clerks and order fillers.....	3,740	3.4	10.79	22,440	8.27	12.90
Bookkeeping, accounting, and auditing clerks.....	3,440	3.1	14.56	30,280	11.54	16.95
General and operations managers.....	3,140	2.9	52.66	109,530	29.45	(?)
Truck drivers, light or delivery services.....	2,930	2.7	12.88	26,780	10.71	14.84
Lumber and other construction materials merchant wholesalers (NAICS 423300)						
Sales representatives, wholesale and manufacturing, except technical and scientific products.....	36,140	15.9	25.55	53,140	16.32	29.14
Laborers and freight, stock, and material movers, hand.....	24,570	10.8	10.98	22,830	8.74	12.84
Truck drivers, heavy and tractor-trailer.....	19,180	8.4	15.02	31,240	12.22	17.18
Industrial truck and tractor operators.....	11,010	4.8	13.20	27,470	10.51	15.36
Team assemblers.....	10,690	4.7	11.67	24,270	9.51	13.43
Truck drivers, light or delivery services.....	10,290	4.5	12.50	26,000	10.18	14.32
General and operations managers.....	7,500	3.3	48.43	100,740	28.65	61.85
Office clerks, general.....	6,320	2.8	11.68	24,300	8.75	13.84
Bookkeeping, accounting, and auditing clerks.....	5,780	2.5	14.69	30,560	11.47	17.42
Stock clerks and order fillers.....	5,440	2.4	11.49	23,900	9.24	13.33
Professional and commercial equipment and supplies merchant wholesalers (NAICS 423400)						
Sales representatives, wholesale and manufacturing, except technical and scientific products.....	63,360	9.7	25.86	53,800	15.14	32.08
Sales representatives, wholesale and manufacturing, technical and scientific products.....	55,420	8.5	33.33	69,330	20.34	41.27
Computer, automated teller, and office machine repairers.....	48,670	7.5	18.22	37,890	14.23	21.81
Customer service representatives.....	20,960	3.2	15.22	31,660	12.04	17.59
Computer programmers.....	19,500	3.0	35.32	73,470	26.46	44.03
Computer support specialists.....	19,190	3.0	25.40	52,840	16.95	32.40
Shipping, receiving, and traffic clerks.....	17,430	2.7	12.28	25,540	9.74	14.02
Computer systems analysts.....	15,930	2.5	34.59	71,950	27.16	41.51
Office clerks, general.....	15,830	2.4	12.87	26,760	9.40	15.73
General and operations managers.....	14,760	2.3	53.64	111,570	32.13	(?)
Metal and mineral (except petroleum) merchant wholesalers (NAICS 423500)						
Sales representatives, wholesale and manufacturing, except technical and scientific products.....	16,590	13.6	27.14	56,450	16.41	30.97
Laborers and freight, stock, and material movers, hand.....	14,610	12.0	11.56	24,040	9.26	13.62
Truck drivers, heavy and tractor-trailer.....	5,750	4.7	15.55	32,350	12.46	17.71
Machinists.....	5,070	4.2	13.89	28,900	11.02	16.36
General and operations managers.....	4,180	3.4	52.45	109,100	29.50	(?)
Industrial truck and tractor operators.....	4,100	3.4	12.47	25,940	9.99	14.52
Shipping, receiving, and traffic clerks.....	3,720	3.1	14.45	30,060	10.93	17.12
Office clerks, general.....	3,290	2.7	11.93	24,810	9.42	13.86
Welders, cutters, solderers, and brazers.....	3,270	2.7	14.30	29,750	11.67	16.55
Bookkeeping, accounting, and auditing clerks.....	2,920	2.4	15.07	31,350	11.80	17.77
Electrical and electronic goods merchant wholesalers (NAICS 423600)						
Sales representatives, wholesale and manufacturing, except technical and scientific products.....	41,700	11.9	25.30	52,630	16.07	30.25
Sales representatives, wholesale and manufacturing, technical and scientific products.....	24,770	7.0	29.14	60,600	17.58	36.34
Shipping, receiving, and traffic clerks.....	13,330	3.8	12.55	26,100	9.73	14.45
Customer service representatives.....	12,340	3.5	15.19	31,590	11.72	17.82
General and operations managers.....	11,240	3.2	53.06	110,360	31.99	69.51
Laborers and freight, stock, and material movers, hand.....	10,860	3.1	11.15	23,200	9.05	12.98
Stock clerks and order fillers.....	10,720	3.1	11.82	24,580	9.14	13.79
Office clerks, general.....	9,360	2.7	12.95	26,940	9.46	15.39
First-line supervisors/managers of non-retail sales workers.....	9,120	2.6	37.40	77,800	23.37	44.74
Bookkeeping, accounting, and auditing clerks.....	8,570	2.4	15.05	31,310	11.82	17.67
Hardware and plumbing merchant wholesalers (NAICS 423700)						
Sales representatives, wholesale and manufacturing, except technical and scientific products.....	40,360	17.5	24.23	50,390	15.33	28.20
Stock clerks and order fillers.....	14,790	6.4	11.53	23,980	9.35	13.38
Laborers and freight, stock, and material movers, hand.....	13,970	6.0	11.23	23,360	9.11	13.11
Shipping, receiving, and traffic clerks.....	10,870	4.7	12.20	25,380	9.66	14.13
Truck drivers, light or delivery services.....	9,650	4.2	11.81	24,560	9.55	13.36
Office clerks, general.....	8,670	3.8	11.99	24,940	9.13	13.67
Heating, air conditioning, and refrigeration mechanics and installers.....	8,230	3.6	18.95	39,410	14.18	23.16
General and operations managers.....	7,750	3.4	51.09	106,260	30.19	65.78
Sales representatives, wholesale and manufacturing, technical and scientific products.....	7,060	3.1	28.96	60,240	17.09	36.41
First-line supervisors/managers of non-retail sales workers.....	6,230	2.7	34.27	71,280	22.26	41.78

See footnotes at end of table.

Table 2. National employment and wage data for the 10 largest occupations by industry from the Occupational Employment Statistics survey, May 2003 - Continued

Occupation	Employment	Percent of industry employment	Mean wages		Percentiles	
			Hourly	Annual ¹	25th	75th
Machinery, equipment, and supplies merchant wholesalers (NAICS 423800)						
Sales representatives, wholesale and manufacturing, except technical and scientific products.....	101,200	15.5	\$ 24.53	\$ 51,020	\$ 15.88	\$ 29.21
Mobile heavy equipment mechanics, except engines.....	35,750	5.5	17.79	37,000	14.81	20.78
Office clerks, general.....	24,220	3.7	10.91	22,700	8.33	13.15
Farm equipment mechanics.....	22,830	3.5	13.69	28,470	10.79	16.28
General and operations managers.....	22,710	3.5	49.08	102,090	28.30	63.71
Parts salespersons.....	22,540	3.5	14.17	29,480	10.86	16.88
Sales representatives, wholesale and manufacturing, technical and scientific products.....	22,240	3.4	29.57	61,500	19.09	36.26
Shipping, receiving, and traffic clerks.....	22,110	3.4	12.42	25,830	9.78	14.33
Bookkeeping, accounting, and auditing clerks.....	20,910	3.2	13.69	28,480	10.46	16.31
Laborers and freight, stock, and material movers, hand.....	18,630	2.9	10.95	22,770	8.61	12.95
Miscellaneous durable goods merchant wholesalers (NAICS 423900)						
Laborers and freight, stock, and material movers, hand.....	39,910	15.0	9.77	20,320	7.67	11.19
Sales representatives, wholesale and manufacturing, except technical and scientific products.....	35,380	13.3	22.31	46,390	12.09	26.67
Truck drivers, heavy and tractor-trailer.....	9,990	3.8	15.13	31,480	12.01	17.54
Stock clerks and order fillers.....	9,390	3.5	10.43	21,700	8.48	11.72
Shipping, receiving, and traffic clerks.....	9,360	3.5	11.26	23,430	8.90	12.82
Team assemblers.....	9,130	3.4	9.94	20,680	7.77	11.11
Office clerks, general.....	8,480	3.2	10.81	22,490	8.25	12.93
General and operations managers.....	7,190	2.7	46.93	97,620	25.02	63.57
Bookkeeping, accounting, and auditing clerks.....	6,960	2.6	13.83	28,760	10.99	16.39
Industrial truck and tractor operators.....	6,840	2.6	12.03	25,020	9.58	13.79
Paper and paper product merchant wholesalers (NAICS 424100)						
Sales representatives, wholesale and manufacturing, except technical and scientific products.....	30,110	19.2	30.06	62,530	16.48	37.12
Stock clerks and order fillers.....	8,510	5.4	12.19	25,360	9.35	15.05
Laborers and freight, stock, and material movers, hand.....	8,000	5.1	11.84	24,630	9.30	14.09
Customer service representatives.....	7,990	5.1	15.36	31,940	12.25	17.65
Bookkeeping, accounting, and auditing clerks.....	6,700	4.3	13.88	28,860	10.80	16.74
Shipping, receiving, and traffic clerks.....	6,630	4.2	12.94	26,920	10.20	15.37
Truck drivers, light or delivery services.....	6,510	4.2	12.61	26,240	10.11	14.66
Truck drivers, heavy and tractor-trailer.....	5,150	3.3	16.85	35,040	13.70	19.65
Office clerks, general.....	4,920	3.1	11.27	23,430	8.04	13.88
Industrial truck and tractor operators.....	4,110	2.6	13.54	28,150	10.86	16.16
Drugs and druggists' sundries merchant wholesalers (NAICS 424200)						
Sales representatives, wholesale and manufacturing, technical and scientific products.....	40,230	19.0	30.90	64,270	22.03	37.88
Sales representatives, wholesale and manufacturing, except technical and scientific products.....	22,960	10.9	25.49	53,010	15.53	31.49
Stock clerks and order fillers.....	17,560	8.3	11.83	24,600	9.31	13.97
Laborers and freight, stock, and material movers, hand.....	7,770	3.7	10.84	22,550	8.43	12.75
Customer service representatives.....	6,530	3.1	13.75	28,590	11.21	16.03
Shipping, receiving, and traffic clerks.....	6,420	3.0	12.57	26,150	9.78	14.87
Pharmacy technicians.....	6,010	2.8	11.99	24,940	9.10	13.76
Bookkeeping, accounting, and auditing clerks.....	5,360	2.5	13.84	28,790	10.99	16.69
Truck drivers, light or delivery services.....	4,620	2.2	12.44	25,870	9.29	15.25
First-line supervisors/managers of non-retail sales workers.....	4,530	2.1	38.13	79,320	23.35	46.62
Apparel, piece goods, and notions merchant wholesalers (NAICS 424300)						
Sales representatives, wholesale and manufacturing, except technical and scientific products.....	20,610	13.6	29.62	61,600	15.77	38.19
Laborers and freight, stock, and material movers, hand.....	12,410	8.2	9.63	20,030	7.57	11.01
Shipping, receiving, and traffic clerks.....	8,660	5.7	11.79	24,520	9.00	13.66
Stock clerks and order fillers.....	8,210	5.4	10.23	21,280	7.94	11.69
Packers and packagers, hand.....	7,080	4.7	8.90	18,510	7.18	10.29
Office clerks, general.....	6,110	4.0	11.95	24,860	8.57	14.73
Retail salespersons.....	4,270	2.8	11.62	24,170	7.23	13.45
Fashion designers.....	3,980	2.6	32.06	66,690	21.26	39.68
General and operations managers.....	3,860	2.6	57.10	118,770	30.39	(?)
Order clerks.....	3,790	2.5	15.20	31,610	10.89	17.15
Grocery and related product wholesalers (NAICS 424400)						
Sales representatives, wholesale and manufacturing, except technical and scientific products.....	83,950	12.3	24.63	51,220	15.60	27.55
Truck drivers, heavy and tractor-trailer.....	58,610	8.6	17.70	36,820	14.11	20.73
Truck drivers, light or delivery services.....	36,200	5.3	13.35	27,770	10.26	15.92
Stock clerks and order fillers.....	32,880	4.8	11.83	24,610	9.27	14.05
Industrial truck and tractor operators.....	24,900	3.7	13.87	28,840	10.97	16.60
Packers and packagers, hand.....	18,800	2.8	9.52	19,800	7.37	11.14
Shipping, receiving, and traffic clerks.....	13,990	2.1	13.11	27,270	10.20	15.41
Office clerks, general.....	13,910	2.0	10.59	22,030	7.58	13.02
Packaging and filling machine operators and tenders.....	12,830	1.9	11.27	23,430	8.36	13.44
General and operations managers.....	12,520	1.8	46.43	96,570	26.50	57.84

See footnotes at end of table.

Table 2. National employment and wage data for the 10 largest occupations by industry from the Occupational Employment Statistics survey, May 2003 - Continued

Occupation	Employment	Percent of industry employment	Mean wages		Percentiles	
			Hourly	Annual ¹	25th	75th
Farm product raw material merchant wholesalers (NAICS 424500)						
Laborers and freight, stock, and material movers, hand.....	10,900	14.4	\$ 8.77	\$ 18,250	\$ 6.88	\$ 10.28
Farmworkers, farm and ranch animals.....	5,790	7.7	7.70	16,010	6.41	8.62
Conveyor operators and tenders.....	4,390	5.8	11.18	23,250	8.66	12.84
Truck drivers, heavy and tractor-trailer.....	4,230	5.6	12.91	26,850	9.96	15.45
Office clerks, general.....	3,660	4.8	9.14	19,010	7.11	10.64
Bookkeeping, accounting, and auditing clerks.....	3,560	4.7	11.54	24,010	9.23	13.54
Graders and sorters, agricultural products.....	3,220	4.3	10.01	20,810	7.50	11.51
General and operations managers.....	2,930	3.9	35.40	73,630	21.32	41.46
Sales representatives, wholesale and manufacturing, except technical and scientific products.....	2,900	3.8	22.41	46,610	13.05	25.16
Purchasing agents and buyers, farm products.....	2,140	2.8	21.58	44,890	15.06	25.85
Chemical and allied products merchant wholesalers (NAICS 424600)						
Sales representatives, wholesale and manufacturing, except technical and scientific products.....	16,650	12.7	29.40	61,140	17.18	35.59
Sales representatives, wholesale and manufacturing, technical and scientific products.....	10,030	7.7	31.45	65,410	20.17	39.69
Truck drivers, heavy and tractor-trailer.....	7,510	5.7	17.45	36,300	13.76	20.37
Laborers and freight, stock, and material movers, hand.....	7,040	5.4	11.54	24,000	8.84	13.97
General and operations managers.....	5,310	4.1	51.71	107,570	30.25	67.94
Truck drivers, light or delivery services.....	4,240	3.2	13.35	27,760	10.46	15.78
Office clerks, general.....	4,170	3.2	12.32	25,630	9.20	14.27
Shipping, receiving, and traffic clerks.....	3,760	2.9	13.85	28,810	10.51	16.31
Customer service representatives.....	3,490	2.7	15.79	32,850	12.54	18.24
Bookkeeping, accounting, and auditing clerks.....	3,340	2.6	14.82	30,820	11.44	17.79
Petroleum and petroleum products merchant wholesalers (NAICS 424700)						
Truck drivers, heavy and tractor-trailer.....	20,610	19.3	15.93	33,140	12.36	19.22
Cashiers.....	9,910	9.3	7.71	16,040	6.46	8.50
Sales representatives, wholesale and manufacturing, except technical and scientific products.....	7,630	7.1	24.88	51,750	15.13	31.25
Truck drivers, light or delivery services.....	4,930	4.6	12.92	26,880	10.37	15.20
Bookkeeping, accounting, and auditing clerks.....	4,820	4.5	12.96	26,950	9.62	15.29
General and operations managers.....	4,560	4.3	42.59	88,580	23.26	53.88
Office clerks, general.....	4,090	3.8	10.82	22,510	8.29	12.75
Maintenance and repair workers, general.....	2,370	2.2	14.44	30,030	10.59	17.76
Service station attendants.....	2,030	1.9	8.34	17,340	6.61	9.28
Secretaries, except legal, medical, and executive.....	1,970	1.8	11.33	23,570	8.91	13.14
Beer, wine, and distilled alcoholic beverage merchant wholesalers (NAICS 424800)						
Sales representatives, wholesale and manufacturing, except technical and scientific products.....	31,120	23.1	22.25	46,290	15.36	25.82
Laborers and freight, stock, and material movers, hand.....	10,850	8.0	11.14	23,180	8.70	13.03
Truck drivers, heavy and tractor-trailer.....	10,740	8.0	16.87	35,100	13.32	20.12
Driver/sales workers.....	10,330	7.7	16.34	34,000	12.30	19.83
Truck drivers, light or delivery services.....	9,080	6.7	14.10	29,320	10.69	16.73
Industrial truck and tractor operators.....	6,950	5.2	13.45	27,980	10.44	16.26
First-line supervisors/managers of non-retail sales workers.....	5,650	4.2	28.50	59,280	20.07	32.54
Sales managers.....	3,220	2.4	39.31	81,760	25.65	45.64
General and operations managers.....	3,100	2.3	52.13	108,420	28.98	(?)
Merchandise displayers and window trimmers.....	3,080	2.3	12.31	25,610	9.61	13.92
Miscellaneous nondurable goods merchant wholesalers (NAICS 424900)						
Sales representatives, wholesale and manufacturing, except technical and scientific products.....	48,800	13.1	21.97	45,700	13.52	26.13
Laborers and freight, stock, and material movers, hand.....	32,540	8.7	9.52	19,800	7.57	10.86
Stock clerks and order fillers.....	20,360	5.5	10.17	21,150	8.02	11.47
Truck drivers, light or delivery services.....	17,770	4.8	11.01	22,900	8.62	12.90
Truck drivers, heavy and tractor-trailer.....	13,250	3.6	13.56	28,200	10.14	16.29
Shipping, receiving, and traffic clerks.....	12,990	3.5	11.67	24,270	9.06	13.66
General and operations managers.....	10,790	2.9	42.87	89,160	23.05	53.70
Bookkeeping, accounting, and auditing clerks.....	10,710	2.9	12.79	26,610	9.78	15.06
Office clerks, general.....	10,380	2.8	10.96	22,800	8.58	12.80
Packers and packagers, hand.....	10,030	2.7	9.12	18,970	7.35	10.62
Wholesale electronic markets and agents and brokers (NAICS 425100)						
Sales representatives, wholesale and manufacturing, except technical and scientific products.....	168,310	25.7	29.86	62,100	15.80	36.73
Sales representatives, wholesale and manufacturing, technical and scientific products.....	42,880	6.5	35.59	74,030	22.28	45.05
Office clerks, general.....	33,270	5.1	11.13	23,150	7.70	13.81
Laborers and freight, stock, and material movers, hand.....	24,760	3.8	10.41	21,650	7.44	12.65
Secretaries, except legal, medical, and executive.....	17,810	2.7	12.70	26,420	9.08	16.41
Bookkeeping, accounting, and auditing clerks.....	15,770	2.4	14.22	29,590	10.38	18.10
First-line supervisors/managers of non-retail sales workers.....	15,630	2.4	45.49	94,610	24.59	55.80
Customer service representatives.....	15,470	2.4	15.13	31,470	11.84	18.12
General and operations managers.....	14,170	2.2	53.64	111,560	28.88	(?)
Truck drivers, light or delivery services.....	13,170	2.0	11.93	24,800	9.02	14.10

See footnotes at end of table.

Table 2. National employment and wage data for the 10 largest occupations by industry from the Occupational Employment Statistics survey, May 2003 - Continued

Occupation	Employment	Percent of industry employment	Mean wages		Percentiles	
			Hourly	Annual ¹	25th	75th
Automobile dealers (NAICS 441100)						
Retail salespersons.....	267,620	21.4	\$ 20.92	\$ 43,520	\$ 12.59	\$ 26.45
Automotive service technicians and mechanics.....	227,240	18.2	18.76	39,030	13.30	22.68
Cleaners of vehicles and equipment.....	80,030	6.4	9.38	19,500	7.35	10.70
Parts salespersons.....	65,860	5.3	15.62	32,500	10.87	19.30
First-line supervisors/managers of retail sales workers.....	53,280	4.3	34.21	71,170	21.32	42.54
Automotive body and related repairers.....	45,180	3.6	18.74	38,980	13.11	23.22
Office clerks, general.....	38,770	3.1	10.90	22,670	8.16	13.02
Bookkeeping, accounting, and auditing clerks.....	35,720	2.9	13.29	27,640	10.13	15.74
First-line supervisors/managers of mechanics, installers, and repairers.....	34,160	2.7	26.88	55,910	18.27	32.90
General and operations managers.....	30,590	2.5	54.85	114,090	28.99	(²)
Other motor vehicle dealers (NAICS 441200)						
Retail salespersons.....	29,820	20.1	16.16	33,610	9.37	20.08
Motorcycle mechanics.....	11,940	8.1	13.99	29,110	10.32	16.89
Parts salespersons.....	11,660	7.9	11.89	24,730	8.97	13.88
Motorboat mechanics.....	9,030	6.1	14.13	29,390	10.74	16.85
Recreational vehicle service technicians.....	8,380	5.7	13.93	28,970	10.53	16.80
First-line supervisors/managers of retail sales workers.....	7,170	4.8	23.15	48,150	14.69	27.91
General and operations managers.....	6,170	4.2	38.77	80,630	20.32	47.62
Office clerks, general.....	5,300	3.6	10.30	21,420	7.84	12.15
Bookkeeping, accounting, and auditing clerks.....	5,100	3.4	13.08	27,200	9.85	15.71
First-line supervisors/managers of mechanics, installers, and repairers.....	4,470	3.0	20.52	42,680	15.07	24.24
Automotive parts, accessories, and tire stores (NAICS 441300)						
Parts salespersons.....	65,050	13.5	10.34	21,510	7.86	11.83
Automotive service technicians and mechanics.....	57,920	12.1	13.79	28,690	9.40	16.97
Tire repairers and changers.....	53,090	11.1	10.59	22,030	8.25	12.02
Retail salespersons.....	47,540	9.9	12.51	26,030	8.28	14.73
First-line supervisors/managers of retail sales workers.....	35,660	7.4	17.24	35,860	11.86	20.16
Truck drivers, light or delivery services.....	35,560	7.4	8.31	17,280	6.96	9.10
First-line supervisors/managers of mechanics, installers, and repairers.....	15,670	3.3	19.57	40,700	14.76	22.59
General and operations managers.....	13,890	2.9	30.52	63,480	18.92	34.42
Cashiers.....	12,840	2.7	8.22	17,090	7.00	8.92
Sales representatives, wholesale and manufacturing, except technical and scientific products.....	12,800	2.7	17.78	36,980	11.00	22.25
Furniture stores (NAICS 442100)						
Retail salespersons.....	95,130	33.6	13.98	29,080	8.61	17.25
Truck drivers, light or delivery services.....	26,960	9.5	10.01	20,820	7.84	11.50
Laborers and freight, stock, and material movers, hand.....	19,690	7.0	9.64	20,060	7.67	11.06
First-line supervisors/managers of retail sales workers.....	16,450	5.8	21.33	44,370	14.09	25.30
Office clerks, general.....	9,590	3.4	10.80	22,460	8.09	12.56
General and operations managers.....	8,510	3.0	38.77	80,640	21.99	47.67
Bookkeeping, accounting, and auditing clerks.....	7,040	2.5	12.68	26,370	9.59	15.04
Cashiers.....	6,950	2.5	8.88	18,480	7.25	10.08
Interior designers.....	6,700	2.4	20.22	42,060	13.62	23.46
Shipping, receiving, and traffic clerks.....	6,650	2.4	11.81	24,560	9.12	13.58
Home furnishings stores (NAICS 442200)						
Retail salespersons.....	104,940	39.1	12.10	25,160	8.03	13.73
First-line supervisors/managers of retail sales workers.....	19,860	7.4	19.85	41,300	13.28	23.36
Cashiers.....	17,260	6.4	8.50	17,680	7.10	9.37
Carpet installers.....	13,260	4.9	16.24	33,780	10.98	20.49
Stock clerks and order fillers.....	10,890	4.1	9.69	20,160	7.70	10.99
Laborers and freight, stock, and material movers, hand.....	8,660	3.2	9.92	20,640	7.68	11.60
Office clerks, general.....	7,080	2.6	10.65	22,150	7.63	12.93
Bookkeeping, accounting, and auditing clerks.....	6,660	2.5	13.50	28,080	10.00	15.79
General and operations managers.....	6,110	2.3	35.42	73,670	20.42	40.19
Sales representatives, wholesale and manufacturing, except technical and scientific products.....	5,330	2.0	25.89	53,860	15.73	32.43
Electronics and appliance stores (NAICS 443100)						
Retail salespersons.....	157,000	30.0	12.17	25,310	7.96	14.03
Cashiers.....	32,690	6.2	8.56	17,810	7.10	9.63
First-line supervisors/managers of retail sales workers.....	30,120	5.8	19.65	40,880	12.86	23.56
Computer, automated teller, and office machine repairers.....	21,890	4.2	14.88	30,950	10.72	17.70
Customer service representatives.....	14,260	2.7	12.08	25,130	8.62	14.10
General and operations managers.....	14,010	2.7	38.92	80,950	21.39	47.80
Home appliance repairers.....	13,200	2.5	14.27	29,680	10.31	17.49
Stock clerks and order fillers.....	12,060	2.3	10.08	20,960	7.88	11.89
Electronic home entertainment equipment installers and repairers.....	11,450	2.2	13.84	28,780	10.14	16.80
Bookkeeping, accounting, and auditing clerks.....	11,270	2.2	12.64	26,290	9.45	15.32

See footnotes at end of table.

Table 2. National employment and wage data for the 10 largest occupations by industry from the Occupational Employment Statistics survey, May 2003 - Continued

Occupation	Employment	Percent of industry employment	Mean wages		Percentiles	
			Hourly	Annual ¹	25th	75th
Building material and supplies dealers (NAICS 444100)						
Retail salespersons.....	335,010	32.1	\$ 11.92	\$ 24,800	\$ 8.43	\$ 13.61
Cashiers.....	118,500	11.4	9.01	18,740	7.33	10.33
First-line supervisors/managers of retail sales workers.....	73,090	7.0	18.11	37,670	12.85	20.63
Laborers and freight, stock, and material movers, hand.....	61,030	5.9	10.09	20,990	7.95	11.41
Sales representatives, wholesale and manufacturing, except technical and scientific products.....	38,380	3.7	21.90	45,540	13.72	25.36
Stock clerks and order fillers.....	35,720	3.4	10.11	21,030	7.94	11.66
Truck drivers, light or delivery services.....	35,120	3.4	11.28	23,450	9.08	13.23
Shipping, receiving, and traffic clerks.....	27,110	2.6	11.70	24,350	9.22	13.77
General and operations managers.....	24,590	2.4	35.88	74,630	20.73	42.24
Truck drivers, heavy and tractor-trailer.....	20,280	2.0	13.56	28,210	10.75	15.92
Lawn and garden equipment and supplies stores (NAICS 444200)						
Retail salespersons.....	29,430	18.5	10.20	21,210	7.54	11.38
Cashiers.....	13,970	8.8	8.20	17,070	6.84	9.28
Landscaping and groundskeeping workers.....	12,450	7.8	10.07	20,940	7.90	11.55
Laborers and freight, stock, and material movers, hand.....	10,260	6.5	8.70	18,090	7.08	10.00
Outdoor power equipment and other small engine mechanics.....	7,300	4.6	11.95	24,860	9.27	14.17
First-line supervisors/managers of retail sales workers.....	7,270	4.6	17.25	35,870	12.22	20.71
General and operations managers.....	4,610	2.9	30.94	64,350	18.80	34.91
Sales representatives, wholesale and manufacturing, except technical and scientific products.....	4,260	2.7	19.78	41,150	12.57	23.40
Truck drivers, light or delivery services.....	4,120	2.6	10.93	22,740	8.55	12.92
Bookkeeping, accounting, and auditing clerks.....	4,050	2.6	11.97	24,910	9.29	14.11
Grocery stores (NAICS 445100)						
Cashiers.....	824,050	33.3	8.76	18,230	6.56	9.67
Stock clerks and order fillers.....	402,540	16.3	9.56	19,880	7.19	11.13
Packers and packagers, hand.....	222,090	9.0	7.35	15,280	6.27	7.95
First-line supervisors/managers of retail sales workers.....	136,660	5.5	15.54	32,320	11.50	18.55
Combined food preparation and serving workers, including fast food.....	107,080	4.3	8.64	17,980	6.95	10.03
Food preparation workers.....	106,960	4.3	9.18	19,100	7.16	10.75
Butchers and meat cutters.....	88,100	3.6	13.61	28,300	9.87	17.21
Retail salespersons.....	50,900	2.1	9.82	20,430	7.55	11.33
Customer service representatives.....	48,200	2.0	9.10	18,940	6.81	10.63
Bakers.....	44,610	1.8	10.60	22,040	8.01	12.73
Specialty food stores (NAICS 445200)						
Cashiers.....	38,100	15.0	8.13	16,920	6.70	8.86
Retail salespersons.....	26,950	10.6	9.32	19,390	7.01	10.60
Driver/sales workers.....	13,580	5.3	15.14	31,490	11.00	18.53
Combined food preparation and serving workers, including fast food.....	12,960	5.1	7.96	16,570	6.86	8.72
Stock clerks and order fillers.....	10,500	4.1	9.18	19,100	7.10	10.50
Laborers and freight, stock, and material movers, hand.....	9,960	3.9	10.14	21,100	7.53	12.40
First-line supervisors/managers of retail sales workers.....	9,810	3.9	14.58	30,330	10.42	17.02
Truck drivers, light or delivery services.....	8,440	3.3	12.24	25,470	8.94	15.23
Sales representatives, wholesale and manufacturing, except technical and scientific products.....	8,250	3.2	21.75	45,240	13.95	25.47
Packers and packagers, hand.....	7,170	2.8	8.12	16,900	6.63	9.00
Beer, wine, and liquor stores (NAICS 445300)						
Cashiers.....	53,270	38.2	8.16	16,960	6.82	9.03
Retail salespersons.....	21,900	15.7	9.13	18,990	6.98	10.07
First-line supervisors/managers of retail sales workers.....	13,110	9.4	15.36	31,940	10.44	18.15
Stock clerks and order fillers.....	8,660	6.2	8.59	17,860	7.07	9.70
Sales representatives, wholesale and manufacturing, except technical and scientific products.....	6,980	5.0	20.80	43,260	14.91	24.75
Laborers and freight, stock, and material movers, hand.....	3,600	2.6	10.13	21,060	7.45	12.45
Truck drivers, light or delivery services.....	3,160	2.3	12.90	26,830	9.84	15.84
General and operations managers.....	2,810	2.0	34.07	70,860	18.77	39.60
Driver/sales workers.....	2,590	1.9	15.72	32,700	12.74	18.43
Truck drivers, heavy and tractor-trailer.....	2,180	1.6	16.79	34,920	12.79	20.57
Health and personal care stores (NAICS 446100)						
Cashiers.....	259,370	27.8	7.68	15,970	6.45	8.55
Pharmacy technicians.....	103,020	11.0	10.54	21,930	8.36	12.18
Retail salespersons.....	98,710	10.6	9.77	20,320	6.93	10.79
Pharmacists.....	95,250	10.2	38.34	79,750	32.80	43.52
First-line supervisors/managers of retail sales workers.....	57,600	6.2	15.77	32,790	12.01	18.18
Pharmacy aides.....	44,470	4.8	8.77	18,240	7.23	10.18
General and operations managers.....	30,430	3.3	27.07	56,300	14.40	31.03
Stock clerks and order fillers.....	30,220	3.2	9.13	18,980	7.12	10.62
Opticians, dispensing.....	24,580	2.6	14.42	30,000	9.64	17.64
Sales representatives, wholesale and manufacturing, except technical and scientific products.....	10,040	1.1	24.63	51,230	13.13	27.37

See footnotes at end of table.

Table 2. National employment and wage data for the 10 largest occupations by industry from the Occupational Employment Statistics survey, May 2003 - Continued

Occupation	Employment	Percent of industry employment	Mean wages		Percentiles	
			Hourly	Annual ¹	25th	75th
Gasoline stations (NAICS 447100)						
Cashiers.....	508,680	57.3	\$ 7.46	\$ 15,520	\$ 6.44	\$ 8.38
First-line supervisors/managers of retail sales workers.....	90,000	10.1	13.16	27,370	9.84	15.61
Service station attendants.....	40,450	4.6	7.99	16,610	6.82	8.70
Automotive service technicians and mechanics.....	29,200	3.3	14.29	29,720	10.06	17.33
Retail salespersons.....	27,160	3.1	9.18	19,090	6.85	9.69
Combined food preparation and serving workers, including fast food.....	18,510	2.1	7.30	15,180	6.28	8.17
Cooks, short order.....	14,390	1.6	7.32	15,230	6.27	8.27
General and operations managers.....	14,040	1.6	25.41	52,850	14.58	28.95
Waiters and waitresses.....	11,900	1.3	6.87	14,290	6.00	7.12
Food preparation workers.....	10,480	1.2	7.40	15,380	6.31	8.28
Clothing stores (NAICS 448100)						
Retail salespersons.....	572,230	58.6	8.79	18,280	6.88	9.47
First-line supervisors/managers of retail sales workers.....	119,200	12.2	15.21	31,640	11.18	17.44
Cashiers.....	106,640	10.9	7.86	16,350	6.71	8.67
Stock clerks and order fillers.....	32,190	3.3	8.72	18,130	7.12	9.98
General and operations managers.....	15,950	1.6	29.61	61,590	18.61	31.70
Shipping, receiving, and traffic clerks.....	13,810	1.4	10.00	20,810	7.93	11.45
Tailors, dressmakers, and custom sewers.....	13,340	1.4	12.52	26,040	9.10	15.27
Customer service representatives.....	7,600	0.8	10.65	22,140	8.01	12.61
Bookkeeping, accounting, and auditing clerks.....	6,970	0.7	12.38	25,760	9.39	14.86
Sewing machine operators.....	6,700	0.7	10.52	21,880	7.71	11.94
Shoe stores (NAICS 448200)						
Retail salespersons.....	118,830	66.2	8.31	17,290	6.66	8.89
First-line supervisors/managers of retail sales workers.....	29,140	16.2	15.37	31,980	11.07	17.56
Cashiers.....	11,240	6.3	7.97	16,570	6.62	8.74
Stock clerks and order fillers.....	4,390	2.5	8.13	16,920	6.81	9.07
General and operations managers.....	3,400	1.9	26.75	55,640	15.79	28.92
Shipping, receiving, and traffic clerks.....	1,460	0.8	11.27	23,430	8.27	13.13
Bookkeeping, accounting, and auditing clerks.....	1,320	0.7	12.66	26,330	8.26	15.96
Wholesale and retail buyers, except farm products.....	720	0.4	21.78	45,300	13.41	26.18
Sales managers.....	680	0.4	37.23	77,450	23.20	45.28
Office clerks, general.....	590	0.3	10.02	20,840	7.64	11.72
Jewelry, luggage, and leather goods stores (NAICS 448300)						
Retail salespersons.....	99,180	57.8	10.67	22,200	7.47	12.16
First-line supervisors/managers of retail sales workers.....	19,140	11.2	19.06	39,640	12.01	21.83
Jewelers and precious stone and metal workers.....	13,180	7.7	16.41	34,130	11.85	19.15
Cashiers.....	5,250	3.1	8.13	16,910	6.83	9.04
Office clerks, general.....	4,100	2.4	10.47	21,780	7.54	12.40
General and operations managers.....	3,850	2.3	37.22	77,410	20.28	47.21
Bookkeeping, accounting, and auditing clerks.....	3,330	1.9	13.66	28,410	10.08	16.72
Watch repairers.....	2,340	1.4	14.99	31,180	9.96	18.37
Shipping, receiving, and traffic clerks.....	1,490	0.9	11.01	22,900	7.90	13.48
Secretaries, except legal, medical, and executive.....	1,000	0.6	12.19	25,350	9.10	15.48
Sporting goods, hobby, and musical instrument stores (NAICS 451100)						
Retail salespersons.....	202,420	44.6	9.06	18,850	6.99	10.04
Cashiers.....	81,160	17.9	7.70	16,020	6.66	8.54
First-line supervisors/managers of retail sales workers.....	40,930	9.0	15.63	32,520	10.86	18.28
General and operations managers.....	9,510	2.1	29.93	62,250	18.64	33.64
Stock clerks and order fillers.....	7,970	1.8	8.89	18,490	6.98	10.02
Bookkeeping, accounting, and auditing clerks.....	7,130	1.6	11.55	24,010	8.74	13.92
Shipping, receiving, and traffic clerks.....	6,640	1.5	9.91	20,600	7.96	11.36
Bicycle repairers.....	6,410	1.4	9.90	20,600	7.81	11.62
Office clerks, general.....	5,620	1.2	10.02	20,850	7.72	11.91
Sales representatives, wholesale and manufacturing, except technical and scientific products.....	5,450	1.2	19.90	41,400	11.70	23.46
Book, periodical, and music stores (NAICS 451200)						
Retail salespersons.....	87,280	39.8	8.00	16,640	6.58	8.76
Cashiers.....	44,180	20.2	7.39	15,360	6.39	8.23
First-line supervisors/managers of retail sales workers.....	22,900	10.5	13.60	28,280	10.00	16.01
Stock clerks and order fillers.....	7,380	3.4	8.77	18,250	7.33	9.98
General and operations managers.....	4,030	1.8	27.37	56,940	16.97	31.09
Sales representatives, wholesale and manufacturing, except technical and scientific products.....	3,850	1.8	23.17	48,190	12.68	28.64
Shipping, receiving, and traffic clerks.....	3,750	1.7	9.76	20,300	7.92	11.07
Counter attendants, cafeteria, food concession, and coffee shop.....	3,550	1.6	7.81	16,240	6.91	8.55
Wholesale and retail buyers, except farm products.....	2,700	1.2	15.70	32,660	10.51	18.15
Bookkeeping, accounting, and auditing clerks.....	2,650	1.2	11.57	24,060	9.01	13.20

See footnotes at end of table.

Table 2. National employment and wage data for the 10 largest occupations by industry from the Occupational Employment Statistics survey, May 2003 - Continued

Occupation	Employment	Percent of industry employment	Mean wages		Percentiles	
			Hourly	Annual ¹	25th	75th
Department stores (NAICS 452100)						
Retail salespersons.....	675,810	40.6	\$ 8.97	\$ 18,660	\$ 7.18	\$ 10.15
Stock clerks and order fillers.....	219,180	13.2	8.88	18,480	7.45	10.16
Cashiers.....	212,140	12.8	7.86	16,340	6.85	8.57
First-line supervisors/managers of retail sales workers.....	61,530	3.7	15.14	31,490	10.57	18.66
Shipping, receiving, and traffic clerks.....	46,370	2.8	8.80	18,300	7.21	10.06
First-line supervisors/managers of office and administrative support workers.....	30,660	1.8	12.30	25,580	9.13	14.43
Customer service representatives.....	27,820	1.7	9.63	20,030	7.81	10.97
Security guards.....	19,420	1.2	10.29	21,390	8.14	11.14
Janitors and cleaners, except maids and housekeeping cleaners.....	18,800	1.1	9.16	19,050	7.64	10.39
General and operations managers.....	14,190	0.9	32.96	68,550	22.05	40.04
Other general merchandise stores (NAICS 452900)						
Retail salespersons.....	285,730	23.8	8.52	17,710	6.86	9.71
Cashiers.....	266,720	22.3	8.02	16,680	6.51	8.75
Stock clerks and order fillers.....	141,090	11.8	9.06	18,850	7.31	10.41
First-line supervisors/managers of retail sales workers.....	67,900	5.7	13.56	28,210	9.24	16.97
Customer service representatives.....	26,380	2.2	10.54	21,920	8.04	12.58
First-line supervisors/managers of office and administrative support workers.....	23,860	2.0	11.46	23,830	8.50	13.44
Packers and packagers, hand.....	20,890	1.7	8.27	17,210	6.35	9.61
Janitors and cleaners, except maids and housekeeping cleaners.....	19,900	1.7	9.25	19,230	7.45	10.52
Shipping, receiving, and traffic clerks.....	17,920	1.5	10.63	22,110	7.97	12.78
General and operations managers.....	15,080	1.3	25.03	52,050	16.90	28.62
Florists (NAICS 453100)						
Floral designers.....	48,850	41.4	9.78	20,350	7.50	11.29
Retail salespersons.....	21,630	18.4	8.38	17,420	6.69	9.38
Truck drivers, light or delivery services.....	15,950	13.5	8.22	17,090	6.87	9.24
Cashiers.....	4,260	3.6	7.59	15,790	6.44	8.57
First-line supervisors/managers of retail sales workers.....	4,070	3.5	15.67	32,590	10.47	18.18
Bookkeeping, accounting, and auditing clerks.....	2,820	2.4	11.48	23,890	8.54	13.58
General and operations managers.....	2,310	2.0	24.95	51,900	14.65	30.89
Driver/sales workers.....	2,180	1.9	8.78	18,270	6.94	10.16
Office clerks, general.....	2,090	1.8	9.19	19,120	6.81	11.23
Farmworkers and laborers, crop, nursery, and greenhouse.....	1,450	1.2	8.32	17,300	6.54	9.87
Office supplies, stationery, and gift stores (NAICS 453200)						
Retail salespersons.....	152,800	35.7	8.67	18,040	6.81	9.57
Cashiers.....	70,260	16.4	7.64	15,900	6.60	8.47
First-line supervisors/managers of retail sales workers.....	33,710	7.9	14.73	30,630	10.41	17.09
Stock clerks and order fillers.....	19,420	4.5	9.12	18,970	7.52	10.45
Sales representatives, wholesale and manufacturing, except technical and scientific products.....	15,940	3.7	21.28	44,250	11.98	25.97
Computer, automated teller, and office machine repairers.....	12,090	2.8	16.01	33,290	12.69	18.61
General and operations managers.....	10,420	2.4	32.66	67,940	19.99	36.11
Customer service representatives.....	8,010	1.9	11.66	24,250	8.83	13.87
Shipping, receiving, and traffic clerks.....	6,970	1.6	10.73	22,320	8.52	12.63
Bookkeeping, accounting, and auditing clerks.....	6,950	1.6	12.63	26,280	9.83	14.81
Used merchandise stores (NAICS 453300)						
Retail salespersons.....	38,250	35.2	8.88	18,470	6.60	9.81
Cashiers.....	18,370	16.9	7.53	15,670	6.49	8.38
First-line supervisors/managers of retail sales workers.....	8,510	7.8	14.34	29,820	9.65	16.16
Stock clerks and order fillers.....	8,380	7.7	7.79	16,210	6.65	8.60
Laborers and freight, stock, and material movers, hand.....	7,170	6.6	8.17	16,990	6.84	8.82
Truck drivers, light or delivery services.....	2,750	2.5	10.47	21,780	8.00	11.72
General and operations managers.....	2,370	2.2	28.89	60,090	15.66	30.88
Office clerks, general.....	1,870	1.7	9.38	19,510	6.79	11.17
Shipping, receiving, and traffic clerks.....	1,720	1.6	8.78	18,260	6.59	9.92
Inspectors, testers, sorters, samplers, and weighers.....	1,330	1.2	7.61	15,820	6.79	8.36
Other miscellaneous store retailers (NAICS 453900)						
Retail salespersons.....	105,340	35.0	10.54	21,930	7.18	11.19
Cashiers.....	32,800	10.9	7.59	15,780	6.62	8.37
First-line supervisors/managers of retail sales workers.....	23,520	7.8	17.54	36,490	10.83	20.17
Stock clerks and order fillers.....	10,150	3.4	8.26	17,190	6.97	9.27
Sales representatives, wholesale and manufacturing, except technical and scientific products.....	8,280	2.8	19.89	41,360	11.20	25.06
General and operations managers.....	8,170	2.7	33.18	69,000	18.36	39.62
Nonfarm animal caretakers.....	7,840	2.6	8.06	16,760	6.89	8.78
Office clerks, general.....	7,110	2.4	9.60	19,960	6.79	11.48
Manufactured building and mobile home installers.....	6,480	2.2	11.52	23,950	9.06	13.44
Laborers and freight, stock, and material movers, hand.....	5,820	1.9	9.67	20,120	7.47	11.25

See footnotes at end of table.

Table 2. National employment and wage data for the 10 largest occupations by industry from the Occupational Employment Statistics survey, May 2003 - Continued

Occupation	Employment	Percent of industry employment	Mean wages		Percentiles	
			Hourly	Annual ¹	25th	75th
Electronic shopping and mail-order houses (NAICS 454100)						
Customer service representatives.....	33,810	15.0	\$ 11.08	\$ 23,040	\$ 9.03	\$ 12.71
Order clerks.....	22,460	10.0	10.59	22,020	8.25	11.83
Shipping, receiving, and traffic clerks.....	12,550	5.6	10.43	21,690	8.46	12.02
Retail salespersons.....	11,040	4.9	11.94	24,840	7.78	13.26
Stock clerks and order fillers.....	10,470	4.6	9.88	20,540	8.00	11.44
Packers and packagers, hand.....	8,690	3.9	9.50	19,760	7.55	10.89
Laborers and freight, stock, and material movers, hand.....	7,480	3.3	10.55	21,950	8.56	12.12
First-line supervisors/managers of office and administrative support workers.....	5,220	2.3	19.32	40,180	14.31	23.57
Office clerks, general.....	4,840	2.2	11.47	23,860	9.07	13.65
Sales representatives, wholesale and manufacturing, except technical and scientific products.....	4,510	2.0	17.72	36,850	11.88	20.33
Vending machine operators (NAICS 454200)						
Coin, vending, and amusement machine servicers and repairers.....	10,530	19.0	12.44	25,860	9.24	15.41
Combined food preparation and serving workers, including fast food.....	2,850	5.1	8.74	18,180	7.38	9.90
Food preparation workers.....	2,770	5.0	8.36	17,400	7.20	9.36
Truck drivers, light or delivery services.....	2,640	4.8	11.81	24,560	8.63	14.37
General and operations managers.....	1,700	3.1	32.55	67,700	18.87	39.42
Counter attendants, cafeteria, food concession, and coffee shop.....	1,670	3.0	7.89	16,410	6.77	8.70
Office clerks, general.....	1,650	3.0	10.08	20,970	7.85	12.14
Bookkeeping, accounting, and auditing clerks.....	1,410	2.5	12.52	26,030	9.43	14.26
Laborers and freight, stock, and material movers, hand.....	1,230	2.2	9.18	19,090	7.30	10.73
First-line supervisors/managers of food preparation and serving workers.....	1,120	2.0	14.04	29,200	11.04	16.55
Direct selling establishments (NAICS 454300)						
Truck drivers, heavy and tractor-trailer.....	21,210	13.4	15.62	32,490	12.52	18.17
Telemarketers.....	13,290	8.4	11.06	22,990	8.06	12.23
Heating, air conditioning, and refrigeration mechanics and installers.....	11,450	7.2	17.45	36,290	13.93	20.87
Driver/sales workers.....	10,520	6.7	13.71	28,520	10.08	16.69
Truck drivers, light or delivery services.....	10,060	6.4	12.50	26,000	9.83	14.54
Office clerks, general.....	7,220	4.6	10.69	22,240	8.37	12.42
Retail salespersons.....	6,180	3.9	12.49	25,990	7.89	14.04
Customer service representatives.....	5,900	3.7	11.60	24,120	9.48	13.17
General and operations managers.....	5,810	3.7	35.19	73,200	20.51	41.90
Cashiers.....	5,010	3.2	7.71	16,030	6.55	8.55
Scheduled air transportation (NAICS 481100)						
Flight attendants.....	100,580	20.1	(³)	48,010	(³)	(³)
Reservation and transportation ticket agents and travel clerks.....	99,910	19.9	15.13	31,470	10.83	19.68
Airline pilots, copilots, and flight engineers.....	64,410	12.9	(³)	142,110	(³)	(³)
Aircraft mechanics and service technicians.....	43,650	8.7	23.77	49,440	19.29	28.67
Customer service representatives.....	24,960	5.0	14.74	30,660	10.55	19.30
Baggage porters and bellhops.....	10,530	2.1	17.04	35,440	12.02	20.96
First-line supervisors/managers of office and administrative support workers.....	9,670	1.9	22.11	45,990	17.57	25.93
Cargo and freight agents.....	7,690	1.5	15.67	32,580	11.02	19.93
Laborers and freight, stock, and material movers, hand.....	7,320	1.5	11.35	23,600	8.98	13.12
Maintenance and repair workers, general.....	6,390	1.3	19.88	41,360	14.09	25.44
Nonscheduled air transportation (NAICS 481200)						
Commercial pilots.....	6,030	14.2	(³)	52,190	(³)	(³)
Airline pilots, copilots, and flight engineers.....	5,870	13.8	(³)	76,630	(³)	(³)
Aircraft mechanics and service technicians.....	5,870	13.8	20.77	43,190	15.97	25.11
Reservation and transportation ticket agents and travel clerks.....	2,140	5.0	11.98	24,920	9.24	13.37
Flight attendants.....	1,630	3.8	(³)	40,740	(³)	(³)
General and operations managers.....	1,100	2.6	48.53	100,940	27.76	60.65
Office clerks, general.....	980	2.3	11.84	24,630	8.87	14.29
Truck drivers, light or delivery services.....	870	2.1	12.21	25,390	9.29	14.02
Bookkeeping, accounting, and auditing clerks.....	760	1.8	14.15	29,440	10.88	16.99
First-line supervisors/managers of mechanics, installers, and repairers.....	690	1.6	29.84	62,070	23.95	35.09
Rail transportation (NAICS 482100)						
Railroad conductors and yardmasters.....	30,920	14.1	24.78	51,530	17.74	32.22
Locomotive engineers.....	29,620	13.5	24.74	51,450	16.87	32.31
Railroad brake, signal, and switch operators.....	12,880	5.9	23.41	48,690	18.06	28.95
Office clerks, general.....	12,860	5.9	15.92	33,120	11.80	20.04
Rail car repairers.....	8,770	4.0	19.44	40,430	18.22	21.40
Rail-track laying and maintenance equipment operators.....	8,450	3.9	17.86	37,150	15.51	20.53
Signal and track switch repairers.....	7,370	3.4	21.34	44,390	18.93	23.52
Machinists.....	5,770	2.6	20.32	42,260	18.85	21.89
First-line supervisors/managers of mechanics, installers, and repairers.....	4,720	2.2	25.67	53,390	21.43	28.89
Welders, cutters, solderers, and brazers.....	4,100	1.9	19.73	41,040	18.32	21.47

See footnotes at end of table.

Table 2. National employment and wage data for the 10 largest occupations by industry from the Occupational Employment Statistics survey, May 2003 - Continued

Occupation	Employment	Percent of industry employment	Mean wages		Percentiles	
			Hourly	Annual ¹	25th	75th
Deep sea, coastal, and great lakes water transportation (NAICS 483100)						
Sailors and marine oilers.....	4,500	13.8	\$ 15.69	\$ 32,630	\$ 11.10	\$ 19.96
Captains, mates, and pilots of water vessels.....	3,770	11.6	26.55	55,230	19.32	33.86
Ship engineers.....	1,840	5.7	28.07	58,390	21.48	33.85
Reservation and transportation ticket agents and travel clerks.....	1,270	3.9	11.41	23,740	8.77	12.79
Customer service representatives.....	1,200	3.7	14.98	31,150	12.15	17.52
Transportation attendants, except flight attendants and baggage porters.....	780	2.4	9.80	20,390	7.62	11.81
Bookkeeping, accounting, and auditing clerks.....	720	2.2	15.49	32,230	12.00	18.35
Executive secretaries and administrative assistants.....	620	1.9	17.98	37,390	13.73	21.33
Secretaries, except legal, medical, and executive.....	570	1.8	14.99	31,180	12.69	17.22
First-line supervisors/managers of office and administrative support workers.....	560	1.7	22.09	45,940	16.97	26.00
Inland water transportation (NAICS 483200)						
Sailors and marine oilers.....	5,770	28.2	16.39	34,090	12.44	20.23
Captains, mates, and pilots of water vessels.....	4,370	21.4	25.93	53,940	18.70	31.00
Ship engineers.....	2,210	10.8	26.92	56,000	21.31	33.25
Riggers.....	630	3.1	15.82	32,910	14.80	16.85
Laborers and freight, stock, and material movers, hand.....	610	3.0	11.27	23,440	8.27	13.59
General and operations managers.....	360	1.8	42.63	88,670	26.68	53.51
Cooks, institution and cafeteria.....	320	1.6	13.31	27,680	9.63	16.64
Motorboat operators.....	260	1.3	12.71	26,450	10.31	13.61
First-line supervisors/managers of transportation and material-moving machine and vehicle operators.....	240	1.2	27.41	57,000	17.99	34.01
Dispatchers, except police, fire, and ambulance.....	230	1.1	18.13	37,710	13.01	22.04
General freight trucking (NAICS 484100)						
Truck drivers, heavy and tractor-trailer.....	526,160	55.9	17.66	36,730	14.06	21.02
Laborers and freight, stock, and material movers, hand.....	59,670	6.3	13.54	28,170	9.88	17.27
Truck drivers, light or delivery services.....	48,550	5.2	14.75	30,670	10.71	18.84
Bus and truck mechanics and diesel engine specialists.....	30,970	3.3	16.04	33,360	12.61	19.55
Dispatchers, except police, fire, and ambulance.....	24,050	2.6	17.74	36,900	13.07	21.81
Office clerks, general.....	23,650	2.5	11.60	24,130	8.51	13.88
Industrial truck and tractor operators.....	23,550	2.5	15.30	31,820	11.88	19.05
First-line supervisors/managers of transportation and material-moving machine and vehicle operators.....	20,070	2.1	22.24	46,260	17.68	26.09
General and operations managers.....	13,230	1.4	37.84	78,700	23.44	43.85
Customer service representatives.....	11,310	1.2	14.23	29,600	11.11	17.02
Specialized freight trucking (NAICS 484200)						
Truck drivers, heavy and tractor-trailer.....	191,480	48.4	16.29	33,880	12.16	19.65
Laborers and freight, stock, and material movers, hand.....	36,180	9.2	10.83	22,530	8.47	12.44
Truck drivers, light or delivery services.....	25,350	6.4	13.26	27,590	10.18	15.86
Bus and truck mechanics and diesel engine specialists.....	12,440	3.2	15.39	32,010	11.94	18.34
Office clerks, general.....	10,420	2.6	11.06	23,010	8.13	13.40
First-line supervisors/managers of transportation and material-moving machine and vehicle operators.....	8,660	2.2	22.08	45,930	16.29	25.90
General and operations managers.....	7,870	2.0	36.98	76,910	21.18	45.00
Dispatchers, except police, fire, and ambulance.....	7,550	1.9	17.45	36,300	13.38	20.92
Bookkeeping, accounting, and auditing clerks.....	6,270	1.6	13.36	27,790	10.14	16.21
Packers and packagers, hand.....	5,640	1.4	10.11	21,030	8.04	11.59
Urban transit systems (NAICS 485100)						
Bus drivers, transit and intercity.....	18,010	48.3	15.15	31,520	11.05	19.15
Bus and truck mechanics and diesel engine specialists.....	2,330	6.2	18.86	39,230	15.82	21.16
Truck drivers, heavy and tractor-trailer.....	2,290	6.1	17.58	36,560	12.18	21.63
Dispatchers, except police, fire, and ambulance.....	960	2.6	14.12	29,380	10.16	17.27
First-line supervisors/managers of transportation and material-moving machine and vehicle operators.....	920	2.5	22.48	46,750	16.70	26.70
Bus drivers, school.....	810	2.2	12.37	25,740	10.13	14.57
Cleaners of vehicles and equipment.....	720	1.9	11.89	24,740	9.40	14.27
Rail car repairers.....	620	1.7	19.35	40,240	18.33	21.09
Office clerks, general.....	530	1.4	12.01	24,980	9.30	13.87
First-line supervisors/managers of mechanics, installers, and repairers.....	470	1.3	25.63	53,300	20.66	30.61
Interurban and rural bus transportation (NAICS 485200)						
Bus drivers, transit and intercity.....	11,290	50.7	14.67	30,510	10.89	18.73
Bus and truck mechanics and diesel engine specialists.....	1,040	4.7	17.66	36,730	14.95	20.54
Dispatchers, except police, fire, and ambulance.....	450	2.0	12.88	26,790	9.89	15.58
First-line supervisors/managers of transportation and material-moving machine and vehicle operators.....	380	1.7	18.23	37,920	14.49	22.10
Office clerks, general.....	250	1.1	10.92	22,710	8.57	12.79
Cleaners of vehicles and equipment.....	230	1.0	9.75	20,280	7.70	11.20
First-line supervisors/managers of office and administrative support workers.....	180	0.8	16.46	34,240	12.89	19.64
Cashiers.....	170	0.8	8.37	17,410	6.83	9.57
Helpers--installation, maintenance, and repair workers.....	160	0.7	11.05	22,970	8.66	12.84
General and operations managers.....	160	0.7	35.85	74,560	21.28	42.71

See footnotes at end of table.

Table 2. National employment and wage data for the 10 largest occupations by industry from the Occupational Employment Statistics survey, May 2003 - Continued

Occupation	Employment	Percent of industry employment	Mean wages		Percentiles	
			Hourly	Annual ¹	25th	75th
Taxi and limousine service (NAICS 485300)						
Taxi drivers and chauffeurs.....	38,100	56.1	\$ 11.21	\$ 23,320	\$ 7.73	\$ 13.65
Dispatchers, except police, fire, and ambulance.....	8,830	13.0	10.68	22,210	7.41	13.06
Automotive service technicians and mechanics.....	1,760	2.6	14.01	29,130	10.37	16.77
Office clerks, general.....	1,480	2.2	10.03	20,870	7.59	11.32
Bus drivers, transit and intercity.....	1,250	1.8	12.45	25,890	9.19	14.70
First-line supervisors/managers of transportation and material-moving machine and vehicle operators.....	1,250	1.8	19.90	41,400	12.82	25.04
General and operations managers.....	1,130	1.7	35.08	72,970	21.53	42.11
Emergency medical technicians and paramedics.....	1,010	1.5	11.16	23,220	9.20	12.80
Customer service representatives.....	990	1.5	12.10	25,180	9.14	14.35
Reservation and transportation ticket agents and travel clerks.....	950	1.4	12.27	25,510	9.12	14.80
School and employee bus transportation (NAICS 485400)						
Bus drivers, school.....	129,840	73.5	11.75	24,440	9.68	13.65
Bus drivers, transit and intercity.....	8,100	4.6	11.60	24,120	9.69	13.47
Child care workers.....	6,690	3.8	8.24	17,150	7.11	9.37
Bus and truck mechanics and diesel engine specialists.....	5,050	2.9	15.75	32,750	12.48	18.32
Transportation attendants, except flight attendants and baggage porters.....	4,130	2.3	8.02	16,690	7.11	8.76
First-line supervisors/managers of transportation and material-moving machine and vehicle operators.....	2,280	1.3	19.15	39,820	14.20	22.21
Dispatchers, except police, fire, and ambulance.....	1,740	1.0	13.91	28,930	11.25	16.27
Taxi drivers and chauffeurs.....	1,530	0.9	8.37	17,420	6.92	9.14
Office clerks, general.....	1,280	0.7	11.08	23,050	8.68	13.23
General and operations managers.....	1,210	0.7	33.46	69,590	19.46	37.31
Charter bus industry (NAICS 485500)						
Bus drivers, transit and intercity.....	18,700	55.1	11.30	23,500	9.28	12.96
Bus drivers, school.....	2,260	6.7	11.74	24,430	9.79	13.76
Taxi drivers and chauffeurs.....	1,740	5.1	10.09	20,980	7.27	13.12
Bus and truck mechanics and diesel engine specialists.....	1,380	4.1	16.05	33,370	12.41	19.13
Cleaners of vehicles and equipment.....	1,310	3.9	9.13	18,990	7.57	10.49
Dispatchers, except police, fire, and ambulance.....	880	2.6	13.96	29,040	10.36	17.06
Office clerks, general.....	740	2.2	9.99	20,780	7.63	11.43
General and operations managers.....	560	1.7	33.58	69,850	20.56	37.52
First-line supervisors/managers of transportation and material-moving machine and vehicle operators.....	490	1.4	18.68	38,850	13.03	23.13
Reservation and transportation ticket agents and travel clerks.....	430	1.3	9.83	20,440	7.68	11.03
Other transit and ground passenger transportation (NAICS 485900)						
Taxi drivers and chauffeurs.....	14,300	25.1	9.36	19,470	7.55	10.66
Bus drivers, transit and intercity.....	9,690	17.0	10.91	22,680	8.80	12.46
Bus drivers, school.....	7,650	13.4	10.08	20,970	8.13	11.79
Ambulance drivers and attendants, except emergency medical technicians.....	3,880	6.8	10.14	21,090	8.06	11.28
Dispatchers, except police, fire, and ambulance.....	2,570	4.5	12.10	25,170	9.42	14.00
Emergency medical technicians and paramedics.....	2,260	4.0	11.56	24,050	9.54	13.20
Office clerks, general.....	1,430	2.5	10.13	21,060	7.81	11.37
First-line supervisors/managers of transportation and material-moving machine and vehicle operators.....	1,380	2.4	16.77	34,880	12.15	20.48
General and operations managers.....	1,020	1.8	31.50	65,520	19.28	36.41
Truck drivers, light or delivery services.....	900	1.6	9.30	19,340	7.51	10.76
Pipeline transportation of crude oil (NAICS 486100)						
Petroleum pump system operators, refinery operators, and gaugers.....	1,210	16.6	24.10	50,130	21.86	27.15
Industrial machinery mechanics.....	710	9.8	15.08	31,360	10.11	20.44
Truck drivers, heavy and tractor-trailer.....	320	4.4	20.05	41,710	16.66	24.73
Maintenance and repair workers, general.....	230	3.2	19.76	41,100	13.05	25.77
Control and valve installers and repairers, except mechanical door.....	180	2.5	24.66	51,290	22.92	26.76
Plumbers, pipefitters, and steamfitters.....	160	2.2	22.21	46,200	18.39	26.38
Chemical technicians.....	160	2.2	24.78	51,540	22.44	27.11
First-line supervisors/managers of mechanics, installers, and repairers.....	150	2.1	29.81	62,000	22.86	34.07
Executive secretaries and administrative assistants.....	150	2.1	18.62	38,730	14.10	22.40
General and operations managers.....	140	1.9	38.90	80,910	28.00	46.67
Pipeline transportation of natural gas (NAICS 486200)						
Gas plant operators.....	3,000	10.5	22.74	47,300	19.86	25.95
Gas compressor and gas pumping station operators.....	2,500	8.8	22.44	46,680	19.78	25.90
Industrial machinery mechanics.....	1,130	4.0	22.03	45,820	19.32	25.88
Customer service representatives.....	1,010	3.5	17.76	36,930	13.75	22.00
Control and valve installers and repairers, except mechanical door.....	890	3.1	21.05	43,780	16.32	25.95
Executive secretaries and administrative assistants.....	890	3.1	18.55	38,580	15.08	21.54
Electrical and electronics repairers, powerhouse, substation, and relay.....	760	2.7	19.66	40,890	16.88	22.23
Plumbers, pipefitters, and steamfitters.....	690	2.4	22.22	46,210	19.45	25.99
First-line supervisors/managers of production and operating workers.....	620	2.2	29.24	60,810	24.48	34.48
Office clerks, general.....	590	2.1	13.76	28,620	11.01	16.68

See footnotes at end of table.

Table 2. National employment and wage data for the 10 largest occupations by industry from the Occupational Employment Statistics survey, May 2003 - Continued

Occupation	Employment	Percent of industry employment	Mean wages		Percentiles	
			Hourly	Annual ¹	25th	75th
Other pipeline transportation (NAICS 486900)						
Petroleum pump system operators, refinery operators, and gaugers.....	1,290	23.2	\$ 24.41	\$ 50,770	\$ 21.12	\$ 27.59
Industrial machinery mechanics.....	580	10.4	24.57	51,100	21.64	27.39
Truck drivers, heavy and tractor-trailer.....	290	5.2	19.36	40,260	17.01	21.61
Laborers and freight, stock, and material movers, hand.....	250	4.5	17.52	36,440	10.54	24.57
First-line supervisors/managers of production and operating workers.....	220	4.0	32.83	68,280	26.84	37.56
Maintenance and repair workers, general.....	150	2.7	20.27	42,170	17.20	23.23
General and operations managers.....	140	2.5	44.47	92,490	28.95	52.10
Pump operators, except wellhead pumpers.....	130	2.3	19.84	41,270	16.95	22.29
Office clerks, general.....	80	1.4	14.00	29,130	10.89	16.84
Control and valve installers and repairers, except mechanical door.....	70	1.3	21.94	45,630	19.44	24.49
Scenic and sightseeing transportation, land (NAICS 487100)						
Bus drivers, transit and intercity.....	2,700	28.2	11.13	23,140	8.80	12.82
Tour guides and escorts.....	990	10.3	10.59	22,030	8.56	12.63
Taxi drivers and chauffeurs.....	560	5.8	9.53	19,820	7.79	10.70
Reservation and transportation ticket agents and travel clerks.....	490	5.1	12.60	26,200	10.87	14.60
Cashiers.....	270	2.8	8.21	17,080	7.31	8.84
Amusement and recreation attendants.....	210	2.2	8.63	17,950	7.17	8.85
Bus and truck mechanics and diesel engine specialists.....	200	2.1	16.15	33,590	12.79	18.97
Dispatchers, except police, fire, and ambulance.....	190	2.0	13.12	27,300	10.09	15.31
Cleaners of vehicles and equipment.....	180	1.9	9.24	19,230	7.00	10.39
General and operations managers.....	180	1.9	31.60	65,730	16.31	36.01
Scenic and sightseeing transportation, water (NAICS 487200)						
Captains, mates, and pilots of water vessels.....	2,340	15.6	18.15	37,760	11.25	21.44
Sailors and marine oilers.....	1,950	13.0	10.87	22,600	7.71	12.45
Combined food preparation and serving workers, including fast food.....	840	5.6	8.31	17,280	6.82	9.25
Transportation attendants, except flight attendants and baggage porters.....	610	4.1	10.93	22,730	7.72	13.45
Food preparation workers.....	530	3.5	8.30	17,260	6.37	10.87
Bartenders.....	510	3.4	9.31	19,370	7.57	11.08
Reservation and transportation ticket agents and travel clerks.....	460	3.1	10.15	21,110	7.82	11.25
Motorboat operators.....	440	2.9	15.22	31,660	10.28	20.66
Waiters and waitresses.....	370	2.5	9.19	19,100	6.93	11.55
Office clerks, general.....	330	2.2	10.13	21,070	7.21	12.37
Scenic and sightseeing transportation, other (NAICS 487900)						
Commercial pilots.....	400	20.0	(²)	46,690	(²)	(²)
Aircraft mechanics and service technicians.....	220	11.0	19.79	41,150	14.74	22.90
Reservation and transportation ticket agents and travel clerks.....	220	11.0	11.97	24,890	9.63	14.60
Cashiers.....	100	5.0	10.21	21,230	8.20	12.25
Bookkeeping, accounting, and auditing clerks.....	90	4.5	13.67	28,440	11.38	16.90
Transportation attendants, except flight attendants and baggage porters.....	70	3.5	9.02	18,750	7.37	10.52
First-line supervisors/managers of office and administrative support workers.....	50	2.5	20.69	43,030	15.14	22.35
General and operations managers.....	50	2.5	44.28	92,090	26.91	47.27
Maintenance and repair workers, general.....	40	2.0	12.86	26,760	8.58	16.04
Support activities for air transportation (NAICS 488100)						
Aircraft mechanics and service technicians.....	25,910	19.3	18.02	37,490	14.25	21.18
Laborers and freight, stock, and material movers, hand.....	10,680	8.0	11.03	22,950	8.38	12.51
Reservation and transportation ticket agents and travel clerks.....	4,900	3.7	10.97	22,820	9.10	11.84
Baggage porters and bellhops.....	4,750	3.5	7.97	16,580	6.31	8.62
Cargo and freight agents.....	4,060	3.0	12.57	26,150	8.59	14.61
Cleaners of vehicles and equipment.....	3,450	2.6	10.20	21,210	8.05	12.01
First-line supervisors/managers of mechanics, installers, and repairers.....	3,300	2.5	24.74	51,460	18.97	28.94
Transportation attendants, except flight attendants and baggage porters.....	3,200	2.4	9.37	19,490	7.84	10.57
Avionics technicians.....	2,790	2.1	18.79	39,080	15.28	21.84
Security guards.....	2,580	1.9	9.98	20,750	7.50	12.14
Support activities for rail transportation (NAICS 488200)						
Rail car repairers.....	3,360	16.8	15.87	33,000	12.86	18.50
Laborers and freight, stock, and material movers, hand.....	2,680	13.4	12.05	25,070	8.63	14.96
Welders, cutters, solderers, and brazers.....	2,210	11.1	13.97	29,060	11.47	16.23
Industrial truck and tractor operators.....	870	4.4	14.65	30,470	12.22	17.20
Transportation inspectors.....	610	3.1	13.58	28,240	10.43	14.81
General and operations managers.....	600	3.0	31.74	66,010	19.36	37.01
Office clerks, general.....	580	2.9	11.58	24,080	9.44	13.57
Truck drivers, heavy and tractor-trailer.....	460	2.3	13.33	27,730	10.32	16.12
Rail yard engineers, dinky operators, and hostlers.....	430	2.2	13.39	27,850	10.84	15.80
Painters, transportation equipment.....	420	2.1	13.86	28,820	12.02	16.37

See footnotes at end of table.

Table 2. National employment and wage data for the 10 largest occupations by industry from the Occupational Employment Statistics survey, May 2003 - Continued

Occupation	Employment	Percent of industry employment	Mean wages		Percentiles	
			Hourly	Annual ¹	25th	75th
Support activities for water transportation (NAICS 488300)						
Laborers and freight, stock, and material movers, hand.....	15,930	17.2	\$ 16.14	\$ 33,570	\$ 9.74	\$ 22.25
Sailors and marine oilers.....	7,560	8.2	14.94	31,080	11.15	18.58
Industrial truck and tractor operators.....	7,490	8.1	22.51	46,820	13.76	29.60
Captains, mates, and pilots of water vessels.....	7,180	7.8	27.85	57,940	21.36	32.09
Tank car, truck, and ship loaders.....	2,920	3.2	24.83	51,650	20.00	30.82
Crane and tower operators.....	2,620	2.8	27.16	56,500	20.36	34.14
Ship engineers.....	2,120	2.3	27.52	57,240	22.82	33.68
Maintenance and repair workers, general.....	1,990	2.2	21.14	43,970	14.67	26.70
Welders, cutters, solderers, and brazers.....	1,580	1.7	15.70	32,650	12.65	17.76
General and operations managers.....	1,560	1.7	43.79	91,090	25.44	54.54
Support activities for road transportation (NAICS 488400)						
Truck drivers, heavy and tractor-trailer.....	22,440	31.3	13.34	27,740	9.62	16.46
Laborers and freight, stock, and material movers, hand.....	4,680	6.5	10.56	21,960	8.39	12.09
Truck drivers, light or delivery services.....	4,420	6.2	13.21	27,470	9.95	15.96
Dispatchers, except police, fire, and ambulance.....	3,690	5.1	11.57	24,070	8.19	13.32
Office clerks, general.....	2,890	4.0	10.78	22,420	7.64	13.29
Automotive service technicians and mechanics.....	2,830	3.9	13.46	27,990	9.62	16.42
First-line supervisors/managers of transportation and material-moving machine and vehicle operators.....	2,000	2.8	21.51	44,740	15.80	26.17
General and operations managers.....	1,430	2.0	37.46	77,920	22.40	44.87
Bus and truck mechanics and diesel engine specialists.....	1,300	1.8	15.96	33,200	12.03	19.32
Bookkeeping, accounting, and auditing clerks.....	1,200	1.7	12.82	26,660	9.74	15.02
Freight transportation arrangement (NAICS 488500)						
Cargo and freight agents.....	23,160	13.9	16.95	35,260	12.49	20.40
Laborers and freight, stock, and material movers, hand.....	13,900	8.3	11.63	24,190	8.68	14.06
Truck drivers, heavy and tractor-trailer.....	10,510	6.3	16.49	34,300	12.65	19.92
Truck drivers, light or delivery services.....	9,600	5.8	17.31	36,000	13.98	20.68
Office clerks, general.....	8,210	4.9	11.56	24,040	8.06	14.30
First-line supervisors/managers of office and administrative support workers.....	8,110	4.9	24.30	50,540	17.49	28.24
Customer service representatives.....	7,340	4.4	15.30	31,830	11.96	18.59
Bookkeeping, accounting, and auditing clerks.....	7,060	4.2	14.62	30,410	11.81	17.03
Shipping, receiving, and traffic clerks.....	6,450	3.9	13.45	27,980	9.28	16.28
General and operations managers.....	5,890	3.5	49.83	103,640	29.97	63.90
Other support activities for transportation (NAICS 488900)						
Packers and packagers, hand.....	6,520	22.2	9.51	19,770	7.61	11.08
Laborers and freight, stock, and material movers, hand.....	5,530	18.8	11.67	24,270	8.56	13.66
Truck drivers, heavy and tractor-trailer.....	1,500	5.1	15.50	32,240	11.93	18.20
Industrial truck and tractor operators.....	1,090	3.7	12.01	24,980	9.68	13.28
Truck drivers, light or delivery services.....	1,040	3.5	18.07	37,580	15.53	21.15
Packaging and filling machine operators and tenders.....	1,010	3.4	9.56	19,890	7.58	10.78
Shipping, receiving, and traffic clerks.....	830	2.8	11.03	22,940	8.47	13.13
Office clerks, general.....	710	2.4	11.74	24,430	8.96	13.62
First-line supervisors/managers of helpers, laborers, and material movers, hand.....	650	2.2	18.57	38,620	13.38	22.15
General and operations managers.....	640	2.2	40.22	83,670	25.40	48.52
Couriers (NAICS 492100)						
Truck drivers, light or delivery services.....	152,550	29.2	18.39	38,250	14.34	23.56
Laborers and freight, stock, and material movers, hand.....	113,640	21.7	11.93	24,820	10.04	13.28
Truck drivers, heavy and tractor-trailer.....	27,640	5.3	20.38	42,390	16.79	24.66
Couriers and messengers.....	23,080	4.4	9.69	20,150	7.48	10.88
First-line supervisors/managers of transportation and material-moving machine and vehicle operators.....	12,710	2.4	25.43	52,900	19.22	31.98
Industrial truck and tractor operators.....	12,500	2.4	13.30	27,660	10.93	15.32
Order clerks.....	10,300	2.0	14.95	31,100	12.83	17.06
First-line supervisors/managers of helpers, laborers, and material movers, hand.....	9,370	1.8	18.41	38,290	12.85	22.31
Customer service representatives.....	9,150	1.8	14.47	30,090	11.48	17.20
Cargo and freight agents.....	8,440	1.6	14.92	31,040	11.96	18.42
Local messengers and local delivery (NAICS 492200)						
Couriers and messengers.....	14,700	29.9	9.34	19,430	7.18	10.93
Truck drivers, light or delivery services.....	13,330	27.1	11.45	23,820	7.68	14.10
Truck drivers, heavy and tractor-trailer.....	2,760	5.6	18.50	38,470	14.43	21.84
Dispatchers, except police, fire, and ambulance.....	1,710	3.5	14.68	30,540	11.61	17.24
Laborers and freight, stock, and material movers, hand.....	1,470	3.0	9.67	20,120	7.99	11.29
General and operations managers.....	1,350	2.7	36.03	74,940	15.81	43.72
Customer service representatives.....	1,240	2.5	11.41	23,730	9.33	13.20
First-line supervisors/managers of office and administrative support workers.....	1,170	2.4	18.97	39,450	14.43	21.92
Office clerks, general.....	830	1.7	10.16	21,130	7.72	12.49
Order clerks.....	810	1.7	11.29	23,470	9.13	13.02

See footnotes at end of table.

Table 2. National employment and wage data for the 10 largest occupations by industry from the Occupational Employment Statistics survey, May 2003 - Continued

Occupation	Employment	Percent of industry employment	Mean wages		Percentiles	
			Hourly	Annual ¹	25th	75th
Warehousing and storage (NAICS 493100)						
Laborers and freight, stock, and material movers, hand.....	102,260	19.4	\$ 11.81	\$ 24,560	\$ 9.28	\$ 13.82
Industrial truck and tractor operators.....	68,350	13.0	12.80	26,620	10.38	14.35
Stock clerks and order fillers.....	45,880	8.7	12.18	25,340	9.64	14.09
Shipping, receiving, and traffic clerks.....	32,880	6.2	12.50	26,010	9.99	14.33
Packers and packagers, hand.....	26,590	5.1	9.92	20,630	7.84	11.50
Truck drivers, heavy and tractor-trailer.....	20,240	3.8	17.38	36,150	13.64	20.56
First-line supervisors/managers of helpers, laborers, and material movers, hand.....	10,380	2.0	19.24	40,010	14.96	22.38
Truck drivers, light or delivery services.....	10,150	1.9	13.54	28,160	10.01	16.17
Office clerks, general.....	9,930	1.9	11.67	24,270	9.52	13.55
Customer service representatives.....	9,910	1.9	13.59	28,260	10.83	14.95
Newspaper, periodical, book, and directory publishers (NAICS 511100)						
Editors.....	63,530	9.1	22.72	47,260	14.74	27.45
Advertising sales agents.....	47,830	6.9	20.05	41,700	11.49	23.62
Office clerks, general.....	21,310	3.1	12.90	26,840	8.65	14.19
Customer service representatives.....	20,850	3.0	14.22	29,570	10.12	16.87
Graphic designers.....	20,240	2.9	17.00	35,360	11.93	20.55
Prepress technicians and workers.....	17,480	2.5	14.29	29,710	9.88	18.02
Laborers and freight, stock, and material movers, hand.....	15,640	2.3	10.08	20,970	7.47	11.47
Telemarketers.....	14,470	2.1	11.39	23,690	7.45	13.76
Desktop publishers.....	14,100	2.0	14.67	30,520	10.23	17.72
Sales representatives, wholesale and manufacturing, except technical and scientific products.....	13,690	2.0	22.84	47,510	14.02	28.75
Software publishers (NAICS 511200)						
Computer software engineers, applications.....	41,240	17.1	38.14	79,330	29.94	45.44
Computer support specialists.....	20,700	8.6	23.53	48,950	15.80	28.84
Computer software engineers, systems software.....	19,130	7.9	38.61	80,310	30.49	46.13
Computer programmers.....	18,300	7.6	32.88	68,390	24.81	40.84
Computer systems analysts.....	8,400	3.5	32.70	68,010	24.88	39.74
Computer and information systems managers.....	8,380	3.5	54.53	113,420	41.09	63.19
Sales representatives, wholesale and manufacturing, technical and scientific products.....	7,180	3.0	39.56	82,290	24.07	48.54
Customer service representatives.....	5,230	2.2	17.54	36,480	12.53	21.16
General and operations managers.....	5,130	2.1	64.18	133,500	40.54	(²)
Executive secretaries and administrative assistants.....	4,620	1.9	19.68	40,930	15.22	23.75
Motion picture and video industries (NAICS 512100)						
Cashiers.....	23,980	6.6	7.04	14,630	6.18	7.60
Producers and directors.....	12,050	3.3	(³)	76,130	(³)	(³)
General and operations managers.....	11,230	3.1	56.89	118,320	22.61	(²)
Motion picture projectionists.....	8,340	2.3	9.20	19,140	6.72	9.82
Executive secretaries and administrative assistants.....	8,230	2.3	18.65	38,780	13.96	22.70
Audio and video equipment technicians.....	7,630	2.1	19.71	41,000	10.97	24.41
Bookkeeping, accounting, and auditing clerks.....	6,150	1.7	14.71	30,600	11.92	16.41
Combined food preparation and serving workers, including fast food.....	5,840	1.6	6.66	13,840	6.00	7.09
Multi-media artists and animators.....	5,750	1.6	33.89	70,480	20.91	42.18
Janitors and cleaners, except maids and housekeeping cleaners.....	4,850	1.3	8.45	17,570	6.46	9.86
Sound recording industries (NAICS 512200)						
Sound engineering technicians.....	1,600	6.1	21.60	44,920	11.70	25.59
Executive secretaries and administrative assistants.....	1,360	5.2	16.68	34,700	12.69	19.57
Editors.....	1,110	4.2	23.73	49,360	16.65	29.18
Office clerks, general.....	1,100	4.2	12.61	26,230	9.57	15.62
Musicians and singers.....	880	3.3	(³)	74,650	(³)	(³)
General and operations managers.....	860	3.3	47.53	98,860	29.05	61.00
Sales representatives, wholesale and manufacturing, except technical and scientific products.....	770	2.9	22.23	46,240	13.63	26.42
Customer service representatives.....	700	2.7	18.16	37,770	11.51	27.78
Telemarketers.....	620	2.4	13.33	27,720	8.78	18.58
Audio and video equipment technicians.....	600	2.3	16.04	33,360	9.26	20.16
Radio and television broadcasting (NAICS 515100)						
Announcers.....	38,990	16.2	13.99	29,100	7.12	15.19
Advertising sales agents.....	28,790	11.9	23.79	49,480	12.31	29.37
Broadcast technicians.....	21,820	9.1	15.45	32,130	8.48	20.18
Producers and directors.....	16,600	6.9	(³)	50,720	(³)	(³)
News analysts, reporters and correspondents.....	16,350	6.8	23.29	48,450	11.48	27.53
Camera operators, television, video, and motion picture.....	8,980	3.7	16.04	33,360	8.79	22.40
General and operations managers.....	7,120	3.0	47.43	98,650	25.01	63.21
Office clerks, general.....	5,960	2.5	12.02	25,000	8.41	14.91
Executive secretaries and administrative assistants.....	4,110	1.7	16.79	34,930	12.87	20.14
Photographers.....	3,670	1.5	15.09	31,380	10.76	17.86

See footnotes at end of table.

Table 2. National employment and wage data for the 10 largest occupations by industry from the Occupational Employment Statistics survey, May 2003 - Continued

Occupation	Employment	Percent of industry employment	Mean wages		Percentiles	
			Hourly	Annual ¹	25th	75th
Cable and other subscription programming (NAICS 515200)						
Customer service representatives.....	12,970	14.9	\$ 15.67	\$ 32,600	\$ 11.05	\$ 19.83
Producers and directors.....	4,760	5.5	(?)	62,120	(?)	(?)
Telecommunications equipment installers and repairers, except line installers.....	4,100	4.7	20.30	42,230	13.69	26.07
Telemarketers.....	3,100	3.6	11.06	23,000	9.24	12.28
First-line supervisors/managers of mechanics, installers, and repairers.....	1,900	2.2	27.67	57,550	21.39	32.83
Office clerks, general.....	1,890	2.2	13.14	27,340	9.61	16.32
First-line supervisors/managers of office and administrative support workers.....	1,860	2.1	23.15	48,140	17.39	27.73
General and operations managers.....	1,790	2.1	56.99	118,530	33.10	(?)
Executive secretaries and administrative assistants.....	1,500	1.7	17.94	37,310	14.76	20.98
Broadcast technicians.....	1,480	1.7	17.06	35,490	10.38	22.60
Internet publishing and broadcasting (NAICS 516100)						
Computer software engineers, applications.....	2,220	7.4	36.31	75,520	29.42	43.00
Editors.....	1,850	6.1	24.19	50,310	16.31	29.31
Computer programmers.....	1,690	5.6	31.49	65,500	21.04	39.98
Network systems and data communications analysts.....	1,410	4.7	25.89	53,840	15.86	34.60
Customer service representatives.....	1,300	4.3	18.21	37,880	13.89	21.95
Computer software engineers, systems software.....	1,050	3.5	36.60	76,120	27.18	44.47
Computer support specialists.....	990	3.3	20.99	43,670	15.41	25.07
General and operations managers.....	960	3.2	61.24	127,380	36.45	(?)
Database administrators.....	900	3.0	35.56	73,960	27.29	43.58
Computer and information systems managers.....	800	2.7	53.99	112,290	40.51	65.60
Wired telecommunications carriers (NAICS 517100)						
Telecommunications equipment installers and repairers, except line installers.....	96,980	16.4	23.75	49,400	20.79	27.16
Customer service representatives.....	53,860	9.1	18.69	38,870	13.74	23.44
Telecommunications line installers and repairers.....	42,110	7.1	23.15	48,150	20.44	26.80
Telephone operators.....	20,970	3.5	15.61	32,480	10.72	20.07
Computer software engineers, systems software.....	16,490	2.8	34.27	71,280	28.53	40.47
Electronics engineers, except computer.....	16,410	2.8	32.01	66,590	25.96	37.45
Telemarketers.....	14,960	2.5	15.24	31,710	9.10	20.56
First-line supervisors/managers of mechanics, installers, and repairers.....	14,080	2.4	29.21	60,750	23.71	34.08
Office clerks, general.....	13,930	2.4	17.21	35,810	14.85	20.39
First-line supervisors/managers of office and administrative support workers.....	11,090	1.9	26.41	54,930	21.24	31.63
Wireless telecommunications carriers (except satellite) (NAICS 517200)						
Customer service representatives.....	36,090	19.0	15.15	31,520	10.92	17.56
Retail salespersons.....	15,600	8.2	13.21	27,470	9.10	16.35
Sales representatives, wholesale and manufacturing, except technical and scientific products.....	8,770	4.6	20.67	42,990	13.15	23.83
Telephone operators.....	7,460	3.9	13.81	28,730	10.24	17.51
Telecommunications equipment installers and repairers, except line installers.....	6,860	3.6	22.05	45,870	18.16	26.54
First-line supervisors/managers of office and administrative support workers.....	5,760	3.0	22.26	46,300	16.98	26.64
Office clerks, general.....	5,090	2.7	14.47	30,100	11.24	17.43
First-line supervisors/managers of retail sales workers.....	4,900	2.6	22.16	46,100	14.43	27.90
Electronics engineers, except computer.....	4,000	2.1	34.27	71,290	27.05	40.63
Sales representatives, wholesale and manufacturing, technical and scientific products.....	3,780	2.0	23.61	49,100	12.54	28.39
Telecommunications resellers (NAICS 517300)						
Telecommunications equipment installers and repairers, except line installers.....	29,250	17.9	22.61	47,030	20.18	26.22
Customer service representatives.....	13,020	8.0	14.69	30,560	11.24	17.67
Telecommunications line installers and repairers.....	9,040	5.6	22.47	46,730	19.75	26.27
Telephone operators.....	4,420	2.7	15.44	32,120	11.46	19.69
First-line supervisors/managers of office and administrative support workers.....	4,410	2.7	24.95	51,910	19.96	29.51
Electronics engineers, except computer.....	3,980	2.4	30.80	64,060	25.38	35.38
Office clerks, general.....	3,950	2.4	16.16	33,610	12.03	20.21
First-line supervisors/managers of mechanics, installers, and repairers.....	3,430	2.1	30.23	62,880	25.73	34.71
Retail salespersons.....	3,180	2.0	12.24	25,470	8.11	14.20
Sales representatives, wholesale and manufacturing, technical and scientific products.....	2,980	1.8	26.35	54,810	14.97	36.14
Satellite telecommunications (NAICS 517400)						
Telecommunications equipment installers and repairers, except line installers.....	1,010	6.2	24.25	50,440	22.39	26.69
Telecommunications line installers and repairers.....	960	5.9	24.84	51,670	23.48	27.65
Maintenance and repair workers, general.....	870	5.4	24.00	49,920	23.08	26.33
First-line supervisors/managers of mechanics, installers, and repairers.....	370	2.3	33.67	70,040	29.76	38.00
General and operations managers.....	260	1.6	54.30	112,950	32.33	69.84
Broadcast technicians.....	240	1.5	16.57	34,470	13.14	19.63
Bookkeeping, accounting, and auditing clerks.....	210	1.3	16.18	33,640	12.92	19.70
Electronics engineers, except computer.....	150	0.9	34.53	71,820	30.46	39.62
Computer software engineers, applications.....	140	0.9	34.45	71,650	26.83	42.68
Electrical and electronics repairers, commercial and industrial equipment.....	120	0.7	26.53	55,190	19.98	33.32

See footnotes at end of table.

Table 2. National employment and wage data for the 10 largest occupations by industry from the Occupational Employment Statistics survey, May 2003 - Continued

Occupation	Employment	Percent of industry employment	Mean wages		Percentiles	
			Hourly	Annual ¹	25th	75th
Cable and other program distribution (NAICS 517500)						
Telecommunications line installers and repairers.....	27,850	21.3	\$ 16.22	\$ 33,730	\$ 11.73	\$ 20.28
Customer service representatives.....	26,490	20.2	14.28	29,710	10.30	16.91
Telecommunications equipment installers and repairers, except line installers.....	7,660	5.9	18.82	39,140	13.38	24.21
First-line supervisors/managers of mechanics, installers, and repairers.....	4,040	3.1	25.57	53,190	20.39	30.02
First-line supervisors/managers of office and administrative support workers.....	3,470	2.7	22.42	46,620	16.75	27.02
Dispatchers, except police, fire, and ambulance.....	3,360	2.6	14.17	29,470	11.51	16.65
Telemarketers.....	3,120	2.4	11.08	23,050	7.73	13.54
General and operations managers.....	2,340	1.8	46.58	96,880	27.40	58.22
Bookkeeping, accounting, and auditing clerks.....	1,980	1.5	14.63	30,430	11.17	17.37
Office clerks, general.....	1,960	1.5	13.15	27,360	9.68	16.46
Other telecommunications (NAICS 517900)						
Telecommunications equipment installers and repairers, except line installers.....	390	5.5	22.88	47,590	17.65	27.61
Electronics engineers, except computer.....	330	4.6	27.57	57,340	23.28	32.70
Telecommunications line installers and repairers.....	280	3.9	21.82	45,390	16.27	26.88
General and operations managers.....	240	3.4	58.14	120,920	32.64	(?)
Computer software engineers, applications.....	180	2.5	30.64	63,740	25.46	35.28
Maintenance and repair workers, general.....	170	2.4	22.43	46,660	17.51	29.04
Executive secretaries and administrative assistants.....	170	2.4	17.09	35,540	13.33	19.73
Dispatchers, except police, fire, and ambulance.....	150	2.1	10.82	22,500	9.20	12.78
First-line supervisors/managers of mechanics, installers, and repairers.....	130	1.8	28.74	59,780	22.49	34.19
Bookkeeping, accounting, and auditing clerks.....	130	1.8	15.38	32,000	12.69	17.21
Internet service providers and web search portals (NAICS 518100)						
Customer service representatives.....	11,160	9.0	14.24	29,620	9.95	17.05
Computer support specialists.....	10,960	8.8	17.37	36,120	10.62	21.45
Computer software engineers, applications.....	6,930	5.6	38.71	80,520	29.50	46.82
Computer programmers.....	6,720	5.4	30.22	62,860	21.59	38.57
Computer software engineers, systems software.....	5,100	4.1	37.45	77,910	28.69	45.07
Network and computer systems administrators.....	4,620	3.7	27.33	56,840	19.20	34.02
Computer and information systems managers.....	4,540	3.7	50.91	105,890	37.04	60.64
Network systems and data communications analysts.....	4,420	3.6	28.61	59,500	18.83	36.36
General and operations managers.....	3,710	3.0	58.53	121,740	35.54	(?)
Computer systems analysts.....	3,570	2.9	32.43	67,450	24.11	40.19
Data processing, hosting, and related services (NAICS 518200)						
Data entry keyers.....	21,100	7.4	9.92	20,630	7.96	11.41
Computer programmers.....	18,670	6.5	30.50	63,450	23.06	37.73
Customer service representatives.....	17,890	6.3	14.84	30,880	10.28	17.99
Computer systems analysts.....	17,460	6.1	32.61	67,840	25.07	39.84
Computer support specialists.....	13,000	4.5	20.05	41,700	14.11	24.83
Computer software engineers, applications.....	11,480	4.0	35.77	74,400	27.25	42.17
Office clerks, general.....	9,930	3.5	11.67	24,270	8.60	13.85
Computer software engineers, systems software.....	9,520	3.3	35.65	74,140	29.20	41.75
Network and computer systems administrators.....	8,380	2.9	29.90	62,190	22.45	35.85
Computer operators.....	7,820	2.7	14.28	29,710	9.91	17.80
Other information services (NAICS 519100)						
Library assistants, clerical.....	6,450	13.3	9.55	19,850	7.08	11.53
Librarians.....	5,950	12.2	19.21	39,960	14.89	23.00
Library technicians.....	5,880	12.1	10.92	22,710	7.97	13.40
Office clerks, general.....	3,640	7.5	12.48	25,960	8.20	15.68
Customer service representatives.....	1,910	3.9	12.66	26,340	9.62	14.03
First-line supervisors/managers of office and administrative support workers.....	1,100	2.3	19.78	41,140	13.92	24.95
Janitors and cleaners, except maids and housekeeping cleaners.....	1,000	2.1	10.65	22,160	7.96	12.89
News analysts, reporters and correspondents.....	990	2.0	19.36	40,260	12.31	25.10
General and operations managers.....	930	1.9	44.81	93,210	27.25	55.08
Editors.....	910	1.9	21.70	45,130	14.75	26.72
Monetary authorities - central bank (NAICS 521100)						
Office clerks, general.....	1,440	6.6	13.79	28,690	11.41	16.31
Tellers.....	1,330	6.1	12.62	26,260	10.25	14.59
Financial examiners.....	1,320	6.0	30.93	64,340	22.19	38.03
Bookkeeping, accounting, and auditing clerks.....	1,250	5.7	15.48	32,200	12.10	16.98
Financial analysts.....	1,000	4.6	26.14	54,370	19.70	29.79
Security guards.....	970	4.4	15.41	32,050	12.83	17.46
Office machine operators, except computer.....	890	4.1	12.69	26,400	10.40	14.88
First-line supervisors/managers of office and administrative support workers.....	790	3.6	24.64	51,260	18.69	29.13
Executive secretaries and administrative assistants.....	760	3.5	20.05	41,710	15.91	22.74
Computer systems analysts.....	720	3.3	31.13	64,760	24.41	37.03

See footnotes at end of table.

Table 2. National employment and wage data for the 10 largest occupations by industry from the Occupational Employment Statistics survey, May 2003 - Continued

Occupation	Employment	Percent of industry employment	Mean wages		Percentiles	
			Hourly	Annual ¹	25th	75th
Depository credit intermediation (NAICS 522100)						
Tellers.....	475,750	27.4	\$ 10.06	\$ 20,920	\$ 8.59	\$ 11.22
Customer service representatives.....	121,670	7.0	12.64	26,280	10.16	14.28
Loan officers.....	99,910	5.8	24.16	50,260	15.90	29.04
First-line supervisors/managers of office and administrative support workers.....	99,550	5.7	18.40	38,270	14.25	21.37
New accounts clerks.....	92,890	5.4	12.96	26,950	10.42	14.88
Financial managers.....	80,020	4.6	35.10	73,000	21.07	43.83
Loan interviewers and clerks.....	74,210	4.3	13.50	28,070	10.68	15.77
Bookkeeping, accounting, and auditing clerks.....	51,540	3.0	12.30	25,580	9.65	14.41
Executive secretaries and administrative assistants.....	42,010	2.4	16.51	34,350	12.95	19.45
Office clerks, general.....	39,660	2.3	11.58	24,090	9.29	13.53
Nondepository credit intermediation (NAICS 522200)						
Loan officers.....	77,770	10.7	28.30	58,870	16.02	33.42
Customer service representatives.....	73,810	10.1	13.17	27,390	10.85	14.86
Loan interviewers and clerks.....	53,350	7.3	14.78	30,750	11.61	17.58
Bill and account collectors.....	44,330	6.1	14.02	29,170	11.11	16.23
First-line supervisors/managers of office and administrative support workers.....	32,830	4.5	22.02	45,800	16.41	26.02
Office clerks, general.....	28,350	3.9	12.49	25,980	9.69	14.98
Financial managers.....	22,370	3.1	45.69	95,030	28.82	56.44
Retail salespersons.....	19,820	2.7	9.10	18,940	7.18	10.11
General and operations managers.....	18,590	2.6	49.19	102,320	26.83	64.66
Securities, commodities, and financial services sales agents.....	18,270	2.5	30.44	63,320	15.33	35.34
Activities related to credit intermediation (NAICS 522300)						
Customer service representatives.....	32,420	11.5	12.96	26,960	10.49	14.94
Loan officers.....	31,930	11.3	29.69	61,770	17.39	34.85
Tellers.....	27,020	9.6	9.70	20,170	7.97	10.92
Loan interviewers and clerks.....	21,180	7.5	15.58	32,400	11.50	18.63
First-line supervisors/managers of office and administrative support workers.....	15,050	5.3	19.75	41,090	14.58	23.43
Bill and account collectors.....	12,400	4.4	13.24	27,550	10.48	14.59
Office clerks, general.....	9,620	3.4	11.33	23,580	9.07	13.34
Cashiers.....	8,160	2.9	9.14	19,010	7.59	10.43
General and operations managers.....	6,330	2.2	55.05	114,500	29.20	(?)
Telemarketers.....	6,120	2.2	11.01	22,900	7.33	12.17
Securities and commodity contracts intermediation and brokerage (NAICS 523100)						
Securities, commodities, and financial services sales agents.....	138,500	28.2	46.90	97,550	20.03	67.67
Brokerage clerks.....	50,650	10.3	17.68	36,780	13.35	21.14
Customer service representatives.....	33,120	6.8	16.86	35,080	12.71	20.10
Office clerks, general.....	29,600	6.0	12.48	25,970	9.36	14.63
Personal financial advisors.....	24,490	5.0	42.07	87,500	20.90	55.46
Executive secretaries and administrative assistants.....	19,530	4.0	20.46	42,550	15.20	24.45
Financial managers.....	13,230	2.7	60.37	125,570	35.07	(?)
First-line supervisors/managers of office and administrative support workers.....	12,400	2.5	23.52	48,920	16.62	29.13
Bookkeeping, accounting, and auditing clerks.....	10,430	2.1	17.39	36,170	13.12	20.09
General and operations managers.....	9,960	2.0	59.44	123,630	34.99	(?)
Securities and commodity exchanges (NAICS 523200)						
Securities, commodities, and financial services sales agents.....	1,220	13.6	42.42	88,230	19.48	58.86
Executive secretaries and administrative assistants.....	720	8.1	22.65	47,110	18.14	26.30
Brokerage clerks.....	700	7.8	21.87	45,490	16.34	23.94
Financial managers.....	600	6.7	62.65	130,300	41.95	(?)
General and operations managers.....	390	4.4	55.76	115,970	41.76	59.25
Computer programmers.....	370	4.1	33.31	69,290	26.70	39.95
Office clerks, general.....	320	3.6	16.07	33,430	12.76	19.40
Compliance officers, except agriculture, construction, health and safety, and transportation.....	240	2.7	31.80	66,140	21.98	32.62
Security guards.....	180	2.0	14.99	31,190	11.71	19.20
Computer software engineers, applications.....	170	1.9	43.09	89,620	29.63	48.66
Other financial investment activities (NAICS 523900)						
Executive secretaries and administrative assistants.....	21,550	8.1	21.40	44,520	15.78	25.52
Financial analysts.....	18,040	6.8	49.37	102,700	24.29	(?)
Securities, commodities, and financial services sales agents.....	17,270	6.5	48.10	100,040	23.22	67.49
Office clerks, general.....	15,310	5.7	12.06	25,090	8.42	13.52
Financial managers.....	11,570	4.3	65.17	135,550	41.30	(?)
Accountants and auditors.....	9,780	3.7	29.15	60,640	20.44	35.66
Bookkeeping, accounting, and auditing clerks.....	9,210	3.5	18.47	38,410	13.66	22.06
General and operations managers.....	8,850	3.3	67.40	140,190	39.21	(?)
Secretaries, except legal, medical, and executive.....	8,300	3.1	15.34	31,900	10.67	19.41
Brokerage clerks.....	7,330	2.7	19.32	40,180	14.45	21.82

See footnotes at end of table.

Table 2. National employment and wage data for the 10 largest occupations by industry from the Occupational Employment Statistics survey, May 2003 - Continued

Occupation	Employment	Percent of industry employment	Mean wages		Percentiles	
			Hourly	Annual ¹	25th	75th
Insurance carriers (NAICS 524100)						
Claims adjusters, examiners, and investigators.....	142,180	10.9	\$ 23.05	\$ 47,940	\$ 16.64	\$ 28.39
Insurance claims and policy processing clerks.....	129,060	9.9	14.58	30,330	11.64	17.04
Customer service representatives.....	123,250	9.4	14.52	30,190	11.98	16.64
Insurance sales agents.....	80,150	6.1	24.65	51,270	14.38	28.95
Insurance underwriters.....	63,700	4.9	25.91	53,890	17.84	31.12
Office clerks, general.....	48,590	3.7	12.07	25,100	9.65	14.09
First-line supervisors/managers of office and administrative support workers.....	43,060	3.3	24.29	50,530	18.56	29.06
Computer systems analysts.....	30,640	2.4	30.62	63,680	24.50	36.31
Executive secretaries and administrative assistants.....	28,510	2.2	18.20	37,860	14.58	21.10
Secretaries, except legal, medical, and executive.....	24,810	1.9	14.65	30,470	11.68	17.33
Agencies, brokerages, and other insurance related activities (NAICS 524200)						
Insurance sales agents.....	182,310	21.9	26.63	55,390	13.59	31.37
Customer service representatives.....	106,630	12.8	14.22	29,570	10.89	16.94
Insurance claims and policy processing clerks.....	75,970	9.1	13.96	29,040	10.85	16.49
Office clerks, general.....	57,970	7.0	10.42	21,680	7.95	12.45
Claims adjusters, examiners, and investigators.....	52,530	6.3	21.91	45,580	15.41	26.58
Secretaries, except legal, medical, and executive.....	48,770	5.9	11.20	23,290	8.63	13.29
Executive secretaries and administrative assistants.....	29,550	3.5	17.36	36,110	13.25	20.36
First-line supervisors/managers of office and administrative support workers.....	23,230	2.8	22.85	47,520	16.57	27.28
Bookkeeping, accounting, and auditing clerks.....	22,520	2.7	14.75	30,680	11.05	17.80
Insurance underwriters.....	19,230	2.3	25.27	52,560	16.52	29.77
Insurance and employee benefit funds (NAICS 525100)						
Customer service representatives.....	3,750	7.9	18.61	38,700	13.44	21.80
Insurance claims and policy processing clerks.....	2,490	5.3	15.48	32,190	12.54	17.42
First-line supervisors/managers of office and administrative support workers.....	2,310	4.9	29.83	62,040	19.91	33.33
Office clerks, general.....	2,190	4.6	13.64	28,360	10.11	16.19
Bookkeeping, accounting, and auditing clerks.....	1,830	3.9	17.62	36,660	13.91	20.13
Secretaries, except legal, medical, and executive.....	1,760	3.7	15.66	32,560	10.90	18.86
Executive secretaries and administrative assistants.....	1,750	3.7	19.33	40,210	15.22	22.74
Accountants and auditors.....	1,230	2.6	29.65	61,660	20.24	33.00
General and operations managers.....	940	2.0	59.36	123,460	37.12	(?)
Lawyers.....	900	1.9	53.41	111,090	35.87	67.11
Other investment pools and funds (NAICS 525900)						
Customer service representatives.....	2,630	7.1	16.96	35,280	15.22	18.58
Accountants and auditors.....	2,300	6.2	27.64	57,480	19.11	34.09
Executive secretaries and administrative assistants.....	1,960	5.3	18.49	38,460	14.99	21.44
Bookkeeping, accounting, and auditing clerks.....	1,530	4.1	15.58	32,410	12.03	18.77
General and operations managers.....	1,440	3.9	53.83	111,980	31.92	(?)
Office clerks, general.....	1,330	3.6	11.37	23,650	8.46	13.80
Financial managers.....	1,230	3.3	48.54	100,950	32.11	58.42
Financial analysts.....	1,180	3.2	38.78	80,670	21.06	47.25
Personal financial advisors.....	1,160	3.1	41.43	86,170	21.62	52.97
Secretaries, except legal, medical, and executive.....	1,120	3.0	12.91	26,860	9.33	16.28
Lessors of real estate (NAICS 531100)						
Maintenance and repair workers, general.....	117,600	19.5	12.56	26,120	8.97	14.89
Property, real estate, and community association managers.....	51,780	8.6	19.06	39,640	11.07	22.25
Janitors and cleaners, except maids and housekeeping cleaners.....	51,080	8.5	10.74	22,350	7.63	13.83
Office clerks, general.....	30,150	5.0	9.45	19,660	6.78	11.14
Real estate sales agents.....	24,900	4.1	14.03	29,190	8.82	15.68
Landscaping and groundskeeping workers.....	20,940	3.5	9.34	19,420	7.56	10.68
Maids and housekeeping cleaners.....	20,460	3.4	8.84	18,400	7.31	9.92
Counter and rental clerks.....	20,290	3.4	9.78	20,340	7.54	11.14
Secretaries, except legal, medical, and executive.....	18,200	3.0	11.66	24,240	9.49	13.24
Security guards.....	17,130	2.8	11.85	24,650	7.97	14.44
Offices of real estate agents and brokers (NAICS 531200)						
Real estate sales agents.....	46,260	15.2	23.14	48,130	11.25	28.84
Office clerks, general.....	34,830	11.4	10.41	21,650	8.48	12.22
Real estate brokers.....	21,600	7.1	32.60	67,800	14.00	36.82
Receptionists and information clerks.....	17,760	5.8	10.02	20,850	8.13	11.31
Executive secretaries and administrative assistants.....	17,280	5.7	16.13	33,560	12.34	18.16
Property, real estate, and community association managers.....	15,360	5.1	22.56	46,930	11.10	26.58
Bookkeeping, accounting, and auditing clerks.....	14,170	4.7	14.47	30,100	11.33	17.68
Maintenance and repair workers, general.....	14,160	4.7	12.32	25,620	9.02	14.97
First-line supervisors/managers of office and administrative support workers.....	6,420	2.1	18.61	38,710	13.81	21.36
Janitors and cleaners, except maids and housekeeping cleaners.....	6,010	2.0	9.54	19,840	7.27	10.97

See footnotes at end of table.

Table 2. National employment and wage data for the 10 largest occupations by industry from the Occupational Employment Statistics survey, May 2003 - Continued

Occupation	Employment	Percent of industry employment	Mean wages		Percentiles	
			Hourly	Annual ¹	25th	75th
Activities related to real estate (NAICS 531300)						
Maintenance and repair workers, general.....	63,830	13.8	\$ 12.40	\$ 25,790	\$ 9.09	\$ 14.91
Property, real estate, and community association managers.....	50,530	10.9	21.71	45,160	12.76	26.12
Office clerks, general.....	25,180	5.4	11.06	23,010	8.20	12.95
Janitors and cleaners, except maids and housekeeping cleaners.....	24,270	5.2	10.23	21,280	7.62	12.30
Appraisers and assessors of real estate.....	23,160	5.0	25.76	53,580	15.43	30.71
Real estate sales agents.....	22,340	4.8	19.87	41,330	10.14	23.06
Bookkeeping, accounting, and auditing clerks.....	20,130	4.4	15.14	31,490	12.05	17.72
Executive secretaries and administrative assistants.....	15,890	3.4	17.16	35,700	13.03	20.47
Maids and housekeeping cleaners.....	15,320	3.3	9.31	19,360	7.53	10.57
Landscaping and groundskeeping workers.....	13,640	3.0	9.99	20,780	8.01	11.26
Automotive equipment rental and leasing (NAICS 532100)						
Counter and rental clerks.....	44,380	22.9	11.01	22,900	8.06	13.15
Cleaners of vehicles and equipment.....	22,000	11.3	9.32	19,390	7.60	10.51
Bus and truck mechanics and diesel engine specialists.....	14,440	7.4	16.82	34,990	13.66	19.93
First-line supervisors/managers of retail sales workers.....	8,220	4.2	18.93	39,380	14.46	21.82
Taxi drivers and chauffeurs.....	7,170	3.7	8.69	18,080	6.96	9.90
Automotive service technicians and mechanics.....	6,950	3.6	14.59	30,350	10.91	17.54
Customer service representatives.....	5,820	3.0	11.93	24,820	9.21	14.04
Parking lot attendants.....	5,680	2.9	7.62	15,840	6.75	8.37
Office clerks, general.....	5,040	2.6	11.25	23,410	8.60	13.61
General and operations managers.....	4,440	2.3	34.63	72,040	20.79	41.63
Consumer goods rental (NAICS 532200)						
Counter and rental clerks.....	99,390	35.2	8.05	16,740	6.42	8.93
Cashiers.....	31,880	11.3	7.04	14,640	6.16	7.78
First-line supervisors/managers of retail sales workers.....	25,390	9.0	13.67	28,430	9.72	16.22
Retail salespersons.....	16,800	6.0	9.77	20,310	7.07	10.74
Truck drivers, light or delivery services.....	15,010	5.3	10.56	21,950	8.38	12.39
General and operations managers.....	6,700	2.4	31.08	64,660	18.03	35.67
Customer service representatives.....	5,680	2.0	11.29	23,470	8.61	13.21
Laborers and freight, stock, and material movers, hand.....	4,840	1.7	9.11	18,940	7.32	10.47
Bill and account collectors.....	4,370	1.6	12.37	25,720	9.76	14.40
Office clerks, general.....	4,260	1.5	10.32	21,460	7.85	12.11
General rental centers (NAICS 532300)						
Counter and rental clerks.....	11,600	18.4	11.54	24,010	8.16	13.72
Truck drivers, light or delivery services.....	5,420	8.6	11.50	23,920	8.81	13.31
Laborers and freight, stock, and material movers, hand.....	4,300	6.8	9.80	20,390	7.74	11.04
General and operations managers.....	2,840	4.5	33.94	70,600	20.40	39.56
Maintenance and repair workers, general.....	2,760	4.4	12.50	26,000	9.39	14.92
First-line supervisors/managers of retail sales workers.....	2,400	3.8	18.66	38,810	13.19	22.53
Bookkeeping, accounting, and auditing clerks.....	1,740	2.8	13.92	28,940	10.47	16.53
Mobile heavy equipment mechanics, except engines.....	1,630	2.6	15.54	32,310	12.72	17.72
Outdoor power equipment and other small engine mechanics.....	1,560	2.5	12.92	26,880	10.49	14.55
Sales representatives, wholesale and manufacturing, except technical and scientific products.....	1,400	2.2	28.21	58,670	16.90	38.40
Commercial and industrial machinery and equipment rental and leasing (NAICS 532400)						
Counter and rental clerks.....	6,500	6.4	12.93	26,890	8.38	14.51
Mobile heavy equipment mechanics, except engines.....	5,950	5.9	16.81	34,970	13.21	19.77
Truck drivers, heavy and tractor-trailer.....	5,050	5.0	14.88	30,940	11.37	17.38
General and operations managers.....	4,110	4.1	41.96	87,270	23.52	50.32
Truck drivers, light or delivery services.....	3,890	3.9	12.91	26,840	9.73	15.23
Laborers and freight, stock, and material movers, hand.....	3,820	3.8	10.37	21,570	8.17	11.96
Maintenance and repair workers, general.....	3,250	3.2	13.65	28,400	10.30	16.10
Bookkeeping, accounting, and auditing clerks.....	2,570	2.5	13.72	28,530	10.04	17.00
Office clerks, general.....	2,420	2.4	11.78	24,510	8.33	13.29
Sales representatives, wholesale and manufacturing, except technical and scientific products.....	2,230	2.2	22.09	45,950	15.08	26.40
Lessors of nonfinancial intangible assets (except copyrighted works) (NAICS 533100)						
General and operations managers.....	1,880	7.1	51.68	107,490	27.84	(?)
Executive secretaries and administrative assistants.....	1,610	6.1	18.36	38,180	14.49	21.71
Office clerks, general.....	1,270	4.8	11.58	24,090	7.94	14.80
Bookkeeping, accounting, and auditing clerks.....	1,110	4.2	14.05	29,230	10.09	17.44
Secretaries, except legal, medical, and executive.....	920	3.5	12.28	25,540	7.42	16.04
Janitors and cleaners, except maids and housekeeping cleaners.....	750	2.8	10.49	21,820	8.35	11.37
Accountants and auditors.....	740	2.8	24.80	51,580	17.99	29.02
First-line supervisors/managers of office and administrative support workers.....	720	2.7	21.59	44,900	15.33	25.85
Management analysts.....	680	2.6	34.46	71,670	20.16	35.69
Customer service representatives.....	550	2.1	15.02	31,240	10.94	17.48

See footnotes at end of table.

Table 2. National employment and wage data for the 10 largest occupations by industry from the Occupational Employment Statistics survey, May 2003 - Continued

Occupation	Employment	Percent of industry employment	Mean wages		Percentiles	
			Hourly	Annual ¹	25th	75th
Legal services (NAICS 541100)						
Lawyers.....	346,500	30.5	\$ 54.77	\$113,920	\$ 29.76	(?)
Legal secretaries.....	228,980	20.2	17.90	37,230	13.41	\$ 21.90
Paralegals and legal assistants.....	152,830	13.5	18.99	39,490	14.00	22.51
Secretaries, except legal, medical, and executive.....	61,150	5.4	13.06	27,170	10.11	15.09
Office clerks, general.....	45,620	4.0	10.59	22,030	8.15	12.59
Receptionists and information clerks.....	31,080	2.7	11.18	23,260	8.66	13.22
Executive secretaries and administrative assistants.....	27,650	2.4	17.87	37,170	13.74	21.49
Bookkeeping, accounting, and auditing clerks.....	26,530	2.3	15.24	31,700	12.21	17.72
Law clerks.....	18,620	1.6	14.18	29,490	8.93	17.62
Title examiners, abstractors, and searchers.....	18,080	1.6	16.12	33,530	11.51	18.95
Accounting, tax preparation, bookkeeping, and payroll services (NAICS 541200)						
Accountants and auditors.....	223,760	28.4	30.11	62,640	19.22	34.08
Bookkeeping, accounting, and auditing clerks.....	86,930	11.0	13.50	28,070	10.27	16.15
Tax preparers.....	47,830	6.1	15.35	31,930	8.98	18.58
Office clerks, general.....	36,520	4.6	10.61	22,070	7.98	12.78
Secretaries, except legal, medical, and executive.....	33,880	4.3	12.70	26,420	9.41	15.50
Billing and posting clerks and machine operators.....	25,010	3.2	12.05	25,060	9.63	13.76
Executive secretaries and administrative assistants.....	22,230	2.8	17.69	36,800	13.78	21.16
First-line supervisors/managers of office and administrative support workers.....	18,910	2.4	20.39	42,410	14.68	24.58
Customer service representatives.....	18,220	2.3	15.59	32,430	11.12	17.63
General and operations managers.....	15,620	2.0	50.99	106,050	26.57	68.36
Architectural, engineering, and related services (NAICS 541300)						
Civil engineers.....	99,400	8.1	31.49	65,500	23.24	38.14
Architects, except landscape and naval.....	76,150	6.2	31.13	64,750	21.31	36.13
Architectural and civil drafters.....	72,120	5.9	18.54	38,570	14.49	21.76
Surveyors.....	39,870	3.2	20.38	42,380	13.91	25.51
Surveying and mapping technicians.....	38,440	3.1	14.33	29,820	10.33	17.28
Civil engineering technicians.....	37,780	3.1	18.76	39,010	13.50	23.00
Mechanical engineers.....	36,210	2.9	33.68	70,050	25.10	41.14
Engineering managers.....	36,140	2.9	47.42	98,630	35.65	55.88
Secretaries, except legal, medical, and executive.....	32,970	2.7	13.40	27,870	10.42	16.16
Executive secretaries and administrative assistants.....	31,100	2.5	17.84	37,110	14.63	20.77
Specialized design services (NAICS 541400)						
Graphic designers.....	27,200	22.1	23.59	49,070	14.29	26.59
Interior designers.....	15,790	12.8	22.37	46,530	14.54	26.46
Office clerks, general.....	6,030	4.9	10.52	21,880	7.42	12.69
General and operations managers.....	3,910	3.2	51.77	107,680	26.42	(?)
Bookkeeping, accounting, and auditing clerks.....	3,690	3.0	15.27	31,760	11.74	17.73
Secretaries, except legal, medical, and executive.....	3,170	2.6	11.96	24,890	9.12	14.02
Executive secretaries and administrative assistants.....	2,820	2.3	17.35	36,090	13.82	20.25
Printing machine operators.....	2,670	2.2	12.96	26,960	9.21	15.72
Art directors.....	2,670	2.2	37.03	77,010	25.81	42.39
Advertising sales agents.....	2,250	1.8	29.93	62,260	17.24	36.24
Computer systems design and related services (NAICS 541500)						
Computer software engineers, applications.....	125,910	11.2	37.57	78,140	26.87	44.13
Computer programmers.....	113,130	10.1	33.81	70,330	23.57	41.31
Computer systems analysts.....	93,270	8.3	34.57	71,900	24.11	42.38
Computer support specialists.....	82,950	7.4	21.12	43,930	14.28	26.37
Computer software engineers, systems software.....	77,110	6.9	38.19	79,420	28.05	46.28
Network and computer systems administrators.....	36,470	3.3	30.43	63,290	23.22	36.78
Computer and information systems managers.....	34,690	3.1	51.72	107,590	37.70	62.19
Customer service representatives.....	31,770	2.8	16.44	34,200	10.61	19.72
General and operations managers.....	31,340	2.8	61.64	128,210	39.14	(?)
Management analysts.....	25,630	2.3	39.57	82,310	26.51	48.28
Management, scientific, and technical consulting services (NAICS 541600)						
Management analysts.....	109,670	14.7	42.58	88,570	22.90	55.15
Office clerks, general.....	41,850	5.6	10.90	22,680	7.21	13.55
Executive secretaries and administrative assistants.....	30,200	4.0	18.31	38,080	13.94	21.60
General and operations managers.....	27,340	3.7	59.12	122,970	33.11	(?)
Secretaries, except legal, medical, and executive.....	25,150	3.4	13.09	27,220	9.65	16.23
Customer service representatives.....	21,840	2.9	14.70	30,570	10.85	16.90
Bookkeeping, accounting, and auditing clerks.....	18,150	2.4	14.93	31,050	11.45	17.94
Employment, recruitment, and placement specialists.....	15,720	2.1	35.59	74,020	18.26	41.54
Accountants and auditors.....	13,310	1.8	26.19	54,480	15.79	31.60
First-line supervisors/managers of office and administrative support workers.....	12,250	1.6	22.44	46,670	16.04	27.47

See footnotes at end of table.

Table 2. National employment and wage data for the 10 largest occupations by industry from the Occupational Employment Statistics survey, May 2003 - Continued

Occupation	Employment	Percent of industry employment	Mean wages		Percentiles	
			Hourly	Annual ¹	25th	75th
Scientific research and development services (NAICS 541700)						
Medical scientists, except epidemiologists.....	19,290	3.6	\$ 33.96	\$ 70,630	\$ 21.05	\$ 42.27
Executive secretaries and administrative assistants.....	18,130	3.4	19.65	40,870	15.67	22.95
Computer software engineers, systems software.....	14,310	2.7	43.18	89,810	33.39	50.97
Biological technicians.....	14,250	2.7	18.01	37,470	14.28	21.34
Chemists.....	13,400	2.5	30.69	63,830	19.70	39.84
General and operations managers.....	12,830	2.4	59.16	123,050	38.68	(?)
Office clerks, general.....	10,850	2.0	13.55	28,180	10.24	16.27
Secretaries, except legal, medical, and executive.....	10,700	2.0	15.92	33,120	12.75	18.92
Mechanical engineers.....	8,920	1.7	35.04	72,890	26.89	42.07
Computer software engineers, applications.....	8,260	1.5	36.24	75,390	27.79	43.97
Advertising and related services (NAICS 541800)						
Advertising sales agents.....	38,160	8.7	25.70	53,460	15.75	31.31
Graphic designers.....	21,880	5.0	21.31	44,330	14.24	25.54
Public relations specialists.....	18,060	4.1	27.77	57,760	16.66	32.84
Demonstrators and product promoters.....	17,920	4.1	9.25	19,240	7.51	9.76
Mail clerks and mail machine operators, except postal service.....	17,260	4.0	9.92	20,630	7.88	11.41
General and operations managers.....	16,680	3.8	58.13	120,910	31.59	(?)
Office clerks, general.....	13,840	3.2	11.29	23,480	8.47	13.58
Executive secretaries and administrative assistants.....	12,410	2.8	17.77	36,960	14.33	20.81
Sales representatives, wholesale and manufacturing, except technical and scientific products.....	11,180	2.6	23.94	49,790	13.87	29.55
Customer service representatives.....	10,840	2.5	15.15	31,520	10.88	18.43
Other professional, scientific, and technical services (NAICS 541900)						
Veterinary assistants and laboratory animal caretakers.....	56,920	11.5	8.96	18,630	7.22	10.25
Veterinary technologists and technicians.....	49,070	9.9	11.55	24,030	9.34	13.41
Interviewers, except eligibility and loan.....	44,240	8.9	9.02	18,760	7.46	10.11
Veterinarians.....	40,500	8.2	36.16	75,210	23.79	42.58
Receptionists and information clerks.....	37,540	7.6	10.08	20,970	8.30	11.52
Photographers.....	37,540	7.6	13.15	27,340	8.04	15.36
Nonfarm animal caretakers.....	22,960	4.6	8.31	17,270	6.59	9.24
Office clerks, general.....	17,610	3.6	9.91	20,620	7.51	11.42
First-line supervisors/managers of office and administrative support workers.....	10,620	2.1	16.73	34,790	11.74	19.91
Secretaries, except legal, medical, and executive.....	10,220	2.1	10.88	22,630	8.23	12.42
Management of companies and enterprises (NAICS 551100)						
Customer service representatives.....	66,140	4.0	14.21	29,550	10.88	16.47
Bookkeeping, accounting, and auditing clerks.....	64,160	3.8	14.34	29,830	11.40	16.79
Office clerks, general.....	60,080	3.6	12.55	26,100	9.46	14.83
Executive secretaries and administrative assistants.....	57,100	3.4	18.75	39,000	14.84	21.99
General and operations managers.....	51,610	3.1	54.30	112,940	32.71	(?)
Accountants and auditors.....	49,800	3.0	26.72	55,570	19.55	31.99
First-line supervisors/managers of office and administrative support workers.....	42,420	2.5	23.17	48,190	17.41	27.51
Financial managers.....	35,060	2.1	50.41	104,850	33.76	60.87
Secretaries, except legal, medical, and executive.....	27,670	1.7	15.15	31,510	11.70	17.88
Computer systems analysts.....	25,060	1.5	31.41	65,320	24.72	37.40
Office administrative services (NAICS 561100)						
General and operations managers.....	14,610	4.9	50.89	105,860	27.37	69.84
Customer service representatives.....	14,170	4.7	13.21	27,490	9.75	15.48
Office clerks, general.....	13,680	4.6	10.96	22,790	8.53	13.13
Bookkeeping, accounting, and auditing clerks.....	12,230	4.1	14.31	29,760	11.10	16.96
Executive secretaries and administrative assistants.....	12,130	4.0	17.65	36,710	12.50	21.12
Management analysts.....	10,130	3.4	39.71	82,590	21.69	54.55
First-line supervisors/managers of office and administrative support workers.....	9,110	3.0	20.61	42,880	15.44	24.49
Accountants and auditors.....	8,840	3.0	27.94	58,120	18.30	30.82
Secretaries, except legal, medical, and executive.....	6,630	2.2	12.75	26,510	9.90	15.38
Billing and posting clerks and machine operators.....	6,220	2.1	12.89	26,800	10.29	15.30
Facilities support services (NAICS 561200)						
Correctional officers and jailers.....	15,780	15.1	12.45	25,900	9.01	17.51
Security guards.....	4,850	4.6	10.75	22,350	8.13	12.93
Janitors and cleaners, except maids and housekeeping cleaners.....	4,250	4.1	8.69	18,080	6.64	10.24
Maintenance and repair workers, general.....	3,990	3.8	15.51	32,260	10.47	19.79
Laborers and freight, stock, and material movers, hand.....	2,320	2.2	9.59	19,960	7.73	10.85
Electrical and electronic engineering technicians.....	2,300	2.2	21.04	43,770	17.57	24.90
Mail clerks and mail machine operators, except postal service.....	1,830	1.8	9.85	20,500	8.27	11.07
General and operations managers.....	1,770	1.7	37.64	78,280	22.63	45.86
First-line supervisors/managers of correctional officers.....	1,700	1.6	16.70	34,730	12.25	20.02
Stock clerks and order fillers.....	1,610	1.5	11.44	23,790	8.43	13.78

See footnotes at end of table.

Table 2. National employment and wage data for the 10 largest occupations by industry from the Occupational Employment Statistics survey, May 2003 - Continued

Occupation	Employment	Percent of industry employment	Mean wages		Percentiles	
			Hourly	Annual ¹	25th	75th
Employment services (NAICS 561300)						
Laborers and freight, stock, and material movers, hand.....	475,680	14.4	\$ 8.39	\$ 17,460	\$ 7.00	\$ 9.34
Office clerks, general.....	179,140	5.4	10.51	21,850	8.35	12.04
Packers and packagers, hand.....	145,940	4.4	7.83	16,290	6.83	8.62
Helpers--production workers.....	85,070	2.6	8.10	16,860	6.79	8.99
Packaging and filling machine operators and tenders.....	78,550	2.4	8.92	18,550	6.99	10.23
Secretaries, except legal, medical, and executive.....	73,490	2.2	12.28	25,550	9.71	14.56
Registered nurses.....	70,400	2.1	28.25	58,770	21.88	34.45
Customer service representatives.....	70,070	2.1	11.46	23,840	9.29	13.04
Team assemblers.....	66,680	2.0	9.10	18,930	7.43	10.14
Receptionists and information clerks.....	64,260	2.0	10.42	21,670	8.58	11.87
Business support services (NAICS 561400)						
Telemarketers.....	148,030	19.5	9.43	19,610	7.57	10.42
Customer service representatives.....	114,590	15.1	10.84	22,540	8.90	12.14
Bill and account collectors.....	80,970	10.7	12.60	26,200	9.73	14.14
First-line supervisors/managers of office and administrative support workers.....	26,170	3.5	18.03	37,490	13.37	21.30
Switchboard operators, including answering service.....	24,550	3.2	8.92	18,540	7.33	10.32
Office clerks, general.....	20,960	2.8	10.73	22,330	8.50	12.46
Office machine operators, except computer.....	19,230	2.5	10.28	21,380	8.39	11.69
General and operations managers.....	15,230	2.0	41.69	86,720	22.50	54.06
Computer support specialists.....	12,310	1.6	13.89	28,900	9.32	16.51
Medical transcriptionists.....	12,230	1.6	13.25	27,550	10.25	16.02
Travel arrangement and reservation services (NAICS 561500)						
Travel agents.....	95,230	38.9	13.82	28,750	10.05	16.39
Reservation and transportation ticket agents and travel clerks.....	20,180	8.2	12.20	25,370	9.30	13.93
Customer service representatives.....	12,320	5.0	12.16	25,300	9.86	13.86
Office clerks, general.....	7,250	3.0	10.70	22,250	8.32	12.53
First-line supervisors/managers of non-retail sales workers.....	6,350	2.6	22.68	47,180	15.61	26.48
Bookkeeping, accounting, and auditing clerks.....	6,330	2.6	13.16	27,380	10.42	15.55
Telemarketers.....	5,970	2.4	9.44	19,640	7.84	10.28
General and operations managers.....	5,210	2.1	39.72	82,610	23.34	49.07
Receptionists and information clerks.....	5,130	2.1	9.64	20,060	7.99	11.02
First-line supervisors/managers of office and administrative support workers.....	5,110	2.1	19.56	40,670	14.79	22.98
Investigation and security services (NAICS 561600)						
Security guards.....	533,060	74.2	9.33	19,400	7.48	10.57
Security and fire alarm systems installers.....	22,020	3.1	16.28	33,860	12.32	20.00
Locksmiths and safe repairers.....	14,680	2.0	13.99	29,090	10.14	16.67
Private detectives and investigators.....	9,690	1.4	17.43	36,250	11.53	20.43
General and operations managers.....	8,110	1.1	35.04	72,880	20.82	41.40
Dispatchers, except police, fire, and ambulance.....	5,120	0.7	11.70	24,330	9.05	13.43
Secretaries, except legal, medical, and executive.....	4,160	0.6	11.47	23,850	8.90	13.49
Janitors and cleaners, except maids and housekeeping cleaners.....	3,990	0.6	8.48	17,630	6.78	9.66
Customer service representatives.....	3,860	0.5	12.61	26,220	10.05	14.38
First-line supervisors/managers of office and administrative support workers.....	3,470	0.5	18.72	38,940	14.22	22.05
Services to buildings and dwellings (NAICS 561700)						
Janitors and cleaners, except maids and housekeeping cleaners.....	665,660	40.2	8.50	17,690	6.81	9.71
Landscaping and groundskeeping workers.....	365,950	22.1	10.05	20,900	7.96	11.47
Maids and housekeeping cleaners.....	100,620	6.1	8.25	17,150	6.81	9.38
Pest control workers.....	55,770	3.4	12.68	26,380	9.51	15.14
First-line supervisors/managers of housekeeping and janitorial workers.....	53,720	3.2	14.36	29,860	10.01	17.62
First-line supervisors/managers of landscaping, lawn service, and groundskeeping workers.....	48,860	3.0	16.96	35,270	12.47	20.09
Tree trimmers and pruners.....	35,850	2.2	12.80	26,630	9.78	15.11
General and operations managers.....	27,970	1.7	32.24	67,060	18.83	38.02
Office clerks, general.....	27,510	1.7	10.24	21,300	7.69	12.26
Pesticide handlers, sprayers, and applicators, vegetation.....	16,960	1.0	13.01	27,060	10.64	15.14
Other support services (NAICS 561900)						
Packers and packagers, hand.....	17,350	5.9	8.22	17,090	7.05	9.09
Laborers and freight, stock, and material movers, hand.....	16,000	5.5	10.29	21,410	7.21	12.15
Weighers, measurers, checkers, and samplers, recordkeeping.....	11,880	4.1	9.66	20,100	7.88	10.54
Customer service representatives.....	9,300	3.2	12.86	26,750	9.82	15.26
Inspectors, testers, sorters, samplers, and weighers.....	9,230	3.2	13.34	27,740	8.58	17.47
Stock clerks and order fillers.....	8,950	3.1	9.80	20,390	7.99	10.92
Packaging and filling machine operators and tenders.....	8,520	2.9	10.03	20,870	8.01	11.73
Office clerks, general.....	8,060	2.8	10.58	22,010	7.93	12.54
General and operations managers.....	6,620	2.3	45.53	94,700	25.38	56.81
Demonstrators and product promoters.....	5,960	2.0	12.13	25,240	8.04	13.18

See footnotes at end of table.

Table 2. National employment and wage data for the 10 largest occupations by industry from the Occupational Employment Statistics survey, May 2003 - Continued

Occupation	Employment	Percent of industry employment	Mean wages		Percentiles	
			Hourly	Annual ¹	25th	75th
Waste collection (NAICS 562100)						
Refuse and recyclable material collectors.....	31,370	28.1	\$ 13.04	\$ 27,130	\$ 9.52	\$ 15.93
Truck drivers, heavy and tractor-trailer.....	29,340	26.3	15.12	31,460	11.45	17.73
Laborers and freight, stock, and material movers, hand.....	6,720	6.0	9.53	19,820	7.18	10.85
Bus and truck mechanics and diesel engine specialists.....	4,120	3.7	15.83	32,920	12.43	18.44
Truck drivers, light or delivery services.....	3,310	3.0	12.76	26,530	9.93	14.99
Office clerks, general.....	2,910	2.6	10.45	21,730	7.81	12.57
General and operations managers.....	2,460	2.2	38.49	80,060	24.73	44.14
First-line supervisors/managers of transportation and material-moving machine and vehicle operators.....	2,320	2.1	23.09	48,030	16.74	27.08
Bookkeeping, accounting, and auditing clerks.....	1,770	1.6	13.19	27,440	9.92	15.90
Customer service representatives.....	1,690	1.5	13.07	27,190	10.40	14.56
Waste treatment and disposal (NAICS 562200)						
Refuse and recyclable material collectors.....	20,490	18.5	13.83	28,770	10.13	16.84
Truck drivers, heavy and tractor-trailer.....	13,800	12.5	15.44	32,110	12.33	17.76
Hazardous materials removal workers.....	5,060	4.6	19.78	41,150	14.51	25.50
Maintenance and repair workers, general.....	4,300	3.9	17.85	37,130	13.01	23.20
Laborers and freight, stock, and material movers, hand.....	3,870	3.5	10.12	21,040	8.06	11.53
Office clerks, general.....	2,660	2.4	12.58	26,170	9.68	15.25
Industrial truck and tractor operators.....	2,610	2.4	13.89	28,880	10.75	16.35
General and operations managers.....	2,540	2.3	40.15	83,520	25.25	48.35
Operating engineers and other construction equipment operators.....	2,460	2.2	16.54	34,400	11.97	20.63
Customer service representatives.....	2,170	2.0	13.39	27,850	10.45	15.71
Remediation and other waste management services (NAICS 562900)						
Hazardous materials removal workers.....	21,570	21.8	16.71	34,750	12.19	21.17
Septic tank servicers and sewer pipe cleaners.....	8,280	8.4	13.87	28,860	10.23	16.54
Construction laborers.....	6,300	6.4	14.58	30,320	10.78	16.96
First-line supervisors/managers of construction trades and extraction workers.....	4,620	4.7	23.46	48,800	17.31	28.54
Truck drivers, heavy and tractor-trailer.....	4,490	4.5	15.23	31,670	11.73	18.08
General and operations managers.....	2,680	2.7	41.11	85,510	25.55	49.66
Office clerks, general.....	2,350	2.4	10.76	22,390	8.01	13.00
Laborers and freight, stock, and material movers, hand.....	2,340	2.4	9.78	20,340	7.26	11.52
Refuse and recyclable material collectors.....	2,170	2.2	12.96	26,960	9.19	15.37
Truck drivers, light or delivery services.....	2,140	2.2	12.73	26,480	9.79	14.71
Elementary and secondary schools (NAICS 611100)						
Elementary school teachers, except special education.....	1,410,230	17.4	(²)	44,460	(²)	(²)
Secondary school teachers, except special and vocational education.....	1,003,800	12.4	(²)	46,840	(²)	(²)
Teacher assistants.....	981,620	12.1	(²)	20,220	(²)	(²)
Middle school teachers, except special and vocational education.....	600,210	7.4	(²)	44,860	(²)	(²)
Janitors and cleaners, except maids and housekeeping cleaners.....	353,820	4.4	11.49	23,900	8.37	14.16
Bus drivers, school.....	277,250	3.4	10.87	22,610	6.93	13.88
Secretaries, except legal, medical, and executive.....	212,450	2.6	12.78	26,580	9.69	15.44
Education administrators, elementary and secondary school.....	201,750	2.5	(²)	76,530	(²)	(²)
Special education teachers, preschool, kindergarten, and elementary school.....	199,690	2.5	(²)	46,270	(²)	(²)
Cooks, institution and cafeteria.....	166,220	2.1	8.46	17,600	6.40	10.16
Junior colleges (NAICS 611200)						
Vocational education teachers, postsecondary.....	44,230	6.4	22.22	46,220	15.94	27.00
Office clerks, general.....	34,640	5.0	10.47	21,790	7.36	12.93
Secretaries, except legal, medical, and executive.....	25,450	3.7	13.08	27,200	10.15	15.60
English language and literature teachers, postsecondary.....	22,540	3.3	(²)	51,500	(²)	(²)
Education administrators, postsecondary.....	20,310	3.0	32.75	68,130	23.61	40.51
Janitors and cleaners, except maids and housekeeping cleaners.....	19,360	2.8	11.23	23,350	8.31	13.62
Business teachers, postsecondary.....	19,350	2.8	(²)	51,120	(²)	(²)
Teacher assistants.....	18,970	2.8	(²)	24,500	(²)	(²)
Mathematical science teachers, postsecondary.....	18,240	2.7	(²)	51,550	(²)	(²)
Adult literacy, remedial education, and GED teachers and instructors.....	15,300	2.2	19.41	40,370	13.75	23.45
Colleges, universities, and professional schools (NAICS 611300)						
Office clerks, general.....	127,090	5.0	11.32	23,530	8.25	13.72
Graduate teaching assistants.....	112,810	4.4	(²)	26,260	(²)	(²)
Secretaries, except legal, medical, and executive.....	103,910	4.1	13.05	27,140	10.45	15.42
Executive secretaries and administrative assistants.....	88,050	3.5	16.60	34,520	13.12	19.22
Janitors and cleaners, except maids and housekeeping cleaners.....	81,340	3.2	10.74	22,340	8.29	12.86
Education administrators, postsecondary.....	71,620	2.8	36.72	76,370	23.60	45.18
Health specialties teachers, postsecondary.....	64,180	2.5	(²)	81,530	(²)	(²)
Business teachers, postsecondary.....	46,090	1.8	(²)	68,200	(²)	(²)
Biological science teachers, postsecondary.....	43,820	1.7	(²)	71,500	(²)	(²)
Art, drama, and music teachers, postsecondary.....	41,380	1.6	(²)	52,890	(²)	(²)

See footnotes at end of table.

Table 2. National employment and wage data for the 10 largest occupations by industry from the Occupational Employment Statistics survey, May 2003 - Continued

Occupation	Employment	Percent of industry employment	Mean wages		Percentiles	
			Hourly	Annual ¹	25th	75th
Business schools and computer and management training (NAICS 611400)						
Vocational education teachers, postsecondary.....	9,280	10.7	\$ 18.68	\$ 38,860	\$ 13.17	\$ 21.81
Self-enrichment education teachers.....	6,170	7.1	20.34	42,300	13.17	25.40
General and operations managers.....	3,570	4.1	45.70	95,060	27.48	56.56
Executive secretaries and administrative assistants.....	3,490	4.0	15.66	32,580	12.43	17.83
Office clerks, general.....	3,360	3.9	11.13	23,140	8.21	13.44
Training and development specialists.....	2,600	3.0	25.69	53,430	17.40	30.69
Secretaries, except legal, medical, and executive.....	2,310	2.7	12.55	26,100	10.06	14.74
Instructional coordinators.....	2,140	2.5	26.10	54,290	16.69	32.92
Business teachers, postsecondary.....	2,050	2.4	(²)	46,130	(²)	(²)
Computer science teachers, postsecondary.....	2,010	2.3	(²)	53,890	(²)	(²)
Technical and trade schools (NAICS 611500)						
Vocational education teachers, postsecondary.....	36,190	29.3	20.10	41,810	13.88	24.64
Office clerks, general.....	5,340	4.3	10.34	21,500	7.54	12.54
Self-enrichment education teachers.....	5,040	4.1	17.43	36,250	11.25	21.33
Hairdressers, hairstylists, and cosmetologists.....	3,200	2.6	11.16	23,220	7.23	13.25
Secretaries, except legal, medical, and executive.....	3,040	2.5	12.22	25,410	9.59	14.17
General and operations managers.....	2,970	2.4	35.92	74,720	22.49	43.23
Executive secretaries and administrative assistants.....	2,850	2.3	16.29	33,890	12.74	18.92
Receptionists and information clerks.....	2,800	2.3	10.10	21,020	8.10	11.86
Janitors and cleaners, except maids and housekeeping cleaners.....	2,470	2.0	9.74	20,260	7.50	11.28
Teacher assistants.....	2,460	2.0	(²)	22,680	(²)	(²)
Other schools and instruction (NAICS 611600)						
Self-enrichment education teachers.....	44,130	19.0	16.61	34,560	10.12	20.89
Fitness trainers and aerobics instructors.....	16,650	7.2	11.17	23,230	7.74	12.87
Choreographers.....	13,010	5.6	17.22	35,810	9.64	22.39
Office clerks, general.....	9,160	3.9	9.73	20,230	7.39	11.34
Adult literacy, remedial education, and GED teachers and instructors.....	7,990	3.4	15.14	31,490	10.95	17.74
Teacher assistants.....	6,890	3.0	(²)	20,490	(²)	(²)
General and operations managers.....	5,140	2.2	32.63	67,860	18.10	38.43
Secretaries, except legal, medical, and executive.....	4,900	2.1	11.40	23,710	8.66	13.89
Vocational education teachers, postsecondary.....	4,820	2.1	16.97	35,290	10.34	23.23
Receptionists and information clerks.....	4,560	2.0	10.27	21,370	7.88	12.19
Educational support services (NAICS 611700)						
Instructional coordinators.....	5,570	7.8	24.65	51,260	16.81	27.66
Teacher assistants.....	4,790	6.7	(²)	25,640	(²)	(²)
Office clerks, general.....	2,900	4.0	11.45	23,820	7.56	13.73
Educational, vocational, and school counselors.....	2,490	3.5	21.80	45,340	14.99	26.63
Secretaries, except legal, medical, and executive.....	2,390	3.3	12.54	26,080	9.81	14.91
Child care workers.....	2,160	3.0	9.18	19,090	7.76	10.49
Elementary school teachers, except special education.....	2,110	2.9	(²)	45,270	(²)	(²)
Executive secretaries and administrative assistants.....	1,960	2.7	16.61	34,540	12.64	19.50
General and operations managers.....	1,940	2.7	40.17	83,560	25.79	47.08
Customer service representatives.....	1,730	2.4	13.73	28,550	11.55	16.24
Offices of physicians (NAICS 621100)						
Medical assistants.....	207,300	10.4	12.08	25,130	9.97	13.77
Registered nurses.....	194,230	9.7	23.93	49,770	17.42	28.00
Receptionists and information clerks.....	155,920	7.8	10.96	22,790	9.11	12.70
Medical secretaries.....	154,330	7.7	13.05	27,140	10.36	15.20
Billing and posting clerks and machine operators.....	89,910	4.5	13.17	27,380	10.62	15.32
Licensed practical and licensed vocational nurses.....	88,740	4.5	14.74	30,660	11.95	16.61
Office clerks, general.....	75,910	3.8	10.61	22,070	8.30	12.65
Family and general practitioners.....	73,260	3.7	73.24	152,340	51.05	(²)
First-line supervisors/managers of office and administrative support workers.....	62,600	3.1	19.39	40,320	14.89	22.72
Secretaries, except legal, medical, and executive.....	48,460	2.4	12.37	25,730	9.84	14.35
Offices of dentists (NAICS 621200)						
Dental assistants.....	255,830	34.6	13.58	28,250	10.55	16.38
Dental hygienists.....	140,680	19.0	28.19	58,640	22.63	32.95
Dentists.....	88,600	12.0	64.81	134,800	37.55	(²)
Receptionists and information clerks.....	64,010	8.7	12.40	25,780	9.42	14.83
Medical secretaries.....	46,480	6.3	15.25	31,720	11.52	18.55
Office clerks, general.....	28,260	3.8	12.33	25,650	9.19	15.44
Secretaries, except legal, medical, and executive.....	20,170	2.7	14.43	30,020	11.64	16.91
First-line supervisors/managers of office and administrative support workers.....	17,530	2.4	18.96	39,430	14.44	21.92
Bookkeeping, accounting, and auditing clerks.....	14,360	1.9	15.48	32,200	11.64	19.50
Executive secretaries and administrative assistants.....	10,790	1.5	19.40	40,350	14.32	23.30

See footnotes at end of table.

Table 2. National employment and wage data for the 10 largest occupations by industry from the Occupational Employment Statistics survey, May 2003 - Continued

Occupation	Employment	Percent of industry employment	Mean wages		Percentiles	
			Hourly	Annual ¹	25th	75th
Offices of other health practitioners (NAICS 621300)						
Physical therapists.....	40,110	8.0	\$ 29.96	\$ 62,310	\$ 23.33	\$ 34.84
Medical assistants.....	39,630	7.9	10.74	22,330	8.97	12.48
Office clerks, general.....	35,550	7.1	10.27	21,370	8.06	12.11
Receptionists and information clerks.....	33,870	6.7	10.10	21,020	8.20	11.74
Medical secretaries.....	26,990	5.4	11.88	24,700	9.76	13.49
Secretaries, except legal, medical, and executive.....	25,150	5.0	11.34	23,600	9.29	13.31
Opticians, dispensing.....	18,100	3.6	13.07	27,180	9.85	15.44
Chiropractors.....	18,070	3.6	40.51	84,260	21.95	49.23
Physical therapist assistants.....	17,710	3.5	17.30	35,970	14.05	20.61
Occupational therapists.....	16,440	3.3	27.09	56,340	21.86	31.95
Outpatient care centers (NAICS 621400)						
Registered nurses.....	54,780	12.9	24.24	50,420	19.77	27.45
Mental health and substance abuse social workers.....	16,490	3.9	16.46	34,240	12.44	19.10
Medical assistants.....	16,410	3.9	12.19	25,360	10.06	13.91
Mental health counselors.....	15,720	3.7	16.84	35,020	12.48	20.16
Licensed practical and licensed vocational nurses.....	13,910	3.3	15.64	32,530	12.85	17.67
Social and human service assistants.....	13,860	3.3	11.46	23,830	9.13	13.27
Substance abuse and behavioral disorder counselors.....	12,270	2.9	15.86	32,980	12.31	18.01
Nursing aides, orderlies, and attendants.....	10,960	2.6	10.66	22,180	8.74	12.45
Office clerks, general.....	10,450	2.5	11.21	23,320	8.93	13.33
Medical secretaries.....	10,350	2.4	11.79	24,510	9.79	13.45
Medical and diagnostic laboratories (NAICS 621500)						
Medical and clinical laboratory technologists.....	19,730	11.0	21.06	43,800	17.24	24.63
Medical and clinical laboratory technicians.....	18,900	10.5	14.43	30,010	11.02	17.02
Radiologic technologists and technicians.....	13,050	7.3	21.49	44,700	17.70	25.21
Couriers and messengers.....	7,520	4.2	10.14	21,090	8.41	11.49
Customer service representatives.....	6,520	3.6	12.91	26,860	10.39	14.99
Billing and posting clerks and machine operators.....	6,330	3.5	13.42	27,910	10.49	15.58
Office clerks, general.....	4,630	2.6	11.35	23,600	9.04	13.27
Medical assistants.....	4,340	2.4	11.50	23,920	9.64	13.00
Receptionists and information clerks.....	4,260	2.4	11.12	23,130	9.29	12.83
Medical secretaries.....	3,800	2.1	12.81	26,640	10.47	14.48
Home health care services (NAICS 621600)						
Home health aides.....	191,870	27.0	8.72	18,150	7.23	10.09
Personal and home care aides.....	154,940	21.8	7.13	14,830	6.08	8.05
Registered nurses.....	114,430	16.1	23.86	49,630	19.23	27.14
Licensed practical and licensed vocational nurses.....	48,550	6.8	16.36	34,030	13.92	19.01
Nursing aides, orderlies, and attendants.....	36,400	5.1	9.25	19,240	7.34	10.91
Physical therapists.....	12,440	1.8	32.21	67,000	24.25	40.53
Medical and health services managers.....	11,540	1.6	31.36	65,240	23.30	35.24
Office clerks, general.....	10,510	1.5	10.71	22,270	8.48	12.59
Medical and public health social workers.....	7,440	1.1	21.09	43,860	16.11	24.01
General and operations managers.....	6,730	1.0	36.91	76,780	23.82	43.45
Other ambulatory health care services (NAICS 621900)						
Emergency medical technicians and paramedics.....	75,350	38.8	11.60	24,140	8.86	13.62
Registered nurses.....	8,160	4.2	23.09	48,020	19.00	26.70
Ambulance drivers and attendants, except emergency medical technicians.....	6,990	3.6	9.22	19,180	7.31	10.67
Medical and clinical laboratory technicians.....	6,500	3.4	13.71	28,520	10.42	16.52
Medical assistants.....	6,220	3.2	11.68	24,300	9.56	13.51
General and operations managers.....	4,020	2.1	34.62	72,010	21.15	41.12
Office clerks, general.....	3,960	2.0	10.66	22,170	8.49	12.65
Police, fire, and ambulance dispatchers.....	3,930	2.0	11.94	24,840	9.19	14.14
Medical and clinical laboratory technologists.....	3,230	1.7	19.02	39,570	15.36	22.25
First-line supervisors/managers of office and administrative support workers.....	3,040	1.6	19.33	40,210	14.36	23.12
General medical and surgical hospitals (NAICS 622100)						
Registered nurses.....	1,295,870	27.5	25.02	52,050	20.42	28.70
Nursing aides, orderlies, and attendants.....	349,810	7.4	10.53	21,900	8.69	12.24
Licensed practical and licensed vocational nurses.....	179,560	3.8	15.30	31,820	12.64	17.38
Maids and housekeeping cleaners.....	118,480	2.5	9.20	19,130	7.55	10.64
Office clerks, general.....	114,680	2.4	11.66	24,260	9.30	13.77
Radiologic technologists and technicians.....	100,780	2.1	20.13	41,880	16.53	23.61
Medical and clinical laboratory technologists.....	89,110	1.9	21.66	45,040	18.42	25.11
Medical and health services managers.....	81,350	1.7	36.18	75,260	26.73	41.76
Medical secretaries.....	76,450	1.6	12.60	26,210	10.25	14.57
Secretaries, except legal, medical, and executive.....	72,980	1.6	12.97	26,990	10.53	15.10

See footnotes at end of table.

Table 2. National employment and wage data for the 10 largest occupations by industry from the Occupational Employment Statistics survey, May 2003 - Continued

Occupation	Employment	Percent of industry employment	Mean wages		Percentiles	
			Hourly	Annual ¹	25th	75th
Psychiatric and substance abuse hospitals (NAICS 622200)						
Registered nurses.....	30,930	12.7	\$ 23.48	\$ 48,850	\$ 19.80	\$ 26.94
Psychiatric aides.....	25,930	10.6	11.59	24,110	9.12	13.95
Psychiatric technicians.....	21,730	8.9	14.19	29,520	10.50	17.32
Licensed practical and licensed vocational nurses.....	9,150	3.8	15.58	32,410	13.03	17.99
Mental health and substance abuse social workers.....	8,770	3.6	17.55	36,500	13.61	21.30
Nursing aides, orderlies, and attendants.....	8,580	3.5	11.17	23,240	9.11	13.31
Social and human service assistants.....	4,910	2.0	14.21	29,560	10.46	17.24
Mental health counselors.....	4,800	2.0	14.82	30,820	9.54	19.02
Security guards.....	4,550	1.9	15.81	32,890	11.53	20.00
Janitors and cleaners, except maids and housekeeping cleaners.....	4,440	1.8	10.28	21,370	8.16	12.32
Specialty (except psychiatric and substance abuse) hospitals (NAICS 622300)						
Registered nurses.....	37,300	21.3	25.66	53,360	20.91	29.15
Nursing aides, orderlies, and attendants.....	14,320	8.2	10.80	22,470	8.85	12.65
Licensed practical and licensed vocational nurses.....	6,070	3.5	15.90	33,060	13.22	18.29
Physical therapists.....	4,250	2.4	27.26	56,710	23.00	31.26
Medical secretaries.....	3,170	1.8	14.04	29,200	11.09	16.61
Medical and health services managers.....	3,000	1.7	38.74	80,570	28.11	44.22
Respiratory therapists.....	2,970	1.7	19.88	41,340	17.36	22.28
Occupational therapists.....	2,960	1.7	25.89	53,850	22.15	28.99
Executive secretaries and administrative assistants.....	2,750	1.6	17.66	36,730	14.22	20.89
Medical assistants.....	2,750	1.6	12.14	25,250	9.63	14.11
Nursing care facilities (NAICS 623100)						
Nursing aides, orderlies, and attendants.....	593,490	37.9	9.83	20,440	8.15	11.21
Licensed practical and licensed vocational nurses.....	176,420	11.3	16.45	34,210	13.77	19.18
Registered nurses.....	121,000	7.7	22.44	46,670	18.77	25.98
Maids and housekeeping cleaners.....	79,280	5.1	8.40	17,480	6.94	9.51
Food preparation workers.....	58,100	3.7	8.49	17,650	7.00	9.58
Cooks, institution and cafeteria.....	47,230	3.0	9.52	19,800	7.64	10.89
Laundry and dry-cleaning workers.....	33,900	2.2	8.36	17,380	6.97	9.48
Home health aides.....	33,720	2.2	9.15	19,030	7.66	10.45
Recreation workers.....	27,690	1.8	10.17	21,150	8.00	11.79
Janitors and cleaners, except maids and housekeeping cleaners.....	23,310	1.5	9.36	19,470	7.34	10.94
Residential mental health facilities (NAICS 623200)						
Home health aides.....	93,770	19.2	9.23	19,200	7.80	10.47
Personal and home care aides.....	76,020	15.6	8.98	18,680	7.61	10.26
Nursing aides, orderlies, and attendants.....	31,490	6.5	9.25	19,250	7.61	10.64
Social and human service assistants.....	31,170	6.4	10.34	21,500	8.22	11.85
Rehabilitation counselors.....	24,100	4.9	11.52	23,970	8.85	13.51
Child care workers.....	13,480	2.8	10.05	20,910	8.36	11.18
Substance abuse and behavioral disorder counselors.....	11,040	2.3	13.67	28,430	10.65	16.02
Licensed practical and licensed vocational nurses.....	10,770	2.2	15.85	32,960	13.13	18.32
Registered nurses.....	10,070	2.1	21.35	44,410	17.84	25.00
Mental health counselors.....	9,830	2.0	12.57	26,150	9.81	14.42
Community care facilities for the elderly (NAICS 623300)						
Nursing aides, orderlies, and attendants.....	112,050	20.1	9.31	19,370	7.83	10.64
Home health aides.....	72,890	13.1	8.66	18,010	7.48	9.80
Personal and home care aides.....	38,210	6.9	8.66	18,010	7.19	9.73
Licensed practical and licensed vocational nurses.....	31,040	5.6	16.07	33,430	13.62	18.59
Maids and housekeeping cleaners.....	30,980	5.6	8.20	17,050	7.09	9.13
Registered nurses.....	22,010	3.9	21.52	44,770	18.30	25.02
Cooks, institution and cafeteria.....	21,460	3.9	9.60	19,970	7.77	11.03
Food servers, nonrestaurant.....	16,690	3.0	7.75	16,120	6.74	8.56
Waiters and waitresses.....	16,240	2.9	7.78	16,180	6.83	8.58
Food preparation workers.....	15,210	2.7	8.05	16,740	6.90	8.95
Other residential care facilities (NAICS 623900)						
Child care workers.....	29,150	17.7	9.64	20,060	7.86	11.13
Home health aides.....	11,020	6.7	9.12	18,970	7.56	10.46
Child, family, and school social workers.....	10,750	6.5	14.65	30,460	11.45	17.08
Personal and home care aides.....	9,800	5.9	8.81	18,330	7.55	10.01
Social and human service assistants.....	9,490	5.8	10.80	22,470	8.59	12.56
Rehabilitation counselors.....	5,120	3.1	12.02	25,000	9.57	13.76
Mental health counselors.....	4,890	3.0	13.21	27,470	10.44	14.69
Residential advisors.....	4,520	2.7	10.61	22,080	8.35	11.93
Social and community service managers.....	3,070	1.9	22.52	46,840	16.75	26.81
General and operations managers.....	3,050	1.9	29.90	62,200	20.46	35.01

See footnotes at end of table.

Table 2. National employment and wage data for the 10 largest occupations by industry from the Occupational Employment Statistics survey, May 2003 - Continued

Occupation	Employment	Percent of industry employment	Mean wages		Percentiles	
			Hourly	Annual ¹	25th	75th
Individual and family services (NAICS 624100)						
Personal and home care aides.....	130,150	16.2	\$ 8.38	\$ 17,420	\$ 7.26	\$ 9.35
Home health aides.....	69,540	8.6	8.57	17,820	7.22	9.83
Social and human service assistants.....	56,570	7.0	11.30	23,510	8.96	13.30
Child, family, and school social workers.....	45,090	5.6	14.83	30,850	11.85	17.13
Social and community service managers.....	24,090	3.0	22.76	47,350	16.53	26.98
Office clerks, general.....	21,440	2.7	10.04	20,880	7.74	11.99
Child care workers.....	17,440	2.2	9.10	18,930	7.24	10.47
Rehabilitation counselors.....	16,690	2.1	13.34	27,740	10.05	15.86
Teacher assistants.....	16,380	2.0	(²)	19,390	(²)	(²)
Secretaries, except legal, medical, and executive.....	15,910	2.0	11.33	23,560	9.33	13.30
Emergency and other relief services (NAICS 624200)						
Social and human service assistants.....	17,240	13.5	10.85	22,570	8.70	12.87
Child, family, and school social workers.....	6,260	4.9	13.42	27,910	10.96	15.79
Social and community service managers.....	5,850	4.6	21.89	45,520	15.97	26.17
Office clerks, general.....	4,680	3.7	9.73	20,240	7.56	11.27
Child care workers.....	3,990	3.1	9.16	19,050	7.61	10.58
General and operations managers.....	3,210	2.5	29.09	60,520	19.26	34.56
Executive secretaries and administrative assistants.....	3,200	2.5	13.84	28,790	11.12	16.22
Cooks, institution and cafeteria.....	3,040	2.4	8.57	17,830	7.07	9.85
Secretaries, except legal, medical, and executive.....	2,700	2.1	11.11	23,110	9.30	12.77
Truck drivers, light or delivery services.....	2,620	2.1	9.16	19,050	7.17	10.74
Vocational rehabilitation services (NAICS 624300)						
Rehabilitation counselors.....	25,020	8.2	13.46	27,990	9.72	15.58
Personal and home care aides.....	21,380	7.0	8.80	18,300	7.48	10.04
Laborers and freight, stock, and material movers, hand.....	16,580	5.4	7.65	15,910	6.29	8.08
Social and human service assistants.....	16,490	5.4	11.32	23,540	8.71	12.96
Janitors and cleaners, except maids and housekeeping cleaners.....	15,180	4.9	8.07	16,790	6.66	9.07
Educational, vocational, and school counselors.....	11,070	3.6	13.88	28,460	10.37	16.09
Home health aides.....	10,970	3.6	8.98	18,690	7.65	10.19
Office clerks, general.....	8,370	2.7	9.32	19,380	6.90	11.18
Team assemblers.....	7,050	2.3	7.18	14,930	6.06	7.82
Employment, recruitment, and placement specialists.....	6,460	2.1	15.61	32,470	12.43	17.84
Child day care services (NAICS 624400)						
Preschool teachers, except special education.....	263,500	36.2	9.58	19,930	7.46	10.98
Child care workers.....	198,650	27.3	7.56	15,710	6.29	8.44
Teacher assistants.....	86,470	11.9	(²)	17,150	(²)	(²)
Education administrators, preschool and child care center/program.....	35,280	4.8	17.15	35,660	11.94	19.66
Cooks, institution and cafeteria.....	17,050	2.3	8.13	16,920	6.75	9.15
Kindergarten teachers, except special education.....	9,120	1.3	(²)	23,170	(²)	(²)
First-line supervisors/managers of personal service workers.....	7,520	1.0	11.95	24,850	9.11	13.79
Janitors and cleaners, except maids and housekeeping cleaners.....	7,320	1.0	8.55	17,780	6.58	10.08
Child, family, and school social workers.....	7,310	1.0	15.56	32,360	10.63	16.34
Office clerks, general.....	6,820	0.9	9.32	19,380	7.42	10.98
Performing arts companies (NAICS 711100)						
Musicians and singers.....	27,860	22.3	(²)	56,740	(²)	(²)
Actors.....	10,420	8.4	(²)	38,080	(²)	(²)
Producers and directors.....	4,340	3.5	(²)	48,000	(²)	(²)
Ushers, lobby attendants, and ticket takers.....	4,330	3.5	8.36	17,390	6.57	9.53
Music directors and composers.....	3,710	3.0	(²)	41,030	(²)	(²)
Waiters and waitresses.....	3,640	2.9	7.77	16,170	6.11	8.55
Cashiers.....	3,490	2.8	8.75	18,190	7.14	9.95
Dancers.....	3,410	2.7	16.34	33,980	9.54	19.99
Office clerks, general.....	3,380	2.7	11.19	23,280	7.49	13.81
General and operations managers.....	2,620	2.1	36.17	75,240	19.51	44.56
Spectator sports (NAICS 711200)						
Ushers, lobby attendants, and ticket takers.....	8,660	6.6	8.92	18,550	6.67	9.98
Security guards.....	7,900	6.0	10.50	21,830	7.81	12.07
Athletes and sports competitors.....	7,820	5.9	(²)	108,170	(²)	(²)
Cashiers.....	6,510	4.9	9.90	20,590	7.37	11.53
Nonfarm animal caretakers.....	6,470	4.9	8.90	18,510	6.97	10.38
Coaches and scouts.....	4,890	3.7	(²)	57,960	(²)	(²)
Janitors and cleaners, except maids and housekeeping cleaners.....	4,750	3.6	9.23	19,190	7.25	10.63
Amusement and recreation attendants.....	3,840	2.9	8.16	16,960	6.45	8.91
Office clerks, general.....	3,610	2.7	12.86	26,740	8.06	15.10
Counter attendants, cafeteria, food concession, and coffee shop.....	2,890	2.2	7.04	14,650	6.15	7.91

See footnotes at end of table.

Table 2. National employment and wage data for the 10 largest occupations by industry from the Occupational Employment Statistics survey, May 2003 - Continued

Occupation	Employment	Percent of industry employment	Mean wages		Percentiles	
			Hourly	Annual ¹	25th	75th
Promoters of performing arts, sports, and similar events (NAICS 711300)						
Ushers, lobby attendants, and ticket takers.....	12,400	16.9	\$ 7.87	\$ 16,370	\$ 6.32	\$ 8.66
Security guards.....	5,660	7.7	10.72	22,300	7.92	12.52
Laborers and freight, stock, and material movers, hand.....	3,770	5.1	13.47	28,030	9.60	15.89
Janitors and cleaners, except maids and housekeeping cleaners.....	3,180	4.3	8.71	18,120	7.01	9.92
Cashiers.....	2,690	3.7	9.31	19,360	6.98	10.12
Parking lot attendants.....	2,320	3.2	8.81	18,330	6.58	8.66
Office clerks, general.....	2,140	2.9	10.41	21,650	7.99	12.48
Maintenance and repair workers, general.....	1,820	2.5	13.24	27,530	9.05	16.40
Combined food preparation and serving workers, including fast food.....	1,650	2.3	7.62	15,840	6.37	8.51
General and operations managers.....	1,580	2.2	40.95	85,180	22.76	50.27
Agents and managers for public figures (NAICS 711400)						
Agents and business managers of artists, performers, and athletes.....	5,120	32.8	32.02	66,610	15.24	37.62
Office clerks, general.....	1,590	10.2	11.83	24,600	9.33	13.75
Executive secretaries and administrative assistants.....	1,560	10.0	15.43	32,100	11.79	18.70
Secretaries, except legal, medical, and executive.....	1,050	6.7	12.54	26,070	10.68	14.22
Bookkeeping, accounting, and auditing clerks.....	620	4.0	15.79	32,840	11.46	19.58
General and operations managers.....	410	2.6	57.70	120,020	25.30	(²)
Receptionists and information clerks.....	290	1.9	9.04	18,810	7.50	10.24
Accountants and auditors.....	240	1.5	22.80	47,420	17.46	24.96
Coaches and scouts.....	230	1.5	(²)	65,960	(²)	(²)
First-line supervisors/managers of office and administrative support workers.....	200	1.3	26.00	54,090	18.65	30.95
Independent artists, writers, and performers (NAICS 711500)						
Announcers.....	2,410	5.6	14.03	29,180	8.24	16.08
Fine artists, including painters, sculptors, and illustrators.....	2,300	5.3	21.84	45,420	10.25	21.16
Producers and directors.....	2,170	5.0	(²)	114,300	(²)	(²)
Writers and authors.....	1,950	4.5	28.25	58,760	11.09	37.33
Office clerks, general.....	1,870	4.3	9.98	20,760	7.49	11.93
Secretaries, except legal, medical, and executive.....	1,640	3.8	11.51	23,940	8.01	14.83
Actors.....	1,620	3.7	(²)	84,580	(²)	(²)
Technical writers.....	1,300	3.0	31.74	66,020	15.93	35.13
Executive secretaries and administrative assistants.....	1,120	2.6	21.06	43,810	14.51	29.43
Agents and business managers of artists, performers, and athletes.....	930	2.2	35.55	73,940	16.59	43.50
Museums, historical sites, and similar institutions (NAICS 712100)						
Tour guides and escorts.....	9,280	8.0	8.56	17,810	6.85	9.84
Archivists, curators, and museum technicians.....	8,580	7.4	18.69	38,870	12.24	22.06
Security guards.....	7,230	6.2	11.12	23,130	8.23	13.13
Cashiers.....	6,740	5.8	8.06	16,770	6.81	8.95
Office clerks, general.....	3,530	3.0	11.27	23,440	7.97	13.64
Nonfarm animal caretakers.....	3,450	3.0	11.12	23,120	8.21	13.42
Self-enrichment education teachers.....	3,450	3.0	14.91	31,020	10.30	17.54
Landscaping and groundskeeping workers.....	3,260	2.8	11.15	23,190	8.08	13.33
Executive secretaries and administrative assistants.....	3,100	2.7	16.05	33,380	12.45	18.64
General and operations managers.....	2,940	2.5	35.89	74,640	20.67	44.73
Amusement parks and arcades (NAICS 713100)						
Amusement and recreation attendants.....	49,580	32.8	7.36	15,300	6.46	7.94
Combined food preparation and serving workers, including fast food.....	8,540	5.7	7.37	15,330	6.19	8.12
Cashiers.....	7,310	4.8	7.71	16,030	6.35	8.43
Security guards.....	3,690	2.4	10.35	21,520	7.88	11.52
Ushers, lobby attendants, and ticket takers.....	3,360	2.2	8.50	17,690	6.56	9.75
First-line supervisors/managers of personal service workers.....	2,950	2.0	15.38	31,990	11.75	18.35
Counter attendants, cafeteria, food concession, and coffee shop.....	2,750	1.8	7.35	15,290	6.40	8.26
Landscaping and groundskeeping workers.....	2,150	1.4	10.34	21,510	7.81	12.69
Maintenance and repair workers, general.....	1,900	1.3	12.93	26,900	9.11	16.05
Coin, vending, and amusement machine servicers and repairers.....	1,710	1.1	12.19	25,360	9.36	14.61
Gambling industries (NAICS 713200)						
Gaming dealers.....	22,450	16.4	8.38	17,430	6.19	8.29
Waiters and waitresses.....	8,150	5.9	7.24	15,050	6.08	7.66
Gaming change persons and booth cashiers.....	8,020	5.9	9.11	18,950	7.41	10.62
Security guards.....	6,800	5.0	10.50	21,850	8.69	11.46
Gaming cage workers.....	6,720	4.9	10.87	22,600	9.26	12.39
Gaming supervisors.....	5,540	4.0	18.78	39,060	14.91	22.32
Janitors and cleaners, except maids and housekeeping cleaners.....	4,320	3.2	8.34	17,350	6.90	9.52
Gaming and sports book writers and runners.....	4,070	3.0	8.74	18,170	7.03	9.46
Slot key persons.....	3,980	2.9	11.81	24,560	8.88	14.58
Cashiers.....	3,790	2.8	8.66	18,000	6.71	9.69

See footnotes at end of table.

Table 2. National employment and wage data for the 10 largest occupations by industry from the Occupational Employment Statistics survey, May 2003 - Continued

Occupation	Employment	Percent of industry employment	Mean wages		Percentiles	
			Hourly	Annual ¹	25th	75th
Other amusement and recreation industries (NAICS 713900)						
Landscaping and groundskeeping workers.....	103,900	10.4	\$ 9.60	\$ 19,970	\$ 7.57	\$ 10.84
Fitness trainers and aerobics instructors.....	100,710	10.0	16.52	34,360	8.64	21.46
Amusement and recreation attendants.....	91,090	9.1	7.61	15,830	6.29	8.37
Waiters and waitresses.....	71,580	7.1	8.88	18,460	6.48	10.72
Cashiers.....	32,100	3.2	7.89	16,420	6.64	8.75
Receptionists and information clerks.....	30,050	3.0	8.49	17,660	7.01	9.65
Bartenders.....	29,910	3.0	8.61	17,900	6.59	9.85
Maintenance and repair workers, general.....	25,590	2.6	11.38	23,670	8.05	13.96
Child care workers.....	25,530	2.5	7.59	15,780	6.48	8.37
Janitors and cleaners, except maids and housekeeping cleaners.....	24,860	2.5	8.71	18,120	7.03	9.93
Traveler accommodation (NAICS 721100)						
Maids and housekeeping cleaners.....	385,980	22.7	8.14	16,930	6.65	8.89
Hotel, motel, and resort desk clerks.....	167,310	9.9	8.71	18,120	7.21	9.93
Waiters and waitresses.....	134,620	7.9	8.04	16,710	6.26	9.03
Cooks, restaurant.....	55,320	3.3	11.19	23,280	8.88	13.12
Maintenance and repair workers, general.....	55,080	3.2	12.15	25,270	8.71	14.17
Janitors and cleaners, except maids and housekeeping cleaners.....	49,830	2.9	9.56	19,870	7.34	11.50
Dining room and cafeteria attendants and bartender helpers.....	43,520	2.6	8.16	16,970	6.52	9.44
Food servers, nonrestaurant.....	39,760	2.3	8.55	17,780	6.57	9.87
Bartenders.....	38,640	2.3	9.33	19,410	6.57	11.16
Dishwashers.....	38,460	2.3	8.59	17,870	6.87	9.95
Rv (recreational vehicle) parks and recreational camps (NAICS 721200)						
Recreation workers.....	5,030	11.8	8.36	17,380	6.30	9.54
Landscaping and groundskeeping workers.....	3,850	9.1	8.49	17,650	6.97	9.54
Maintenance and repair workers, general.....	3,740	8.8	9.83	20,440	7.32	11.29
Hotel, motel, and resort desk clerks.....	2,520	5.9	8.36	17,390	7.08	9.39
Office clerks, general.....	2,220	5.2	9.64	20,050	7.05	11.15
Maids and housekeeping cleaners.....	1,830	4.3	7.78	16,190	6.75	8.61
Janitors and cleaners, except maids and housekeeping cleaners.....	1,560	3.7	8.27	17,200	6.91	9.03
General and operations managers.....	1,330	3.1	27.03	56,220	14.41	33.24
Security guards.....	1,110	2.6	8.28	17,220	6.83	9.33
Amusement and recreation attendants.....	900	2.1	8.72	18,140	6.68	9.92
Rooming and boarding houses (NAICS 721300)						
Maids and housekeeping cleaners.....	2,050	16.5	8.28	17,230	6.65	9.54
Cooks, institution and cafeteria.....	1,220	9.8	9.57	19,900	7.44	11.29
Residential advisors.....	680	5.5	8.48	17,630	6.50	9.84
Waiters and waitresses.....	670	5.4	6.97	14,500	5.93	7.20
Hotel, motel, and resort desk clerks.....	530	4.3	8.66	18,010	6.87	9.84
Combined food preparation and serving workers, including fast food.....	490	3.9	7.77	16,160	6.46	8.56
Maintenance and repair workers, general.....	450	3.6	11.59	24,110	8.37	13.54
Dining room and cafeteria attendants and bartender helpers.....	440	3.5	7.21	14,990	6.23	7.98
Janitors and cleaners, except maids and housekeeping cleaners.....	390	3.1	8.83	18,380	6.49	10.43
Food preparation workers.....	390	3.1	7.72	16,050	6.26	8.83
Full-service restaurants (NAICS 722100)						
Waiters and waitresses.....	1,509,920	37.2	7.49	15,580	6.05	7.85
Cooks, restaurant.....	522,830	12.9	9.56	19,870	7.71	10.90
Dishwashers.....	281,810	6.9	7.32	15,220	6.38	8.20
Hosts and hostesses, restaurant, lounge, and coffee shop.....	229,950	5.7	7.63	15,860	6.43	8.47
Dining room and cafeteria attendants and bartender helpers.....	202,490	5.0	7.07	14,710	6.20	7.74
Food preparation workers.....	182,760	4.5	8.01	16,650	6.63	9.13
First-line supervisors/managers of food preparation and serving workers.....	170,640	4.2	13.79	28,690	9.92	16.79
Bartenders.....	164,350	4.1	8.35	17,370	6.41	9.43
Combined food preparation and serving workers, including fast food.....	161,450	4.0	7.20	14,980	6.11	8.04
Cooks, short order.....	92,300	2.3	8.62	17,930	6.93	10.15
Limited-service eating places (NAICS 722200)						
Combined food preparation and serving workers, including fast food.....	1,391,410	38.6	6.95	14,450	6.10	7.80
Cooks, fast food.....	487,980	13.5	7.08	14,730	6.12	7.97
First-line supervisors/managers of food preparation and serving workers.....	288,730	8.0	11.52	23,970	8.72	13.54
Counter attendants, cafeteria, food concession, and coffee shop.....	223,810	6.2	7.35	15,290	6.42	8.22
Cashiers.....	194,600	5.4	7.08	14,730	6.14	7.95
Food preparation workers.....	169,210	4.7	7.25	15,090	6.26	8.14
Waiters and waitresses.....	158,820	4.4	6.99	14,530	5.97	7.40
Driver/sales workers.....	108,150	3.0	7.40	15,400	6.07	7.87
Food service managers.....	85,790	2.4	19.45	40,460	13.07	21.25
Cooks, restaurant.....	78,930	2.2	8.52	17,730	7.02	9.85

See footnotes at end of table.

Table 2. National employment and wage data for the 10 largest occupations by industry from the Occupational Employment Statistics survey, May 2003 - Continued

Occupation	Employment	Percent of industry employment	Mean wages		Percentiles	
			Hourly	Annual ¹	25th	75th
Special food services (NAICS 722300)						
Combined food preparation and serving workers, including fast food.....	89,420	17.0	\$ 8.31	\$ 17,290	\$ 6.62	\$ 9.41
Waiters and waitresses.....	55,380	10.5	9.12	18,970	6.42	10.98
Food preparation workers.....	43,150	8.2	8.70	18,100	7.14	10.13
Dishwashers.....	29,040	5.5	7.65	15,900	6.46	8.64
Counter attendants, cafeteria, food concession, and coffee shop.....	28,970	5.5	7.68	15,980	6.55	8.55
First-line supervisors/managers of food preparation and serving workers.....	27,400	5.2	17.60	36,610	10.77	17.91
Cooks, institution and cafeteria.....	27,160	5.2	10.33	21,480	8.42	12.01
Cashiers.....	21,500	4.1	8.16	16,970	6.66	9.60
Food servers, nonrestaurant.....	18,710	3.6	9.47	19,700	7.04	11.25
Dining room and cafeteria attendants and bartender helpers.....	18,210	3.5	7.69	15,990	6.36	8.58
Drinking places (alcoholic beverages) (NAICS 722400)						
Bartenders.....	149,620	39.3	7.62	15,840	6.09	8.35
Waiters and waitresses.....	79,880	21.0	7.03	14,620	5.91	7.37
First-line supervisors/managers of food preparation and serving workers.....	20,050	5.3	12.52	26,050	8.53	15.25
Cooks, restaurant.....	18,540	4.9	9.26	19,270	7.62	10.60
Security guards.....	14,610	3.8	9.17	19,060	6.88	10.45
Cooks, short order.....	10,480	2.8	8.28	17,220	6.63	9.74
Dishwashers.....	10,310	2.7	7.04	14,650	6.10	7.89
Dining room and cafeteria attendants and bartender helpers.....	8,400	2.2	6.88	14,320	6.02	7.64
Combined food preparation and serving workers, including fast food.....	7,950	2.1	7.24	15,050	6.08	8.10
Food preparation workers.....	5,790	1.5	7.87	16,370	6.54	9.03
Automotive repair and maintenance (NAICS 811100)						
Automotive service technicians and mechanics.....	241,150	27.0	14.03	29,170	9.80	17.23
Cleaners of vehicles and equipment.....	123,830	13.9	7.71	16,030	6.45	8.47
Automotive body and related repairers.....	110,660	12.4	16.74	34,820	11.49	20.68
First-line supervisors/managers of mechanics, installers, and repairers.....	46,500	5.2	22.60	47,000	15.60	27.70
Service station attendants.....	32,740	3.7	8.58	17,850	7.33	9.65
Office clerks, general.....	25,270	2.8	9.64	20,050	6.95	11.30
Helpers--installation, maintenance, and repair workers.....	20,010	2.2	8.43	17,530	6.96	9.54
Painters, transportation equipment.....	19,510	2.2	17.17	35,720	12.22	20.87
Bus and truck mechanics and diesel engine specialists.....	19,030	2.1	16.24	33,790	12.44	19.66
Bookkeeping, accounting, and auditing clerks.....	18,720	2.1	12.37	25,730	8.94	15.49
Electronic and precision equipment repair and maintenance (NAICS 811200)						
Electronic home entertainment equipment installers and repairers.....	6,270	6.1	13.18	27,410	9.48	15.86
Medical equipment repairers.....	4,110	4.0	18.02	37,480	13.07	21.90
First-line supervisors/managers of mechanics, installers, and repairers.....	3,410	3.3	24.75	51,480	17.46	29.25
Electrical and electronics repairers, commercial and industrial equipment.....	3,290	3.2	17.75	36,930	13.14	21.32
Office clerks, general.....	3,260	3.2	10.68	22,220	7.75	12.74
General and operations managers.....	2,560	2.5	40.47	84,180	25.21	48.82
Shipping, receiving, and traffic clerks.....	2,550	2.5	12.03	25,020	9.75	13.68
Customer service representatives.....	2,510	2.4	12.83	26,690	9.56	15.69
Bookkeeping, accounting, and auditing clerks.....	2,310	2.2	12.93	26,900	10.54	15.55
Electrical and electronic engineering technicians.....	2,160	2.1	18.78	39,050	14.34	22.89
Commercial machinery repair and maintenance (NAICS 811300)						
Welders, cutters, solderers, and brazers.....	18,050	11.6	13.61	28,310	10.51	16.33
Heating, air conditioning, and refrigeration mechanics and installers.....	7,580	4.9	17.96	37,350	12.72	21.62
Electric motor, power tool, and related repairers.....	7,080	4.6	14.78	30,740	11.45	17.55
Maintenance and repair workers, general.....	6,670	4.3	17.20	35,780	12.13	19.63
Machinists.....	5,920	3.8	16.01	33,300	12.37	18.58
Mobile heavy equipment mechanics, except engines.....	5,600	3.6	16.53	34,390	13.03	20.09
Office clerks, general.....	5,360	3.4	9.82	20,420	7.12	11.86
General and operations managers.....	4,850	3.1	36.17	75,230	22.82	43.23
First-line supervisors/managers of mechanics, installers, and repairers.....	4,760	3.1	24.50	50,970	17.89	29.41
Bus and truck mechanics and diesel engine specialists.....	4,650	3.0	15.22	31,660	12.14	17.22
Personal and household goods repair and maintenance (NAICS 811400)						
Upholsterers.....	8,540	10.5	12.12	25,220	8.43	14.89
Home appliance repairers.....	6,300	7.8	14.44	30,030	9.67	18.02
Furniture finishers.....	3,730	4.6	11.92	24,800	8.87	14.07
Heating, air conditioning, and refrigeration mechanics and installers.....	3,580	4.4	17.75	36,910	12.36	22.70
Office clerks, general.....	3,220	4.0	9.50	19,770	6.66	11.33
Tailors, dressmakers, and custom sewers.....	2,900	3.6	9.58	19,920	6.77	10.66
Motorboat mechanics.....	2,620	3.2	14.34	29,820	10.80	16.69
Counter and rental clerks.....	2,600	3.2	9.79	20,350	7.80	11.19
Shoe and leather workers and repairers.....	2,260	2.8	9.61	19,980	7.62	10.76
Retail salespersons.....	2,170	2.7	11.22	23,330	7.74	13.18

See footnotes at end of table.

Table 2. National employment and wage data for the 10 largest occupations by industry from the Occupational Employment Statistics survey, May 2003 - Continued

Occupation	Employment	Percent of industry employment	Mean wages		Percentiles	
			Hourly	Annual ¹	25th	75th
Personal care services (NAICS 812100)						
Hairdressers, hairstylists, and cosmetologists.....	300,490	55.4	\$ 10.46	\$ 21,750	\$ 7.02	\$ 12.11
Receptionists and information clerks.....	48,480	8.9	8.40	17,470	6.64	9.82
Manicurists and pedicurists.....	30,320	5.6	9.14	19,010	7.03	10.51
First-line supervisors/managers of personal service workers.....	18,850	3.5	15.91	33,090	10.87	18.82
Barbers.....	16,740	3.1	11.15	23,180	7.01	13.75
Shampooers.....	15,070	2.8	7.24	15,060	6.14	8.14
Massage therapists.....	13,490	2.5	14.48	30,120	8.01	18.32
Skin care specialists.....	10,980	2.0	12.74	26,500	7.76	15.93
Counter and rental clerks.....	8,860	1.6	7.75	16,130	6.50	8.81
Customer service representatives.....	6,030	1.1	11.23	23,370	8.67	13.06
Death care services (NAICS 812200)						
Funeral attendants.....	27,790	19.7	9.64	20,050	7.23	10.86
Funeral directors.....	22,910	16.3	25.84	53,750	16.78	28.87
Landscaping and groundskeeping workers.....	20,890	14.8	10.40	21,620	7.58	12.08
Secretaries, except legal, medical, and executive.....	7,470	5.3	11.36	23,630	7.80	12.79
Embalmers.....	7,470	5.3	17.47	36,330	11.95	20.99
Office clerks, general.....	6,380	4.5	9.68	20,140	7.07	11.33
Receptionists and information clerks.....	4,430	3.2	8.80	18,310	7.00	10.31
Taxi drivers and chauffeurs.....	3,650	2.6	11.15	23,190	7.14	12.41
General and operations managers.....	3,520	2.5	38.81	80,720	22.54	47.28
Bookkeeping, accounting, and auditing clerks.....	3,240	2.3	12.32	25,640	8.55	15.14
Drycleaning and laundry services (NAICS 812300)						
Laundry and dry-cleaning workers.....	103,060	28.5	8.24	17,130	6.76	9.29
Pressers, textile, garment, and related materials.....	68,410	18.9	8.34	17,350	7.03	9.51
Counter and rental clerks.....	52,990	14.6	7.62	15,860	6.39	8.39
Driver/sales workers.....	16,550	4.6	14.86	30,920	11.29	18.22
First-line supervisors/managers of production and operating workers.....	13,240	3.7	16.90	35,140	11.24	19.96
Cashiers.....	9,460	2.6	7.79	16,200	6.57	8.83
Truck drivers, light or delivery services.....	7,940	2.2	12.16	25,290	8.83	15.07
Inspectors, testers, sorters, samplers, and weighers.....	6,940	1.9	8.60	17,890	7.24	9.32
Laborers and freight, stock, and material movers, hand.....	5,320	1.5	8.80	18,310	7.26	10.09
General and operations managers.....	5,230	1.4	33.92	70,560	19.17	41.13
Other personal services (NAICS 812900)						
Parking lot attendants.....	64,700	28.8	8.52	17,710	7.11	9.49
Nonfarm animal caretakers.....	23,570	10.5	9.12	18,970	7.10	10.38
Photographic processing machine operators.....	18,190	8.1	10.69	22,230	8.30	12.74
Cashiers.....	15,420	6.9	8.50	17,680	7.20	9.66
Photographic process workers.....	7,310	3.3	10.85	22,570	8.14	12.80
First-line supervisors/managers of transportation and material-moving machine and vehicle operators.....	4,900	2.2	16.08	33,440	11.36	19.14
Taxi drivers and chauffeurs.....	4,310	1.9	8.98	18,680	7.40	10.41
Customer service representatives.....	3,950	1.8	12.57	26,140	9.48	14.95
General and operations managers.....	3,890	1.7	34.40	71,550	17.72	41.78
Office clerks, general.....	3,720	1.7	9.98	20,760	7.84	11.42
Religious organizations (NAICS 813100)						
Clergy.....	22,460	13.0	17.31	36,000	11.64	21.35
Secretaries, except legal, medical, and executive.....	12,030	7.0	11.05	22,980	8.54	13.25
Janitors and cleaners, except maids and housekeeping cleaners.....	11,620	6.7	9.37	19,490	7.22	10.79
Directors, religious activities and education.....	9,990	5.8	14.83	30,850	9.92	18.54
Office clerks, general.....	7,840	4.6	10.14	21,090	7.00	12.91
Musicians and singers.....	6,820	4.0	(⁹)	35,370	(⁹)	(⁹)
Bookkeeping, accounting, and auditing clerks.....	6,070	3.5	12.51	26,010	9.44	14.54
Executive secretaries and administrative assistants.....	5,060	2.9	15.74	32,750	12.53	17.89
Preschool teachers, except special education.....	4,950	2.9	11.18	23,250	7.65	14.06
Teacher assistants.....	4,940	2.9	(⁹)	17,910	(⁹)	(⁹)
Grantmaking and giving services (NAICS 813200)						
Executive secretaries and administrative assistants.....	8,420	6.8	17.31	36,000	13.43	20.34
Office clerks, general.....	6,160	5.0	11.02	22,920	8.22	13.22
Secretaries, except legal, medical, and executive.....	5,280	4.3	13.03	27,110	10.54	15.46
General and operations managers.....	4,570	3.7	42.44	88,270	25.94	53.12
Social and human service assistants.....	4,250	3.4	12.93	26,900	9.70	15.27
Public relations specialists.....	4,180	3.4	21.47	44,660	14.98	25.39
Social and community service managers.....	4,120	3.3	29.26	60,870	16.86	30.88
Bookkeeping, accounting, and auditing clerks.....	3,320	2.7	14.51	30,170	11.89	17.14
Public relations managers.....	2,940	2.4	30.73	63,910	20.64	37.31
First-line supervisors/managers of office and administrative support workers.....	2,820	2.3	21.15	44,000	15.61	25.88

See footnotes at end of table.

Table 2. National employment and wage data for the 10 largest occupations by industry from the Occupational Employment Statistics survey, May 2003 - Continued

Occupation	Employment	Percent of industry employment	Mean wages		Percentiles	
			Hourly	Annual ¹	25th	75th
Social advocacy organizations (NAICS 813300)						
Social and human service assistants.....	11,650	7.2	\$ 11.66	\$ 24,250	\$ 8.83	\$ 13.65
Office clerks, general.....	8,410	5.2	10.14	21,100	7.34	12.16
Nonfarm animal caretakers.....	7,600	4.7	8.42	17,500	6.89	9.28
Social and community service managers.....	6,560	4.1	22.40	46,590	15.89	27.05
Executive secretaries and administrative assistants.....	6,300	3.9	16.14	33,570	12.47	19.02
General and operations managers.....	5,550	3.4	30.81	64,080	19.97	37.14
Teacher assistants.....	5,490	3.4	(³)	18,090	(³)	(³)
Child, family, and school social workers.....	5,490	3.4	13.43	27,930	10.64	15.65
Secretaries, except legal, medical, and executive.....	4,940	3.1	11.12	23,130	7.67	13.73
Personal and home care aides.....	3,920	2.4	7.98	16,590	7.12	8.80
Civic and social organizations (NAICS 813400)						
Bartenders.....	40,230	9.7	7.39	15,380	6.33	8.25
Recreation workers.....	38,830	9.4	8.78	18,260	6.73	10.02
Fitness trainers and aerobics instructors.....	34,400	8.3	11.31	23,530	7.49	13.61
Child care workers.....	24,430	5.9	7.79	16,190	6.47	8.61
Janitors and cleaners, except maids and housekeeping cleaners.....	16,120	3.9	8.36	17,380	6.71	9.49
Waiters and waitresses.....	15,370	3.7	8.39	17,460	6.34	9.53
Receptionists and information clerks.....	11,990	2.9	8.66	18,010	6.90	9.86
Office clerks, general.....	11,720	2.8	9.20	19,140	6.93	10.72
Self-enrichment education teachers.....	10,550	2.6	12.36	25,710	7.78	15.45
Teacher assistants.....	10,360	2.5	(³)	17,060	(³)	(³)
Business, professional, labor, political, and similar organizations (NAICS 813900)						
Secretaries, except legal, medical, and executive.....	27,260	6.4	13.56	28,210	9.79	16.80
Executive secretaries and administrative assistants.....	22,620	5.3	17.81	37,050	13.75	21.07
Office clerks, general.....	22,540	5.3	11.70	24,340	7.96	14.59
General and operations managers.....	18,690	4.4	41.44	86,190	25.12	52.80
Bookkeeping, accounting, and auditing clerks.....	12,630	3.0	15.06	31,330	11.80	18.40
First-line supervisors/managers of office and administrative support workers.....	10,670	2.5	21.98	45,710	15.85	27.18
Maintenance and repair workers, general.....	10,230	2.4	13.26	27,580	9.39	14.78
Security guards.....	10,120	2.4	10.06	20,920	8.02	11.17
Public relations specialists.....	9,910	2.3	22.05	45,860	14.64	27.56
Receptionists and information clerks.....	9,900	2.3	10.74	22,340	8.13	12.79
Federal executive branch and U.S. postal service (oes designation) (NAICS 999100)						
Postal service mail carriers.....	344,560	13.2	18.87	39,240	17.38	20.72
Postal service mail sorters, processors, and processing machine operators.....	224,240	8.6	17.79	37,010	17.41	20.15
Postal service clerks.....	78,510	3.0	18.83	39,170	17.93	20.33
Computer systems analysts.....	57,340	2.2	33.91	70,540	28.94	39.61
Registered nurses.....	46,340	1.8	29.80	61,990	24.67	34.00
Compliance officers, except agriculture, construction, health and safety, and transportation.....	42,930	1.7	23.42	48,720	17.30	28.24
Management analysts.....	42,500	1.6	33.14	68,940	26.74	39.79
Secretaries, except legal, medical, and executive.....	39,390	1.5	17.79	37,010	15.27	20.22
Tax examiners, collectors, and revenue agents.....	34,590	1.3	26.05	54,190	17.77	34.22
Accountants and auditors.....	31,230	1.2	27.25	56,690	18.18	35.72
State government (oes designation) (NAICS 999200)						
Correctional officers and jailers.....	237,230	10.7	17.30	35,980	13.05	20.99
Office clerks, general.....	108,080	4.9	12.91	26,850	10.27	15.48
Child, family, and school social workers.....	57,740	2.6	17.80	37,030	14.02	21.24
Executive secretaries and administrative assistants.....	54,760	2.5	16.30	33,900	12.36	19.47
Police and sheriff's patrol officers.....	52,380	2.4	23.00	47,830	17.87	27.69
Probation officers and correctional treatment specialists.....	46,730	2.1	20.60	42,850	15.23	25.33
Secretaries, except legal, medical, and executive.....	43,680	2.0	14.15	29,440	11.01	16.87
First-line supervisors/managers of office and administrative support workers.....	41,260	1.9	22.14	46,060	16.87	27.23
Eligibility interviewers, government programs.....	38,520	1.7	16.43	34,180	12.73	19.92
Registered nurses.....	36,460	1.6	23.05	47,930	19.02	26.61
Local government (oes designation) (NAICS 999300)						
Police and sheriff's patrol officers.....	528,460	9.9	21.58	44,880	15.93	26.67
Fire fighters.....	246,670	4.6	18.78	39,050	13.27	23.88
Office clerks, general.....	194,840	3.7	12.67	26,360	9.82	15.28
Correctional officers and jailers.....	147,770	2.8	16.39	34,080	12.21	20.41
Recreation workers.....	104,200	2.0	10.62	22,080	7.34	12.58
Bus drivers, transit and intercity.....	99,620	1.9	17.03	35,430	13.09	21.20
Highway maintenance workers.....	98,990	1.9	14.09	29,300	10.70	16.95
Secretaries, except legal, medical, and executive.....	94,000	1.8	13.73	28,550	10.65	16.58
Maintenance and repair workers, general.....	92,520	1.7	15.69	32,640	11.50	19.59
Janitors and cleaners, except maids and housekeeping cleaners.....	84,940	1.6	11.61	24,150	8.57	14.18

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

² Represents a wage above \$70.01 per hour.

³ Hourly wage rates for occupations where workers typically work fewer than 2,080 hours per year are not available.

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Table 3. Employment and Wages for Selected Occupations by Industry, States, and MSA, May 2003

11-1011 Chief executives

Determine and formulate policies and provide the overall direction of companies or private and public sector organizations within the guidelines set up by a board of directors or similar governing body. Plan, direct, or coordinate operational activities at the highest level of management with the help of subordinate executives and staff managers.

Industry	Employment	Hourly mean wage	Annual mean wage
<i>Top industries by employment for this occupation¹</i>			
1. Local government (OES designation)	18,360	\$38.80	\$80,710
2. Management of companies and enterprises	17,990	82.06	170,680
3. Depository credit intermediation	15,990	67.35	140,080
4. Architectural and engineering services	10,540	71.67	149,070
5. Colleges and universities	10,160	59.30	123,340
<i>Top paying industries for this occupation</i>			
1. Securities and commodity exchanges	40	94.19	195,910
2. Internet publishing and broadcasting	260	91.08	189,450
3. Offices of dentists	120	91.02	189,330
4. Computer and peripheral equipment mfg.	790	90.80	188,870
5. Software publishers	1,700	89.75	186,680

State	Employment	Hourly mean wage	Annual mean wage	Percent of State employment
<i>States with the highest concentration of workers in this occupation²</i>				
1. District of Columbia	5,120	\$64.56	\$134,290	0.86
2. Illinois	32,070	64.80	134,770	0.56
3. Massachusetts	17,510	73.23	152,320	0.55
4. Idaho	3,050	41.94	87,230	0.54
5. Missouri	14,100	60.24	125,310	0.54
<i>Top paying States for this occupation</i>				
1. Connecticut	2,680	84.38	175,500	0.16
2. New Jersey	2,760	80.50	167,440	0.07
3. Rhode Island	1,130	79.60	165,560	0.24
4. California	42,320	79.12	164,560	0.29
5. Washington	2,210	77.72	161,650	0.09

MSA	Employment	Hourly mean wage	Annual mean wage	Percent of MSA employment
<i>MSAs with the highest concentration of workers in this occupation³</i>				
1. Jackson, MS MSA	1,550	\$49.28	\$102,510	0.74
2. Columbia, SC MSA	1,970	58.33	121,330	0.68
3. St. Joseph, MO MSA	270	52.69	109,600	0.62
4. St. Louis, MO-IL MSA	7,520	64.36	133,880	0.59
5. Chicago, IL PMSA	23,390	69.06	143,650	0.59
<i>Top paying MSAs for this occupation</i>				
1. Stamford-Norwalk, CT PMSA	640	90.43	188,090	0.32
2. San Jose, CA PMSA	3,940	89.37	185,900	0.45
3. Portland-Vancouver, OR-WA PMSA	1,530	86.64	180,210	0.17
4. Sheboygan, WI MSA	140	85.63	178,100	0.24
5. New York, NY PMSA	14,730	85.43	177,690	0.37

See footnotes at end of table.

Table 3. Employment and Wages for Selected Occupations by Industry, State, and MSA, May 2003—Continued

11-1021 General and operations managers

Plan, direct, or coordinate the operations of companies or public and private sector organizations. Duties and responsibilities include formulating policies, managing daily operations, and planning the use of materials and human resources, but are too diverse and general in nature to be classified in any one functional area of management or administration, such as personnel, purchasing, or administrative services. Include owners and managers who head small business establishments whose duties are primarily managerial.

Industry	Employment	Hourly mean wage	Annual mean wage
<i>Top industries by employment for this occupation¹</i>			
1. Management of companies and enterprises	51,610	\$54.30	\$112,940
2. Local government (OES designation)	49,060	33.86	70,420
3. Depository credit intermediation	39,370	39.72	82,610
4. Building equipment contractors	38,960	44.14	91,800
5. Grocery stores	37,170	27.59	57,400
<i>Top paying industries for this occupation</i>			
1. Other financial investment activities	8,850	67.40	140,190
2. Computer and peripheral equipment mfg.	1,820	65.60	136,440
3. Software publishers	5,130	64.18	133,500
4. Communications equipment manufacturing	2,750	62.36	129,710
5. Semiconductor and electronic component mfg.	5,560	61.99	128,930

State	Employment	Hourly mean wage	Annual mean wage	Percent of State employment
<i>States with the highest concentration of workers in this occupation²</i>				
1. Montana	10,610	\$24.08	\$50,080	2.68
2. Maryland	65,150	42.11	87,590	2.67
3. Alaska	7,290	33.87	70,440	2.49
4. District of Columbia	14,530	44.12	91,770	2.44
5. Louisiana	40,270	34.68	72,130	2.18
<i>Top paying States for this occupation</i>				
1. New Jersey	50,440	59.53	123,830	1.30
2. Connecticut	20,050	59.40	123,550	1.22
3. New York	70,270	57.72	120,060	0.85
4. Washington	19,070	56.63	117,780	0.74
5. California	223,920	51.98	108,120	1.54

MSA	Employment	Hourly mean wage	Annual mean wage	Percent of MSA employment
<i>MSAs with the highest concentration of workers in this occupation³</i>				
1. Billings, MT MSA	1,950	\$25.63	\$53,310	2.89
2. Enid, OK MSA	560	26.21	54,520	2.79
3. Great Falls, MT MSA	870	25.26	52,540	2.75
4. Baltimore, MD PMSA	32,990	41.89	87,140	2.70
5. Anchorage, AK MSA	3,660	35.78	74,420	2.66
<i>Top paying MSAs for this occupation</i>				
1. Stamford-Norwalk, CT PMSA	3,700	72.92	151,670	1.85
2. New York, NY PMSA	37,500	64.32	133,790	0.94
3. Newark, NJ PMSA	13,330	63.25	131,560	1.38
4. Middlesex-Somerset-Hunterdon, NJ PMSA	8,220	62.75	130,510	1.32
5. Seattle-Bellevue-Everett, WA PMSA	10,560	62.22	129,410	0.81

See footnotes at end of table.

Table 3. Employment and Wages for Selected Occupations by Industry, States, and MSA, May 2003—Continued

11-2022 Sales managers

Direct the actual distribution or movement of a product or service to the customer. Coordinate sales distribution by establishing sales territories, quotas, and goals and establish training programs for sales representatives. Analyze sales statistics gathered by staff to determine sales potential and inventory requirements and monitor the preferences of customers.

Industry	Employment	Hourly mean wage	Annual mean wage	
<i>Top industries by employment for this occupation¹</i>				
1. Automobile dealers	20,630	\$51.18	\$106,460	
2. Management of companies and enterprises	18,540	50.17	104,350	
3. Insurance carriers	8,120	47.62	99,050	
4. Computer systems design and related services	7,920	57.32	119,230	
5. Traveler accommodation	7,790	25.58	53,210	
<i>Top paying industries for this occupation</i>				
1. Computer and peripheral equipment mfg.	1,140	62.78	130,590	
2. Other information services	90	60.63	126,110	
3. Cable and other subscription programming	630	60.58	126,010	
4. Apparel and piece goods merchant wholesalers	920	59.38	123,500	
5. Securities and commodity contracts brokerage	2,910	59.17	123,070	

State	Employment	Hourly mean wage	Annual mean wage	Percent of State employment
<i>States with the highest concentration of workers in this occupation²</i>				
1. Georgia	14,700	\$46.27	\$96,240	0.39
2. Illinois	21,540	42.41	88,210	0.37
3. Delaware	1,430	41.60	86,520	0.36
4. Arizona	7,730	36.11	75,110	0.34
5. Massachusetts	10,760	48.81	101,520	0.34
<i>Top paying States for this occupation</i>				
1. New York	13,360	60.87	126,600	0.16
2. Connecticut	4,290	54.54	113,450	0.26
3. New Jersey	10,100	54.05	112,410	0.26
4. Minnesota	6,430	52.62	109,450	0.25
5. California	40,650	50.71	105,470	0.28

MSA	Employment	Hourly mean wage	Annual mean wage	Percent of MSA employment
<i>MSAs with the highest concentration of workers in this occupation³</i>				
1. Atlanta, GA MSA	10,620	\$48.32	\$100,490	0.50
2. Nashua, NH PMSA	440	48.03	99,890	0.47
3. Stamford-Norwalk, CT PMSA	920	65.34	135,910	0.46
4. San Jose, CA PMSA	3,940	62.90	130,830	0.45
5. Chicago, IL PMSA	16,770	44.43	92,410	0.42
<i>Top paying MSAs for this occupation</i>				
1. New York, NY PMSA	7,600	65.98	137,230	0.19
2. Stamford-Norwalk, CT PMSA	920	65.34	135,910	0.46
3. San Jose, CA PMSA	3,940	62.90	130,830	0.45
4. Dutchess County, NY PMSA	60	62.11	129,190	0.05
5. Nassau-Suffolk, NY PMSA	1,860	61.57	128,060	0.16

See footnotes at end of table.

Table 3. Employment and Wages for Selected Occupations by Industry, State, and MSA, May 2003—Continued

11-3011 Administrative services managers

Plan, direct, or coordinate supportive services of an organization, such as recordkeeping, mail distribution, telephone operator/receptionist, and other office support services. May oversee facilities planning and maintenance and custodial operations.

Industry	Employment	Hourly mean wage	Annual mean wage	
<i>Top industries by employment for this occupation¹</i>				
1. Local government (OES designation)	18,760	\$28.07	\$58,390	
2. State government (OES designation)	12,750	28.43	59,130	
3. Elementary and secondary schools	11,870	31.24	64,980	
4. Management of companies and enterprises	11,560	37.03	77,010	
5. Colleges and universities	11,530	30.78	64,010	
<i>Top paying industries for this occupation</i>				
1. Chemical merchant wholesalers	380	64.14	133,410	
2. Local messengers and local delivery	160	46.44	96,600	
3. Computer and peripheral equipment mfg.	520	45.80	95,250	
4. Turbine and power transmission equipment mfg.	80	45.25	94,110	
5. Electronic instrument manufacturing	1,660	44.86	93,320	

State	Employment	Hourly mean wage	Annual mean wage	Percent of State employment
<i>States with the highest concentration of workers in this occupation²</i>				
1. District of Columbia	7,310	\$31.10	\$64,690	1.23
2. Maryland	11,550	27.57	57,340	0.47
3. Alaska	1,210	25.58	53,200	0.41
4. Tennessee	9,000	21.95	45,650	0.34
5. Oklahoma	4,630	20.25	42,130	0.33
<i>Top paying States for this occupation</i>				
1. New York	20,580	43.46	90,400	0.25
2. New Jersey	7,850	42.24	87,860	0.20
3. Rhode Island	660	39.84	82,860	0.14
4. Connecticut	3,200	37.64	78,300	0.20
5. Washington	2,990	36.91	76,780	0.12

MSA	Employment	Hourly mean wage	Annual mean wage	Percent of MSA employment
<i>MSAs with the highest concentration of workers in this occupation³</i>				
1. Santa Fe, NM MSA	620	\$21.95	\$45,650	0.84
2. Baltimore, MD PMSA	6,800	25.73	53,530	0.56
3. Cheyenne, WY MSA	200	25.31	52,650	0.54
4. Florence, SC MSA	340	20.81	43,290	0.54
5. Des Moines, IA MSA	1,440	32.23	67,040	0.51
<i>Top paying MSAs for this occupation</i>				
1. New York, NY PMSA	11,910	47.11	97,980	0.30
2. Jersey City, NJ PMSA	620	45.77	95,190	0.26
3. Bergen-Passaic, NJ PMSA	1,400	43.90	91,310	0.22
4. Middlesex-Somerset-Hunterdon, NJ PMSA	1,640	43.28	90,030	0.26
5. Stamford-Norwalk, CT PMSA	520	42.89	89,210	0.26

See footnotes at end of table.

Table 3. Employment and Wages for Selected Occupations by Industry, States, and MSA, May 2003—Continued

11-3031 Financial managers

Plan, direct, and coordinate accounting, investing, banking, insurance, securities, and other financial activities of a branch, office, or department of an establishment.

Industry	Employment	Hourly mean wage	Annual mean wage	
<i>Top industries by employment for this occupation¹</i>				
1. Depository credit intermediation	80,020	\$35.10	\$73,000	
2. Management of companies and enterprises	35,060	50.41	104,850	
3. Nondepository credit intermediation	22,370	45.69	95,030	
4. Local government (OES designation)	16,310	32.30	67,190	
5. Accounting and bookkeeping services	13,620	50.65	105,350	
<i>Top paying industries for this occupation</i>				
1. Other financial investment activities	11,570	65.17	135,550	
2. Securities and commodity exchanges	600	62.65	130,300	
3. Securities and commodity contracts brokerage	13,230	60.37	125,570	
4. Department stores	230	55.70	115,870	
5. Motion picture and video industries	1,560	54.64	113,650	

State	Employment	Hourly mean wage	Annual mean wage	Percent of State employment
<i>States with the highest concentration of workers in this occupation²</i>				
1. District of Columbia	5,230	\$41.97	\$87,310	0.88
2. Massachusetts	22,530	44.74	93,070	0.71
3. Connecticut	9,830	53.13	110,510	0.60
4. Maryland	14,210	38.00	79,040	0.58
5. Delaware	2,220	38.41	79,890	0.55
<i>Top paying States for this occupation</i>				
1. New York	42,760	58.09	120,830	0.52
2. Connecticut	9,830	53.13	110,510	0.60
3. Minnesota	9,440	49.57	103,100	0.36
4. California	58,440	48.27	100,400	0.40
5. New Jersey	20,420	47.69	99,190	0.53

MSA	Employment	Hourly mean wage	Annual mean wage	Percent of MSA employment
<i>MSAs with the highest concentration of workers in this occupation³</i>				
1. Stamford-Norwalk, CT PMSA	2,200	\$68.64	\$142,770	1.10
2. Boston, MA-NH PMSA	16,140	48.05	99,940	0.84
3. Jersey City, NJ PMSA	1,800	48.69	101,270	0.75
4. Nashua, NH PMSA	690	39.94	83,080	0.74
5. New York, NY PMSA	28,970	63.04	131,110	0.73
<i>Top paying MSAs for this occupation</i>				
1. Stamford-Norwalk, CT PMSA	2,200	68.64	142,770	1.10
2. New York, NY PMSA	28,970	63.04	131,110	0.73
3. San Francisco, CA PMSA	6,530	56.92	118,390	0.67
4. San Jose, CA PMSA	5,030	55.78	116,030	0.57
5. Nassau-Suffolk, NY PMSA	4,130	54.21	112,750	0.35

See footnotes at end of table.

Table 3. Employment and Wages for Selected Occupations by Industry, State, and MSA, May 2003—Continued

13-1023 Purchasing agents, except wholesale, retail, and farm products

Purchase machinery, equipment, tools, parts, supplies, or services necessary for the operation of an establishment. Purchase raw or semi-finished materials for manufacturing. Include contract specialists, field contractors, purchasers, price analysts, tooling coordinators, and media buyers.

Industry	Employment	Hourly mean wage	Annual mean wage		
<i>Top industries by employment for this occupation¹</i>					
1. Federal government (OES designation)	27,050	\$29.27	\$60,890		
2. Management of companies and enterprises	11,030	26.77	55,690		
3. Local government (OES designation)	8,990	21.92	45,590		
4. Aerospace product and parts manufacturing	7,700	26.30	54,710		
5. General medical and surgical hospitals	7,300	18.30	38,070		
<i>Top paying industries for this occupation</i>					
1. Rail transportation	170	33.78	70,250		
2. Oil and gas extraction	450	32.73	68,070		
3. Promoters of performing arts and sports	30	31.96	66,470		
4. Grocery and Related Product Wholesalers	700	31.67	65,870		
5. Power generation and supply	1,980	29.54	61,440		

State	Employment	Hourly mean wage	Annual mean wage	Percent of State employment
<i>States with the highest concentration of workers in this occupation²</i>				
1. District of Columbia	2,640	\$32.98	\$68,590	0.44
2. Virginia	8,970	26.85	55,850	0.26
3. Michigan	11,040	27.80	57,830	0.26
4. Connecticut	3,670	25.72	53,500	0.22
5. Washington	5,730	25.35	52,730	0.22
<i>Top paying States for this occupation</i>				
1. District of Columbia	2,640	32.98	68,590	0.44
2. Michigan	11,040	27.80	57,830	0.26
3. New Jersey	7,070	27.46	57,110	0.18
4. Virginia	8,970	26.85	55,850	0.26
5. Alaska	480	25.93	53,930	0.16

MSA	Employment	Hourly mean wage	Annual mean wage	Percent of MSA employment
<i>MSAs with the highest concentration of workers in this occupation³</i>				
1. Huntsville, AL MSA	1,350	\$28.93	\$60,170	0.76
2. Elkhart-Goshen, IN MSA	630	24.10	50,120	0.55
3. Binghamton, NY MSA	520	25.34	52,710	0.46
4. San Jose, CA PMSA	3,720	30.39	63,220	0.42
5. Lowell, MA-NH PMSA	450	25.15	52,320	0.36
<i>Top paying MSAs for this occupation</i>				
1. Washington, DC-MD-VA-WV PMSA	8,640	31.16	64,810	0.32
2. Detroit, MI PMSA	6,260	30.43	63,290	0.31
3. San Jose, CA PMSA	3,720	30.39	63,220	0.42
4. Austin-San Marcos, TX MSA	1,920	29.33	61,010	0.30
5. Nashville, TN MSA	1,260	29.11	60,560	0.19

See footnotes at end of table.

Table 3. Employment and Wages for Selected Occupations by Industry, States, and MSA, May 2003—Continued

13-1031 Claims adjusters, examiners, and investigators

Review settled claims to determine that payments and settlements have been made in accordance with company practices and procedures, ensuring that proper methods have been followed. Report overpayments, underpayments, and other irregularities. Confer with legal counsel on claims requiring litigation.

Industry	Employment	Hourly mean wage	Annual mean wage
<i>Top industries by employment for this occupation¹</i>			
1. Insurance carriers	142,180	\$23.05	\$47,940
2. Insurance agencies, brokerages, and related	52,530	21.91	45,580
3. Management of companies and enterprises	8,610	21.16	44,010
4. State government (OES designation)	6,330	21.98	45,720
5. Employment services	2,920	25.78	53,620
<i>Top paying industries for this occupation</i>			
1. Other professional and technical services	-	30.36	63,140
2. Rail transportation	270	30.26	62,950
3. Natural gas distribution	-	28.41	59,090
4. Power generation and supply	140	28.25	58,750
5. Grantmaking and giving services	70	27.37	56,930

State	Employment	Hourly mean wage	Annual mean wage	Percent of State employment
<i>States with the highest concentration of workers in this occupation²</i>				
1. Connecticut	5,430	\$23.92	\$49,750	0.33
2. Rhode Island	1,300	24.89	51,780	0.27
3. Nebraska	2,380	19.80	41,180	0.27
4. New Jersey	9,640	22.69	47,190	0.25
5. Oklahoma	3,500	21.31	44,330	0.25
<i>Top paying States for this occupation</i>				
1. Colorado	3,760	26.12	54,330	0.18
2. New Hampshire	640	25.72	53,490	0.11
3. Georgia	4,980	25.47	52,970	0.13
4. Rhode Island	1,300	24.89	51,780	0.27
5. New York	16,340	24.83	51,640	0.20

MSA	Employment	Hourly mean wage	Annual mean wage	Percent of MSA employment
<i>MSAs with the highest concentration of workers in this occupation³</i>				
1. Bloomington-Normal, IL MSA	1,420	\$25.10	\$52,220	1.81
2. Wausau, WI MSA	730	20.29	42,210	1.09
3. Green Bay, WI MSA	1,060	13.61	28,310	0.74
4. Lakeland-Winter Haven, FL MSA	1,400	16.56	34,450	0.74
5. Hartford, CT MSA	4,300	23.24	48,330	0.72
<i>Top paying MSAs for this occupation</i>				
1. Stamford-Norwalk, CT PMSA	270	34.15	71,040	0.14
2. Wichita Falls, TX MSA	30	31.94	66,430	0.05
3. Hattiesburg, MS MSA	-	30.16	62,730	0.00
4. Lubbock, TX MSA	270	29.98	62,360	0.23
5. Athens, GA MSA	-	29.68	61,730	0.00

See footnotes at end of table.

Table 3. Employment and Wages for Selected Occupations by Industry, State, and MSA, May 2003—Continued

13-1111 Management analysts

Conduct organizational studies and evaluations, design systems and procedures, conduct work simplifications and measurement studies, and prepare operations and procedures manuals to assist management in operating more efficiently and effectively. Include program analysts and management consultants.

Industry	Employment	Hourly mean wage	Annual mean wage	
<i>Top industries by employment for this occupation¹</i>				
1. Management and technical consulting services	109,670	\$42.58	\$88,570	
2. Federal government (OES designation)	42,500	33.14	68,940	
3. Computer systems design and related services	25,630	39.57	82,310	
4. State government (OES designation)	25,330	24.51	50,980	
5. Management of companies and enterprises	17,360	31.62	65,770	
<i>Top paying industries for this occupation</i>				
1. Medical and diagnostic laboratories	200	49.48	102,910	
2. Misc. durable goods merchant wholesalers	-	48.78	101,470	
3. Investigation and security services	80	45.23	94,090	
4. Waste treatment and disposal	80	45.14	93,880	
5. Other professional and technical services	2,970	44.13	91,790	

State	Employment	Hourly mean wage	Annual mean wage	Percent of State employment
<i>States with the highest concentration of workers in this occupation²</i>				
1. District of Columbia	17,630	\$34.59	\$71,940	2.97
2. Virginia	30,680	38.32	79,700	0.90
3. Maryland	14,840	34.64	72,050	0.61
4. Connecticut	9,070	38.06	79,160	0.55
5. Arizona	10,900	27.18	56,540	0.48
<i>Top paying States for this occupation</i>				
1. Massachusetts	13,240	43.31	90,080	0.42
2. Rhode Island	-	40.80	84,870	0.00
3. California	54,730	40.59	84,430	0.38
4. New Jersey	15,360	39.32	81,780	0.40
5. Colorado	7,130	39.02	81,150	0.34

MSA	Employment	Hourly mean wage	Annual mean wage	Percent of MSA employment
<i>MSAs with the highest concentration of workers in this occupation³</i>				
1. Tallahassee, FL MSA	3,630	\$24.24	\$50,420	2.31
2. Washington, DC-MD-VA-WV PMSA	46,190	37.28	77,530	1.71
3. Stamford-Norwalk, CT PMSA	2,430	47.33	98,440	1.21
4. Austin-San Marcos, TX MSA	5,730	25.86	53,780	0.88
5. Little Rock-North Little Rock, AR MSA	2,320	24.63	51,230	0.77
<i>Top paying MSAs for this occupation</i>				
1. Punta Gorda, FL MSA	80	66.34	138,000	0.20
2. San Jose, CA PMSA	4,750	56.77	118,080	0.54
3. Riverside-San Bernardino, CA PMSA	2,330	52.02	108,200	0.21
4. Reading, PA MSA	390	50.80	105,670	0.25
5. Colorado Springs, CO MSA	1,140	50.54	105,120	0.49

See footnotes at end of table.

Table 3. Employment and Wages for Selected Occupations by Industry, States, and MSA, May 2003—Continued

13-2011 Accountants and auditors

Examine, analyze, and interpret accounting records for the purpose of giving advice or preparing statements. Install or advise on systems of recording costs or other financial and budgetary data.

Industry	Employment	Hourly mean wage	Annual mean wage	
<i>Top industries by employment for this occupation¹</i>				
1. Accounting and bookkeeping services	223,760	\$30.11	\$62,640	
2. Management of companies and enterprises	49,800	26.72	55,570	
3. State government (OES designation)	34,850	22.16	46,100	
4. Local government (OES designation)	33,950	23.38	48,620	
5. Federal government (OES designation)	31,230	27.25	56,690	
<i>Top paying industries for this occupation</i>				
1. Business, computer and management training	1,710	34.24	71,230	
2. Automobile dealers	5,840	31.73	65,990	
3. Software publishers	3,060	30.71	63,890	
4. Local messengers and local delivery	-	30.21	62,840	
5. Accounting and bookkeeping services	223,760	30.11	62,640	

State	Employment	Hourly mean wage	Annual mean wage	Percent of State employment
<i>States with the highest concentration of workers in this occupation²</i>				
1. District of Columbia	9,060	\$30.00	\$62,390	1.52
2. Connecticut	17,600	31.11	64,710	1.07
3. Delaware	4,080	22.70	47,220	1.01
4. New York	78,800	31.38	65,260	0.95
5. Vermont	2,510	27.37	56,930	0.86
<i>Top paying States for this occupation</i>				
1. New York	78,800	31.38	65,260	0.95
2. Connecticut	17,600	31.11	64,710	1.07
3. District of Columbia	9,060	30.00	62,390	1.52
4. California	107,520	29.92	62,220	0.74
5. New Jersey	30,230	29.80	61,990	0.78

MSA	Employment	Hourly mean wage	Annual mean wage	Percent of MSA employment
<i>MSAs with the highest concentration of workers in this occupation³</i>				
1. Stamford-Norwalk, CT PMSA	3,830	\$33.77	\$70,240	1.91
2. Tallahassee, FL MSA	2,840	18.81	39,130	1.81
3. Olympia, WA PMSA	1,170	24.25	50,440	1.38
4. Montgomery, AL MSA	1,910	25.18	52,380	1.27
5. New York, NY PMSA	47,440	33.86	70,420	1.19
<i>Top paying MSAs for this occupation</i>				
1. San Jose, CA PMSA	8,200	36.33	75,570	0.93
2. Oakland, CA PMSA	8,420	35.35	73,530	0.83
3. Danbury, CT PMSA	810	34.51	71,770	0.91
4. New York, NY PMSA	47,440	33.86	70,420	1.19
5. Stamford-Norwalk, CT PMSA	3,830	33.77	70,240	1.91

See footnotes at end of table.

Table 3. Employment and Wages for Selected Occupations by Industry, State, and MSA, May 2003—Continued

13-2072 Loan officers

Evaluate, authorize, or recommend approval of commercial, real estate, or credit loans. Advise borrowers on financial status and methods of payments. Include mortgage loan officers and agents, collection analysts, loan servicing officers, and loan underwriters.

Industry	Employment	Hourly mean wage	Annual mean wage	
<i>Top industries by employment for this occupation¹</i>				
1. Depository credit intermediation	99,910	\$24.16	\$50,260	
2. Nondepository credit intermediation	77,770	28.30	58,870	
3. Activities related to credit intermediation	31,930	29.69	61,770	
4. Management of companies and enterprises	8,340	27.67	57,560	
5. Federal government (OES designation)	4,690	27.88	57,980	
<i>Top paying industries for this occupation</i>				
1. Securities and commodity contracts brokerage	1,340	37.68	78,370	
2. Automobile dealers	1,070	35.10	73,000	
3. Residential building construction	-	34.66	72,100	
4. Other motor vehicle dealers	30	31.77	66,080	
5. Land subdivision	140	30.71	63,880	

State	Employment	Hourly mean wage	Annual mean wage	Percent of State employment
<i>States with the highest concentration of workers in this occupation²</i>				
1. Colorado	7,010	\$32.21	\$66,990	0.33
2. Montana	1,250	19.91	41,410	0.32
3. South Dakota	1,110	19.38	40,310	0.31
4. Rhode Island	1,410	41.19	85,680	0.30
5. Kansas	3,810	22.18	46,130	0.29
<i>Top paying States for this occupation</i>				
1. Rhode Island	1,410	41.19	85,680	0.30
2. Massachusetts	4,370	35.92	74,710	0.14
3. Connecticut	2,370	34.66	72,100	0.14
4. Arizona	5,650	34.58	71,930	0.25
5. District of Columbia	480	33.68	70,060	0.08

MSA	Employment	Hourly mean wage	Annual mean wage	Percent of MSA employment
<i>MSAs with the highest concentration of workers in this occupation³</i>				
1. Florence, SC MSA	320	\$22.32	\$46,420	0.51
2. Manchester, NH PMSA	540	36.46	75,840	0.51
3. Great Falls, MT MSA	150	17.92	37,270	0.47
4. Charlotte-Gastonia-Rock Hill, NC-SC MSA	3,130	32.48	67,550	0.39
5. Boulder-Longmont, CO PMSA	580	28.25	58,760	0.37
<i>Top paying MSAs for this occupation</i>				
1. Stamford-Norwalk, CT PMSA	430	44.69	92,960	0.22
2. Fort Collins-Loveland, CO MSA	200	43.13	89,720	0.17
3. New York, NY PMSA	3,420	40.54	84,310	0.09
4. San Francisco, CA PMSA	1,670	39.83	82,860	0.17
5. Boston, MA-NH PMSA	2,700	39.02	81,150	0.14

See footnotes at end of table.

Table 3. Employment and Wages for Selected Occupations by Industry, States, and MSA, May 2003—Continued

15-1021 Computer programmers

Convert project specifications and statements of problems and procedures to detailed logical flow charts for coding into computer language. Develop and write computer programs to store, locate, and retrieve specific documents, data, and information. May program web sites.

Industry	Employment	Hourly mean wage	Annual mean wage	
<i>Top industries by employment for this occupation¹</i>				
1. Computer systems design and related services	113,130	\$33.81	\$70,330	
2. Management of companies and enterprises	23,850	29.60	61,570	
3. Commercial equip. merchant wholesalers	19,500	35.32	73,470	
4. Data processing and related services	18,670	30.50	63,450	
5. Software publishers	18,300	32.88	68,390	
<i>Top paying industries for this occupation</i>				
1. Used merchandise stores	-	37.51	78,020	
2. Department stores	-	37.45	77,900	
3. Securities and commodity contracts brokerage	4,060	35.84	74,550	
4. Office administrative services	3,430	35.80	74,460	
5. Consumer goods rental	-	35.76	74,390	

State	Employment	Hourly mean wage	Annual mean wage	Percent of State employment
<i>States with the highest concentration of workers in this occupation²</i>				
1. District of Columbia	4,070	\$29.58	\$61,530	0.69
2. New Jersey	24,980	32.32	67,220	0.65
3. Virginia	20,200	29.70	61,780	0.60
4. Delaware	2,320	36.17	75,230	0.58
5. Maryland	12,570	30.36	63,150	0.51
<i>Top paying States for this occupation</i>				
1. Delaware	2,320	36.17	75,230	0.58
2. Washington	10,290	35.98	74,830	0.40
3. California	47,320	35.56	73,960	0.33
4. Texas	33,020	35.41	73,660	0.36
5. Connecticut	6,900	34.33	71,410	0.42

MSA	Employment	Hourly mean wage	Annual mean wage	Percent of MSA employment
<i>MSAs with the highest concentration of workers in this occupation³</i>				
1. Olympia, WA PMSA	970	\$26.84	\$55,820	1.15
2. Raleigh-Durham-Chapel Hill, NC MSA	6,920	34.48	71,720	1.04
3. Trenton, NJ PMSA	2,170	30.76	63,980	1.04
4. Jersey City, NJ PMSA	2,410	34.48	71,720	1.00
5. Bergen-Passaic, NJ PMSA	5,750	27.75	57,710	0.90
<i>Top paying MSAs for this occupation</i>				
1. Huntsville, AL MSA	1,310	48.99	101,890	0.74
2. Houston, TX PMSA	6,130	45.18	93,980	0.30
3. New London-Norwich, CT-RI MSA	230	41.24	85,780	0.16
4. Richland-Kennebec-Pasco, WA MSA	120	40.84	84,950	0.15
5. Jacksonville, FL MSA	2,690	40.65	84,550	0.50

See footnotes at end of table.

Table 3. Employment and Wages for Selected Occupations by Industry, State, and MSA, May 2003—Continued

15-1031 Computer software engineers, applications

Develop, create, and modify general computer applications software or specialized utility programs. Analyze user needs and develop software solutions. Design software or customize software for client use with the aim of optimizing operational efficiency. May analyze and design databases within an application area, working individually or coordinating database development as part of a team.

Industry	Employment	Hourly mean wage	Annual mean wage	
<i>Top industries by employment for this occupation¹</i>				
1. Computer systems design and related services	125,910	\$37.57	\$78,140	
2. Software publishers	41,240	38.14	79,330	
3. Management of companies and enterprises	18,970	33.23	69,110	
4. Electronic instrument manufacturing	12,010	37.45	77,910	
5. Data processing and related services	11,480	35.77	74,400	
<i>Top paying industries for this occupation</i>				
1. Securities and commodity contracts brokerage	5,690	46.71	97,150	
2. Employment services	4,040	44.96	93,520	
3. Securities and commodity exchanges	170	43.09	89,620	
4. Professional and similar organizations	740	43.01	89,450	
5. Other financial investment activities	2,710	40.23	83,690	

State	Employment	Hourly mean wage	Annual mean wage	Percent of State employment
<i>States with the highest concentration of workers in this occupation²</i>				
1. Colorado	13,690	\$37.14	\$77,240	0.65
2. Virginia	21,910	33.32	69,300	0.65
3. Massachusetts	17,480	41.05	85,390	0.55
4. California	76,070	41.76	86,860	0.52
5. Washington	13,090	38.09	79,220	0.51
<i>Top paying States for this occupation</i>				
1. Delaware	550	42.17	87,720	0.14
2. California	76,070	41.76	86,860	0.52
3. Massachusetts	17,480	41.05	85,390	0.55
4. New Jersey	16,630	39.40	81,940	0.43
5. Maryland	10,880	38.23	79,530	0.45

MSA	Employment	Hourly mean wage	Annual mean wage	Percent of MSA employment
<i>MSAs with the highest concentration of workers in this occupation³</i>				
1. San Jose, CA PMSA	17,980	\$45.13	\$93,860	2.05
2. Boulder-Longmont, CO PMSA	2,480	42.67	88,750	1.60
3. Lowell, MA-NH PMSA	1,380	40.80	84,860	1.11
4. Oakland, CA PMSA	10,180	38.17	79,390	1.00
5. Melbourne-Titusville-Palm Bay, FL MSA	1,690	35.87	74,620	0.90
<i>Top paying MSAs for this occupation</i>				
1. Asheville, NC MSA	80	52.56	109,320	0.07
2. Orange County, CA PMSA	7,800	50.04	104,090	0.54
3. Santa Rosa, CA PMSA	350	48.52	100,920	0.18
4. San Jose, CA PMSA	17,980	45.13	93,860	2.05
5. Jersey City, NJ PMSA	1,580	45.03	93,660	0.65

See footnotes at end of table.

Table 3. Employment and Wages for Selected Occupations by Industry, States, and MSA, May 2003—Continued

15-1032 Computer software engineers, systems software

Research, design, develop, and test operating systems-level software, compilers, and network distribution software for medical, industrial, military, communications, aerospace, business, scientific, and general computing applications. Set operational specifications and formulate and analyze software requirements. Apply principles and techniques of computer science, engineering, and mathematical analysis.

Industry	Employment	Hourly mean wage	Annual mean wage
<i>Top industries by employment for this occupation¹</i>			
1. Computer systems design and related services	77,110	\$38.19	\$79,420
2. Software publishers	19,130	38.61	80,310
3. Wired telecommunications carriers	16,490	34.27	71,280
4. Computer and peripheral equipment mfg.	16,070	40.62	84,480
5. Scientific research and development services	14,310	43.18	89,810
<i>Top paying industries for this occupation</i>			
1. Securities and commodity exchanges	-	45.19	94,000
2. Motion picture and video industries	-	43.40	90,270
3. Scientific research and development services	14,310	43.18	89,810
4. Electrical equipment manufacturing	270	42.80	89,030
5. Employment services	3,800	42.13	87,630

State	Employment	Hourly mean wage	Annual mean wage	Percent of State employment
<i>States with the highest concentration of workers in this occupation²</i>				
1. Maryland	13,340	\$39.34	\$81,820	0.55
2. Virginia	18,040	37.36	77,710	0.53
3. Massachusetts	15,700	40.77	84,810	0.50
4. Colorado	9,120	37.80	78,620	0.43
5. Washington	10,650	38.99	81,100	0.42
<i>Top paying States for this occupation</i>				
1. New Jersey	12,900	44.06	91,650	0.33
2. California	50,240	42.32	88,020	0.35
3. District of Columbia	-	40.85	84,970	0.00
4. Massachusetts	15,700	40.77	84,810	0.50
5. New Hampshire	1,120	40.75	84,750	0.19

MSA	Employment	Hourly mean wage	Annual mean wage	Percent of MSA employment
<i>MSAs with the highest concentration of workers in this occupation³</i>				
1. San Jose, CA PMSA	14,300	\$46.69	\$97,110	1.63
2. Pittsfield, MA MSA	590	34.43	71,620	1.41
3. Colorado Springs, CO MSA	2,560	37.80	78,630	1.10
4. Lowell, MA-NH PMSA	1,160	40.70	84,650	0.93
5. Boulder-Longmont, CO PMSA	1,360	40.63	84,500	0.88
<i>Top paying MSAs for this occupation</i>				
1. Modesto, CA MSA	-	89.36	185,870	0.00
2. Danbury, CT PMSA	200	63.47	132,020	0.23
3. Missoula, MT MSA	-	54.65	113,670	0.00
4. Newark, NJ PMSA	2,670	50.60	105,250	0.28
5. San Jose, CA PMSA	14,300	46.69	97,110	1.63

See footnotes at end of table.

Table 3. Employment and Wages for Selected Occupations by Industry, State, and MSA, May 2003—Continued

15-1041 Computer support specialists

Provide technical assistance to computer system users. Answer questions or resolve computer problems for clients in person, via telephone or from remote location. May provide assistance concerning the use of computer hardware and software, including printing, installation, word processing, electronic mail, and operating systems.

Industry	Employment	Hourly mean wage	Annual mean wage	
<i>Top industries by employment for this occupation¹</i>				
1. Computer systems design and related services	82,950	\$21.12	\$43,930	
2. Management of companies and enterprises	24,840	21.66	45,040	
3. Elementary and secondary schools	24,680	17.38	36,150	
4. Software publishers	20,700	23.53	48,950	
5. Colleges and universities	20,010	17.83	37,090	
<i>Top paying industries for this occupation</i>				
1. Other heavy construction	60	29.23	60,800	
2. Semiconductor and electronic component mfg.	3,890	27.07	56,300	
3. Securities and commodity exchanges	60	26.86	55,860	
4. Federal government (OES designation)	80	26.56	55,240	
5. Insurance and employee benefit funds	350	26.45	55,010	

State	Employment	Hourly mean wage	Annual mean wage	Percent of State employment
<i>States with the highest concentration of workers in this occupation²</i>				
1. Delaware	2,440	\$24.65	\$51,270	0.61
2. South Dakota	2,030	14.59	30,350	0.57
3. Washington	14,200	21.85	45,450	0.55
4. District of Columbia	3,260	20.91	43,500	0.55
5. Utah	5,660	15.01	31,220	0.54
<i>Top paying States for this occupation</i>				
1. Massachusetts	17,080	25.63	53,310	0.54
2. Delaware	2,440	24.65	51,270	0.61
3. New York	27,760	24.04	50,010	0.34
4. New Jersey	18,590	22.94	47,720	0.48
5. Colorado	11,010	22.86	47,540	0.52

MSA	Employment	Hourly mean wage	Annual mean wage	Percent of MSA employment
<i>MSAs with the highest concentration of workers in this occupation³</i>				
1. Olympia, WA PMSA	1,070	\$22.08	\$45,920	1.26
2. Boulder-Longmont, CO PMSA	1,640	22.94	47,710	1.06
3. Lawrence, KS MSA	470	21.45	44,630	1.00
4. Raleigh-Durham-Chapel Hill, NC MSA	6,150	23.10	48,050	0.93
5. San Jose, CA PMSA	7,920	29.15	60,630	0.90
<i>Top paying MSAs for this occupation</i>				
1. San Jose, CA PMSA	7,920	29.15	60,630	0.90
2. Lowell, MA-NH PMSA	710	26.65	55,430	0.57
3. Boston, MA-NH PMSA	13,240	26.38	54,880	0.69
4. New York, NY PMSA	15,210	26.37	54,860	0.38
5. Wilmington-Newark, DE-MD PMSA	2,000	25.60	53,250	0.66

See footnotes at end of table.

Table 3. Employment and Wages for Selected Occupations by Industry, States, and MSA, May 2003—Continued

15-1051 Computer systems analysts

Analyze science, engineering, business, and all other data processing problems for application to electronic data processing systems. Analyze user requirements, procedures, and problems to automate or improve existing systems and review computer system capabilities, workflow, and scheduling limitations. May analyze or recommend commercially available software.

Industry	Employment	Hourly mean wage	Annual mean wage
<i>Top industries by employment for this occupation¹</i>			
1. Computer systems design and related services	93,270	\$34.57	\$71,900
2. Federal government (OES designation)	57,340	33.91	70,540
3. Insurance carriers	30,640	30.62	63,680
4. Management of companies and enterprises	25,060	31.41	65,320
5. Data processing and related services	17,460	32.61	67,840
<i>Top paying industries for this occupation</i>			
1. Grocery and Related Product Wholesalers	190	36.31	75,530
2. Securities and commodity contracts brokerage	4,080	35.79	74,440
3. Oil and gas extraction	500	35.46	73,760
4. Pharmaceutical and medicine manufacturing	3,380	35.28	73,380
5. Other financial investment activities	3,050	34.85	72,490

State	Employment	Hourly mean wage	Annual mean wage	Percent of State employment
<i>States with the highest concentration of workers in this occupation²</i>				
1. District of Columbia	8,640	\$36.99	\$76,930	1.45
2. Maryland	19,830	33.22	69,100	0.81
3. Virginia	25,270	32.67	67,950	0.74
4. Massachusetts	18,280	31.29	65,080	0.58
5. Colorado	11,350	33.07	68,780	0.54
<i>Top paying States for this occupation</i>				
1. District of Columbia	8,640	36.99	76,930	1.45
2. New Jersey	19,960	35.51	73,860	0.52
3. North Carolina	13,640	34.65	72,060	0.37
4. New York	28,380	34.25	71,240	0.34
5. Georgia	17,630	34.11	70,940	0.47

MSA	Employment	Hourly mean wage	Annual mean wage	Percent of MSA employment
<i>MSAs with the highest concentration of workers in this occupation³</i>				
1. Huntsville, AL MSA	3,340	\$32.80	\$68,230	1.88
2. Washington, DC-MD-VA-WV PMSA	36,490	34.89	72,560	1.35
3. Springfield, IL MSA	1,270	26.98	56,120	1.16
4. Middlesex-Somerset-Hunterdon, NJ PMSA	7,140	31.96	66,480	1.14
5. Madison, WI MSA	2,770	27.04	56,250	0.99
<i>Top paying MSAs for this occupation</i>				
1. Charlotte-Gastonia-Rock Hill, NC-SC MSA	3,130	46.01	95,700	0.39
2. Monmouth-Ocean, NJ PMSA	1,470	45.59	94,820	0.37
3. Santa Rosa, CA PMSA	230	40.79	84,850	0.12
4. Bridgeport, CT PMSA	580	39.84	82,860	0.31
5. Chico-Paradise, CA MSA	-	39.58	82,320	0.00

See footnotes at end of table.

Table 3. Employment and Wages for Selected Occupations by Industry, State, and MSA, May 2003—Continued

17-2051 Civil engineers

Perform engineering duties in planning, designing, and overseeing construction and maintenance of building structures, and facilities, such as roads, railroads, airports, bridges, harbors, channels, dams, irrigation projects, pipelines, power plants, water and sewage systems, and waste disposal units. Include architectural, structural, traffic, ocean, and geo-technical engineers.

Industry	Employment	Hourly mean wage	Annual mean wage	
<i>Top industries by employment for this occupation¹</i>				
1. Architectural and engineering services	99,400	\$31.49	\$65,500	
2. State government (OES designation)	30,180	28.59	59,460	
3. Local government (OES designation)	28,380	31.29	65,080	
4. Federal government (OES designation)	9,080	34.37	71,500	
5. Nonresidential building construction	7,410	28.80	59,900	
<i>Top paying industries for this occupation</i>				
1. Oil and gas extraction	250	44.60	92,770	
2. Lumber and const. supply merchant wholesalers	60	40.07	83,340	
3. Other professional and technical services	-	38.74	80,580	
4. Basic chemical manufacturing	220	38.00	79,050	
5. Motor vehicle parts manufacturing	30	36.90	76,740	

State	Employment	Hourly mean wage	Annual mean wage	Percent of State employment
<i>States with the highest concentration of workers in this occupation²</i>				
1. Washington	10,620	\$33.85	\$70,400	0.42
2. Hawaii	1,610	29.52	61,400	0.29
3. Colorado	6,010	31.10	64,680	0.28
4. Alaska	780	36.03	74,940	0.27
5. Montana	950	26.01	54,100	0.24
<i>Top paying States for this occupation</i>				
1. Alaska	780	36.03	74,940	0.27
2. District of Columbia	950	34.70	72,180	0.16
3. California	34,320	34.06	70,850	0.24
4. Washington	10,620	33.85	70,400	0.42
5. Nevada	2,420	33.75	70,200	0.23

MSA	Employment	Hourly mean wage	Annual mean wage	Percent of MSA employment
<i>MSAs with the highest concentration of workers in this occupation³</i>				
1. Richland-Kennewick-Pasco, WA MSA	740	\$33.21	\$69,070	0.93
2. Olympia, WA PMSA	710	29.81	62,010	0.84
3. Yuba City, CA MSA	310	30.33	63,090	0.82
4. Sacramento, CA PMSA	4,100	32.93	68,500	0.55
5. Seattle-Bellevue-Everett, WA PMSA	6,710	36.03	74,940	0.52
<i>Top paying MSAs for this occupation</i>				
1. Columbus, GA-AL MSA	70	44.58	92,730	0.06
2. Wheeling, WV-OH MSA	60	42.75	88,920	0.10
3. Lake Charles, LA MSA	120	38.16	79,380	0.15
4. Galveston-Texas City, TX PMSA	90	38.12	79,280	0.10
5. Fort Lauderdale, FL PMSA	1,200	37.37	77,740	0.17

See footnotes at end of table.

Table 3. Employment and Wages for Selected Occupations by Industry, States, and MSA, May 2003—Continued

17-2071 Electrical engineers

Design, develop, test, or supervise the manufacturing and installation of electrical equipment, components, or systems for commercial, industrial, military, or scientific use.

Industry	Employment	Hourly mean wage	Annual mean wage	
<i>Top industries by employment for this occupation¹</i>				
1. Architectural and engineering services	30,020	\$34.44	\$71,640	
2. Electronic instrument manufacturing	16,190	35.48	73,800	
3. Semiconductor and electronic component mfg.	9,520	38.38	79,830	
4. Power generation and supply	8,130	34.37	71,480	
5. Scientific research and development services	5,730	37.57	78,150	
<i>Top paying industries for this occupation</i>				
1. Electronic markets and agents and brokers	500	49.31	102,560	
2. Radio and television broadcasting	-	44.73	93,030	
3. Highway, street, and bridge construction	-	41.69	86,710	
4. Computer systems design and related services	3,290	40.68	84,610	
5. Software publishers	-	39.65	82,480	

State	Employment	Hourly mean wage	Annual mean wage	Percent of State employment
<i>States with the highest concentration of workers in this occupation²</i>				
1. New Mexico	2,570	\$37.53	\$78,060	0.35
2. Colorado	5,090	34.01	70,740	0.24
3. Massachusetts	7,240	38.91	80,930	0.23
4. Virginia	7,080	32.97	68,580	0.21
5. Idaho	1,050	34.78	72,350	0.19
<i>Top paying States for this occupation</i>				
1. Massachusetts	7,240	38.91	80,930	0.23
2. California	22,510	38.88	80,870	0.16
3. Alaska	240	38.75	80,600	0.08
4. New Mexico	2,570	37.53	78,060	0.35
5. District of Columbia	640	37.33	77,640	0.11

MSA	Employment	Hourly mean wage	Annual mean wage	Percent of MSA employment
<i>MSAs with the highest concentration of workers in this occupation³</i>				
1. San Jose, CA PMSA	5,650	\$44.66	\$92,890	0.64
2. Albuquerque, NM MSA	2,130	37.09	77,150	0.62
3. Huntsville, AL MSA	1,090	34.09	70,920	0.61
4. Richland-Kennewick-Pasco, WA MSA	460	37.92	78,870	0.58
5. Colorado Springs, CO MSA	1,170	35.02	72,830	0.50
<i>Top paying MSAs for this occupation</i>				
1. San Jose, CA PMSA	5,650	44.66	92,890	0.64
2. Houma, LA MSA	40	44.19	91,920	0.05
3. Austin-San Marcos, TX MSA	1,530	44.04	91,600	0.24
4. Fitchburg-Leominster, MA PMSA	-	43.19	89,840	0.00
5. Sacramento, CA PMSA	760	41.69	86,720	0.10

See footnotes at end of table.

Table 3. Employment and Wages for Selected Occupations by Industry, State, and MSA, May 2003—Continued

17-2112 Industrial engineers

Design, develop, test, and evaluate integrated systems for managing industrial production processes including human work factors, quality control, inventory control, logistics and material flow, cost analysis, and production coordination.

Industry	Employment	Hourly mean wage	Annual mean wage		
<i>Top industries by employment for this occupation¹</i>					
1. Motor vehicle parts manufacturing	11,560	\$30.23	\$62,870		
2. Aerospace product and parts manufacturing	9,230	31.30	65,100		
3. Semiconductor and electronic component mfg.	9,070	34.21	71,150		
4. Electronic instrument manufacturing	8,230	32.17	66,920		
5. Architectural and engineering services	7,910	31.33	65,170		
<i>Top paying industries for this occupation</i>					
1. Support activities for mining	70	40.38	84,000		
2. Tobacco manufacturing	150	39.84	82,870		
3. Oil and gas extraction	920	39.79	82,760		
4. Rail transportation	50	37.27	77,530		
5. Electronics and appliance stores	140	36.32	75,540		

State	Employment	Hourly mean wage	Annual mean wage	Percent of State employment
<i>States with the highest concentration of workers in this occupation²</i>				
1. Michigan	13,460	\$31.79	\$66,120	0.31
2. Indiana	7,080	28.14	58,530	0.25
3. Idaho	1,160	34.35	71,450	0.21
4. Ohio	10,270	30.12	62,650	0.19
5. Connecticut	2,900	31.62	65,760	0.18
<i>Top paying States for this occupation</i>				
1. Alaska	80	38.28	79,630	0.03
2. California	17,750	34.96	72,720	0.12
3. District of Columbia	210	34.63	72,030	0.04
4. Wyoming	130	34.61	72,000	0.05
5. Idaho	1,160	34.35	71,450	0.21

MSA	Employment	Hourly mean wage	Annual mean wage	Percent of MSA employment
<i>MSAs with the highest concentration of workers in this occupation³</i>				
1. San Jose, CA PMSA	5,580	\$40.86	\$84,990	0.64
2. Lawrence, MA-NH PMSA	950	34.82	72,420	0.62
3. Boulder-Longmont, CO PMSA	630	36.89	76,740	0.41
4. Dayton-Springfield, OH MSA	1,770	32.21	66,990	0.39
5. Rochester, NY MSA	1,890	28.91	60,120	0.37
<i>Top paying MSAs for this occupation</i>				
1. Huntington-Ashland, WV-KY-OH MSA	40	48.51	100,910	0.04
2. San Jose, CA PMSA	5,580	40.86	84,990	0.64
3. Odessa-Midland, TX MSA	40	38.91	80,920	0.04
4. Richland-Kennewick-Pasco, WA MSA	140	38.31	79,680	0.18
5. Rochester, MN MSA	80	38.14	79,320	0.08

See footnotes at end of table.

Table 3. Employment and Wages for Selected Occupations by Industry, States, and MSA, May 2003—Continued

17-2141 Mechanical engineers

Perform engineering duties in planning and designing tools, engines, machines, and other mechanically functioning equipment. Oversee installation, operation, maintenance, and repair of such equipment as centralized heat, gas, water, and steam systems.

Industry	Employment	Hourly mean wage	Annual mean wage	
<i>Top industries by employment for this occupation¹</i>				
1. Architectural and engineering services	36,210	\$33.68	\$70,050	
2. Electronic instrument manufacturing	12,040	33.16	68,970	
3. Aerospace product and parts manufacturing	10,610	32.91	68,460	
4. Federal government (OES designation)	9,490	35.69	74,230	
5. Scientific research and development services	8,920	35.04	72,890	
<i>Top paying industries for this occupation²</i>				
1. Spectator sports	150	56.14	116,770	
2. Oil and gas extraction	120	40.65	84,550	
3. Radio and television broadcasting	-	38.76	80,620	
4. Petroleum and coal products manufacturing	780	37.59	78,190	
5. Employment services	4,460	36.68	76,300	

State	Employment	Hourly mean wage	Annual mean wage	Percent of State employment
<i>States with the highest concentration of workers in this occupation²</i>				
1. Michigan	16,140	\$31.21	\$64,910	0.37
2. Connecticut	5,800	31.69	65,920	0.35
3. Wisconsin	7,250	28.95	60,220	0.27
4. Ohio	13,790	29.58	61,530	0.26
5. New Hampshire	1,520	30.65	63,740	0.25
<i>Top paying States for this occupation³</i>				
1. District of Columbia	710	37.89	78,820	0.12
2. New Mexico	960	37.33	77,650	0.13
3. Alaska	330	35.62	74,100	0.11
4. California	21,150	35.56	73,970	0.15
5. Massachusetts	7,530	35.30	73,430	0.24

MSA	Employment	Hourly mean wage	Annual mean wage	Percent of MSA employment
<i>MSAs with the highest concentration of workers in this occupation³</i>				
1. Peoria-Pekin, IL MSA	1,380	\$32.33	\$67,240	0.85
2. Richland-Kennewick-Pasco, WA MSA	550	40.80	84,860	0.69
3. Sheboygan, WI MSA	380	28.10	58,440	0.66
4. Bremerton, WA PMSA	460	33.56	69,790	0.63
5. Huntsville, AL MSA	1,060	33.68	70,050	0.60
<i>Top paying MSAs for this occupation³</i>				
1. Eau Claire, WI MSA	130	51.88	107,920	0.18
2. Tallahassee, FL MSA	-	46.32	96,350	0.00
3. Richland-Kennewick-Pasco, WA MSA	550	40.80	84,860	0.69
4. San Jose, CA PMSA	3,390	40.61	84,460	0.39
5. Raleigh-Durham-Chapel Hill, NC MSA	740	39.06	81,250	0.11

See footnotes at end of table.

Table 3. Employment and Wages for Selected Occupations by Industry, State, and MSA, May 2003—Continued

17-3023 Electrical and electronic engineering technicians

Apply electrical and electronic theory and related knowledge, usually under the direction of engineering staff, to design, build, repair, calibrate, and modify electrical components, circuitry, controls, and machinery for subsequent evaluation and use by engineering staff in making engineering design decisions.

Industry	Employment	Hourly mean wage	Annual mean wage	
<i>Top industries by employment for this occupation¹</i>				
1. Semiconductor and electronic component mfg.	21,220	\$19.50	\$40,560	
2. Electronic instrument manufacturing	14,580	20.21	42,030	
3. Architectural and engineering services	14,430	21.93	45,620	
4. Wired telecommunications carriers	8,810	23.05	47,950	
5. Federal government (OES designation)	8,600	29.17	60,670	
<i>Top paying industries for this occupation</i>				
1. Office administrative services	170	41.98	87,320	
2. Independent artists, writers, and performers	60	34.88	72,550	
3. Petroleum and coal products manufacturing	410	30.62	63,680	
4. Federal government (OES designation)	8,600	29.17	60,670	
5. Electronic markets and agents and brokers	2,030	27.85	57,920	

State	Employment	Hourly mean wage	Annual mean wage	Percent of State employment
<i>States with the highest concentration of workers in this occupation²</i>				
1. New Mexico	2,160	\$21.72	\$45,180	0.29
2. Massachusetts	6,810	23.40	48,680	0.22
3. Idaho	1,070	20.45	42,530	0.19
4. South Carolina	3,300	21.63	44,990	0.19
5. Utah	1,930	19.59	40,750	0.19
<i>Top paying States for this occupation</i>				
1. Alaska	390	28.56	59,410	0.13
2. District of Columbia	490	24.49	50,940	0.08
3. California	26,670	23.78	49,470	0.18
4. Hawaii	620	23.70	49,300	0.11
5. Vermont	260	23.62	49,130	0.09

MSA	Employment	Hourly mean wage	Annual mean wage	Percent of MSA employment
<i>MSAs with the highest concentration of workers in this occupation³</i>				
1. San Jose, CA PMSA	6,580	\$25.78	\$53,610	0.75
2. Las Cruces, NM MSA	390	21.20	44,090	0.68
3. Lowell, MA-NH PMSA	720	22.35	46,500	0.58
4. Nashua, NH PMSA	500	21.50	44,710	0.54
5. State College, PA MSA	340	13.47	28,010	0.53
<i>Top paying MSAs for this occupation</i>				
1. Abilene, TX MSA	40	32.29	67,170	0.08
2. Amarillo, TX MSA	-	30.90	64,280	0.00
3. Bremerton, WA PMSA	240	29.89	62,170	0.33
4. Bakersfield, CA MSA	820	28.84	59,980	0.37
5. Anchorage, AK MSA	270	27.23	56,650	0.20

See footnotes at end of table.

Table 3. Employment and Wages for Selected Occupations by Industry, States, and MSA, May 2003—Continued

19-2031 Chemists

Conduct qualitative and quantitative chemical analyses or chemical experiments in laboratories for quality or process control or to develop new products or knowledge.

Industry	Employment	Hourly mean wage	Annual mean wage		
<i>Top industries by employment for this occupation¹</i>					
1. Pharmaceutical and medicine manufacturing	14,080	\$28.40	\$59,060		
2. Scientific research and development services	13,400	30.69	63,830		
3. Architectural and engineering services	11,620	21.52	44,760		
4. Federal government (OES designation)	5,670	37.33	77,650		
5. Basic chemical manufacturing	4,100	29.07	60,460		
<i>Top paying industries for this occupation</i>					
1. Oil and gas extraction	230	43.97	91,450		
2. Electronic markets and agents and brokers	310	40.96	85,200		
3. Federal government (OES designation)	5,670	37.33	77,650		
4. Computer systems design and related services	160	34.68	72,130		
5. Management of companies and enterprises	3,590	33.74	70,190		

State	Employment	Hourly mean wage	Annual mean wage	Percent of State employment
<i>States with the highest concentration of workers in this occupation²</i>				
1. Delaware	1,150	\$29.84	\$62,070	0.29
2. New Jersey	6,260	32.23	67,030	0.16
3. Maryland	2,790	35.64	74,140	0.11
4. Connecticut	1,850	30.17	62,760	0.11
5. Massachusetts	3,500	31.81	66,170	0.11
<i>Top paying States for this occupation</i>				
1. New Mexico	590	38.66	80,420	0.08
2. District of Columbia	460	38.52	80,130	0.08
3. Maryland	2,790	35.64	74,140	0.11
4. New Jersey	6,260	32.23	67,030	0.16
5. Massachusetts	3,500	31.81	66,170	0.11

MSA	Employment	Hourly mean wage	Annual mean wage	Percent of MSA employment
<i>MSAs with the highest concentration of workers in this occupation³</i>				
1. Wilmington-Newark, DE-MD PMSA	1,110	\$30.16	\$62,730	0.37
2. Raleigh-Durham-Chapel Hill, NC MSA	2,380	30.72	63,910	0.36
3. Middlesex-Somerset-Hunterdon, NJ PMSA	2,230	30.92	64,310	0.36
4. Appleton-Oshkosh-Neenah, WI MSA	460	30.73	63,930	0.23
5. Boulder-Longmont, CO PMSA	360	34.64	72,060	0.23
<i>Top paying MSAs for this occupation</i>				
1. Washington, DC-MD-VA-WV PMSA	2,590	40.23	83,680	0.10
2. Corpus Christi, TX MSA	110	37.86	78,760	0.07
3. Tulsa, OK MSA	180	36.33	75,570	0.05
4. Johnson City-Kingsport-Bristol, TN-VA MSA	-	35.77	74,400	0.00
5. Danbury, CT PMSA	60	35.49	73,830	0.07

See footnotes at end of table.

Table 3. Employment and Wages for Selected Occupations by Industry, State, and MSA, May 2003—Continued

19-2041 Environmental scientists and specialists, including health

Conduct research or perform investigation for the purpose of identifying, abating, or eliminating sources of pollutants or hazards that affect either the environment or the health of the population. Utilizing knowledge of various scientific disciplines may collect, synthesize, study, report, and take action based on data derived from measurements or observations of air, food, soil, water, and other sources.

Industry	Employment	Hourly mean wage	Annual mean wage		
<i>Top industries by employment for this occupation¹</i>					
1. State government (OES designation)	17,530	\$22.54	\$46,880		
2. Local government (OES designation)	9,650	23.59	49,070		
3. Architectural and engineering services	9,290	24.27	50,480		
4. Management and technical consulting services	8,810	27.08	56,330		
5. Federal government (OES designation)	5,320	33.22	69,100		
<i>Top paying industries for this occupation</i>					
1. Agricultural chemical manufacturing	210	36.67	76,280		
2. Oil and gas extraction	150	36.22	75,330		
3. Petroleum merchant wholesalers	40	35.50	73,830		
4. Management of companies and enterprises	430	34.73	72,240		
5. Petroleum and coal products manufacturing	160	33.24	69,130		

State	Employment	Hourly mean wage	Annual mean wage	Percent of State employment
<i>States with the highest concentration of workers in this occupation²</i>				
1. Alaska	560	\$26.04	\$54,160	0.19
2. District of Columbia	970	37.58	78,170	0.16
3. New Mexico	1,020	23.64	49,160	0.14
4. Washington	2,900	28.78	59,860	0.11
5. Nebraska	920	17.97	37,390	0.11
<i>Top paying States for this occupation</i>				
1. District of Columbia	970	37.58	78,170	0.16
2. California	7,580	30.10	62,610	0.05
3. Washington	2,900	28.78	59,860	0.11
4. Massachusetts	1,850	28.41	59,100	0.06
5. Connecticut	620	28.28	58,810	0.04

MSA	Employment	Hourly mean wage	Annual mean wage	Percent of MSA employment
<i>MSAs with the highest concentration of workers in this occupation³</i>				
1. Olympia, WA PMSA	470	\$24.59	\$51,140	0.56
2. Richland-Kennewick-Pasco, WA MSA	390	34.40	71,550	0.49
3. Tallahassee, FL MSA	620	21.81	45,370	0.40
4. Santa Fe, NM MSA	220	24.68	51,340	0.30
5. Topeka, KS MSA	200	22.39	46,570	0.21
<i>Top paying MSAs for this occupation</i>				
1. Ventura, CA PMSA	240	39.49	82,150	0.08
2. Jersey City, NJ PMSA	40	37.71	78,440	0.02
3. Naples, FL MSA	40	37.52	78,040	0.04
4. Orange County, CA PMSA	810	36.32	75,550	0.06
5. San Francisco, CA PMSA	650	34.66	72,100	0.07

See footnotes at end of table.

Table 3. Employment and Wages for Selected Occupations by Industry, States, and MSA, May 2003—Continued

19-3021 Market research analysts

Research market conditions in local, regional, or national areas to determine potential sales of a product or service. May gather information on competitors, prices, sales, and methods of marketing and distribution. May use survey results to create a marketing campaign based on regional preferences and buying habits.

Industry	Employment	Hourly mean wage	Annual mean wage
<i>Top industries by employment for this occupation¹</i>			
1. Management and technical consulting services	11,440	\$29.52	\$61,400
2. Management of companies and enterprises	10,400	29.33	61,000
3. Other professional and technical services	8,180	28.45	59,180
4. Insurance carriers	7,230	25.03	52,050
5. Computer systems design and related services	5,150	29.50	61,360
<i>Top paying industries for this occupation</i>			
1. Computer and peripheral equipment mfg.	2,480	42.83	89,100
2. Metal and mineral merchant wholesalers	60	39.75	82,680
3. Telecommunications resellers	820	38.80	80,700
4. Household appliance manufacturing	370	38.51	80,090
5. Aerospace product and parts manufacturing	520	38.08	79,210

State	Employment	Hourly mean wage	Annual mean wage	Percent of State employment
<i>States with the highest concentration of workers in this occupation²</i>				
1. Massachusetts	7,620	\$31.31	\$65,120	0.24
2. Minnesota	5,170	30.11	62,640	0.20
3. Washington	4,950	36.10	75,080	0.19
4. District of Columbia	1,140	33.61	69,910	0.19
5. Virginia	6,050	33.19	69,020	0.18
<i>Top paying States for this occupation</i>				
1. Alaska	60	39.80	82,780	0.02
2. North Carolina	3,020	36.60	76,130	0.08
3. Washington	4,950	36.10	75,080	0.19
4. Connecticut	2,750	35.76	74,370	0.17
5. Oregon	1,560	35.46	73,760	0.10

MSA	Employment	Hourly mean wage	Annual mean wage	Percent of MSA employment
<i>MSAs with the highest concentration of workers in this occupation³</i>				
1. Stamford-Norwalk, CT PMSA	860	\$39.76	\$82,710	0.43
2. San Jose, CA PMSA	3,000	38.81	80,730	0.34
3. Boston, MA-NH PMSA	6,410	31.84	66,240	0.33
4. Seattle-Bellevue-Everett, WA PMSA	4,080	37.70	78,420	0.31
5. Madison, WI MSA	860	26.61	55,340	0.31
<i>Top paying MSAs for this occupation</i>				
1. Charlotte-Gastonia-Rock Hill, NC-SC MSA	980	49.15	102,240	0.12
2. Anchorage, AK MSA	-	42.59	88,590	0.00
3. Fort Collins-Loveland, CO MSA	110	40.41	84,050	0.09
4. Stamford-Norwalk, CT PMSA	860	39.76	82,710	0.43
5. San Jose, CA PMSA	3,000	38.81	80,730	0.34

See footnotes at end of table.

Table 3. Employment and Wages for Selected Occupations by Industry, State, and MSA, May 2003—Continued

19-3031 Clinical, counseling, and school psychologists

Diagnose and treat mental disorders; learning disabilities; and cognitive, behavioral, and emotional problems using individual, child, family, and group therapies. May design and implement behavior modification programs.

Industry	Employment	Hourly mean wage	Annual mean wage		
<i>Top industries by employment for this occupation¹</i>					
1. Elementary and secondary schools	38,740	\$27.79	\$57,790		
2. Offices of other health practitioners	12,080	37.70	78,410		
3. Individual and family services	7,560	22.21	46,200		
4. Offices of physicians	5,710	26.23	54,570		
5. Outpatient care centers	5,310	24.03	49,980		
<i>Top paying industries for this occupation</i>					
1. Management and technical consulting services	-	73.18	152,220		
2. Offices of other health practitioners	12,080	37.70	78,410		
3. Psychiatric and substance abuse hospitals	4,340	30.26	62,950		
4. Child day care services	190	29.21	60,760		
5. General medical and surgical hospitals	5,070	28.84	59,990		

State	Employment	Hourly mean wage	Annual mean wage	Percent of State employment
<i>States with the highest concentration of workers in this occupation²</i>				
1. Rhode Island	680	\$34.72	\$72,220	0.14
2. Connecticut	2,170	29.11	60,550	0.13
3. Delaware	530	24.75	51,480	0.13
4. Maryland	3,100	23.83	49,560	0.13
5. Massachusetts	4,020	24.02	49,960	0.13
<i>Top paying States for this occupation</i>				
1. Rhode Island	680	34.72	72,220	0.14
2. New Jersey	3,500	34.01	70,750	0.09
3. California	12,330	33.78	70,250	0.09
4. New York	10,040	32.74	68,100	0.12
5. Maine	430	31.31	65,130	0.07

MSA	Employment	Hourly mean wage	Annual mean wage	Percent of MSA employment
<i>MSAs with the highest concentration of workers in this occupation³</i>				
1. Pittsfield, MA MSA	130	\$22.21	\$46,200	0.31
2. Kankakee, IL PMSA	110	21.81	45,360	0.26
3. Dutchess County, NY PMSA	290	27.25	56,680	0.26
4. Pueblo, CO MSA	130	24.40	50,750	0.24
5. Bangor, ME MSA	110	23.42	48,720	0.19
<i>Top paying MSAs for this occupation</i>				
1. Salinas, CA MSA	170	55.13	114,680	0.11
2. Ann Arbor, MI PMSA	320	48.96	101,840	0.12
3. Huntsville, AL MSA	60	47.17	98,120	0.03
4. Tyler, TX MSA	30	41.42	86,160	0.04
5. Saginaw-Bay City-Midland, MI MSA	90	41.31	85,920	0.05

See footnotes at end of table.

Table 3. Employment and Wages for Selected Occupations by Industry, States, and MSA, May 2003—Continued

19-4031 Chemical technicians

Conduct chemical and physical laboratory tests to assist scientists in making qualitative and quantitative analyses of solids, liquids, and gaseous materials for purposes, such as research and development of new products or processes, quality control, maintenance of environmental standards, and other work involving experimental, theoretical, or practical application of chemistry and related sciences.

Industry	Employment	Hourly mean wage	Annual mean wage
<i>Top industries by employment for this occupation¹</i>			
1. Architectural and engineering services	9,640	\$13.57	\$28,230
2. Basic chemical manufacturing	6,680	21.11	43,910
3. Scientific research and development services	6,430	19.78	41,130
4. Pharmaceutical and medicine manufacturing	5,070	19.02	39,570
5. Resin, rubber, and artificial fibers mfg.	4,420	21.67	45,070
<i>Top paying industries for this occupation</i>			
1. Natural gas distribution	60	27.68	57,580
2. Federal government (OES designation)	110	27.38	56,940
3. Power generation and supply	1,080	26.63	55,400
4. Pipeline transportation of natural gas	-	25.91	53,880
5. Aerospace product and parts manufacturing	720	25.57	53,180

State	Employment	Hourly mean wage	Annual mean wage	Percent of State employment
<i>States with the highest concentration of workers in this occupation²</i>				
1. West Virginia	1,030	\$19.68	\$40,930	0.15
2. New Jersey	4,720	20.26	42,140	0.12
3. Louisiana	2,240	22.12	46,010	0.12
4. Wyoming	230	14.87	30,920	0.10
5. South Carolina	1,390	17.05	35,470	0.08
<i>Top paying States for this occupation</i>				
1. Hawaii	50	23.64	49,170	0.01
2. Louisiana	2,240	22.12	46,010	0.12
3. New Mexico	390	21.00	43,680	0.05
4. Washington	1,220	20.88	43,430	0.05
5. North Dakota	140	20.60	42,850	0.05

MSA	Employment	Hourly mean wage	Annual mean wage	Percent of MSA employment
<i>MSAs with the highest concentration of workers in this occupation³</i>				
1. Galveston-Texas City, TX PMSA	250	\$21.55	\$44,830	0.29
2. Charleston, WV MSA	330	16.07	33,440	0.26
3. Baton Rouge, LA MSA	750	22.28	46,340	0.25
4. Beaumont-Port Arthur, TX MSA	380	25.80	53,670	0.25
5. Middlesex-Somerset-Hunterdon, NJ PMSA	1,390	20.71	43,080	0.22
<i>Top paying MSAs for this occupation</i>				
1. Houma, LA MSA	70	26.64	55,400	0.09
2. Bakersfield, CA MSA	50	26.38	54,870	0.02
3. Beaumont-Port Arthur, TX MSA	380	25.80	53,670	0.25
4. Wheeling, WV-OH MSA	110	25.23	52,470	0.18
5. Corpus Christi, TX MSA	150	23.10	48,050	0.10

See footnotes at end of table.

Table 3. Employment and Wages for Selected Occupations by Industry, State, and MSA, May 2003—Continued

21-1012 Educational, vocational, and school counselors

Counsel individuals and provide group educational and vocational guidance services.

Industry	Employment	Hourly mean wage	Annual mean wage	
<i>Top industries by employment for this occupation¹</i>				
1. Elementary and secondary schools	129,270	\$25.13	\$52,260	
2. Colleges and universities	26,110	19.65	40,860	
3. Junior colleges	12,680	22.88	47,600	
4. Vocational rehabilitation services	11,070	13.68	28,460	
5. State government (OES designation)	6,580	21.44	44,600	
<i>Top paying industries for this occupation</i>				
1. Management and technical consulting services	-	34.33	71,410	
2. Federal government (OES designation)	800	27.42	57,040	
3. Elementary and secondary schools	129,270	25.13	52,260	
4. Junior colleges	12,680	22.88	47,600	
5. Scientific research and development services	70	22.25	46,280	

State	Employment	Hourly mean wage	Annual mean wage	Percent of State employment
<i>States with the highest concentration of workers in this occupation²</i>				
1. Louisiana	6,270	\$19.98	\$41,560	0.34
2. Florida	19,810	22.17	46,110	0.28
3. Vermont	770	20.01	41,620	0.27
4. South Carolina	3,840	18.62	38,730	0.22
5. Oklahoma	3,090	17.39	36,170	0.22
<i>Top paying States for this occupation</i>				
1. New Jersey	5,820	29.42	61,190	0.15
2. New York	14,630	28.92	60,160	0.18
3. Michigan	5,910	26.16	54,410	0.14
4. California	22,320	25.20	52,410	0.15
5. Connecticut	3,190	24.84	51,670	0.19

MSA	Employment	Hourly mean wage	Annual mean wage	Percent of MSA employment
<i>MSAs with the highest concentration of workers in this occupation³</i>				
1. Baton Rouge, LA MSA	1,370	\$22.48	\$46,750	0.46
2. Brownsville-Harlingen-San Benito, TX MSA	450	21.87	45,480	0.40
3. New Orleans, LA MSA	2,240	19.09	39,710	0.37
4. Yuba City, CA MSA	140	20.07	41,740	0.37
5. Chico-Paradise, CA MSA	260	21.12	43,940	0.37
<i>Top paying MSAs for this occupation</i>				
1. New York, NY PMSA	7,070	34.16	71,060	0.18
2. Jersey City, NJ PMSA	410	32.75	68,110	0.17
3. Saginaw-Bay City-Midland, MI MSA	360	32.12	66,810	0.21
4. Fresno, CA MSA	690	31.30	65,100	0.20
5. Newark, NJ PMSA	1,570	30.38	63,200	0.16

See footnotes at end of table.

Table 3. Employment and Wages for Selected Occupations by Industry, States, and MSA, May 2003—Continued

21-1015 Rehabilitation counselors

Counsel individuals to maximize the independence and employability of persons coping with personal, social, and vocational difficulties that result from birth defects, illness, disease, accidents, or the stress of daily life. Coordinate activities for residents of care and treatment facilities. Assess client needs and design and implement rehabilitation programs that may include personal and vocational counseling, training, and job placement.

Industry	Employment	Hourly mean wage	Annual mean wage		
<i>Top industries by employment for this occupation¹</i>					
1. Vocational rehabilitation services	25,020	\$13.46	\$27,990		
2. Residential mental health facilities	24,100	11.52	23,970		
3. Individual and family services	16,690	13.34	27,740		
4. State government (OES designation)	15,300	18.63	38,750		
5. Local government (OES designation)	5,680	16.96	35,280		
<i>Top paying industries for this occupation</i>					
1. Insurance agencies, brokerages, and related	-	25.78	53,630		
2. Elementary and secondary schools	770	19.38	40,300		
3. Management and technical consulting services	90	19.29	40,130		
4. General medical and surgical hospitals	2,080	18.92	39,360		
5. State government (OES designation)	15,300	18.63	38,750		

State	Employment	Hourly mean wage	Annual mean wage	Percent of State employment
<i>States with the highest concentration of workers in this occupation²</i>				
1. Washington	10,820	\$14.38	\$29,910	0.42
2. Connecticut	4,200	16.22	33,730	0.26
3. Maine	1,170	11.16	23,210	0.20
4. New Mexico	1,370	10.65	22,150	0.19
5. New Jersey	6,810	11.94	24,840	0.18
<i>Top paying States for this occupation</i>				
1. Hawaii	260	20.83	43,330	0.05
2. Ohio	2,790	19.33	40,210	0.05
3. Michigan	1,030	18.51	38,500	0.02
4. Vermont	390	17.60	36,610	0.13
5. Arkansas	680	17.36	36,120	0.06

MSA	Employment	Hourly mean wage	Annual mean wage	Percent of MSA employment
<i>MSAs with the highest concentration of workers in this occupation³</i>				
1. Tacoma, WA PMSA	1,910	\$14.87	\$30,940	0.81
2. Yakima, WA MSA	590	14.22	29,580	0.77
3. Spokane, WA MSA	1,360	14.62	30,410	0.72
4. Goldsboro, NC MSA	250	10.15	21,110	0.61
5. Olympia, WA PMSA	400	14.01	29,140	0.47
<i>Top paying MSAs for this occupation</i>				
1. Akron, OH PMSA	130	23.07	47,990	0.04
2. Detroit, MI PMSA	520	22.33	46,460	0.03
3. Ventura, CA PMSA	70	22.12	46,000	0.02
4. Cleveland-Lorain-Elyria, OH PMSA	410	21.24	44,180	0.04
5. Colorado Springs, CO MSA	60	20.87	43,400	0.03

See footnotes at end of table.

Table 3. Employment and Wages for Selected Occupations by Industry, State, and MSA, May 2003—Continued

21-1021 Child, family, and school social workers

Provide social services and assistance to improve the social and psychological functioning of children and their families and to maximize the family well-being and the academic functioning of children. May assist single parents, arrange adoptions, and find foster homes for abandoned or abused children. In schools, they address such problems as teenage pregnancy, misbehavior, and truancy. May also advise teachers on how to deal with problem children.

Industry	Employment	Hourly mean wage	Annual mean wage	
<i>Top industries by employment for this occupation¹</i>				
1. State government (OES designation)	57,740	\$17.80	\$37,030	
2. Local government (OES designation)	51,020	19.59	40,740	
3. Individual and family services	45,090	14.83	30,850	
4. Elementary and secondary schools	34,500	22.92	47,670	
5. Other residential care facilities	10,750	14.65	30,460	
<i>Top paying industries for this occupation</i>				
1. Elementary and secondary schools	34,500	22.92	47,670	
2. Offices of other health practitioners	1,300	20.23	42,070	
3. Junior colleges	730	20.16	41,930	
4. Educational support services	280	20.01	41,630	
5. Legal services	140	19.88	41,360	

State	Employment	Hourly mean wage	Annual mean wage	Percent of State employment
<i>States with the highest concentration of workers in this occupation²</i>				
1. Rhode Island	2,480	\$20.41	\$42,440	0.52
2. Delaware	1,640	17.73	36,870	0.41
3. West Virginia	2,590	12.21	25,400	0.38
4. Oklahoma	5,250	13.65	28,400	0.37
5. Vermont	1,060	16.72	34,780	0.37
<i>Top paying States for this occupation</i>				
1. Connecticut	4,740	23.58	49,050	0.29
2. New Jersey	7,990	22.25	46,280	0.21
3. New York	20,220	21.80	45,340	0.25
4. Hawaii	1,390	21.70	45,140	0.25
5. Nevada	1,150	21.26	44,210	0.11

MSA	Employment	Hourly mean wage	Annual mean wage	Percent of MSA employment
<i>MSAs with the highest concentration of workers in this occupation³</i>				
1. Enid, OK MSA	130	\$13.17	\$27,400	0.65
2. Wheeling, WV-OH MSA	360	14.04	29,210	0.59
3. Dover, DE MSA	310	17.80	37,030	0.59
4. Bangor, ME MSA	300	14.50	30,160	0.53
5. Providence-Fall River-Warwick, RI-MA MSA	2,750	20.47	42,580	0.53
<i>Top paying MSAs for this occupation</i>				
1. Danbury, CT PMSA	150	25.10	52,200	0.17
2. Vallejo-Fairfield-Napa, CA PMSA	180	25.00	52,000	0.10
3. San Luis Obispo-Atascadero-Paso Robles, CA MSA	160	24.31	50,570	0.16
4. Monmouth-Ocean, NJ PMSA	860	24.26	50,450	0.22
5. Hartford, CT MSA	1,960	24.00	49,910	0.33

See footnotes at end of table.

Table 3. Employment and Wages for Selected Occupations by Industry, States, and MSA, May 2003—Continued

21-1022 Medical and public health social workers

Provide persons, families, or vulnerable populations with the psychosocial support needed to cope with chronic, acute, or terminal illnesses, such as Alzheimer's, cancer, or AIDS. Services include advising family care givers, providing patient education and counseling, and making necessary referrals for other social services.

Industry	Employment	Hourly mean wage	Annual mean wage
<i>Top industries by employment for this occupation¹</i>			
1. General medical and surgical hospitals	29,780	\$21.25	\$44,190
2. Local government (OES designation)	10,770	19.03	39,590
3. Nursing care facilities	10,040	17.03	35,420
4. Individual and family services	9,140	16.00	33,280
5. Home health care services	7,440	21.09	43,860
<i>Top paying industries for this occupation</i>			
1. Insurance carriers	700	23.68	49,250
2. Insurance agencies, brokerages, and related	70	22.73	47,290
3. Medical and diagnostic laboratories	-	22.60	47,010
4. Psychiatric and substance abuse hospitals	2,140	21.44	44,590
5. General medical and surgical hospitals	29,780	21.25	44,190

State	Employment	Hourly mean wage	Annual mean wage	Percent of State employment
<i>States with the highest concentration of workers in this occupation²</i>				
1. South Dakota	690	\$15.93	\$33,130	0.20
2. Massachusetts	5,070	20.16	41,940	0.16
3. North Dakota	440	15.72	32,700	0.14
4. Alabama	2,480	15.43	32,090	0.14
5. Nebraska	1,180	14.16	29,450	0.14
<i>Top paying States for this occupation</i>				
1. District of Columbia	780	23.82	49,530	0.13
2. Nevada	530	22.79	47,400	0.05
3. California	9,240	22.76	47,350	0.06
4. Connecticut	1,640	22.46	46,720	0.10
5. New Jersey	3,420	22.42	46,640	0.09

MSA	Employment	Hourly mean wage	Annual mean wage	Percent of MSA employment
<i>MSAs with the highest concentration of workers in this occupation³</i>				
1. Barnstable-Yarmouth, MA MSA	210	\$21.78	\$45,310	0.32
2. Sioux Falls, SD MSA	310	18.04	37,530	0.28
3. Lowell, MA-NH PMSA	320	15.96	33,200	0.26
4. Bismarck, ND MSA	100	17.41	36,220	0.20
5. Waterbury, CT PMSA	170	16.78	34,900	0.20
<i>Top paying MSAs for this occupation</i>				
1. Vallejo-Fairfield-Napa, CA PMSA	290	26.52	55,160	0.16
2. Stamford-Norwalk, CT PMSA	110	25.95	53,980	0.06
3. San Jose, CA PMSA	370	25.80	53,660	0.04
4. San Francisco, CA PMSA	450	25.44	52,910	0.05
5. Visalia-Tulare-Porterville, CA MSA	90	25.34	52,710	0.07

See footnotes at end of table.

Table 3. Employment and Wages for Selected Occupations by Industry, State, and MSA, May 2003—Continued

21-1093 Social and human service assistants

Assist professionals from a wide variety of fields, such as psychology, rehabilitation, or social work, to provide client services, as well as support for families. May assist clients in identifying available benefits and social and community services and help clients obtain them. May assist social workers with developing, organizing, and conducting programs to prevent and resolve problems relevant to substance abuse, human relationships, rehabilitation, or adult daycare.

Industry	Employment	Hourly mean wage	Annual mean wage		
<i>Top industries by employment for this occupation¹</i>					
1. Individual and family services	56,570	\$11.30	\$23,510		
2. Local government (OES designation)	46,260	13.64	28,370		
3. State government (OES designation)	32,320	15.48	32,190		
4. Residential mental health facilities	31,170	10.34	21,500		
5. Emergency and other relief services	17,240	10.85	22,570		
<i>Top paying industries for this occupation</i>					
1. Management and technical consulting services	-	23.72	49,330		
2. Commercial equip. merchant wholesalers	-	23.07	47,980		
3. Insurance carriers	-	20.81	43,280		
4. Federal government (OES designation)	1,020	15.75	32,770		
5. State government (OES designation)	32,320	15.48	32,190		

State	Employment	Hourly mean wage	Annual mean wage	Percent of State employment
<i>States with the highest concentration of workers in this occupation²</i>				
1. Vermont	2,660	\$12.52	\$26,040	0.92
2. Maine	3,270	11.30	23,500	0.56
3. Wyoming	1,250	9.56	19,890	0.52
4. Minnesota	13,120	12.35	25,690	0.51
5. Rhode Island	2,330	12.36	25,710	0.49
<i>Top paying States for this occupation</i>				
1. District of Columbia	1,970	17.97	37,380	0.33
2. Connecticut	7,610	16.31	33,930	0.46
3. Alaska	1,170	14.40	29,950	0.40
4. Massachusetts	11,750	13.95	29,020	0.37
5. California	27,320	13.92	28,950	0.19

MSA	Employment	Hourly mean wage	Annual mean wage	Percent of MSA employment
<i>MSAs with the highest concentration of workers in this occupation³</i>				
1. Wheeling, WV-OH MSA	490	\$8.35	\$17,370	0.81
2. Baltimore, MD PMSA	9,310	10.93	22,730	0.76
3. Lewiston-Auburn, ME MSA	340	12.11	25,190	0.73
4. Fitchburg-Leominster, MA PMSA	370	13.01	27,070	0.71
5. Yuba City, CA MSA	260	14.76	30,700	0.69
<i>Top paying MSAs for this occupation</i>				
1. Hartford, CT MSA	2,770	16.94	35,230	0.46
2. Reno, NV MSA	100	16.91	35,170	0.05
3. New London-Norwich, CT-RI MSA	650	16.54	34,410	0.45
4. Washington, DC-MD-VA-WV PMSA	4,340	16.34	33,980	0.16
5. San Jose, CA PMSA	900	16.24	33,770	0.10

See footnotes at end of table.

Table 3. Employment and Wages for Selected Occupations by Industry, States, and MSA, May 2003—Continued

23-1011 Lawyers

Represent clients in criminal and civil litigation and other legal proceedings, draw up legal documents, and manage or advise clients on legal transactions. May specialize in a single area or may practice broadly in many areas of law.

Industry	Employment	Hourly mean wage	Annual mean wage	
<i>Top industries by employment for this occupation¹</i>				
1. Legal services	346,500	\$54.77	\$113,920	
2. Local government (OES designation)	46,870	36.42	75,760	
3. State government (OES designation)	33,310	33.86	70,430	
4. Federal government (OES designation)	24,030	48.76	101,420	
5. Management of companies and enterprises	10,480	66.77	138,880	
<i>Top paying industries for this occupation</i>				
1. Agents and managers for public figures	40	85.36	177,540	
2. Petroleum and coal products manufacturing	290	84.52	175,800	
3. Computer systems design and related services	-	81.20	168,900	
4. Other information services	40	80.23	166,870	
5. Facilities support services	-	76.53	159,190	

State	Employment	Hourly mean wage	Annual mean wage	Percent of State employment
<i>States with the highest concentration of workers in this occupation²</i>				
1. District of Columbia	23,570	\$58.97	\$122,650	3.97
2. New York	61,660	60.12	125,040	0.75
3. Massachusetts	18,560	52.47	109,140	0.59
4. New Jersey	18,380	52.68	109,570	0.48
5. Maryland	10,960	41.83	87,020	0.45
<i>Top paying States for this occupation</i>				
1. California	58,450	62.06	129,080	0.40
2. New York	61,660	60.12	125,040	0.75
3. Missouri	10,240	59.50	123,750	0.39
4. Utah	3,250	59.42	123,600	0.31
5. District of Columbia	23,570	58.97	122,650	3.97

MSA	Employment	Hourly mean wage	Annual mean wage	Percent of MSA employment
<i>MSAs with the highest concentration of workers in this occupation³</i>				
1. Washington, DC-MD-VA-WV PMSA	34,600	\$55.57	\$115,590	1.28
2. Tallahassee, FL MSA	1,850	40.77	84,810	1.18
3. New York, NY PMSA	44,720	65.76	136,790	1.13
4. San Francisco, CA PMSA	9,820	70.45	146,540	1.01
5. Trenton, NJ PMSA	1,860	47.62	99,060	0.89
<i>Top paying MSAs for this occupation</i>				
1. San Jose, CA PMSA	3,770	74.67	155,310	0.43
2. Laredo, TX MSA	90	73.79	153,480	0.12
3. Danbury, CT PMSA	260	73.31	152,480	0.29
4. San Francisco, CA PMSA	9,820	70.45	146,540	1.01
5. Naples, FL MSA	450	69.88	145,350	0.40

See footnotes at end of table.

Table 3. Employment and Wages for Selected Occupations by Industry, State, and MSA, May 2003—Continued

23-1023 Judges, magistrate judges, and magistrates

Arbitrate, advise, adjudicate, or administer justice in a court of law. May sentence defendant in criminal cases according to government statutes. May determine liability of defendant in civil cases. May issue marriage licenses and perform wedding ceremonies.

Industry	Employment	Hourly mean wage	Annual mean wage	
<i>Top industries by employment for this occupation¹</i>				
1. Local government (OES designation)	12,530	\$32.86	\$68,350	
2. State government (OES designation)	12,120	51.63	107,380	
3.				
4.				
5.				
<i>Top paying industries for this occupation</i>				
1. State government (OES designation)	12,120	51.63	107,380	
2. Local government (OES designation)	12,530	32.86	68,350	
3.				
4.				
5.				

State	Employment	Hourly mean wage	Annual mean wage	Percent of State employment
<i>States with the highest concentration of workers in this occupation²</i>				
1. West Virginia	370	\$24.88	\$51,760	0.05
2. Mississippi	560	24.96	51,910	0.05
3. Wyoming	100	34.86	72,510	0.04
4. Alaska	120	41.08	85,450	0.04
5. South Carolina	670	26.13	54,360	0.04
<i>Top paying States for this occupation</i>				
1. Rhode Island	90	75.45	156,940	0.02
2. California	1,560	64.09	133,300	0.01
3. Illinois	1,010	60.05	124,900	0.02
4. New Jersey	900	56.27	117,040	0.02
5. Maryland	280	55.60	115,640	0.01

MSA	Employment	Hourly mean wage	Annual mean wage	Percent of MSA employment
<i>MSAs with the highest concentration of workers in this occupation³</i>				
1. Elmira, NY MSA	50	\$48.87	\$101,640	0.13
2. Binghamton, NY MSA	100	43.96	91,450	0.09
3. Glens Falls, NY MSA	40	42.08	87,520	0.08
4. Utica-Rome, NY MSA	90	43.35	90,180	0.07
5. Dutchess County, NY PMSA	70	45.84	95,350	0.06
<i>Top paying MSAs for this occupation</i>				
1. Sacramento, CA PMSA	130	69.41	144,370	0.02
2. Nassau-Suffolk, NY PMSA	170	62.75	130,530	0.01
3. New York, NY PMSA	390	60.11	125,020	0.01
4. St. Louis, MO-IL MSA	110	60.00	124,790	0.01
5. Middlesex-Somerset-Hunterdon, NJ PMSA	130	59.70	124,190	0.02

See footnotes at end of table.

Table 3. Employment and Wages for Selected Occupations by Industry, States, and MSA, May 2003—Continued

23-2011 Paralegals and legal assistants

Assist lawyers by researching legal precedent, investigating facts, or preparing legal documents. Conduct research to support a legal proceeding, to formulate a defense, or to initiate legal action.

Industry	Employment	Hourly mean wage	Annual mean wage	
<i>Top industries by employment for this occupation¹</i>				
1. Legal services	152,830	\$18.99	\$39,490	
2. Local government (OES designation)	11,280	18.66	38,810	
3. State government (OES designation)	7,860	18.36	38,200	
4. Federal government (OES designation)	5,720	26.88	55,910	
5. Management of companies and enterprises	4,510	23.18	48,200	
<i>Top paying industries for this occupation</i>				
1. Wireless telecommunications carriers	150	33.79	70,280	
2. Aerospace product and parts manufacturing	70	31.88	66,320	
3. ISPs and web search portals	40	28.93	60,170	
4. Semiconductor and electronic component mfg.	90	28.81	59,930	
5. Power generation and supply	170	28.62	59,520	

State	Employment	Hourly mean wage	Annual mean wage	Percent of State employment
<i>States with the highest concentration of workers in this occupation²</i>				
1. Delaware	1,190	\$17.05	\$35,460	0.30
2. West Virginia	2,000	13.81	28,720	0.29
3. Connecticut	4,510	21.25	44,200	0.28
4. New York	20,390	21.55	44,820	0.25
5. Alaska	710	19.64	40,850	0.24
<i>Top paying States for this occupation</i>				
1. California	25,580	25.00	52,000	0.18
2. New Jersey	4,940	21.86	45,470	0.13
3. New York	20,390	21.55	44,820	0.25
4. Connecticut	4,510	21.25	44,200	0.28
5. Washington	5,250	20.57	42,790	0.21

MSA	Employment	Hourly mean wage	Annual mean wage	Percent of MSA employment
<i>MSAs with the highest concentration of workers in this occupation³</i>				
1. Fort Lauderdale, FL PMSA	3,610	\$16.52	\$34,350	0.52
2. Stamford-Norwalk, CT PMSA	1,000	22.95	47,740	0.50
3. Charleston, WV MSA	610	14.37	29,900	0.48
4. Jackson, MS MSA	960	13.93	28,970	0.46
5. Greenville, NC MSA	290	13.94	28,990	0.45
<i>Top paying MSAs for this occupation</i>				
1. San Jose, CA PMSA	1,990	27.78	57,790	0.23
2. Orange County, CA PMSA	-	27.78	57,790	0.00
3. San Francisco, CA PMSA	3,040	26.74	55,630	0.31
4. Oakland, CA PMSA	1,120	26.28	54,670	0.11
5. Monmouth-Ocean, NJ PMSA	290	24.76	51,510	0.07

See footnotes at end of table.

Table 3. Employment and Wages for Selected Occupations by Industry, State, and MSA, May 2003—Continued

23-2092 Law clerks

Assist lawyers or judges by researching or preparing legal documents. May meet with clients or assist lawyers and judges in court.

Industry	Employment	Hourly mean wage	Annual mean wage	
<i>Top industries by employment for this occupation¹</i>				
1. Legal services	18,620	\$14.18	\$29,490	
2. Local government (OES designation)	9,190	15.35	31,930	
3. Federal government (OES designation)	8,640	18.75	39,000	
4. State government (OES designation)	3,390	19.03	39,580	
5. Management of companies and enterprises	210	18.70	38,900	
<i>Top paying industries for this occupation</i>				
1. Management and technical consulting services	40	20.28	42,180	
2. State government (OES designation)	3,390	19.03	39,580	
3. Federal government (OES designation)	8,640	18.75	39,000	
4. Management of companies and enterprises	210	18.70	38,900	
5. Nondepository credit intermediation	-	18.25	37,960	

State	Employment	Hourly mean wage	Annual mean wage	Percent of State employment
<i>States with the highest concentration of workers in this occupation²</i>				
1. District of Columbia	1,130	\$20.20	\$42,010	0.19
2. Wyoming	230	16.44	34,190	0.10
3. South Carolina	1,540	11.80	24,550	0.09
4. Delaware	280	18.95	39,410	0.07
5. Louisiana	1,270	15.43	32,090	0.07
<i>Top paying States for this occupation</i>				
1. Minnesota	650	21.66	45,040	0.03
2. Alaska	140	20.82	43,310	0.05
3. Hawaii	120	20.72	43,090	0.02
4. Nevada	340	20.62	42,900	0.03
5. Rhode Island	80	20.51	42,660	0.02

MSA	Employment	Hourly mean wage	Annual mean wage	Percent of MSA employment
<i>MSAs with the highest concentration of workers in this occupation³</i>				
1. Columbia, SC MSA	600	\$12.97	\$26,970	0.21
2. Harrisburg-Lebanon-Carlisle, PA MSA	500	18.88	39,270	0.14
3. Dover, DE MSA	70	15.82	32,900	0.13
4. Baton Rouge, LA MSA	340	15.24	31,700	0.12
5. Tallahassee, FL MSA	170	15.69	32,640	0.11
<i>Top paying MSAs for this occupation</i>				
1. San Francisco, CA PMSA	650	23.28	48,430	0.07
2. Minneapolis-St. Paul, MN-WI MSA	510	22.44	46,680	0.03
3. Seattle-Bellevue-Everett, WA PMSA	200	22.23	46,240	0.02
4. Austin-San Marcos, TX MSA	240	22.12	46,010	0.04
5. Reno, NV MSA	50	21.87	45,490	0.03

See footnotes at end of table.

Table 3. Employment and Wages for Selected Occupations by Industry, States, and MSA, May 2003—Continued

23-2093 Title examiners, abstractors, and searchers

Search real estate records, examine titles, or summarize pertinent legal or insurance details for a variety of purposes. May compile lists of mortgages, contracts, and other instruments pertaining to titles by searching public and private records for law firms, real estate agencies, or title insurance companies.

Industry	Employment	Hourly mean wage	Annual mean wage		
<i>Top industries by employment for this occupation¹</i>					
1. Insurance carriers	18,340	\$19.05	\$39,620		
2. Legal services	18,080	16.12	33,530		
3. Activities related to real estate	2,080	22.25	46,280		
4. Local government (OES designation)	790	16.77	34,890		
5. Offices of real estate agents and brokers	770	16.09	33,470		
<i>Top paying industries for this occupation</i>					
1. Oil and gas extraction	550	27.61	57,430		
2. Power generation and supply	60	27.11	56,380		
3. Telecommunications resellers	-	26.67	55,480		
4. Support activities for mining	-	24.73	51,440		
5. Activities related to real estate	2,080	22.25	46,280		

State	Employment	Hourly mean wage	Annual mean wage	Percent of State employment
<i>States with the highest concentration of workers in this occupation²</i>				
1. Hawaii	540	\$20.00	\$41,590	0.10
2. Utah	930	22.53	46,850	0.09
3. Wyoming	210	13.07	27,190	0.09
4. Oregon	1,160	21.35	44,400	0.08
5. Montana	280	13.71	28,510	0.07
<i>Top paying States for this occupation</i>				
1. California	8,580	25.61	53,270	0.06
2. Colorado	-	22.87	47,560	0.00
3. Utah	930	22.53	46,850	0.09
4. Nevada	640	22.47	46,740	0.06
5. Oregon	1,160	21.35	44,400	0.08

MSA	Employment	Hourly mean wage	Annual mean wage	Percent of MSA employment
<i>MSAs with the highest concentration of workers in this occupation³</i>				
1. Ocala, FL MSA	100	\$17.29	\$35,960	0.12
2. Myrtle Beach, SC MSA	110	11.15	23,200	0.11
3. Salt Lake City-Ogden, UT MSA	740	23.20	48,260	0.11
4. Billings, MT MSA	70	15.78	32,830	0.10
5. Yakima, WA MSA	80	15.72	32,710	0.10
<i>Top paying MSAs for this occupation</i>				
1. Los Angeles-Long Beach, CA PMSA	-	29.28	60,890	0.00
2. Sacramento, CA PMSA	470	28.62	59,520	0.06
3. Memphis, TN-AR-MS MSA	70	27.72	57,660	0.01
4. Reno, NV MSA	200	26.81	55,770	0.10
5. San Francisco, CA PMSA	410	26.10	54,300	0.04

See footnotes at end of table.

Table 3. Employment and Wages for Selected Occupations by Industry, State, and MSA, May 2003—Continued

25-2011 Preschool teachers, except special education

Instruct children (normally up to 5 years of age) in activities designed to promote social, physical, and intellectual growth needed for primary school in preschool, day care center, or other child development facility. May be required to hold State certification.

Industry	Employment	Hourly mean wage	Annual mean wage	
<i>Top industries by employment for this occupation¹</i>				
1. Child day care services	263,500	\$9.58	\$19,930	
2. Elementary and secondary schools	54,700	15.21	31,640	
3. Individual and family services	13,370	10.79	22,440	
4. Civic and social organizations	5,480	10.30	21,420	
5. Local government (OES designation)	5,180	12.90	26,830	
<i>Top paying industries for this occupation</i>				
1. Business, computer and management training	200	16.47	34,260	
2. Educational support services	80	15.88	33,030	
3. Elementary and secondary schools	54,700	15.21	31,640	
4. Junior colleges	1,720	14.62	30,410	
5. Colleges and universities	2,130	14.15	29,440	

State	Employment	Hourly mean wage	Annual mean wage	Percent of State employment
<i>States with the highest concentration of workers in this occupation²</i>				
1. North Carolina	17,450	\$8.78	\$18,260	0.47
2. Massachusetts	13,970	11.89	24,740	0.44
3. Utah	4,460	9.15	19,030	0.43
4. Connecticut	6,770	12.26	25,500	0.41
5. New Hampshire	2,480	10.41	21,660	0.41
<i>Top paying States for this occupation</i>				
1. New Jersey	11,910	13.33	27,720	0.31
2. Rhode Island	1,360	12.93	26,890	0.29
3. New York	28,520	12.70	26,420	0.35
4. Alaska	870	12.32	25,620	0.30
5. Minnesota	6,240	12.30	25,590	0.24

MSA	Employment	Hourly mean wage	Annual mean wage	Percent of MSA employment
<i>MSAs with the highest concentration of workers in this occupation³</i>				
1. Great Falls, MT MSA	250	\$7.49	\$15,580	0.79
2. Auburn-Opelika, AL MSA	320	7.61	15,840	0.77
3. Goldsboro, NC MSA	310	7.52	15,650	0.75
4. Santa Cruz-Watsonville, CA PMSA	650	13.12	27,280	0.72
5. Greenville, NC MSA	450	8.54	17,770	0.70
<i>Top paying MSAs for this occupation</i>				
1. Hagerstown, MD PMSA	90	17.03	35,420	0.15
2. Appleton-Oshkosh-Neenah, WI MSA	760	15.44	32,110	0.39
3. New York, NY PMSA	13,030	15.26	31,750	0.33
4. Bergen-Passaic, NJ PMSA	2,460	15.24	31,700	0.39
5. McAllen-Edinburg-Mission, TX MSA	340	15.12	31,460	0.19

See footnotes at end of table.

Table 3. Employment and Wages for Selected Occupations by Industry, States, and MSA, May 2003—Continued

25-2021 Elementary school teachers, except special education

Teach pupils in public or private schools at the elementary level basic academic, social, and other formative skills.

Industry	Employment	Hourly mean wage	Annual mean wage	
<i>Top industries by employment for this occupation¹</i>				
1. Elementary and secondary schools	1,410,230	9,999.99	\$44,460	
2. Employment services	6,120	9,999.99	39,560	
3. Child day care services	4,460	9,999.99	29,080	
4. Religious organizations	3,230	9,999.99	36,630	
5. Educational support services	2,110	9,999.99	45,270	
<i>Top paying industries for this occupation</i>				
1. State government (OES designation)	120	9,999.99	55,770	
2. Business, computer and management training	380	9,999.99	48,480	
3. Educational support services	2,110	9,999.99	45,270	
4. Psychiatric and substance abuse hospitals	170	9,999.99	44,860	
5. Elementary and secondary schools	1,410,230	9,999.99	44,460	

State	Employment	Hourly mean wage	Annual mean wage	Percent of State employment
<i>States with the highest concentration of workers in this occupation²</i>				
1. North Dakota	5,670	9,999.99	\$33,550	1.81
2. Idaho	9,310	9,999.99	42,490	1.65
3. Louisiana	29,890	9,999.99	34,990	1.62
4. Alaska	4,190	9,999.99	49,330	1.43
5. Vermont	3,960	9,999.99	40,540	1.36
<i>Top paying States for this occupation</i>				
1. New York	98,280	9,999.99	61,420	1.19
2. Connecticut	19,810	9,999.99	52,110	1.21
3. Delaware	4,720	9,999.99	51,710	1.17
4. Rhode Island	5,490	9,999.99	51,600	1.16
5. New Jersey	52,350	9,999.99	50,720	1.35

MSA	Employment	Hourly mean wage	Annual mean wage	Percent of MSA employment
<i>MSAs with the highest concentration of workers in this occupation³</i>				
1. McAllen-Edinburg-Mission, TX MSA	4,810	9,999.99	\$40,230	2.72
2. Merced, CA MSA	1,490	9,999.99	48,780	2.52
3. Bakersfield, CA MSA	5,380	9,999.99	49,070	2.42
4. Fresno, CA MSA	7,030	9,999.99	47,680	2.06
5. Vineland-Millville-Bridgeton, NJ PMSA	1,150	9,999.99	46,720	1.98
<i>Top paying MSAs for this occupation</i>				
1. Nassau-Suffolk, NY PMSA	15,670	9,999.99	62,130	1.31
2. Dutchess County, NY PMSA	1,420	9,999.99	60,390	1.26
3. Bergen-Passaic, NJ PMSA	9,080	9,999.99	56,620	1.42
4. Jersey City, NJ PMSA	2,350	9,999.99	55,970	0.97
5. Newburgh, NY-PA PMSA	2,570	9,999.99	55,560	1.90

See footnotes at end of table.

Table 3. Employment and Wages for Selected Occupations by Industry, State, and MSA, May 2003—Continued

25-2022 Middle school teachers, except special and vocational education

Teach students in public or private schools in one or more subjects at the middle, intermediate, or junior high level, which falls between elementary and senior high school as defined by applicable State laws and regulations.

Industry	Employment	Hourly mean wage	Annual mean wage	
<i>Top industries by employment for this occupation¹</i>				
1. Elementary and secondary schools	600,210	9,999.99	\$44,860	
2. Educational support services	390	9,999.99	46,380	
3. Other schools and instruction	280	9,999.99	30,850	
4. Religious organizations	190	9,999.99	33,180	
5. Local government (OES designation)	120	9,999.99	44,590	
<i>Top paying industries for this occupation</i>				
1. Technical and trade schools	90	9,999.99	48,030	
2. Educational support services	390	9,999.99	46,380	
3. Elementary and secondary schools	600,210	9,999.99	44,860	
4. Local government (OES designation)	120	9,999.99	44,590	
5. State government (OES designation)	110	9,999.99	41,950	

State	Employment	Hourly mean wage	Annual mean wage	Percent of State employment
<i>States with the highest concentration of workers in this occupation²</i>				
1. Texas	66,450	9,999.99	\$41,800	0.72
2. New Mexico	5,180	9,999.99	38,070	0.71
3. New Hampshire	4,170	9,999.99	41,970	0.69
4. Maine	3,970	9,999.99	38,930	0.67
5. Connecticut	10,840	9,999.99	53,410	0.66
<i>Top paying States for this occupation</i>				
1. New York	42,170	9,999.99	61,060	0.51
2. Connecticut	10,840	9,999.99	53,410	0.66
3. New Jersey	21,980	9,999.99	53,310	0.57
4. California	50,380	9,999.99	52,250	0.35
5. District of Columbia	1,670	9,999.99	51,050	0.28

MSA	Employment	Hourly mean wage	Annual mean wage	Percent of MSA employment
<i>MSAs with the highest concentration of workers in this occupation³</i>				
1. Kenosha, WI PMSA	730	9,999.99	\$49,350	1.41
2. Yakima, WA MSA	900	9,999.99	42,210	1.18
3. Killeen-Temple, TX MSA	1,120	9,999.99	45,340	1.11
4. McAllen-Edinburg-Mission, TX MSA	1,900	9,999.99	40,850	1.07
5. Jamestown, NY MSA	580	9,999.99	44,680	1.07
<i>Top paying MSAs for this occupation</i>				
1. Stockton-Lodi, CA MSA	1,040	9,999.99	73,620	0.52
2. Nassau-Suffolk, NY PMSA	7,550	9,999.99	64,970	0.63
3. Dutchess County, NY PMSA	860	9,999.99	59,860	0.76
4. San Francisco, CA PMSA	2,840	9,999.99	57,870	0.29
5. Bergen-Passaic, NJ PMSA	3,290	9,999.99	57,730	0.52

See footnotes at end of table.

Table 3. Employment and Wages for Selected Occupations by Industry, States, and MSA, May 2003—Continued

25-2031 Secondary school teachers, except special and vocational education

Instruct students in secondary public or private schools in one or more subjects at the secondary level, such as English, mathematics, or social studies. May be designated according to subject matter specialty, such as typing instructors, commercial teachers, or English teachers.

Industry	Employment	Hourly mean wage	Annual mean wage	
<i>Top industries by employment for this occupation¹</i>				
1. Elementary and secondary schools	1,003,800	9,999.99	\$46,840	
2. Other schools and instruction	1,050	9,999.99	41,150	
3. Local government (OES designation)	760	9,999.99	35,740	
4. State government (OES designation)	560	9,999.99	34,710	
5. Technical and trade schools	410	9,999.99	50,750	
<i>Top paying industries for this occupation</i>				
1. Technical and trade schools	410	9,999.99	50,750	
2. Elementary and secondary schools	1,003,800	9,999.99	46,840	
3. Employment services	-	9,999.99	41,860	
4. Other schools and instruction	1,050	9,999.99	41,150	
5. Business, computer and management training	170	9,999.99	36,720	

State	Employment	Hourly mean wage	Annual mean wage	Percent of State employment
<i>States with the highest concentration of workers in this occupation²</i>				
1. Idaho	9,000	9,999.99	\$41,570	1.59
2. Illinois	74,150	9,999.99	52,760	1.29
3. Maine	6,720	9,999.99	40,000	1.14
4. Montana	4,260	9,999.99	32,210	1.08
5. Vermont	3,130	9,999.99	41,630	1.08
<i>Top paying States for this occupation</i>				
1. New York	74,860	9,999.99	60,430	0.91
2. New Jersey	33,420	9,999.99	56,560	0.86
3. Delaware	1,910	9,999.99	56,110	0.47
4. California	113,960	9,999.99	55,500	0.79
5. Connecticut	13,860	9,999.99	55,030	0.85

MSA	Employment	Hourly mean wage	Annual mean wage	Percent of MSA employment
<i>MSAs with the highest concentration of workers in this occupation³</i>				
1. Yuba City, CA MSA	930	9,999.99	\$52,790	2.47
2. Newburgh, NY-PA PMSA	2,740	9,999.99	54,620	2.03
3. McAllen-Edinburg-Mission, TX MSA	3,250	9,999.99	42,280	1.84
4. Glens Falls, NY MSA	870	9,999.99	48,940	1.74
5. Binghamton, NY MSA	1,820	9,999.99	48,020	1.63
<i>Top paying MSAs for this occupation</i>				
1. Nassau-Suffolk, NY PMSA	13,660	9,999.99	65,730	1.14
2. Newark, NJ PMSA	8,350	9,999.99	61,060	0.86
3. Stockton-Lodi, CA MSA	1,850	9,999.99	58,760	0.92
4. Orange County, CA PMSA	8,530	9,999.99	58,650	0.60
5. Bergen-Passaic, NJ PMSA	5,970	9,999.99	58,590	0.94

See footnotes at end of table.

Table 3. Employment and Wages for Selected Occupations by Industry, State, and MSA, May 2003—Continued

25-9041 Teacher assistants

Perform duties that are instructional in nature or deliver direct services to students or parents. Serve in a position for which a teacher or another professional has ultimate responsibility for the design and implementation of educational programs and services.

Industry	Employment	Hourly mean wage	Annual mean wage	
<i>Top industries by employment for this occupation¹</i>				
1. Elementary and secondary schools	981,620	9,999.99	\$20,220	
2. Child day care services	86,470	9,999.99	17,150	
3. Colleges and universities	36,100	9,999.99	23,960	
4. Junior colleges	18,970	9,999.99	24,500	
5. Individual and family services	16,380	9,999.99	19,390	
<i>Top paying industries for this occupation</i>				
1. Educational support services	4,790	9,999.99	25,640	
2. State government (OES designation)	2,600	9,999.99	24,700	
3. Junior colleges	18,970	9,999.99	24,500	
4. Business, computer and management training	1,690	9,999.99	24,400	
5. Colleges and universities	36,100	9,999.99	23,960	

State	Employment	Hourly mean wage	Annual mean wage	Percent of State employment
<i>States with the highest concentration of workers in this occupation²</i>				
1. Vermont	5,790	9,999.99	\$19,970	1.99
2. New York	137,850	9,999.99	23,090	1.67
3. New Hampshire	9,200	9,999.99	19,350	1.52
4. Alaska	4,400	9,999.99	28,760	1.51
5. Maine	8,660	9,999.99	23,030	1.47
<i>Top paying States for this occupation</i>				
1. Alaska	4,400	9,999.99	28,760	1.51
2. Nevada	3,900	9,999.99	25,290	0.37
3. California	168,600	9,999.99	24,580	1.16
4. Oregon	19,380	9,999.99	23,890	1.26
5. Washington	30,900	9,999.99	23,810	1.21

MSA	Employment	Hourly mean wage	Annual mean wage	Percent of MSA employment
<i>MSAs with the highest concentration of workers in this occupation³</i>				
1. Yuba City, CA MSA	900	9,999.99	\$22,390	2.39
2. Elmira, NY MSA	860	9,999.99	17,410	2.19
3. Glens Falls, NY MSA	1,060	9,999.99	17,050	2.12
4. Flagstaff, AZ-UT MSA	1,110	9,999.99	15,490	2.05
5. Binghamton, NY MSA	2,300	9,999.99	20,710	2.05
<i>Top paying MSAs for this occupation</i>				
1. State College, PA MSA	1,030	9,999.99	32,540	1.61
2. San Francisco, CA PMSA	6,740	9,999.99	30,440	0.69
3. Portland, ME MSA	1,490	9,999.99	26,180	0.96
4. Ventura, CA PMSA	2,830	9,999.99	26,030	0.96
5. Los Angeles-Long Beach, CA PMSA	56,930	9,999.99	25,940	1.42

See footnotes at end of table.

Table 3. Employment and Wages for Selected Occupations by Industry, States, and MSA, May 2003—Continued

27-1023 Floral designers

Design, cut, and arrange live, dried, or artificial flowers and foliage.

Industry	Employment	Hourly mean wage	Annual mean wage	
<i>Top industries by employment for this occupation¹</i>				
1. Florists	48,850	\$9.78	\$20,350	
2. Grocery stores	7,420	10.65	22,160	
3. Misc. nondurable goods merchant wholesalers	3,660	10.36	21,540	
4. Sporting goods and musical instrument stores	840	9.49	19,750	
5. Other miscellaneous store retailers	690	10.62	22,090	
<i>Top paying industries for this occupation</i>				
1. Specialized design services	170	19.23	39,990	
2. Traveler accommodation	190	13.45	27,970	
3. Special food services	50	13.15	27,350	
4. Full-service restaurants	90	12.89	26,820	
5. Other support services	200	12.58	26,160	

State	Employment	Hourly mean wage	Annual mean wage	Percent of State employment
<i>States with the highest concentration of workers in this occupation²</i>				
1. South Dakota	370	\$7.90	\$16,430	0.10
2. Nebraska	760	8.79	18,280	0.09
3. North Dakota	270	7.97	16,580	0.09
4. Arkansas	950	7.97	16,580	0.09
5. West Virginia	560	7.97	16,570	0.08
<i>Top paying States for this occupation</i>				
1. Vermont	210	12.52	26,030	0.07
2. Massachusetts	1,270	12.47	25,940	0.04
3. New Jersey	1,970	12.27	25,520	0.05
4. Connecticut	750	12.24	25,460	0.05
5. Delaware	230	12.22	25,410	0.06

MSA	Employment	Hourly mean wage	Annual mean wage	Percent of MSA employment
<i>MSAs with the highest concentration of workers in this occupation³</i>				
1. Gadsden, AL MSA	70	\$9.58	\$19,920	0.20
2. Yakima, WA MSA	130	11.00	22,890	0.17
3. Santa Cruz-Watsonville, CA PMSA	130	9.82	20,420	0.14
4. Springfield, MO MSA	230	9.31	19,370	0.14
5. Barnstable-Yarmouth, MA MSA	90	12.84	26,710	0.14
<i>Top paying MSAs for this occupation</i>				
1. San Francisco, CA PMSA	360	16.02	33,320	0.04
2. Columbia, SC MSA	240	15.42	32,070	0.08
3. New Haven-Meriden, CT PMSA	50	14.62	30,400	0.02
4. Muncie, IN MSA	30	14.21	29,560	0.06
5. Nassau-Suffolk, NY PMSA	620	14.05	29,220	0.05

See footnotes at end of table.

Table 3. Employment and Wages for Selected Occupations by Industry, State, and MSA, May 2003—Continued

27-1024 Graphic designers

Design or create graphics to meet specific commercial or promotional needs, such as packaging, displays, or logos. May use a variety of mediums to achieve artistic or decorative effects.

Industry	Employment	Hourly mean wage	Annual mean wage	
<i>Top industries by employment for this occupation¹</i>				
1. Specialized design services	27,200	\$23.59	\$49,070	
2. Advertising and related services	21,880	21.31	44,330	
3. Newspaper, book, and directory publishers	20,240	17.00	35,360	
4. Printing and related support activities	14,120	16.21	33,720	
5. Architectural and engineering services	4,710	21.69	45,120	
<i>Top paying industries for this occupation</i>				
1. Legal services	110	26.12	54,330	
2. Securities and commodity contracts brokerage	330	25.55	53,150	
3. Druggists' goods merchant wholesalers	460	24.92	51,830	
4. Semiconductor and electronic component mfg.	200	24.30	50,540	
5. Aerospace product and parts manufacturing	890	23.96	49,830	

State	Employment	Hourly mean wage	Annual mean wage	Percent of State employment
<i>States with the highest concentration of workers in this occupation²</i>				
1. District of Columbia	1,260	\$22.08	\$45,930	0.21
2. New York	16,340	24.87	51,740	0.20
3. Vermont	520	16.97	35,290	0.18
4. Connecticut	2,730	21.26	44,210	0.17
5. Minnesota	3,800	19.12	39,770	0.15
<i>Top paying States for this occupation</i>				
1. New York	16,340	24.87	51,740	0.20
2. Massachusetts	4,490	24.87	51,730	0.14
3. Michigan	4,500	22.55	46,910	0.10
4. Nevada	820	22.30	46,390	0.08
5. District of Columbia	1,260	22.08	45,930	0.21

MSA	Employment	Hourly mean wage	Annual mean wage	Percent of MSA employment
<i>MSAs with the highest concentration of workers in this occupation³</i>				
1. Stamford-Norwalk, CT PMSA	690	\$23.22	\$48,300	0.35
2. Orange County, CA PMSA	3,990	19.87	41,340	0.28
3. Madison, WI MSA	700	18.05	37,530	0.25
4. Burlington, VT MSA	260	17.74	36,900	0.25
5. Racine, WI PMSA	180	18.74	38,970	0.24
<i>Top paying MSAs for this occupation</i>				
1. San Jose, CA PMSA	1,530	29.28	60,900	0.17
2. Boston, MA-NH PMSA	3,150	27.38	56,950	0.16
3. Santa Rosa, CA PMSA	280	27.15	56,470	0.15
4. Detroit, MI PMSA	2,020	27.14	56,440	0.10
5. New York, NY PMSA	-	26.98	56,110	0.00

See footnotes at end of table.

Table 3. Employment and Wages for Selected Occupations by Industry, States, and MSA, May 2003—Continued

27-2022 Coaches and scouts

Instruct or coach groups or individuals in the fundamentals of sports. Demonstrate techniques and methods of participation. May evaluate athletes' strengths and weaknesses as possible recruits or to improve the athletes' technique to prepare them for competition. Those required to hold teaching degrees should be reported in the appropriate teaching category. Excludes "Athletic Trainers" (29-9091).

Industry	Employment	Hourly mean wage	Annual mean wage
<i>Top industries by employment for this occupation¹</i>			
1. Colleges and universities	24,340	9,999.99	\$42,470
2. Other amusement and recreation industries	16,640	9,999.99	31,260
3. Spectator sports	4,890	9,999.99	57,960
4. Civic and social organizations	3,770	9,999.99	22,800
5. Local government (OES designation)	2,990	9,999.99	31,100
<i>Top paying industries for this occupation</i>			
1. Professional and similar organizations	590	9,999.99	67,360
2. Agents and managers for public figures	230	9,999.99	65,960
3. Spectator sports	4,890	9,999.99	57,960
4. Special food services	100	9,999.99	54,030
5. Activities related to real estate	450	9,999.99	44,720

State	Employment	Hourly mean wage	Annual mean wage	Percent of State employment
<i>States with the highest concentration of workers in this occupation²</i>				
1. Wyoming	510	9,999.99	\$22,780	0.21
2. Idaho	1,110	9,999.99	23,640	0.20
3. Kansas	2,150	9,999.99	23,100	0.17
4. Maine	970	9,999.99	30,070	0.17
5. Iowa	2,200	9,999.99	21,140	0.16
<i>Top paying States for this occupation</i>				
1. District of Columbia	390	9,999.99	60,020	0.07
2. Louisiana	1,360	9,999.99	48,010	0.07
3. Rhode Island	400	9,999.99	42,860	0.08
4. Mississippi	730	9,999.99	42,610	0.07
5. West Virginia	440	9,999.99	42,110	0.07

MSA	Employment	Hourly mean wage	Annual mean wage	Percent of MSA employment
<i>MSAs with the highest concentration of workers in this occupation³</i>				
1. Lawrence, KS MSA	190	9,999.99	\$36,600	0.40
2. Kenosha, WI PMSA	190	9,999.99	34,930	0.37
3. Lima, OH MSA	210	9,999.99	25,300	0.29
4. Lynchburg, VA MSA	260	9,999.99	23,320	0.28
5. Appleton-Oshkosh-Neenah, WI MSA	540	9,999.99	38,340	0.27
<i>Top paying MSAs for this occupation</i>				
1. Shreveport-Bossier City, LA MSA	40	9,999.99	65,920	0.02
2. Baton Rouge, LA MSA	450	9,999.99	54,900	0.15
3. New Orleans, LA MSA	360	9,999.99	51,200	0.06
4. Hartford, CT MSA	600	9,999.99	49,910	0.10
5. New York, NY PMSA	1,740	9,999.99	49,850	0.04

See footnotes at end of table.

Table 3. Employment and Wages for Selected Occupations by Industry, State, and MSA, May 2003—Continued

27-3031 Public relations specialists

Engage in promoting or creating good will for individuals, groups, or organizations by writing or selecting favorable publicity material and releasing it through various communications media. May prepare and arrange displays, and make speeches.

Industry	Employment	Hourly mean wage	Annual mean wage		
<i>Top industries by employment for this occupation¹</i>					
1. Advertising and related services	18,060	\$27.77	\$57,760		
2. Professional and similar organizations	9,910	22.05	45,860		
3. Colleges and universities	7,700	19.05	39,610		
4. Local government (OES designation)	7,650	21.93	45,600		
5. State government (OES designation)	4,920	21.14	43,970		
<i>Top paying industries for this occupation</i>					
1. Hardware and plumbing merchant wholesalers	50	48.19	100,240		
2. Motor vehicle parts manufacturing	70	36.47	75,850		
3. Household appliance manufacturing	60	35.35	73,530		
4. Paper and paper product merchant wholesalers	90	34.77	72,330		
5. Oil and gas extraction	90	34.76	72,300		

State	Employment	Hourly mean wage	Annual mean wage	Percent of State employment
<i>States with the highest concentration of workers in this occupation²</i>				
1. District of Columbia	3,080	\$28.92	\$60,140	0.52
2. Vermont	1,060	22.28	46,350	0.37
3. South Dakota	770	17.02	35,400	0.22
4. Hawaii	1,150	20.46	42,560	0.21
5. Washington	5,210	27.03	56,230	0.20
<i>Top paying States for this occupation</i>				
1. Maryland	2,410	31.20	64,890	0.10
2. District of Columbia	3,080	28.92	60,140	0.52
3. Ohio	5,290	27.14	56,460	0.10
4. Washington	5,210	27.03	56,230	0.20
5. California	19,100	26.48	55,090	0.13

MSA	Employment	Hourly mean wage	Annual mean wage	Percent of MSA employment
<i>MSAs with the highest concentration of workers in this occupation³</i>				
1. Tallahassee, FL MSA	620	\$23.59	\$49,080	0.40
2. Olympia, WA PMSA	330	28.28	58,820	0.39
3. Burlington, VT MSA	370	19.76	41,100	0.35
4. Lansing-East Lansing, MI MSA	700	27.18	56,530	0.35
5. Springfield, IL MSA	380	20.63	42,920	0.35
<i>Top paying MSAs for this occupation</i>				
1. San Jose, CA PMSA	1,610	32.31	67,210	0.18
2. San Francisco, CA PMSA	2,360	30.45	63,330	0.24
3. Washington, DC-MD-VA-WV PMSA	6,610	30.15	62,720	0.25
4. Sacramento, CA PMSA	1,410	29.55	61,460	0.19
5. Fort Collins-Loveland, CO MSA	240	29.38	61,110	0.20

See footnotes at end of table.

Table 3. Employment and Wages for Selected Occupations by Industry, States, and MSA, May 2003—Continued

27-3041 Editors

Perform variety of editorial duties, such as laying out, indexing, and revising content of written materials, in preparation for final publication. Include technical editors.

Industry	Employment	Hourly mean wage	Annual mean wage	
<i>Top industries by employment for this occupation¹</i>				
1. Newspaper, book, and directory publishers	63,530	\$22.72	\$47,260	
2. Professional and similar organizations	3,980	22.99	47,810	
3. Radio and television broadcasting	3,610	20.04	41,680	
4. Colleges and universities	3,420	19.51	40,590	
5. Advertising and related services	3,350	21.64	45,020	
<i>Top paying industries for this occupation</i>				
1. Independent artists, writers, and performers	510	35.77	74,400	
2. Employment services	990	33.78	70,270	
3. Other financial investment activities	60	33.61	69,920	
4. Computer and peripheral equipment mfg.	60	32.19	66,950	
5. Accounting and bookkeeping services	290	31.93	66,410	

State	Employment	Hourly mean wage	Annual mean wage	Percent of State employment
<i>States with the highest concentration of workers in this occupation²</i>				
1. District of Columbia	3,220	\$23.70	\$49,290	0.54
2. New York	17,360	27.13	56,430	0.21
3. Massachusetts	4,150	24.42	50,800	0.13
4. Illinois	7,000	23.64	49,160	0.12
5. Missouri	2,990	22.79	47,410	0.11
<i>Top paying States for this occupation</i>				
1. New York	17,360	27.13	56,430	0.21
2. Connecticut	1,770	26.62	55,370	0.11
3. Washington	1,860	25.02	52,030	0.07
4. Virginia	3,830	24.45	50,850	0.11
5. Massachusetts	4,150	24.42	50,800	0.13

MSA	Employment	Hourly mean wage	Annual mean wage	Percent of MSA employment
<i>MSAs with the highest concentration of workers in this occupation³</i>				
1. New York, NY PMSA	13,480	\$28.23	\$58,720	0.34
2. Boulder-Longmont, CO PMSA	470	16.92	35,190	0.30
3. Bloomington, IN MSA	150	18.10	37,650	0.25
4. Washington, DC-MD-VA-WV PMSA	6,740	24.57	51,100	0.25
5. Stamford-Norwalk, CT PMSA	490	26.66	55,450	0.25
<i>Top paying MSAs for this occupation</i>				
1. San Jose, CA PMSA	760	31.36	65,230	0.09
2. New York, NY PMSA	13,480	28.23	58,720	0.34
3. Nassau-Suffolk, NY PMSA	1,120	28.21	58,680	0.09
4. Jersey City, NJ PMSA	360	28.11	58,470	0.15
5. Bridgeport, CT PMSA	150	28.04	58,320	0.08

See footnotes at end of table.

Table 3. Employment and Wages for Selected Occupations by Industry, State, and MSA, May 2003—Continued

29-1051 Pharmacists

Dispense drugs prescribed by physicians and other health practitioners and provide information to patients about medications and their use. May advise physicians and other health practitioners on the selection, dosage, interactions, and side effects of medications.

Industry	Employment	Hourly mean wage	Annual mean wage	
<i>Top industries by employment for this occupation¹</i>				
1. Health and personal care stores	95,250	\$38.34	\$79,750	
2. General medical and surgical hospitals	48,510	37.48	77,970	
3. Grocery stores	17,320	38.04	79,130	
4. Department stores	11,510	38.26	79,590	
5. Other general merchandise stores	10,930	36.25	75,410	
<i>Top paying industries for this occupation</i>				
1. Other ambulatory health care services	40	41.42	86,160	
2. Warehousing and storage	410	40.57	84,380	
3. Insurance carriers	910	40.47	84,180	
4. Insurance agencies, brokerages, and related	80	40.30	83,820	
5. Management and technical consulting services	370	40.01	83,220	

State	Employment	Hourly mean wage	Annual mean wage	Percent of State employment
<i>States with the highest concentration of workers in this occupation²</i>				
1. West Virginia	1,760	\$37.57	\$78,140	0.26
2. Louisiana	4,440	35.04	72,870	0.24
3. Kentucky	3,670	37.89	78,800	0.21
4. Oregon	3,250	38.27	79,590	0.21
5. Nebraska	1,840	33.17	69,000	0.21
<i>Top paying States for this occupation</i>				
1. California	20,950	43.83	91,170	0.14
2. Alaska	350	40.71	84,670	0.12
3. Nevada	1,790	40.31	83,850	0.17
4. Florida	12,680	39.92	83,030	0.18
5. Wisconsin	3,960	39.64	82,440	0.15

MSA	Employment	Hourly mean wage	Annual mean wage	Percent of MSA employment
<i>MSAs with the highest concentration of workers in this occupation³</i>				
1. Rochester, MN MSA	410	\$38.27	\$79,590	0.42
2. Monroe, LA MSA	260	30.45	63,330	0.36
3. Alexandria, LA MSA	190	33.59	69,870	0.35
4. Enid, OK MSA	70	34.29	71,320	0.35
5. Wheeling, WV-OH MSA	210	34.54	71,830	0.35
<i>Top paying MSAs for this occupation</i>				
1. Visalia-Tulare-Porterville, CA MSA	160	49.72	103,410	0.13
2. Redding, CA MSA	180	48.40	100,680	0.28
3. Merced, CA MSA	70	47.19	98,160	0.12
4. Jersey City, NJ PMSA	270	46.85	97,440	0.11
5. Los Angeles-Long Beach, CA PMSA	5,340	46.72	97,180	0.13

See footnotes at end of table.

Table 3. Employment and Wages for Selected Occupations by Industry, States, and MSA, May 2003—Continued

29-1111 Registered nurses

Assess patient health problems and needs, develop and implement nursing care plans, and maintain medical records. Administer nursing care to ill, injured, convalescent, or disabled patients. May advise patients on health maintenance and disease prevention or provide case management. Licensing or registration required. Include advance practice nurses such as: nurse practitioners, clinical nurse specialists, certified nurse midwives, and certified registered nurse anesthetists. Advanced practice nursing is practiced by RNs who have specialized formal, post-basic education and who function in highly autonomous and specialized roles.

Industry	Employment	Hourly mean wage	Annual mean wage	
<i>Top industries by employment for this occupation¹</i>				
1. General medical and surgical hospitals	1,295,870	\$25.02	\$52,050	
2. Offices of physicians	194,230	23.93	49,770	
3. Nursing care facilities	121,000	22.44	46,670	
4. Home health care services	114,430	23.86	49,630	
5. Employment services	70,400	28.25	58,770	
<i>Top paying industries for this occupation</i>				
1. Federal government (OES designation)	46,340	29.80	61,990	
2. Employment services	70,400	28.25	58,770	
3. Pharmaceutical and medicine manufacturing	250	27.57	57,350	
4. Activities related to credit intermediation	150	27.38	56,940	
5. Basic chemical manufacturing	140	27.13	56,420	

State	Employment	Hourly mean wage	Annual mean wage	Percent of State employment
<i>States with the highest concentration of workers in this occupation²</i>				
1. Massachusetts	75,730	\$27.72	\$57,650	2.39
2. West Virginia	16,150	21.05	43,780	2.37
3. South Dakota	8,120	19.62	40,800	2.29
4. Rhode Island	10,840	25.54	53,130	2.29
5. Mississippi	24,040	21.15	43,990	2.21
<i>Top paying States for this occupation</i>				
1. California	206,280	29.94	62,270	1.42
2. Maryland	47,460	29.77	61,920	1.94
3. Hawaii	7,560	28.12	58,490	1.37
4. New York	166,290	27.84	57,900	2.01
5. Massachusetts	75,730	27.72	57,650	2.39

MSA	Employment	Hourly mean wage	Annual mean wage	Percent of MSA employment
<i>MSAs with the highest concentration of workers in this occupation³</i>				
1. Rochester, MN MSA	9,020	\$26.54	\$55,210	9.24
2. Alexandria, LA MSA	1,980	21.41	44,530	3.64
3. Jackson, TN MSA	2,060	19.58	40,720	3.64
4. Peoria-Pekin, IL MSA	5,260	21.25	44,200	3.23
5. Jackson, MS MSA	6,770	21.19	44,080	3.22
<i>Top paying MSAs for this occupation</i>				
1. San Jose, CA PMSA	11,860	35.89	74,660	1.35
2. Oakland, CA PMSA	16,030	35.25	73,330	1.58
3. San Francisco, CA PMSA	14,430	35.24	73,300	1.48
4. McAllen-Edinburg-Mission, TX MSA	2,210	32.04	66,650	1.25
5. New York, NY PMSA	83,040	31.75	66,040	2.09

See footnotes at end of table.

Table 3. Employment and Wages for Selected Occupations by Industry, State, and MSA, May 2003—Continued

29-2041 Emergency medical technicians and paramedics

Assess injuries, administer emergency medical care, and extricate trapped individuals. Transport injured or sick persons to medical facilities.

Industry	Employment	Hourly mean wage	Annual mean wage	
<i>Top industries by employment for this occupation¹</i>				
1. Other ambulatory health care services	75,350	\$11.60	\$24,140	
2. Local government (OES designation)	55,260	14.78	30,750	
3. General medical and surgical hospitals	37,360	12.96	26,960	
4. Other ground passenger transportation	2,260	11.56	24,050	
5. Offices of physicians	1,890	14.76	30,700	
<i>Top paying industries for this occupation</i>				
1. State government (OES designation)	710	18.53	38,550	
2. Investigation and security services	70	16.46	34,230	
3. Home health care services	-	15.87	33,020	
4. Nursing care facilities	110	14.86	30,920	
5. Local government (OES designation)	55,260	14.78	30,750	

State	Employment	Hourly mean wage	Annual mean wage	Percent of State employment
<i>States with the highest concentration of workers in this occupation²</i>				
1. West Virginia	1,930	\$8.99	\$18,700	0.28
2. Maine	1,430	10.39	21,620	0.24
3. Kentucky	3,950	10.18	21,180	0.23
4. Pennsylvania	12,010	11.67	24,280	0.22
5. North Dakota	670	9.63	20,040	0.21
<i>Top paying States for this occupation</i>				
1. District of Columbia	450	18.85	39,210	0.08
2. Alaska	230	17.65	36,720	0.08
3. Washington	2,440	17.64	36,680	0.10
4. Maryland	3,280	16.16	33,600	0.13
5. New York	10,270	15.58	32,400	0.12

MSA	Employment	Hourly mean wage	Annual mean wage	Percent of MSA employment
<i>MSAs with the highest concentration of workers in this occupation³</i>				
1. Johnstown, PA MSA	580	\$9.24	\$19,230	0.71
2. Benton Harbor, MI MSA	380	12.19	25,350	0.60
3. New Bedford, MA PMSA	230	13.81	28,710	0.36
4. Steubenville-Weirton, OH-WV MSA	170	10.12	21,040	0.36
5. Barnstable-Yarmouth, MA MSA	230	19.06	39,640	0.35
<i>Top paying MSAs for this occupation</i>				
1. Salinas, CA MSA	50	23.56	49,010	0.03
2. San Francisco, CA PMSA	730	23.56	49,000	0.08
3. Bremerton, WA PMSA	90	23.48	48,840	0.12
4. Yuba City, CA MSA	-	21.54	44,800	0.00
5. Olympia, WA PMSA	90	20.60	42,840	0.11

See footnotes at end of table.

Table 3. Employment and Wages for Selected Occupations by Industry, States, and MSA, May 2003—Continued

29-2052 Pharmacy technicians

Prepare medications under the direction of a pharmacist. May measure, mix, count out, label, and record amounts and dosages of medications.

Industry	Employment	Hourly mean wage	Annual mean wage	
<i>Top industries by employment for this occupation¹</i>				
1. Health and personal care stores	103,020	\$10.54	\$21,930	
2. General medical and surgical hospitals	45,050	12.82	26,670	
3. Grocery stores	13,730	11.39	23,700	
4. Department stores	10,420	10.29	21,400	
5. Other general merchandise stores	10,080	10.92	22,720	
<i>Top paying industries for this occupation</i>				
1. Pharmaceutical and medicine manufacturing	330	17.25	35,870	
2. Local government (OES designation)	570	15.42	32,070	
3. Federal government (OES designation)	3,920	15.09	31,400	
4. Warehousing and storage	-	14.47	30,100	
5. Offices of physicians	4,140	14.05	29,230	

State	Employment	Hourly mean wage	Annual mean wage	Percent of State employment
<i>States with the highest concentration of workers in this occupation²</i>				
1. West Virginia	1,730	\$9.52	\$19,810	0.25
2. Minnesota	6,130	13.19	27,440	0.24
3. Missouri	6,110	9.74	20,260	0.23
4. Alabama	4,180	9.32	19,390	0.23
5. Rhode Island	1,060	10.47	21,770	0.22
<i>Top paying States for this occupation</i>				
1. California	18,800	15.42	32,060	0.13
2. Alaska	360	15.16	31,530	0.12
3. Washington	4,320	14.69	30,550	0.17
4. District of Columbia	370	13.79	28,690	0.06
5. Oregon	3,190	13.53	28,140	0.21

MSA	Employment	Hourly mean wage	Annual mean wage	Percent of MSA employment
<i>MSAs with the highest concentration of workers in this occupation³</i>				
1. Rochester, MN MSA	490	\$13.90	\$28,910	0.50
2. Terre Haute, IN MSA	280	10.66	22,170	0.44
3. Joplin, MO MSA	310	9.33	19,410	0.42
4. Gadsden, AL MSA	140	9.53	19,820	0.40
5. Columbia, MO MSA	290	9.66	20,080	0.39
<i>Top paying MSAs for this occupation</i>				
1. San Francisco, CA PMSA	790	18.08	37,600	0.08
2. San Jose, CA PMSA	850	17.63	36,680	0.10
3. Oakland, CA PMSA	1,080	16.94	35,240	0.11
4. San Diego, CA MSA	1,770	16.09	33,470	0.14
5. Santa Rosa, CA PMSA	250	15.85	32,960	0.13

See footnotes at end of table.

Table 3. Employment and Wages for Selected Occupations by Industry, State, and MSA, May 2003—Continued

29-2061 Licensed practical and licensed vocational nurses

Care for ill, injured, convalescent, or disabled persons in hospitals, nursing homes, clinics, private homes, group homes, and similar institutions. May work under the supervision of a registered nurse. Licensing required.

Industry	Employment	Hourly mean wage	Annual mean wage	
<i>Top industries by employment for this occupation¹</i>				
1. General medical and surgical hospitals	179,560	\$15.30	\$31,820	
2. Nursing care facilities	176,420	16.45	34,210	
3. Offices of physicians	88,740	14.74	30,660	
4. Home health care services	48,550	16.36	34,030	
5. Employment services	36,910	19.94	41,480	
<i>Top paying industries for this occupation</i>				
1. Druggists' goods merchant wholesalers	60	21.52	44,760	
2. Computer systems design and related services	290	20.01	41,620	
3. Employment services	36,910	19.94	41,480	
4. Management and technical consulting services	800	19.43	40,410	
5. Scientific research and development services	150	19.20	39,930	

State	Employment	Hourly mean wage	Annual mean wage	Percent of State employment
<i>States with the highest concentration of workers in this occupation²</i>				
1. Arkansas	12,290	\$13.00	\$27,040	1.10
2. West Virginia	6,900	12.43	25,850	1.01
3. Louisiana	18,380	13.42	27,920	0.99
4. Oklahoma	13,350	13.35	27,770	0.94
5. North Dakota	2,870	13.36	27,780	0.91
<i>Top paying States for this occupation</i>				
1. District of Columbia	1,760	21.85	45,450	0.30
2. Connecticut	7,420	21.58	44,890	0.45
3. Rhode Island	1,870	19.93	41,460	0.39
4. Massachusetts	16,200	19.80	41,180	0.51
5. Delaware	2,240	19.69	40,960	0.56

MSA	Employment	Hourly mean wage	Annual mean wage	Percent of MSA employment
<i>MSAs with the highest concentration of workers in this occupation³</i>				
1. Punta Gorda, FL MSA	930	\$14.73	\$30,640	2.29
2. Pine Bluff, AR MSA	550	12.47	25,930	1.64
3. Alexandria, LA MSA	870	12.86	26,760	1.60
4. Wheeling, WV-OH MSA	970	11.91	24,770	1.59
5. Abilene, TX MSA	800	14.56	30,280	1.49
<i>Top paying MSAs for this occupation</i>				
1. San Jose, CA PMSA	1,730	22.12	46,000	0.20
2. Bridgeport, CT PMSA	820	21.95	45,660	0.44
3. Lawrence, MA-NH PMSA	890	21.74	45,220	0.58
4. Hartford, CT MSA	2,720	21.57	44,850	0.46
5. San Francisco, CA PMSA	3,370	21.49	44,710	0.35

See footnotes at end of table.

Table 3. Employment and Wages for Selected Occupations by Industry, States, and MSA, May 2003—Continued

31-1011 Home health aides

Provide routine, personal healthcare, such as bathing, dressing, or grooming, to elderly, convalescent, or disabled persons in the home of patients or in a residential care facility.

Industry	Employment	Hourly mean wage	Annual mean wage		
<i>Top industries by employment for this occupation¹</i>					
1. Home health care services	191,870	\$8.72	\$18,150		
2. Residential mental health facilities	93,770	9.23	19,200		
3. Community care facilities for the elderly	72,890	8.66	18,010		
4. Individual and family services	69,540	8.57	17,820		
5. Nursing care facilities	33,720	9.15	19,030		
<i>Top paying industries for this occupation</i>					
1. Religious organizations	210	17.43	36,250		
2. State government (OES designation)	25,340	15.22	31,660		
3. Other investment pools and funds	140	13.08	27,210		
4. Insurance carriers	-	11.42	23,750		
5. Psychiatric and substance abuse hospitals	1,580	11.20	23,290		

State	Employment	Hourly mean wage	Annual mean wage	Percent of State employment
<i>States with the highest concentration of workers in this occupation²</i>				
1. New York	108,680	\$9.49	\$19,740	1.32
2. Maine	4,970	9.03	18,770	0.84
3. Rhode Island	3,430	11.34	23,600	0.72
4. West Virginia	4,880	7.15	14,870	0.72
5. Minnesota	18,250	9.92	20,640	0.70
<i>Top paying States for this occupation</i>				
1. Alaska	1,230	11.90	24,760	0.42
2. Connecticut	10,050	11.80	24,550	0.61
3. Rhode Island	3,430	11.34	23,600	0.72
4. Massachusetts	11,350	11.03	22,940	0.36
5. New Hampshire	1,630	10.42	21,670	0.27

MSA	Employment	Hourly mean wage	Annual mean wage	Percent of MSA employment
<i>MSAs with the highest concentration of workers in this occupation³</i>				
1. Muncie, IN MSA	1,590	\$9.24	\$19,210	2.97
2. Brownsville-Harlingen-San Benito, TX MSA	2,120	6.86	14,260	1.89
3. Dutchess County, NY PMSA	2,000	11.71	24,350	1.77
4. Lubbock, TX MSA	2,040	8.86	18,420	1.77
5. Lawrence, KS MSA	780	9.08	18,890	1.66
<i>Top paying MSAs for this occupation</i>				
1. San Angelo, TX MSA	490	15.05	31,290	1.12
2. Abilene, TX MSA	840	14.88	30,950	1.57
3. Waterbury, CT PMSA	420	14.07	29,270	0.50
4. New London-Norwich, CT-RI MSA	780	12.77	26,570	0.54
5. Hartford, CT MSA	3,130	12.63	26,260	0.52

See footnotes at end of table.

Table 3. Employment and Wages for Selected Occupations by Industry, State, and MSA, May 2003—Continued

31-1012 Nursing aides, orderlies, and attendants

Provide basic patient care under direction of nursing staff. Perform duties, such as feed, bathe, dress, groom, or move patients, or change linens.

Industry	Employment	Hourly mean wage	Annual mean wage	
<i>Top industries by employment for this occupation¹</i>				
1. Nursing care facilities	593,490	\$9.83	\$20,440	
2. General medical and surgical hospitals	349,810	10.53	21,900	
3. Community care facilities for the elderly	112,050	9.31	19,370	
4. Employment services	52,970	11.31	23,520	
5. Local government (OES designation)	45,000	10.77	22,390	
<i>Top paying industries for this occupation</i>				
1. Federal government (OES designation)	10,660	14.07	29,270	
2. Scientific research and development services	300	13.29	27,640	
3. Other personal services	60	12.51	26,020	
4. Civic and social organizations	-	12.02	25,010	
5. State government (OES designation)	20,160	11.55	24,020	

State	Employment	Hourly mean wage	Annual mean wage	Percent of State employment
<i>States with the highest concentration of workers in this occupation²</i>				
1. North Dakota	6,040	\$9.07	\$18,870	1.92
2. South Dakota	5,920	8.90	18,510	1.67
3. Rhode Island	7,890	11.46	23,830	1.66
4. Kansas	20,670	9.60	19,970	1.59
5. Nebraska	13,720	9.90	20,580	1.56
<i>Top paying States for this occupation</i>				
1. Alaska	1,810	13.86	28,830	0.62
2. Connecticut	23,800	12.77	26,550	1.45
3. New York	93,610	12.65	26,310	1.13
4. Massachusetts	40,900	12.06	25,080	1.29
5. Maryland	25,830	11.76	24,470	1.06

MSA	Employment	Hourly mean wage	Annual mean wage	Percent of MSA employment
<i>MSAs with the highest concentration of workers in this occupation³</i>				
1. Pittsfield, MA MSA	1,380	\$11.97	\$24,890	3.30
2. Punta Gorda, FL MSA	1,020	9.62	20,000	2.51
3. Enid, OK MSA	460	8.05	16,740	2.29
4. Grand Forks, ND-MN MSA	1,070	9.67	20,120	2.24
5. Eau Claire, WI MSA	1,600	10.37	21,560	2.22
<i>Top paying MSAs for this occupation</i>				
1. San Francisco, CA PMSA	5,410	14.56	30,290	0.55
2. Nassau-Suffolk, NY PMSA	11,390	14.22	29,580	0.95
3. New York, NY PMSA	46,010	13.99	29,090	1.16
4. San Jose, CA PMSA	4,160	13.85	28,800	0.47
5. Waterbury, CT PMSA	1,640	13.15	27,340	1.95

See footnotes at end of table.

Table 3. Employment and Wages for Selected Occupations by Industry, States, and MSA, May 2003—Continued

31-9091 Dental assistants

Assist dentist, set up patient and equipment, and keep records.

Industry	Employment	Hourly mean wage	Annual mean wage	
<i>Top industries by employment for this occupation¹</i>				
1. Offices of dentists	255,830	\$13.58	\$28,250	
2. Offices of physicians	2,950	12.14	25,240	
3. Federal government (OES designation)	2,540	14.85	30,880	
4. Colleges and universities	1,810	12.93	26,900	
5. General medical and surgical hospitals	1,530	13.82	28,750	
<i>Top paying industries for this occupation</i>				
1. Scientific research and development services	30	16.39	34,090	
2. Employment services	1,520	15.16	31,540	
3. Federal government (OES designation)	2,540	14.85	30,880	
4. Psychiatric and substance abuse hospitals	160	14.04	29,210	
5. Other hospitals	100	14.00	29,130	

State	Employment	Hourly mean wage	Annual mean wage	Percent of State employment
<i>States with the highest concentration of workers in this occupation²</i>				
1. Washington	9,610	\$16.00	\$33,290	0.38
2. Utah	3,380	9.93	20,660	0.32
3. Oregon	4,830	14.85	30,890	0.31
4. California	43,760	15.53	32,300	0.30
5. Alaska	800	15.63	32,500	0.27
<i>Top paying States for this occupation</i>				
1. District of Columbia	490	18.65	38,780	0.08
2. Nevada	1,770	17.02	35,410	0.17
3. Colorado	4,930	16.76	34,860	0.23
4. Connecticut	3,310	16.19	33,680	0.20
5. Massachusetts	5,040	16.03	33,340	0.16

MSA	Employment	Hourly mean wage	Annual mean wage	Percent of MSA employment
<i>MSAs with the highest concentration of workers in this occupation³</i>				
1. Olympia, WA PMSA	450	\$16.99	\$35,340	0.53
2. Salinas, CA MSA	730	15.58	32,400	0.47
3. Orange County, CA PMSA	6,550	11.82	24,580	0.46
4. Vallejo-Fairfield-Napa, CA PMSA	850	14.93	31,040	0.45
5. Redding, CA MSA	290	11.54	24,000	0.45
<i>Top paying MSAs for this occupation</i>				
1. Boulder-Longmont, CO PMSA	370	24.15	50,230	0.24
2. Santa Rosa, CA PMSA	750	19.75	41,070	0.39
3. Colorado Springs, CO MSA	600	19.62	40,810	0.26
4. Barnstable-Yarmouth, MA MSA	160	18.93	39,380	0.24
5. Iowa City, IA MSA	200	18.89	39,290	0.30

See footnotes at end of table.

Table 3. Employment and Wages for Selected Occupations by Industry, State, and MSA, May 2003—Continued

31-9092 Medical assistants

Perform administrative and certain clinical duties under the direction of physician. Administrative duties may include scheduling appointments, maintaining medical records, billing, and coding for insurance purposes. Clinical duties may include taking and recording vital signs and medical histories, preparing patients for examination, drawing blood, and administering medications as directed by physician.

Industry	Employment	Hourly mean wage	Annual mean wage
<i>Top industries by employment for this occupation¹</i>			
1. Offices of physicians	207,300	\$12.08	\$25,130
2. General medical and surgical hospitals	52,000	12.27	25,530
3. Offices of other health practitioners	39,630	10.74	22,330
4. Outpatient care centers	16,410	12.19	25,360
5. Other ambulatory health care services	6,220	11.68	24,300
<i>Top paying industries for this occupation</i>			
1. State government (OES designation)	2,510	16.21	33,720
2. Scientific research and development services	480	14.52	30,200
3. Psychiatric and substance abuse hospitals	640	13.69	28,470
4. Colleges and universities	5,450	13.52	28,110
5. Professional and similar organizations	50	12.95	26,930

State	Employment	Hourly mean wage	Annual mean wage	Percent of State employment
<i>States with the highest concentration of workers in this occupation²</i>				
1. Hawaii	3,330	\$12.46	\$25,920	0.60
2. Arizona	10,940	11.36	23,630	0.48
3. Washington	9,710	13.31	27,670	0.38
4. Michigan	15,840	12.02	25,010	0.37
5. Rhode Island	1,720	11.19	23,270	0.36
<i>Top paying States for this occupation</i>				
1. District of Columbia	960	15.15	31,510	0.16
2. Connecticut	4,700	14.27	29,680	0.29
3. Massachusetts	5,530	14.12	29,360	0.17
4. Alaska	500	13.48	28,040	0.17
5. Oregon	4,660	13.38	27,830	0.30

MSA	Employment	Hourly mean wage	Annual mean wage	Percent of MSA employment
<i>MSAs with the highest concentration of workers in this occupation³</i>				
1. Gainesville, FL MSA	750	\$10.89	\$22,650	0.79
2. Charleston-North Charleston, SC MSA	1,940	11.46	23,830	0.78
3. McAllen-Edinburg-Mission, TX MSA	1,380	9.69	20,160	0.78
4. Santa Barbara-Santa Maria-Lompoc, CA MSA	1,280	13.35	27,770	0.75
5. Yuma, AZ MSA	390	11.52	23,960	0.72
<i>Top paying MSAs for this occupation</i>				
1. San Jose, CA PMSA	2,540	16.16	33,610	0.29
2. San Francisco, CA PMSA	2,280	15.87	33,000	0.23
3. Danbury, CT PMSA	250	15.48	32,210	0.28
4. Stamford-Norwalk, CT PMSA	340	15.43	32,100	0.17
5. Salinas, CA MSA	390	15.02	31,240	0.25

See footnotes at end of table.

Table 3. Employment and Wages for Selected Occupations by Industry, States, and MSA, May 2003—Continued

31-9094 Medical transcriptionists

Use transcribing machines with headset and foot pedal to listen to recordings by physicians and other healthcare professionals dictating a variety of medical reports, such as emergency room visits, diagnostic imaging studies, operations, chart reviews, and final summaries. Transcribe dictated reports and translate medical jargon and abbreviations into their expanded forms. Edit as necessary and return reports in either printed or electronic form to the dictator for review and signature, or correction.

Industry	Employment	Hourly mean wage	Annual mean wage	
<i>Top industries by employment for this occupation¹</i>				
1. General medical and surgical hospitals	39,300	\$13.74	\$28,580	
2. Offices of physicians	32,510	13.51	28,090	
3. Business support services	12,230	13.25	27,550	
4. Offices of other health practitioners	2,250	11.94	24,830	
5. Medical and diagnostic laboratories	2,040	15.04	31,280	
<i>Top paying industries for this occupation</i>				
1. Other professional and technical services	60	18.52	38,520	
2. Local government (OES designation)	250	16.50	34,310	
3. Management and technical consulting services	320	15.86	32,990	
4. Other ambulatory health care services	880	15.24	31,700	
5. Medical and diagnostic laboratories	2,040	15.04	31,280	

State	Employment	Hourly mean wage	Annual mean wage	Percent of State employment
<i>States with the highest concentration of workers in this occupation²</i>				
1. South Dakota	780	\$11.56	\$24,050	0.22
2. North Dakota	520	11.28	23,470	0.17
3. West Virginia	980	11.01	22,900	0.14
4. Wisconsin	3,830	13.68	28,460	0.14
5. Michigan	5,590	13.34	27,740	0.13
<i>Top paying States for this occupation</i>				
1. Alaska	210	17.55	36,500	0.07
2. Hawaii	260	16.64	34,600	0.05
3. Nevada	300	16.40	34,110	0.03
4. Maryland	1,060	16.32	33,950	0.04
5. Connecticut	1,000	16.27	33,840	0.06

MSA	Employment	Hourly mean wage	Annual mean wage	Percent of MSA employment
<i>MSAs with the highest concentration of workers in this occupation³</i>				
1. Rapid City, SD MSA	140	\$11.99	\$24,930	0.29
2. Sioux Falls, SD MSA	290	12.45	25,900	0.26
3. Huntington-Ashland, WV-KY-OH MSA	290	10.95	22,790	0.25
4. Green Bay, WI MSA	330	13.86	28,830	0.23
5. Hattiesburg, MS MSA	110	11.97	24,910	0.23
<i>Top paying MSAs for this occupation</i>				
1. Danbury, CT PMSA	-	21.05	43,790	0.00
2. Anchorage, AK MSA	100	19.38	40,320	0.07
3. Salinas, CA MSA	90	18.21	37,880	0.06
4. San Luis Obispo-Atascadero-Paso Robles, CA MSA	70	17.73	36,880	0.07
5. Dallas, TX PMSA	700	17.71	36,840	0.04

See footnotes at end of table.

Table 3. Employment and Wages for Selected Occupations by Industry, State, and MSA, May 2003—Continued

33-1012 First-line supervisors/managers of police and detectives

Supervise and coordinate activities of members of police force.

Industry	Employment	Hourly mean wage	Annual mean wage	
<i>Top industries by employment for this occupation¹</i>				
1. Local government (OES designation)	81,420	\$29.77	\$61,930	
2. State government (OES designation)	11,480	30.68	63,810	
3. Federal government (OES designation)	7,260	38.19	79,440	
4. Colleges and universities	1,380	23.80	49,510	
5. General medical and surgical hospitals	90	23.28	48,420	
<i>Top paying industries for this occupation</i>				
1. Federal government (OES designation)	7,260	38.19	79,440	
2. State government (OES designation)	11,480	30.68	63,810	
3. Local government (OES designation)	81,420	29.77	61,930	
4. Junior colleges	90	27.90	58,020	
5. Colleges and universities	1,380	23.80	49,510	

State	Employment	Hourly mean wage	Annual mean wage	Percent of State employment
<i>States with the highest concentration of workers in this occupation²</i>				
1. New Mexico	1,120	\$24.71	\$51,390	0.15
2. New Jersey	5,500	39.74	82,670	0.14
3. Hawaii	730	28.49	59,260	0.13
4. New York	10,890	34.68	72,140	0.13
5. Wyoming	290	22.10	45,960	0.12
<i>Top paying States for this occupation</i>				
1. California	6,880	42.53	88,460	0.05
2. New Jersey	5,500	39.74	82,670	0.14
3. Nevada	730	34.96	72,720	0.07
4. New York	10,890	34.68	72,140	0.13
5. Delaware	-	33.57	69,830	0.00

MSA	Employment	Hourly mean wage	Annual mean wage	Percent of MSA employment
<i>MSAs with the highest concentration of workers in this occupation³</i>				
1. Tallahassee, FL MSA	440	\$25.83	\$53,730	0.28
2. Yuma, AZ MSA	120	28.16	58,580	0.22
3. Cheyenne, WY MSA	80	23.64	49,180	0.22
4. Laredo, TX MSA	160	31.57	65,670	0.21
5. Olympia, WA PMSA	170	33.25	69,150	0.20
<i>Top paying MSAs for this occupation</i>				
1. Orange County, CA PMSA	460	50.83	105,730	0.03
2. San Jose, CA PMSA	180	49.93	103,860	0.02
3. Nassau-Suffolk, NY PMSA	1,230	47.75	99,320	0.10
4. San Francisco, CA PMSA	310	47.55	98,910	0.03
5. Bergen-Passaic, NJ PMSA	820	45.06	93,720	0.13

See footnotes at end of table.

Table 3. Employment and Wages for Selected Occupations by Industry, States, and MSA, May 2003—Continued

33-2011 Fire fighters

Control and extinguish fires or respond to emergency situations where life, property, or the environment is at risk. Duties may include fire prevention, emergency medical service, hazardous material response, search and rescue, and disaster management.

Industry	Employment	Hourly mean wage	Annual mean wage	
<i>Top industries by employment for this occupation¹</i>				
1. Local government (OES designation)	246,670	\$18.78	\$39,050	
2. Federal government (OES designation)	7,990	16.64	34,620	
3. State government (OES designation)	7,370	15.82	32,900	
4. Other support services	4,590	12.13	25,220	
5. Facilities support services	390	15.49	32,230	
<i>Top paying industries for this occupation</i>				
1. Waste treatment and disposal	150	22.40	46,590	
2. Colleges and universities	160	21.64	45,010	
3. Aerospace product and parts manufacturing	370	18.83	39,170	
4. Local government (OES designation)	246,670	18.78	39,050	
5. Scientific research and development services	160	18.04	37,520	

State	Employment	Hourly mean wage	Annual mean wage	Percent of State employment
<i>States with the highest concentration of workers in this occupation²</i>				
1. Alaska	3,450	\$13.33	\$27,720	1.18
2. Massachusetts	12,610	20.14	41,880	0.40
3. Rhode Island	1,650	20.41	42,460	0.35
4. Wyoming	810	14.60	30,360	0.34
5. Ohio	16,580	16.04	33,360	0.31
<i>Top paying States for this occupation</i>				
1. New Jersey	5,520	27.39	56,980	0.14
2. California	27,510	25.83	53,730	0.19
3. Connecticut	3,530	22.86	47,540	0.22
4. Washington	6,510	22.06	45,890	0.25
5. District of Columbia	1,200	21.82	45,380	0.20

MSA	Employment	Hourly mean wage	Annual mean wage	Percent of MSA employment
<i>MSAs with the highest concentration of workers in this occupation³</i>				
1. Anchorage, AK MSA	1,430	\$13.84	\$28,790	1.04
2. New Bedford, MA PMSA	530	19.26	40,060	0.83
3. Hamilton-Middletown, OH PMSA	940	14.08	29,290	0.73
4. Redding, CA MSA	390	13.96	29,040	0.61
5. Fayetteville, NC MSA	600	12.33	25,650	0.57
<i>Top paying MSAs for this occupation</i>				
1. San Jose, CA PMSA	1,670	33.53	69,740	0.19
2. Oakland, CA PMSA	-	32.51	67,620	0.00
3. Bergen-Passaic, NJ PMSA	820	30.59	63,620	0.13
4. Newark, NJ PMSA	1,830	30.48	63,410	0.19
5. Los Angeles-Long Beach, CA PMSA	5,770	30.42	63,270	0.14

See footnotes at end of table.

Table 3. Employment and Wages for Selected Occupations by Industry, State, and MSA, May 2003—Continued

33-3012 Correctional officers and jailers

Guard inmates in penal or rehabilitative institution in accordance with established regulations and procedures. May guard prisoners in transit between jail, courtroom, prison, or other point. Include deputy sheriffs and police who spend the majority of their time guarding prisoners in correctional institutions.

Industry	Employment	Hourly mean wage	Annual mean wage		
<i>Top industries by employment for this occupation¹</i>					
1. State government (OES designation)	237,230	\$17.30	\$35,980		
2. Local government (OES designation)	147,770	16.39	34,080		
3. Facilities support services	15,780	12.45	25,900		
4. Federal government (OES designation)	13,320	20.53	42,700		
5. Psychiatric and substance abuse hospitals	1,140	16.93	35,220		
<i>Top paying industries for this occupation</i>					
1. Federal government (OES designation)	13,320	20.53	42,700		
2. State government (OES designation)	237,230	17.30	35,980		
3. Psychiatric and substance abuse hospitals	1,140	16.93	35,220		
4. Local government (OES designation)	147,770	16.39	34,080		
5. Facilities support services	15,780	12.45	25,900		

State	Employment	Hourly mean wage	Annual mean wage	Percent of State employment
<i>States with the highest concentration of workers in this occupation²</i>				
1. Louisiana	12,090	\$11.91	\$24,780	0.65
2. Texas	44,590	13.51	28,110	0.49
3. Mississippi	5,140	10.80	22,470	0.47
4. New York	37,660	22.76	47,330	0.46
5. Georgia	16,770	13.28	27,610	0.44
<i>Top paying States for this occupation</i>				
1. New Jersey	12,710	24.83	51,650	0.33
2. Massachusetts	7,370	23.31	48,490	0.23
3. California	36,250	23.04	47,920	0.25
4. New York	37,660	22.76	47,330	0.46
5. Nevada	2,250	21.03	43,740	0.21

MSA	Employment	Hourly mean wage	Annual mean wage	Percent of MSA employment
<i>MSAs with the highest concentration of workers in this occupation³</i>				
1. Brazoria, TX PMSA	1,710	\$13.17	\$27,390	2.26
2. Killeen-Temple, TX MSA	1,950	13.93	28,980	1.94
3. Cumberland, MD-WV MSA	720	17.86	37,150	1.82
4. Glens Falls, NY MSA	870	23.11	48,080	1.74
5. Utica-Rome, NY MSA	2,060	21.53	44,780	1.65
<i>Top paying MSAs for this occupation</i>				
1. San Francisco, CA PMSA	1,130	26.78	55,700	0.12
2. Bergen-Passaic, NJ PMSA	-	26.00	54,090	0.00
3. Newark, NJ PMSA	1,650	24.97	51,930	0.17
4. Vallejo-Fairfield-Napa, CA PMSA	1,430	24.96	51,910	0.76
5. Oakland, CA PMSA	230	24.10	50,120	0.02

See footnotes at end of table.

Table 3. Employment and Wages for Selected Occupations by Industry, States, and MSA, May 2003—Continued

33-3051 Police and sheriff's patrol officers

Maintain order, enforce laws and ordinances, and protect life and property in an assigned patrol district. Perform combination of following duties: patrol a specific area on foot or in a vehicle; direct traffic; issue traffic summonses; investigate accidents; apprehend and arrest suspects, or serve legal processes of courts.

Industry	Employment	Hourly mean wage	Annual mean wage		
<i>Top industries by employment for this occupation¹</i>					
1. Local government (OES designation)	528,460	\$21.58	\$44,880		
2. State government (OES designation)	52,380	23.00	47,830		
3. Federal government (OES designation)	18,980	21.25	44,200		
4. Colleges and universities	8,330	16.86	35,080		
5. Junior colleges	1,300	18.28	38,020		
<i>Top paying industries for this occupation</i>					
1. State government (OES designation)	52,380	23.00	47,830		
2. Local government (OES designation)	528,460	21.58	44,880		
3. Federal government (OES designation)	18,980	21.25	44,200		
4. General medical and surgical hospitals	370	19.37	40,280		
5. Junior colleges	1,300	18.28	38,020		

State	Employment	Hourly mean wage	Annual mean wage	Percent of State employment
<i>States with the highest concentration of workers in this occupation²</i>				
1. New Mexico	5,050	\$16.19	\$33,670	0.69
2. Mississippi	6,930	12.73	26,480	0.64
3. New York	48,960	25.14	52,300	0.59
4. Louisiana	10,560	12.81	26,640	0.57
5. Arizona	12,890	21.48	44,690	0.57
<i>Top paying States for this occupation</i>				
1. California	77,120	29.32	60,990	0.53
2. New Jersey	21,520	29.17	60,680	0.56
3. Alaska	1,200	26.33	54,760	0.41
4. Washington	8,420	25.39	52,810	0.33
5. New York	48,960	25.14	52,300	0.59

MSA	Employment	Hourly mean wage	Annual mean wage	Percent of MSA employment
<i>MSAs with the highest concentration of workers in this occupation³</i>				
1. Laredo, TX MSA	880	\$21.31	\$44,330	1.18
2. Brownsville-Harlingen-San Benito, TX MSA	1,270	19.08	39,680	1.13
3. Las Cruces, NM MSA	620	18.24	37,940	1.08
4. Yuma, AZ MSA	540	18.43	38,330	1.00
5. San Luis Obispo-Atascadero-Paso Robles, CA MSA	940	25.58	53,200	0.95
<i>Top paying MSAs for this occupation</i>				
1. Nassau-Suffolk, NY PMSA	5,700	34.97	72,740	0.48
2. Bergen-Passaic, NJ PMSA	3,640	34.68	72,140	0.57
3. Oakland, CA PMSA	4,580	33.73	70,150	0.45
4. San Jose, CA PMSA	4,310	33.20	69,050	0.49
5. Orange County, CA PMSA	5,220	31.50	65,530	0.36

See footnotes at end of table.

Table 3. Employment and Wages for Selected Occupations by Industry, State, and MSA, May 2003—Continued

33-9032 Security guards

Guard, patrol, or monitor premises to prevent theft, violence, or infractions of rules.

Industry	Employment	Hourly mean wage	Annual mean wage	
<i>Top industries by employment for this occupation¹</i>				
1. Investigation and security services	533,060	\$9.33	\$19,400	
2. General medical and surgical hospitals	33,010	12.17	25,300	
3. Elementary and secondary schools	32,190	12.43	25,850	
4. Local government (OES designation)	29,640	12.40	25,790	
5. Traveler accommodation	28,890	11.11	23,120	
<i>Top paying industries for this occupation</i>				
1. Natural gas distribution	-	23.76	49,410	
2. Nonresidential building construction	-	22.36	46,500	
3. Couriers	-	21.53	44,790	
4. Highway, street, and bridge construction	180	20.32	42,270	
5. Power generation and supply	1,910	19.34	40,230	

State	Employment	Hourly mean wage	Annual mean wage	Percent of State employment
<i>States with the highest concentration of workers in this occupation²</i>				
1. District of Columbia	10,420	\$12.56	\$26,120	1.75
2. Hawaii	9,220	10.24	21,290	1.67
3. Nevada	14,710	10.81	22,470	1.38
4. New York	95,510	10.72	22,300	1.16
5. New Mexico	7,330	9.91	20,610	1.00
<i>Top paying States for this occupation</i>				
1. Alaska	2,080	14.31	29,770	0.71
2. Maryland	23,020	12.56	26,120	0.94
3. District of Columbia	10,420	12.56	26,120	1.75
4. Washington	13,800	11.70	24,340	0.54
5. Colorado	12,370	11.64	24,200	0.59

MSA	Employment	Hourly mean wage	Annual mean wage	Percent of MSA employment
<i>MSAs with the highest concentration of workers in this occupation³</i>				
1. Atlantic-Cape May, NJ PMSA	3,440	\$11.04	\$22,960	1.88
2. Honolulu, HI MSA	7,380	10.06	20,920	1.84
3. El Paso, TX MSA	4,420	8.09	16,820	1.75
4. Miami, FL PMSA	17,160	8.68	18,060	1.73
5. New York, NY PMSA	65,440	10.62	22,090	1.65
<i>Top paying MSAs for this occupation</i>				
1. San Luis Obispo-Atascadero-Paso Robles, CA MSA	480	15.73	32,720	0.49
2. Trenton, NJ PMSA	2,220	13.89	28,880	1.06
3. Newburgh, NY-PA PMSA	1,080	13.70	28,500	0.80
4. Akron, OH PMSA	1,870	13.68	28,460	0.59
5. Anchorage, AK MSA	1,170	13.55	28,180	0.85

See footnotes at end of table.

Table 3. Employment and Wages for Selected Occupations by Industry, States, and MSA, May 2003—Continued

35-1012 First-line supervisors/managers of food preparation and serving workers

Supervise workers engaged in preparing and serving food.

Industry	Employment	Hourly mean wage	Annual mean wage	
<i>Top industries by employment for this occupation¹</i>				
1. Limited-service eating places	288,730	\$11.52	\$23,970	
2. Full-service restaurants	170,640	13.79	28,690	
3. Elementary and secondary schools	42,980	11.96	24,880	
4. Special food services	27,400	17.60	36,610	
5. Grocery stores	24,130	13.89	28,880	
<i>Top paying industries for this occupation</i>				
1. Rail transportation	30	22.47	46,730	
2. Support activities for air transportation	60	20.97	43,630	
3. Scheduled air transportation	-	20.49	42,620	
4. Advertising and related services	30	20.17	41,940	
5. Management and technical consulting services	650	18.17	37,800	

State	Employment	Hourly mean wage	Annual mean wage	Percent of State employment
<i>States with the highest concentration of workers in this occupation²</i>				
1. New Mexico	5,780	\$9.95	\$20,700	0.79
2. Hawaii	4,040	15.22	31,660	0.73
3. North Dakota	2,290	10.67	22,190	0.73
4. West Virginia	4,900	9.60	19,970	0.72
5. Nevada	7,330	13.08	27,200	0.69
<i>Top paying States for this occupation</i>				
1. Washington	12,580	16.59	34,510	0.49
2. Connecticut	7,960	16.02	33,320	0.49
3. District of Columbia	-	15.67	32,600	0.00
4. Hawaii	4,040	15.22	31,660	0.73
5. New Jersey	16,930	15.17	31,550	0.44

MSA	Employment	Hourly mean wage	Annual mean wage	Percent of MSA employment
<i>MSAs with the highest concentration of workers in this occupation³</i>				
1. Owensboro, KY MSA	390	\$9.46	\$19,680	0.99
2. Cheyenne, WY MSA	360	9.75	20,270	0.98
3. Flagstaff, AZ-UT MSA	500	11.15	23,190	0.93
4. Asheville, NC MSA	1,000	12.94	26,920	0.92
5. Pueblo, CO MSA	490	13.14	27,330	0.92
<i>Top paying MSAs for this occupation</i>				
1. Danbury, CT PMSA	320	19.08	39,690	0.36
2. Stamford-Norwalk, CT PMSA	900	18.44	38,360	0.45
3. Seattle-Bellevue-Everett, WA PMSA	5,820	18.32	38,100	0.45
4. Jersey City, NJ PMSA	800	18.26	37,990	0.33
5. Bridgeport, CT PMSA	620	17.68	36,780	0.34

See footnotes at end of table.

Table 3. Employment and Wages for Selected Occupations by Industry, State, and MSA, May 2003—Continued

35-2014 Cooks, restaurant

Prepare, season, and cook soups, meats, vegetables, desserts, or other foodstuffs in restaurants. May order supplies, keep records and accounts, price items on menu, or plan menu.

Industry	Employment	Hourly mean wage	Annual mean wage
<i>Top industries by employment for this occupation¹</i>			
1. Full-service restaurants	522,830	\$9.56	\$19,870
2. Limited-service eating places	78,930	8.52	17,730
3. Traveler accommodation	55,320	11.19	23,280
4. Other amusement and recreation industries	19,590	10.96	22,800
5. Drinking places, alcoholic beverages	18,540	9.26	19,270
<i>Top paying industries for this occupation</i>			
1. Other schools and instruction	-	14.10	29,330
2. Personal care services	190	13.59	28,280
3. Travel arrangement and reservation services	-	12.54	26,090
4. Rail transportation	200	12.43	25,850
5. Colleges and universities	70	11.57	24,050

State	Employment	Hourly mean wage	Annual mean wage	Percent of State employment
<i>States with the highest concentration of workers in this occupation²</i>				
1. Hawaii	6,260	\$11.99	\$24,940	1.13
2. Nevada	11,000	11.70	24,340	1.03
3. Montana	3,550	8.26	17,170	0.90
4. Colorado	18,270	10.16	21,130	0.87
5. Oregon	11,420	9.43	19,610	0.74
<i>Top paying States for this occupation</i>				
1. New York	28,780	12.12	25,210	0.35
2. Hawaii	6,260	11.99	24,940	1.13
3. New Jersey	13,250	11.85	24,650	0.34
4. Connecticut	6,700	11.71	24,360	0.41
5. Nevada	11,000	11.70	24,340	1.03

MSA	Employment	Hourly mean wage	Annual mean wage	Percent of MSA employment
<i>MSAs with the highest concentration of workers in this occupation³</i>				
1. Naples, FL MSA	1,730	\$11.44	\$23,790	1.53
2. Barnstable-Yarmouth, MA MSA	930	12.89	26,810	1.41
3. Sharon, PA MSA	580	7.46	15,510	1.22
4. Galveston-Texas City, TX PMSA	1,040	7.95	16,530	1.19
5. Columbia, MO MSA	870	8.24	17,140	1.17
<i>Top paying MSAs for this occupation</i>				
1. New York, NY PMSA	12,610	14.17	29,470	0.32
2. San Francisco, CA PMSA	6,710	14.13	29,400	0.69
3. Atlantic-Cape May, NJ PMSA	2,090	13.36	27,800	1.14
4. Barnstable-Yarmouth, MA MSA	930	12.89	26,810	1.41
5. Bridgeport, CT PMSA	510	12.82	26,670	0.28

See footnotes at end of table.

Table 3. Employment and Wages for Selected Occupations by Industry, States, and MSA, May 2003—Continued

35-2021 Food preparation workers

Perform a variety of food preparation duties other than cooking, such as preparing cold foods and shellfish, slicing meat, and brewing coffee or tea.

Industry	Employment	Hourly mean wage	Annual mean wage	
<i>Top industries by employment for this occupation¹</i>				
1. Full-service restaurants	182,760	\$8.01	\$16,650	
2. Limited-service eating places	169,210	7.25	15,090	
3. Grocery stores	106,960	9.18	19,100	
4. Elementary and secondary schools	76,580	9.07	18,870	
5. Nursing care facilities	58,100	8.49	17,650	
<i>Top paying industries for this occupation</i>				
1. Legal services	160	14.32	29,780	
2. Other financial investment activities	-	12.98	27,010	
3. Support activities for air transportation	400	11.15	23,180	
4. Scientific research and development services	40	11.00	22,890	
5. Beverage manufacturing	-	10.68	22,210	

State	Employment	Hourly mean wage	Annual mean wage	Percent of State employment
<i>States with the highest concentration of workers in this occupation²</i>				
1. Mississippi	13,200	\$6.54	\$13,610	1.22
2. Louisiana	22,060	6.79	14,120	1.19
3. Oregon	17,280	8.74	18,180	1.12
4. Maine	6,210	8.58	17,850	1.05
5. South Dakota	3,720	7.37	15,320	1.05
<i>Top paying States for this occupation</i>				
1. Alaska	2,420	10.33	21,490	0.83
2. Connecticut	13,950	10.10	21,000	0.85
3. District of Columbia	3,160	10.06	20,930	0.53
4. Hawaii	5,100	9.95	20,700	0.92
5. Nevada	6,830	9.57	19,900	0.64

MSA	Employment	Hourly mean wage	Annual mean wage	Percent of MSA employment
<i>MSAs with the highest concentration of workers in this occupation³</i>				
1. Newburgh, NY-PA PMSA	2,560	\$8.06	\$16,760	1.90
2. Salem, OR PMSA	2,390	8.99	18,710	1.78
3. Champaign-Urbana, IL MSA	1,490	6.77	14,080	1.63
4. Flagstaff, AZ-UT MSA	870	7.02	14,600	1.61
5. Decatur, IL MSA	840	7.22	15,020	1.54
<i>Top paying MSAs for this occupation</i>				
1. Stamford-Norwalk, CT PMSA	1,110	11.17	23,240	0.55
2. Danbury, CT PMSA	920	11.12	23,120	1.03
3. Rochester, MN MSA	280	10.47	21,780	0.29
4. New Haven-Meriden, CT PMSA	2,470	10.21	21,250	0.97
5. New York, NY PMSA	30,830	10.17	21,160	0.78

See footnotes at end of table.

Table 3. Employment and Wages for Selected Occupations by Industry, State, and MSA, May 2003—Continued

35-3021 Combined food preparation and serving workers, including fast food

Perform duties which combine both food preparation and food service.

Industry	Employment	Hourly mean wage	Annual mean wage		
<i>Top industries by employment for this occupation¹</i>					
1. Limited-service eating places	1,391,410	\$6.95	\$14,450		
2. Full-service restaurants	161,450	7.20	14,980		
3. Grocery stores	107,080	8.64	17,980		
4. Special food services	89,420	8.31	17,290		
5. Elementary and secondary schools	73,010	8.47	17,630		
<i>Top paying industries for this occupation</i>					
1. Rail transportation	780	12.79	26,600		
2. Federal government (OES designation)	8,600	12.21	25,390		
3. State government (OES designation)	3,940	11.60	24,130		
4. Offices of physicians	120	11.26	23,420		
5. Psychiatric and substance abuse hospitals	550	11.24	23,370		

State	Employment	Hourly mean wage	Annual mean wage	Percent of State employment
<i>States with the highest concentration of workers in this occupation²</i>				
1. South Dakota	9,220	\$7.35	\$15,280	2.60
2. West Virginia	16,160	6.37	13,240	2.37
3. Arizona	49,780	6.78	14,100	2.20
4. Missouri	54,410	7.19	14,960	2.07
5. Washington	52,820	8.63	17,960	2.06
<i>Top paying States for this occupation</i>				
1. Connecticut	17,930	8.97	18,650	1.09
2. District of Columbia	9,950	8.88	18,470	1.67
3. Alaska	4,540	8.69	18,070	1.55
4. Washington	52,820	8.63	17,960	2.06
5. Massachusetts	46,860	8.56	17,810	1.48

MSA	Employment	Hourly mean wage	Annual mean wage	Percent of MSA employment
<i>MSAs with the highest concentration of workers in this occupation³</i>				
1. Jacksonville, NC MSA	1,760	\$6.28	\$13,060	4.87
2. Redding, CA MSA	2,390	7.45	15,490	3.74
3. Gadsden, AL MSA	1,310	6.18	12,850	3.73
4. Panama City, FL MSA	2,180	6.69	13,920	3.55
5. Fayetteville, NC MSA	3,520	6.81	14,170	3.34
<i>Top paying MSAs for this occupation</i>				
1. Danbury, CT PMSA	690	9.83	20,440	0.78
2. Stamford-Norwalk, CT PMSA	1,620	9.24	19,210	0.81
3. Hartford, CT MSA	5,500	9.14	19,010	0.92
4. Lowell, MA-NH PMSA	2,200	9.13	18,980	1.77
5. San Francisco, CA PMSA	12,180	9.09	18,900	1.25

See footnotes at end of table.

Table 3. Employment and Wages for Selected Occupations by Industry, States, and MSA, May 2003—Continued

35-3031 Waiters and waitresses

Take orders and serve food and beverages to patrons at tables in dining establishment.

Industry	Employment	Hourly mean wage	Annual mean wage	
<i>Top industries by employment for this occupation¹</i>				
1. Full-service restaurants	1,509,920	\$7.49	\$15,580	
2. Limited-service eating places	158,820	6.99	14,530	
3. Traveler accommodation	134,620	8.04	16,710	
4. Drinking places, alcoholic beverages	79,880	7.03	14,620	
5. Other amusement and recreation industries	71,580	8.88	18,460	
<i>Top paying industries for this occupation</i>				
1. Other personal services	110	14.42	29,990	
2. Rail transportation	1,040	13.33	27,720	
3. Federal government (OES designation)	-	12.02	25,000	
4. Travel arrangement and reservation services	130	11.13	23,150	
5. Fruit and vegetable preserving and specialty	70	11.08	23,040	

State	Employment	Hourly mean wage	Annual mean wage	Percent of State employment
<i>States with the highest concentration of workers in this occupation²</i>				
1. Nevada	33,100	\$7.68	\$15,970	3.11
2. Hawaii	14,770	10.59	22,030	2.67
3. Rhode Island	10,260	7.99	16,610	2.16
4. Montana	8,420	6.45	13,420	2.13
5. Wyoming	5,040	7.09	14,750	2.09
<i>Top paying States for this occupation</i>				
1. Hawaii	14,770	10.59	22,030	2.67
2. Massachusetts	56,670	9.97	20,740	1.79
3. New York	119,730	9.11	18,940	1.45
4. Washington	44,490	9.04	18,810	1.74
5. Vermont	5,640	8.96	18,640	1.94

MSA	Employment	Hourly mean wage	Annual mean wage	Percent of MSA employment
<i>MSAs with the highest concentration of workers in this occupation³</i>				
1. Myrtle Beach, SC MSA	4,710	\$7.56	\$15,720	4.64
2. Atlantic-Cape May, NJ PMSA	6,560	9.07	18,870	3.58
3. Las Vegas, NV-AZ MSA	26,690	7.98	16,600	3.33
4. Naples, FL MSA	3,660	9.13	18,980	3.23
5. Flagstaff, AZ-UT MSA	1,730	6.56	13,640	3.20
<i>Top paying MSAs for this occupation</i>				
1. New York, NY PMSA	48,230	11.49	23,900	1.21
2. Pittsfield, MA MSA	770	11.06	23,000	1.84
3. Honolulu, HI MSA	8,820	10.39	21,600	2.20
4. Danbury, CT PMSA	1,890	10.17	21,160	2.12
5. Boston, MA-NH PMSA	34,160	10.17	21,160	1.78

See footnotes at end of table.

Table 3. Employment and Wages for Selected Occupations by Industry, State, and MSA, May 2003—Continued

37-1011 First-line supervisors/managers of housekeeping and janitorial workers

Supervise work activities of cleaning personnel in hotels, hospitals, offices, and other establishments.

Industry	Employment	Hourly mean wage	Annual mean wage
<i>Top industries by employment for this occupation¹</i>			
1. Services to buildings and dwellings	53,720	\$14.36	\$29,860
2. Traveler accommodation	32,700	12.02	25,010
3. Elementary and secondary schools	30,530	16.87	35,090
4. Nursing care facilities	10,520	13.82	28,750
5. General medical and surgical hospitals	8,950	15.14	31,490
<i>Top paying industries for this occupation</i>			
1. Couriers	-	25.59	53,230
2. Other financial investment activities	80	24.09	50,100
3. Advertising and related services	60	23.31	48,480
4. Power generation and supply	50	23.14	48,120
5. Other fabricated metal product manufacturing	50	22.79	47,400

State	Employment	Hourly mean wage	Annual mean wage	Percent of State employment
<i>States with the highest concentration of workers in this occupation²</i>				
1. Hawaii	1,860	\$14.73	\$30,630	0.34
2. Nevada	3,200	13.70	28,500	0.30
3. Delaware	1,060	13.81	28,720	0.26
4. South Carolina	4,120	12.39	25,780	0.23
5. Maryland	5,390	16.10	33,480	0.22
<i>Top paying States for this occupation</i>				
1. Connecticut	2,570	18.80	39,100	0.16
2. New York	14,560	18.54	38,560	0.18
3. California	18,380	17.41	36,210	0.13
4. New Jersey	7,690	17.25	35,880	0.20
5. Massachusetts	5,460	17.18	35,740	0.17

MSA	Employment	Hourly mean wage	Annual mean wage	Percent of MSA employment
<i>MSAs with the highest concentration of workers in this occupation³</i>				
1. Myrtle Beach, SC MSA	630	\$11.43	\$23,780	0.62
2. Atlantic-Cape May, NJ PMSA	1,040	14.36	29,880	0.57
3. Flagstaff, AZ-UT MSA	240	11.63	24,180	0.44
4. Panama City, FL MSA	230	10.59	22,040	0.37
5. Dover, DE MSA	190	13.10	27,250	0.36
<i>Top paying MSAs for this occupation</i>				
1. Bridgeport, CT PMSA	310	22.00	45,760	0.17
2. Nassau-Suffolk, NY PMSA	1,920	21.70	45,140	0.16
3. Danbury, CT PMSA	150	20.30	42,230	0.17
4. Lowell, MA-NH PMSA	170	19.89	41,380	0.14
5. Waterbury, CT PMSA	100	19.53	40,610	0.12

See footnotes at end of table.

Table 3. Employment and Wages for Selected Occupations by Industry, States, and MSA, May 2003—Continued

37-1012 First-line supervisors/managers of landscaping, lawn service, and groundskeeping workers

Plan, organize, direct, or coordinate activities of workers engaged in landscaping or groundskeeping activities, such as planting and maintaining ornamental trees, shrubs, flowers, and lawns, and applying fertilizers, pesticides, and other chemicals, according to contract specifications. May also coordinate activities of workers engaged in terracing hillsides, building retaining walls, constructing pathways, installing patios, and similar activities in following a landscape design plan. Work may involve reviewing contracts to ascertain service, machine, and work force requirements; answering inquiries from potential customers regarding methods, material, and price ranges; and preparing estimates according to labor, material, and machine costs.

Industry	Employment	Hourly mean wage	Annual mean wage		
<i>Top industries by employment for this occupation¹</i>					
1. Services to buildings and dwellings	48,860	\$16.96	\$35,270		
2. Local government (OES designation)	9,040	20.24	42,090		
3. Other amusement and recreation industries	8,690	21.93	45,610		
4. Traveler accommodation	2,930	14.91	31,020		
5. Death care services	2,600	16.60	34,540		
<i>Top paying industries for this occupation</i>					
1. Nonresidential building construction	150	26.74	55,620		
2. Federal government (OES designation)	170	25.13	52,270		
3. Power generation and supply	70	24.36	50,670		
4. Support activities for crop production	-	22.79	47,400		
5. Spectator sports	120	22.21	46,190		

State	Employment	Hourly mean wage	Annual mean wage	Percent of State employment
<i>States with the highest concentration of workers in this occupation²</i>				
1. Hawaii	730	\$18.35	\$38,170	0.13
2. Georgia	4,770	15.37	31,970	0.13
3. Arizona	2,770	15.42	32,060	0.12
4. Wyoming	270	17.54	36,490	0.11
5. Rhode Island	520	21.54	44,790	0.11
<i>Top paying States for this occupation</i>				
1. Connecticut	1,240	23.74	49,380	0.08
2. New York	4,090	23.70	49,300	0.05
3. Washington	1,130	21.64	45,010	0.04
4. Rhode Island	520	21.54	44,790	0.11
5. New Jersey	3,010	20.55	42,740	0.08

MSA	Employment	Hourly mean wage	Annual mean wage	Percent of MSA employment
<i>MSAs with the highest concentration of workers in this occupation³</i>				
1. Naples, FL MSA	360	\$17.83	\$37,090	0.32
2. Fort Pierce-Port St. Lucie, FL MSA	300	16.97	35,300	0.28
3. Fort Myers-Cape Coral, FL MSA	510	14.96	31,120	0.27
4. Myrtle Beach, SC MSA	260	16.03	33,350	0.26
5. Barnstable-Yarmouth, MA MSA	160	20.60	42,850	0.24
<i>Top paying MSAs for this occupation</i>				
1. Nassau-Suffolk, NY PMSA	1,100	31.05	64,580	0.09
2. Danbury, CT PMSA	40	26.18	54,450	0.05
3. New London-Norwich, CT-RI MSA	100	25.18	52,380	0.07
4. Tacoma, WA PMSA	200	25.18	52,360	0.09
5. Stamford-Norwalk, CT PMSA	260	25.05	52,100	0.13

See footnotes at end of table.

Table 3. Employment and Wages for Selected Occupations by Industry, State, and MSA, May 2003—Continued

37-2011 Janitors and cleaners, except maids and housekeeping cleaners

Keep buildings in clean and orderly condition. Perform heavy cleaning duties, such as cleaning floors, shampooing rugs, washing walls and glass, and removing rubbish. Duties may include tending furnace and boiler, performing routine maintenance activities, notifying management of need for repairs, and cleaning snow or debris from sidewalk.

Industry	Employment	Hourly mean wage	Annual mean wage	
<i>Top industries by employment for this occupation¹</i>				
1. Services to buildings and dwellings	665,660	\$8.50	\$17,690	
2. Elementary and secondary schools	353,820	11.49	23,900	
3. Local government (OES designation)	84,940	11.61	24,150	
4. Colleges and universities	81,340	10.74	22,340	
5. Lessors of real estate	51,080	10.74	22,350	
<i>Top paying industries for this occupation</i>				
1. Motor vehicle parts manufacturing	4,260	16.47	34,260	
2. Federal government (OES designation)	28,220	15.67	32,590	
3. Metal ore mining	80	15.08	31,360	
4. Iron and steel mills and ferroalloy mfg.	420	14.79	30,760	
5. Natural gas distribution	160	14.40	29,960	

State	Employment	Hourly mean wage	Annual mean wage	Percent of State employment
<i>States with the highest concentration of workers in this occupation²</i>				
1. District of Columbia	15,500	\$9.56	\$19,880	2.61
2. Hawaii	12,960	9.76	20,300	2.34
3. Nevada	24,840	10.21	21,230	2.33
4. New York	175,280	11.71	24,360	2.12
5. South Dakota	7,500	8.54	17,760	2.12
<i>Top paying States for this occupation</i>				
1. Alaska	5,790	11.94	24,830	1.98
2. Massachusetts	56,950	11.72	24,370	1.79
3. New York	175,280	11.71	24,360	2.12
4. Connecticut	30,800	11.37	23,640	1.88
5. Michigan	70,530	11.16	23,210	1.63

MSA	Employment	Hourly mean wage	Annual mean wage	Percent of MSA employment
<i>MSAs with the highest concentration of workers in this occupation³</i>				
1. Brownsville-Harlingen-San Benito, TX MSA	3,000	\$7.47	\$15,540	2.67
2. Atlantic-Cape May, NJ PMSA	4,480	11.02	22,910	2.45
3. Reno, NV MSA	4,680	9.04	18,790	2.39
4. Newark, NJ PMSA	23,010	10.05	20,900	2.38
5. Honolulu, HI MSA	9,420	9.53	19,820	2.35
<i>Top paying MSAs for this occupation</i>				
1. Kokomo, IN MSA	770	13.68	28,450	1.62
2. Flint, MI PMSA	2,400	13.60	28,280	1.49
3. New York, NY PMSA	92,280	12.70	26,410	2.32
4. Danbury, CT PMSA	1,090	12.66	26,330	1.22
5. Bridgeport, CT PMSA	4,030	12.66	26,330	2.18

See footnotes at end of table.

Table 3. Employment and Wages for Selected Occupations by Industry, States, and MSA, May 2003—Continued

37-2012 Maids and housekeeping cleaners

Perform any combination of light cleaning duties to maintain private households or commercial establishments, such as hotels, restaurants, and hospitals, in a clean and orderly manner. Duties include making beds, replenishing linens, cleaning rooms and halls, and vacuuming.

Industry	Employment	Hourly mean wage	Annual mean wage
<i>Top industries by employment for this occupation¹</i>			
1. Traveler accommodation	385,980	\$8.14	\$16,930
2. General medical and surgical hospitals	118,480	9.20	19,130
3. Services to buildings and dwellings	100,620	8.25	17,150
4. Nursing care facilities	79,280	8.40	17,480
5. Community care facilities for the elderly	30,980	8.20	17,050
<i>Top paying industries for this occupation</i>			
1. Newspaper, book, and directory publishers	-	13.17	27,390
2. Cut and sew apparel manufacturing	50	13.07	27,180
3. Glass and glass product manufacturing	40	12.45	25,900
4. Support activities for animal production	-	12.41	25,800
5. Specialized design services	80	11.97	24,900

State	Employment	Hourly mean wage	Annual mean wage	Percent of State employment
<i>States with the highest concentration of workers in this occupation²</i>				
1. Nevada	20,260	\$10.01	\$20,820	1.90
2. Hawaii	10,040	11.39	23,690	1.82
3. Wyoming	3,210	7.63	15,870	1.33
4. South Dakota	3,890	7.63	15,870	1.10
5. New Mexico	7,930	6.99	14,540	1.08
<i>Top paying States for this occupation</i>				
1. New York	47,600	11.49	23,900	0.58
2. Hawaii	10,040	11.39	23,690	1.82
3. District of Columbia	5,260	11.14	23,180	0.89
4. Nevada	20,260	10.01	20,820	1.90
5. Alaska	2,370	10.01	20,820	0.81

MSA	Employment	Hourly mean wage	Annual mean wage	Percent of MSA employment
<i>MSAs with the highest concentration of workers in this occupation³</i>				
1. Myrtle Beach, SC MSA	3,300	\$7.81	\$16,250	3.25
2. Atlantic-Cape May, NJ PMSA	4,470	9.70	20,170	2.44
3. Flagstaff, AZ-UT MSA	1,230	6.77	14,090	2.28
4. Las Vegas, NV-AZ MSA	16,840	10.29	21,400	2.10
5. Fort Walton Beach, FL MSA	1,420	8.90	18,500	1.77
<i>Top paying MSAs for this occupation</i>				
1. New York, NY PMSA	24,830	14.03	29,180	0.62
2. San Francisco, CA PMSA	9,180	11.55	24,020	0.94
3. Honolulu, HI MSA	5,740	10.95	22,780	1.43
4. Nassau-Suffolk, NY PMSA	4,900	10.79	22,450	0.41
5. Kenosha, WI PMSA	330	10.79	22,430	0.64

See footnotes at end of table.

Table 3. Employment and Wages for Selected Occupations by Industry, State, and MSA, May 2003—Continued

37-3011 Landscaping and groundskeeping workers

Landscape or maintain grounds of property using hand or power tools or equipment. Workers typically perform a variety of tasks, which may include any combination of the following: sod laying, mowing, trimming, planting, watering, fertilizing, digging, raking, sprinkler installation, and installation of mortarless segmental concrete masonry wall units.

Industry	Employment	Hourly mean wage	Annual mean wage		
<i>Top industries by employment for this occupation¹</i>					
1. Services to buildings and dwellings	365,950	\$10.05	\$20,900		
2. Other amusement and recreation industries	103,900	9.60	19,970		
3. Local government (OES designation)	73,020	12.44	25,880		
4. Employment services	29,660	8.89	18,490		
5. Elementary and secondary schools	22,550	13.61	28,310		
<i>Top paying industries for this occupation</i>					
1. Power generation and supply	330	18.87	39,260		
2. Wired telecommunications carriers	-	16.51	34,350		
3. Federal government (OES designation)	1,180	16.39	34,090		
4. Other chemical product and preparation mfg.	40	15.86	32,980		
5. Commercial and service industry machinery	40	15.81	32,890		

State	Employment	Hourly mean wage	Annual mean wage	Percent of State employment
<i>States with the highest concentration of workers in this occupation²</i>				
1. Hawaii	6,280	\$11.58	\$24,080	1.14
2. Florida	78,510	9.32	19,390	1.09
3. Arizona	23,500	9.09	18,900	1.04
4. Nevada	10,390	11.77	24,480	0.98
5. Rhode Island	4,040	11.35	23,600	0.85
<i>Top paying States for this occupation</i>				
1. Massachusetts	19,280	13.05	27,150	0.61
2. Connecticut	13,370	12.56	26,120	0.82
3. New York	40,190	12.02	25,000	0.49
4. Alaska	820	11.91	24,780	0.28
5. District of Columbia	1,220	11.86	24,660	0.21

MSA	Employment	Hourly mean wage	Annual mean wage	Percent of MSA employment
<i>MSAs with the highest concentration of workers in this occupation³</i>				
1. Naples, FL MSA	3,180	\$10.13	\$21,070	2.81
2. West Palm Beach-Boca Raton, FL MSA	11,390	8.79	18,280	2.20
3. Fort Pierce-Port St. Lucie, FL MSA	2,280	9.39	19,530	2.11
4. Barnstable-Yarmouth, MA MSA	1,240	11.66	24,260	1.88
5. Fort Myers-Cape Coral, FL MSA	3,180	10.28	21,380	1.68
<i>Top paying MSAs for this occupation</i>				
1. New York, NY PMSA	11,350	14.58	30,330	0.29
2. Lowell, MA-NH PMSA	630	14.26	29,670	0.51
3. San Francisco, CA PMSA	6,060	13.80	28,710	0.62
4. Danbury, CT PMSA	1,320	13.79	28,690	1.48
5. Boston, MA-NH PMSA	10,370	13.63	28,350	0.54

See footnotes at end of table.

Table 3. Employment and Wages for Selected Occupations by Industry, States, and MSA, May 2003—Continued

39-3091 Amusement and recreation attendants

Perform variety of attending duties at amusement or recreation facility. May schedule use of recreation facilities, maintain and provide equipment to participants of sporting events or recreational pursuits, or operate amusement concessions and rides.

Industry	Employment	Hourly mean wage	Annual mean wage
<i>Top industries by employment for this occupation¹</i>			
1. Other amusement and recreation industries	91,090	\$7.61	\$15,830
2. Amusement parks and arcades	49,580	7.36	15,300
3. Local government (OES designation)	41,700	8.96	18,630
4. Traveler accommodation	8,800	8.11	16,880
5. Civic and social organizations	7,750	7.80	16,230
<i>Top paying industries for this occupation</i>			
1. Junior colleges	170	10.50	21,840
2. Special food services	470	10.23	21,290
3. Colleges and universities	950	9.88	20,560
4. Other residential care facilities	-	9.85	20,500
5. Community care facilities for the elderly	80	9.74	20,250

State	Employment	Hourly mean wage	Annual mean wage	Percent of State employment
<i>States with the highest concentration of workers in this occupation²</i>				
1. Minnesota	10,560	\$8.00	\$16,640	0.41
2. Florida	26,810	7.40	15,390	0.37
3. Nevada	3,670	7.60	15,810	0.35
4. North Dakota	990	7.29	15,160	0.32
5. Utah	2,930	7.32	15,230	0.28
<i>Top paying States for this occupation</i>				
1. Alaska	500	11.50	23,920	0.17
2. Hawaii	1,460	9.89	20,560	0.26
3. Connecticut	1,840	9.62	20,010	0.11
4. Illinois	7,150	8.94	18,600	0.12
5. Massachusetts	3,520	8.93	18,560	0.11

MSA	Employment	Hourly mean wage	Annual mean wage	Percent of MSA employment
<i>MSAs with the highest concentration of workers in this occupation³</i>				
1. Myrtle Beach, SC MSA	990	\$6.79	\$14,130	0.97
2. Orange County, CA PMSA	13,310	7.47	15,530	0.93
3. Atlantic-Cape May, NJ PMSA	1,540	6.94	14,430	0.84
4. Naples, FL MSA	840	8.12	16,890	0.74
5. Wilmington, NC MSA	710	6.45	13,410	0.64
<i>Top paying MSAs for this occupation</i>				
1. Jackson, TN MSA	40	11.91	24,770	0.07
2. Danbury, CT PMSA	120	11.64	24,200	0.14
3. New Haven-Meriden, CT PMSA	120	11.44	23,800	0.05
4. Bloomington-Normal, IL MSA	90	10.91	22,690	0.12
5. Kankakee, IL PMSA	-	10.84	22,550	0.00

See footnotes at end of table.

Table 3. Employment and Wages for Selected Occupations by Industry, State, and MSA, May 2003—Continued

39-5012 Hairdressers, hairstylists, and cosmetologists

Provide beauty services, such as shampooing, cutting, coloring, and styling hair, and massaging and treating scalp. May also apply makeup, dress wigs, perform hair removal, and provide nail and skin care services.

Industry	Employment	Hourly mean wage	Annual mean wage	
<i>Top industries by employment for this occupation¹</i>				
1. Personal care services	300,490	\$10.46	\$21,750	
2. Health and personal care stores	3,490	10.13	21,070	
3. Technical and trade schools	3,200	11.16	23,220	
4. Other general merchandise stores	930	10.81	22,480	
5. Nursing care facilities	840	10.88	22,630	
<i>Top paying industries for this occupation</i>				
1. Offices of physicians	-	41.84	87,020	
2. Psychiatric and substance abuse hospitals	-	13.35	27,770	
3. State government (OES designation)	120	13.32	27,710	
4. Clothing stores	510	13.19	27,430	
5. Other amusement and recreation industries	550	13.03	27,090	

State	Employment	Hourly mean wage	Annual mean wage	Percent of State employment
<i>States with the highest concentration of workers in this occupation²</i>				
1. New Jersey	16,150	\$10.43	\$21,700	0.42
2. North Dakota	1,270	9.43	19,620	0.40
3. Maryland	9,570	10.50	21,830	0.39
4. Pennsylvania	21,490	9.15	19,040	0.39
5. Wisconsin	10,380	10.74	22,340	0.39
<i>Top paying States for this occupation</i>				
1. District of Columbia	860	22.17	46,110	0.15
2. Hawaii	1,030	15.13	31,480	0.19
3. Washington	5,750	12.63	26,280	0.22
4. Alaska	500	12.46	25,910	0.17
5. Connecticut	6,070	12.41	25,810	0.37

MSA	Employment	Hourly mean wage	Annual mean wage	Percent of MSA employment
<i>MSAs with the highest concentration of workers in this occupation³</i>				
1. Kenosha, WI PMSA	400	\$10.17	\$21,160	0.77
2. Monmouth-Ocean, NJ PMSA	2,770	10.29	21,400	0.70
3. New London-Norwich, CT-RI MSA	850	11.44	23,800	0.59
4. Punta Gorda, FL MSA	240	9.54	19,840	0.59
5. Sheboygan, WI MSA	330	10.27	21,350	0.57
<i>Top paying MSAs for this occupation</i>				
1. Stamford-Norwalk, CT PMSA	850	17.16	35,690	0.43
2. Sarasota-Bradenton, FL MSA	1,020	15.66	32,560	0.37
3. Honolulu, HI MSA	800	15.60	32,440	0.20
4. Iowa City, IA MSA	150	15.34	31,920	0.22
5. San Francisco, CA PMSA	1,480	15.27	31,760	0.15

See footnotes at end of table.

Table 3. Employment and Wages for Selected Occupations by Industry, States, and MSA, May 2003—Continued

39-9011 Child care workers

Attend to children at schools, businesses, private households, and child care institutions. Perform a variety of tasks, such as dressing, feeding, bathing, and overseeing play.

Industry	Employment	Hourly mean wage	Annual mean wage		
<i>Top industries by employment for this occupation¹</i>					
1. Child day care services	198,650	\$7.56	\$15,710		
2. Elementary and secondary schools	98,830	9.28	19,300		
3. Other residential care facilities	29,150	9.64	20,060		
4. Other amusement and recreation industries	25,530	7.59	15,780		
5. Civic and social organizations	24,430	7.79	16,190		
<i>Top paying industries for this occupation</i>					
1. State government (OES designation)	420	13.44	27,960		
2. Scientific research and development services	40	13.28	27,620		
3. Offices of physicians	100	10.66	22,170		
4. Gambling industries	-	10.29	21,400		
5. Residential mental health facilities	13,480	10.05	20,910		

State	Employment	Hourly mean wage	Annual mean wage	Percent of State employment
<i>States with the highest concentration of workers in this occupation²</i>				
1. Vermont	2,240	\$9.04	\$18,810	0.77
2. South Dakota	2,400	7.20	14,980	0.68
3. Wyoming	1,520	7.34	15,260	0.63
4. New Jersey	24,250	8.41	17,500	0.63
5. Arkansas	6,780	6.74	14,020	0.61
<i>Top paying States for this occupation</i>				
1. Massachusetts	10,720	10.45	21,730	0.34
2. New York	48,500	9.95	20,700	0.59
3. Connecticut	6,520	9.83	20,440	0.40
4. California	40,080	9.81	20,410	0.28
5. Maryland	7,140	9.62	20,000	0.29

MSA	Employment	Hourly mean wage	Annual mean wage	Percent of MSA employment
<i>MSAs with the highest concentration of workers in this occupation³</i>				
1. Lawrence, KS MSA	670	\$8.43	\$17,530	1.43
2. Redding, CA MSA	660	8.75	18,190	1.03
3. Iowa City, IA MSA	600	7.10	14,760	0.90
4. Clarksville-Hopkinsville, TN-KY MSA	570	6.48	13,480	0.87
5. Missoula, MT MSA	450	7.15	14,880	0.86
<i>Top paying MSAs for this occupation</i>				
1. Danville, VA MSA	-	13.19	27,430	0.00
2. San Francisco, CA PMSA	2,250	12.42	25,830	0.23
3. San Jose, CA PMSA	2,530	10.95	22,770	0.29
4. Boston, MA-NH PMSA	6,510	10.85	22,560	0.34
5. Orange County, CA PMSA	2,910	10.84	22,540	0.20

See footnotes at end of table.

Table 3. Employment and Wages for Selected Occupations by Industry, State, and MSA, May 2003—Continued

39-9021 Personal and home care aides

Assist elderly or disabled adults with daily living activities at the person's home or in a daytime non-residential facility. Duties performed at a place of residence may include keeping house (making beds, doing laundry, washing dishes) and preparing meals. May provide meals and supervised activities at non-residential care facilities. May advise families, the elderly, and disabled on such things as nutrition, cleanliness, and household utilities.

Industry	Employment	Hourly mean wage	Annual mean wage		
<i>Top industries by employment for this occupation¹</i>					
1. Home health care services	154,940	\$7.13	\$14,830		
2. Individual and family services	130,150	8.38	17,420		
3. Residential mental health facilities	76,020	8.98	18,680		
4. Community care facilities for the elderly	38,210	8.66	18,010		
5. Vocational rehabilitation services	21,380	8.80	18,300		
<i>Top paying industries for this occupation</i>					
1. Other investment pools and funds	40	14.53	30,230		
2. State government (OES designation)	2,480	10.78	22,430		
3. Psychiatric and substance abuse hospitals	680	10.15	21,120		
4. Other hospitals	370	9.98	20,750		
5. Local government (OES designation)	5,080	9.88	20,540		

State	Employment	Hourly mean wage	Annual mean wage	Percent of State employment
<i>States with the highest concentration of workers in this occupation²</i>				
1. Texas	98,940	\$6.42	\$13,350	1.08
2. New York	67,140	8.52	17,720	0.81
3. Minnesota	18,710	9.69	20,150	0.72
4. Maine	4,080	8.80	18,300	0.69
5. Kansas	8,650	8.59	17,860	0.67
<i>Top paying States for this occupation</i>				
1. Rhode Island	1,680	11.09	23,070	0.35
2. Alaska	1,460	10.89	22,650	0.50
3. Connecticut	4,270	10.28	21,370	0.26
4. Massachusetts	9,420	10.02	20,840	0.30
5. Minnesota	18,710	9.69	20,150	0.72

MSA	Employment	Hourly mean wage	Annual mean wage	Percent of MSA employment
<i>MSAs with the highest concentration of workers in this occupation³</i>				
1. Brownsville-Harlingen-San Benito, TX MSA	7,990	\$6.08	\$12,650	7.11
2. McAllen-Edinburg-Mission, TX MSA	9,070	6.28	13,050	5.13
3. Laredo, TX MSA	2,740	5.83	12,120	3.67
4. San Angelo, TX MSA	1,120	6.37	13,240	2.56
5. Pueblo, CO MSA	1,160	7.41	15,410	2.17
<i>Top paying MSAs for this occupation</i>				
1. Bridgeport, CT PMSA	130	14.09	29,310	0.07
2. Tucson, AZ MSA	880	13.57	28,220	0.26
3. Stamford-Norwalk, CT PMSA	360	13.22	27,500	0.18
4. New London-Norwich, CT-RI MSA	470	11.92	24,800	0.33
5. Danbury, CT PMSA	50	11.56	24,040	0.06

See footnotes at end of table.

Table 3. Employment and Wages for Selected Occupations by Industry, States, and MSA, May 2003—Continued

39-9032 Recreation workers

Conduct recreation activities with groups in public, private, or volunteer agencies or recreation facilities. Organize and promote activities, such as arts and crafts, sports, games, music, dramatics, social recreation, camping, and hobbies, taking into account the needs and interests of individual members.

Industry	Employment	Hourly mean wage	Annual mean wage
<i>Top industries by employment for this occupation¹</i>			
1. Local government (OES designation)	104,200	\$10.62	\$22,080
2. Civic and social organizations	38,830	8.78	18,260
3. Nursing care facilities	27,690	10.17	21,150
4. Other amusement and recreation industries	15,270	8.80	18,310
5. Individual and family services	14,880	9.87	20,520
<i>Top paying industries for this occupation</i>			
1. Performing arts companies	260	19.45	40,460
2. State government (OES designation)	3,580	16.54	34,400
3. Federal government (OES designation)	3,220	14.26	29,660
4. Psychiatric and substance abuse hospitals	810	13.52	28,120
5. Newspaper, book, and directory publishers	-	12.81	26,650

State	Employment	Hourly mean wage	Annual mean wage	Percent of State employment
<i>States with the highest concentration of workers in this occupation²</i>				
1. Connecticut	6,070	\$12.31	\$25,600	0.37
2. Vermont	890	10.26	21,330	0.31
3. Iowa	4,180	9.08	18,890	0.30
4. New York	24,040	10.12	21,040	0.29
5. Hawaii	1,550	12.04	25,050	0.28
<i>Top paying States for this occupation</i>				
1. District of Columbia	750	13.50	28,080	0.13
2. Connecticut	6,070	12.31	25,600	0.37
3. Hawaii	1,550	12.04	25,050	0.28
4. Washington	5,570	11.87	24,690	0.22
5. Arizona	4,560	11.77	24,480	0.20

MSA	Employment	Hourly mean wage	Annual mean wage	Percent of MSA employment
<i>MSAs with the highest concentration of workers in this occupation³</i>				
1. Chico-Paradise, CA MSA	520	\$8.37	\$17,420	0.73
2. San Luis Obispo-Atascadero-Paso Robles, CA MSA	630	8.92	18,560	0.64
3. Miami, FL PMSA	5,180	8.99	18,710	0.52
4. Elmira, NY MSA	200	11.04	22,950	0.51
5. Barnstable-Yarmouth, MA MSA	330	10.14	21,100	0.50
<i>Top paying MSAs for this occupation</i>				
1. New London-Norwich, CT-RI MSA	250	14.76	30,700	0.17
2. Champaign-Urbana, IL MSA	150	14.67	30,510	0.16
3. Tacoma, WA PMSA	340	14.61	30,380	0.15
4. Bridgeport, CT PMSA	540	13.98	29,080	0.29
5. San Jose, CA PMSA	3,340	13.85	28,800	0.38

See footnotes at end of table.

Table 3. Employment and Wages for Selected Occupations by Industry, State, and MSA, May 2003—Continued

41-1011 First-line supervisors/managers of retail sales workers

Directly supervise sales workers in a retail establishment or department. Duties may include management functions, such as purchasing, budgeting, accounting, and personnel work, in addition to supervisory duties.

Industry	Employment	Hourly mean wage	Annual mean wage	
<i>Top industries by employment for this occupation¹</i>				
1. Grocery stores	136,660	\$15.54	\$32,320	
2. Clothing stores	119,200	15.21	31,640	
3. Gasoline stations	90,000	13.16	27,370	
4. Building material and supplies dealers	73,090	18.11	37,670	
5. Other general merchandise stores	67,900	13.56	28,210	
<i>Top paying industries for this occupation</i>				
1. Residential building construction	210	36.51	75,950	
2. Securities and commodity contracts brokerage	500	34.94	72,680	
3. Automobile dealers	53,280	34.21	71,170	
4. Building finishing contractors	440	33.30	69,250	
5. Computer systems design and related services	1,350	33.19	69,030	

State	Employment	Hourly mean wage	Annual mean wage	Percent of State employment
<i>States with the highest concentration of workers in this occupation²</i>				
1. New Hampshire	7,320	\$16.40	\$34,110	1.21
2. South Carolina	20,420	15.79	32,840	1.16
3. Alabama	20,560	14.78	30,740	1.13
4. Maine	6,440	15.59	32,420	1.09
5. West Virginia	7,370	13.24	27,540	1.08
<i>Top paying States for this occupation</i>				
1. Washington	21,230	20.64	42,920	0.83
2. Connecticut	14,170	20.49	42,620	0.86
3. New Jersey	32,030	19.90	41,400	0.83
4. Colorado	20,270	19.54	40,640	0.96
5. Delaware	4,310	19.39	40,330	1.07

MSA	Employment	Hourly mean wage	Annual mean wage	Percent of MSA employment
<i>MSAs with the highest concentration of workers in this occupation³</i>				
1. Barnstable-Yarmouth, MA MSA	1,210	\$17.56	\$36,520	1.84
2. Myrtle Beach, SC MSA	1,810	14.92	31,030	1.78
3. Bloomington-Normal, IL MSA	1,270	12.87	26,760	1.62
4. Jacksonville, NC MSA	580	14.79	30,770	1.61
5. Mobile, AL MSA	3,250	17.40	36,190	1.52
<i>Top paying MSAs for this occupation</i>				
1. Stamford-Norwalk, CT PMSA	1,990	24.31	50,570	0.99
2. Seattle-Bellevue-Everett, WA PMSA	9,830	22.50	46,810	0.76
3. Wilmington-Newark, DE-MD PMSA	2,920	21.60	44,920	0.96
4. Bridgeport, CT PMSA	1,550	21.48	44,670	0.84
5. Bergen-Passaic, NJ PMSA	5,690	21.33	44,370	0.89

See footnotes at end of table.

Table 3. Employment and Wages for Selected Occupations by Industry, States, and MSA, May 2003—Continued

41-2011 Cashiers

Receive and disburse money in establishments other than financial institutions. Usually involves use of electronic scanners, cash registers, or related equipment. Often involved in processing credit or debit card transactions and validating checks.

Industry	Employment	Hourly mean wage	Annual mean wage	
<i>Top industries by employment for this occupation¹</i>				
1. Grocery stores	824,050	\$8.76	\$18,230	
2. Gasoline stations	508,680	7.46	15,520	
3. Other general merchandise stores	266,720	8.02	16,680	
4. Health and personal care stores	259,370	7.68	15,970	
5. Department stores	212,140	7.86	16,340	
<i>Top paying industries for this occupation</i>				
1. Federal government (OES designation)	5,660	19.01	39,540	
2. Support activities for water transportation	50	14.96	31,110	
3. Specialized freight trucking	350	14.18	29,490	
4. State government (OES designation)	11,460	13.53	28,130	
5. Power generation and supply	1,620	12.80	26,620	

State	Employment	Hourly mean wage	Annual mean wage	Percent of State employment
<i>States with the highest concentration of workers in this occupation²</i>				
1. Mississippi	39,740	\$6.98	\$14,520	3.66
2. Vermont	10,190	7.97	16,580	3.51
3. South Dakota	12,400	7.11	14,780	3.50
4. Nevada	34,930	9.16	19,060	3.28
5. New Hampshire	19,650	8.40	17,460	3.25
<i>Top paying States for this occupation</i>				
1. District of Columbia	6,570	10.39	21,610	1.11
2. California	362,380	10.01	20,830	2.50
3. Washington	79,540	10.00	20,790	3.11
4. Alaska	6,530	10.00	20,790	2.23
5. Oregon	33,600	9.62	20,010	2.18

MSA	Employment	Hourly mean wage	Annual mean wage	Percent of MSA employment
<i>MSAs with the highest concentration of workers in this occupation³</i>				
1. Barnstable-Yarmouth, MA MSA	2,900	\$9.12	\$18,980	4.40
2. Bellingham, WA MSA	2,950	9.53	19,820	4.32
3. Hattiesburg, MS MSA	2,060	7.29	15,160	4.27
4. Newburgh, NY-PA PMSA	5,720	7.92	16,470	4.23
5. Monmouth-Ocean, NJ PMSA	16,700	8.43	17,530	4.21
<i>Top paying MSAs for this occupation</i>				
1. San Francisco, CA PMSA	21,440	11.39	23,700	2.20
2. Santa Rosa, CA PMSA	5,550	11.22	23,330	2.91
3. Santa Cruz-Watsonville, CA PMSA	3,420	11.08	23,040	3.77
4. Seattle-Bellevue-Everett, WA PMSA	34,620	10.59	22,020	2.67
5. San Jose, CA PMSA	18,580	10.57	21,990	2.12

See footnotes at end of table.

Table 3. Employment and Wages for Selected Occupations by Industry, State, and MSA, May 2003—Continued

41-2021 Counter and rental clerks

Receive orders for repairs, rentals, and services. May describe available options, compute cost, and accept payment.

Industry	Employment	Hourly mean wage	Annual mean wage		
<i>Top industries by employment for this occupation¹</i>					
1. Consumer goods rental	99,390	\$8.05	\$16,740		
2. Drycleaning and laundry services	52,990	7.62	15,860		
3. Automotive equipment rental and leasing	44,380	11.01	22,900		
4. Automobile dealers	29,120	18.37	38,220		
5. Other amusement and recreation industries	20,380	7.89	16,420		
<i>Top paying industries for this occupation</i>					
1. Other specialty trade contractors	470	19.77	41,120		
2. Automobile dealers	29,120	18.37	38,220		
3. Support activities for mining	-	17.39	36,160		
4. Metal and mineral merchant wholesalers	-	16.98	35,310		
5. Charter bus industry	30	16.54	34,390		

State	Employment	Hourly mean wage	Annual mean wage	Percent of State employment
<i>States with the highest concentration of workers in this occupation²</i>				
1. Washington	17,910	\$10.52	\$21,890	0.70
2. Alaska	1,650	9.72	20,230	0.57
3. Utah	4,740	9.25	19,230	0.45
4. Hawaii	2,400	10.21	21,230	0.43
5. Vermont	1,250	9.35	19,440	0.43
<i>Top paying States for this occupation</i>				
1. Rhode Island	1,530	11.66	24,250	0.32
2. Arizona	8,140	11.46	23,830	0.36
3. Massachusetts	9,350	11.25	23,400	0.30
4. District of Columbia	320	11.20	23,290	0.05
5. California	59,480	11.16	23,210	0.41

MSA	Employment	Hourly mean wage	Annual mean wage	Percent of MSA employment
<i>MSAs with the highest concentration of workers in this occupation³</i>				
1. Yakima, WA MSA	650	\$8.97	\$18,660	0.85
2. Seattle-Bellevue-Everett, WA PMSA	9,720	10.90	22,670	0.75
3. Tacoma, WA PMSA	1,680	10.82	22,510	0.72
4. Bremerton, WA PMSA	520	10.01	20,810	0.71
5. Muncie, IN MSA	370	8.72	18,140	0.69
<i>Top paying MSAs for this occupation</i>				
1. Stamford-Norwalk, CT PMSA	440	14.83	30,860	0.22
2. Bridgeport, CT PMSA	240	12.65	26,310	0.13
3. San Jose, CA PMSA	2,570	12.59	26,190	0.29
4. Oakland, CA PMSA	4,270	12.40	25,790	0.42
5. Naples, FL MSA	240	12.32	25,630	0.21

See footnotes at end of table.

Table 3. Employment and Wages for Selected Occupations by Industry, States, and MSA, May 2003—Continued

41-2031 Retail salespersons

Sell merchandise, such as furniture, motor vehicles, appliances, or apparel in a retail establishment.

Industry	Employment	Hourly mean wage	Annual mean wage	
<i>Top industries by employment for this occupation¹</i>				
1. Department stores	675,810	\$8.97	\$18,660	
2. Clothing stores	572,230	8.79	18,280	
3. Building material and supplies dealers	335,010	11.92	24,800	
4. Other general merchandise stores	285,730	8.52	17,710	
5. Automobile dealers	267,620	20.92	43,520	
<i>Top paying industries for this occupation</i>				
1. Other electrical equipment and component mfg.	40	25.74	53,530	
2. Metalworking machinery manufacturing	-	23.95	49,820	
3. Support activities for mining	40	23.83	49,570	
4. Magnetic media manufacturing and reproducing	-	21.91	45,580	
5. Automobile dealers	267,620	20.92	43,520	

State	Employment	Hourly mean wage	Annual mean wage	Percent of State employment
<i>States with the highest concentration of workers in this occupation²</i>				
1. New Hampshire	24,840	\$11.39	\$23,700	4.11
2. Hawaii	22,020	10.13	21,070	3.98
3. Delaware	15,830	10.89	22,650	3.93
4. Montana	15,410	9.50	19,770	3.90
5. Colorado	80,520	11.53	23,980	3.81
<i>Top paying States for this occupation</i>				
1. Washington	64,840	12.68	26,370	2.53
2. Connecticut	50,100	12.24	25,450	3.05
3. Alaska	8,120	12.17	25,310	2.78
4. California	437,290	11.77	24,480	3.01
5. Nevada	32,470	11.65	24,230	3.05

MSA	Employment	Hourly mean wage	Annual mean wage	Percent of MSA employment
<i>MSAs with the highest concentration of workers in this occupation³</i>				
1. Barnstable-Yarmouth, MA MSA	4,180	\$10.83	\$22,520	6.34
2. Myrtle Beach, SC MSA	5,420	9.71	20,190	5.33
3. Punta Gorda, FL MSA	2,150	11.21	23,320	5.30
4. Dubuque, IA MSA	2,590	9.08	18,890	5.26
5. Laredo, TX MSA	3,810	8.20	17,050	5.10
<i>Top paying MSAs for this occupation</i>				
1. Stamford-Norwalk, CT PMSA	7,140	14.82	30,830	3.57
2. Tacoma, WA PMSA	6,620	13.34	27,750	2.82
3. San Francisco, CA PMSA	29,730	13.30	27,670	3.05
4. San Jose, CA PMSA	21,680	13.01	27,070	2.47
5. Manchester, NH PMSA	3,660	12.93	26,900	3.46

See footnotes at end of table.

Table 3. Employment and Wages for Selected Occupations by Industry, State, and MSA, May 2003—Continued

41-4012 Sales representatives, wholesale and manufacturing, except technical and scientific products

Sell goods for wholesalers or manufacturers to businesses or groups of individuals. Work requires substantial knowledge of items sold.

Industry	Employment	Hourly mean wage	Annual mean wage
<i>Top industries by employment for this occupation¹</i>			
1. Electronic markets and agents and brokers	168,310	\$29.86	\$62,100
2. Machinery and supply merchant wholesalers	101,200	24.53	51,020
3. Grocery and Related Product Wholesalers	83,950	24.63	51,220
4. Commercial equip. merchant wholesalers	63,360	25.86	53,800
5. Misc. nondurable goods merchant wholesalers	48,800	21.97	45,700
<i>Top paying industries for this occupation</i>			
1. Fiber, yarn, and thread mills	200	37.58	78,160
2. Other investment pools and funds	-	37.20	77,370
3. Oil and gas extraction	200	34.68	72,130
4. Power generation and supply	660	34.18	71,090
5. Converted paper product manufacturing	8,890	33.90	70,520

State	Employment	Hourly mean wage	Annual mean wage	Percent of State employment
<i>States with the highest concentration of workers in this occupation²</i>				
1. New York	123,520	\$29.72	\$61,810	1.50
2. Georgia	50,940	23.80	49,500	1.35
3. Washington	34,070	23.83	49,560	1.33
4. Ohio	68,380	25.75	53,560	1.28
5. Florida	90,780	24.25	50,440	1.26
<i>Top paying States for this occupation</i>				
1. Connecticut	19,810	33.56	69,800	1.21
2. Minnesota	31,190	30.29	62,990	1.20
3. New Jersey	44,200	30.24	62,900	1.14
4. New York	123,520	29.72	61,810	1.50
5. Massachusetts	32,920	28.35	58,960	1.04

MSA	Employment	Hourly mean wage	Annual mean wage	Percent of MSA employment
<i>MSAs with the highest concentration of workers in this occupation³</i>				
1. Kenosha, WI PMSA	980	\$38.45	\$79,980	1.89
2. Nassau-Suffolk, NY PMSA	22,080	32.71	68,040	1.85
3. Seattle-Bellevue-Everett, WA PMSA	23,280	24.55	51,070	1.79
4. Casper, WY MSA	550	16.49	34,290	1.68
5. Billings, MT MSA	1,130	17.79	37,010	1.68
<i>Top paying MSAs for this occupation</i>				
1. Danbury, CT PMSA	1,400	41.84	87,020	1.57
2. Stamford-Norwalk, CT PMSA	2,940	40.28	83,780	1.47
3. Kenosha, WI PMSA	980	38.45	79,980	1.89
4. Salinas, CA MSA	1,270	36.27	75,450	0.82
5. Fayetteville-Springdale-Rogers, AR MSA	1,900	35.54	73,930	1.16

See footnotes at end of table.

Table 3. Employment and Wages for Selected Occupations by Industry, States, and MSA, May 2003—Continued

43-3031 Bookkeeping, accounting, and auditing clerks

Compute, classify, and record numerical data to keep financial records complete. Perform any combination of routine calculating, posting, and verifying duties to obtain primary financial data for use in maintaining accounting records. May also check the accuracy of figures, calculations, and postings pertaining to business transactions recorded by other workers.

Industry	Employment	Hourly mean wage	Annual mean wage	
<i>Top industries by employment for this occupation¹</i>				
1. Accounting and bookkeeping services	86,930	\$13.50	\$28,070	
2. Local government (OES designation)	75,030	14.34	29,820	
3. Management of companies and enterprises	64,160	14.34	29,830	
4. Depository credit intermediation	51,540	12.30	25,580	
5. Employment services	41,120	12.29	25,570	
<i>Top paying industries for this occupation</i>				
1. Internet publishing and broadcasting	320	19.23	40,000	
2. Securities and commodity exchanges	70	18.89	39,290	
3. Other financial investment activities	9,210	18.47	38,410	
4. Natural gas distribution	1,330	18.04	37,530	
5. Insurance and employee benefit funds	1,830	17.62	36,660	

State	Employment	Hourly mean wage	Annual mean wage	Percent of State employment
<i>States with the highest concentration of workers in this occupation²</i>				
1. South Dakota	8,040	\$10.75	\$22,360	2.27
2. Vermont	5,920	13.33	27,720	2.04
3. North Dakota	6,360	10.84	22,550	2.03
4. Wyoming	4,320	11.31	23,520	1.79
5. Oregon	26,650	14.16	29,450	1.73
<i>Top paying States for this occupation</i>				
1. District of Columbia	4,820	17.70	36,820	0.81
2. Connecticut	26,150	16.74	34,820	1.59
3. Alaska	4,890	16.21	33,720	1.67
4. Massachusetts	44,860	16.04	33,350	1.41
5. California	206,100	15.87	33,010	1.42

MSA	Employment	Hourly mean wage	Annual mean wage	Percent of MSA employment
<i>MSAs with the highest concentration of workers in this occupation³</i>				
1. Rapid City, SD MSA	1,200	\$10.73	\$22,320	2.50
2. Sarasota-Bradenton, FL MSA	6,490	12.56	26,120	2.35
3. Bellingham, WA MSA	1,540	13.82	28,740	2.26
4. Danbury, CT PMSA	1,880	16.89	35,130	2.11
5. Casper, WY MSA	670	11.22	23,340	2.05
<i>Top paying MSAs for this occupation</i>				
1. Stamford-Norwalk, CT PMSA	3,850	19.43	40,410	1.92
2. San Jose, CA PMSA	9,850	18.64	38,770	1.12
3. San Francisco, CA PMSA	14,490	18.51	38,510	1.49
4. Oakland, CA PMSA	12,540	17.88	37,180	1.23
5. Santa Rosa, CA PMSA	3,070	17.27	35,910	1.61

See footnotes at end of table.

Table 3. Employment and Wages for Selected Occupations by Industry, State, and MSA, May 2003—Continued

43-4051 Customer service representatives

Interact with customers to provide information in response to inquiries about products and services and to handle and resolve complaints.

Industry	Employment	Hourly mean wage	Annual mean wage	
<i>Top industries by employment for this occupation¹</i>				
1. Insurance carriers	123,250	\$14.52	\$30,190	
2. Depository credit intermediation	121,670	12.64	26,280	
3. Business support services	114,590	10.84	22,540	
4. Insurance agencies, brokerages, and related	106,630	14.22	29,570	
5. Nondepository credit intermediation	73,810	13.17	27,390	
<i>Top paying industries for this occupation</i>				
1. School and employee bus transportation	120	31.81	66,170	
2. Federal government (OES designation)	470	23.22	48,290	
3. Highway, street, and bridge construction	-	21.29	44,280	
4. Scientific research and development services	2,020	19.47	40,490	
5. Computer and peripheral equipment mfg.	2,170	19.15	39,830	

State	Employment	Hourly mean wage	Annual mean wage	Percent of State employment
<i>States with the highest concentration of workers in this occupation²</i>				
1. Delaware	11,160	\$14.28	\$29,710	2.77
2. South Dakota	8,350	10.94	22,760	2.36
3. Utah	22,590	11.94	24,840	2.17
4. Arizona	48,800	12.15	25,280	2.16
5. Iowa	25,970	11.97	24,890	1.84
<i>Top paying States for this occupation</i>				
1. Massachusetts	47,010	16.25	33,790	1.48
2. New York	111,760	16.19	33,670	1.35
3. Alaska	1,930	15.97	33,220	0.66
4. Connecticut	30,100	15.64	32,530	1.84
5. New Jersey	56,280	15.49	32,230	1.45

MSA	Employment	Hourly mean wage	Annual mean wage	Percent of MSA employment
<i>MSAs with the highest concentration of workers in this occupation³</i>				
1. Sioux Falls, SD MSA	4,990	\$11.24	\$23,370	4.44
2. Jacksonville, FL MSA	17,110	12.40	25,790	3.19
3. Clarksville-Hopkinsville, TN-KY MSA	2,000	9.80	20,380	3.03
4. Des Moines, IA MSA	8,110	13.22	27,500	2.89
5. Cedar Rapids, IA MSA	3,340	12.05	25,060	2.87
<i>Top paying MSAs for this occupation</i>				
1. San Jose, CA PMSA	11,420	21.67	45,070	1.30
2. New York, NY PMSA	54,570	18.39	38,250	1.37
3. San Francisco, CA PMSA	15,430	18.11	37,660	1.58
4. Boston, MA-NH PMSA	31,660	16.91	35,180	1.65
5. Santa Rosa, CA PMSA	1,640	16.83	35,000	0.86

See footnotes at end of table.

Table 3. Employment and Wages for Selected Occupations by Industry, States, and MSA, May 2003—Continued

43-5081 Stock clerks and order fillers

Receive, store, and issue sales floor merchandise, materials, equipment, and other items from stockroom, warehouse, or storage yard to fill shelves, racks, tables, or customers' orders. May mark prices on merchandise and set up sales displays.

Industry	Employment	Hourly mean wage	Annual mean wage		
<i>Top industries by employment for this occupation¹</i>					
1. Grocery stores	402,540	\$9.56	\$19,880		
2. Department stores	219,180	8.88	18,480		
3. Other general merchandise stores	141,090	9.06	18,850		
4. Warehousing and storage	45,880	12.18	25,340		
5. Employment services	38,470	9.33	19,400		
<i>Top paying industries for this occupation</i>					
1. Water, sewage and other systems	70	21.49	44,700		
2. Natural gas distribution	570	21.21	44,120		
3. Motor vehicle manufacturing	1,240	20.96	43,600		
4. Power generation and supply	3,480	20.92	43,500		
5. Wired telecommunications carriers	1,760	19.67	40,920		

State	Employment	Hourly mean wage	Annual mean wage	Percent of State employment
<i>States with the highest concentration of workers in this occupation²</i>				
1. Florida	116,810	\$9.43	\$19,620	1.62
2. Mississippi	17,520	9.05	18,830	1.61
3. New Jersey	58,110	11.16	23,210	1.50
4. Georgia	54,720	10.39	21,610	1.45
5. Tennessee	37,630	9.66	20,090	1.44
<i>Top paying States for this occupation</i>				
1. Alaska	3,240	12.70	26,410	1.11
2. Delaware	5,650	11.73	24,400	1.40
3. Oregon	17,760	11.72	24,370	1.15
4. Washington	21,600	11.65	24,220	0.84
5. Massachusetts	40,380	11.46	23,850	1.27

MSA	Employment	Hourly mean wage	Annual mean wage	Percent of MSA employment
<i>MSAs with the highest concentration of workers in this occupation³</i>				
1. Punta Gorda, FL MSA	860	\$9.13	\$19,000	2.12
2. Fort Walton Beach, FL MSA	1,690	9.22	19,180	2.11
3. Hamilton-Middletown, OH PMSA	2,680	10.58	22,000	2.08
4. Ocala, FL MSA	1,710	8.60	17,880	2.05
5. Jersey City, NJ PMSA	4,950	10.48	21,810	2.05
<i>Top paying MSAs for this occupation</i>				
1. Yolo, CA PMSA	1,580	14.05	29,220	1.79
2. Erie, PA MSA	2,070	13.50	28,070	1.63
3. San Jose, CA PMSA	8,610	12.53	26,070	0.98
4. Anchorage, AK MSA	1,480	12.43	25,850	1.08
5. Sheboygan, WI MSA	650	12.34	25,660	1.13

See footnotes at end of table.

Table 3. Employment and Wages for Selected Occupations by Industry, State, and MSA, May 2003—Continued

43-6014 Secretaries, except legal, medical, and executive

Perform routine clerical and administrative functions such as drafting correspondence, scheduling appointments, organizing and maintaining paper and electronic files, or providing information to callers.

Industry	Employment	Hourly mean wage	Annual mean wage	
<i>Top industries by employment for this occupation¹</i>				
1. Elementary and secondary schools	212,450	\$12.78	\$26,580	
2. Colleges and universities	103,910	13.05	27,140	
3. Local government (OES designation)	94,000	13.73	28,550	
4. Employment services	73,490	12.28	25,550	
5. General medical and surgical hospitals	72,980	12.97	26,990	
<i>Top paying industries for this occupation</i>				
1. Wired telecommunications carriers	3,150	17.85	37,130	
2. Federal government (OES designation)	39,390	17.79	37,010	
3. Software publishers	1,660	17.64	36,690	
4. Power generation and supply	4,480	17.40	36,190	
5. Rail transportation	920	17.13	35,640	

State	Employment	Hourly mean wage	Annual mean wage	Percent of State employment
<i>States with the highest concentration of workers in this occupation²</i>				
1. District of Columbia	14,210	\$16.99	\$35,340	2.39
2. New Mexico	16,970	11.35	23,620	2.31
3. Louisiana	42,030	10.44	21,710	2.27
4. Mississippi	22,290	10.37	21,560	2.05
5. Wyoming	4,830	10.34	21,510	2.01
<i>Top paying States for this occupation</i>				
1. District of Columbia	14,210	16.99	35,340	2.39
2. New Jersey	77,250	16.09	33,470	2.00
3. Hawaii	6,160	15.29	31,800	1.11
4. Connecticut	26,990	15.17	31,540	1.65
5. Minnesota	14,770	14.97	31,150	0.57

MSA	Employment	Hourly mean wage	Annual mean wage	Percent of MSA employment
<i>MSAs with the highest concentration of workers in this occupation³</i>				
1. Monroe, LA MSA	1,990	\$9.97	\$20,730	2.77
2. Tuscaloosa, AL MSA	1,940	10.86	22,600	2.58
3. Alexandria, LA MSA	1,360	10.20	21,210	2.50
4. Trenton, NJ PMSA	5,220	17.00	35,360	2.50
5. Santa Fe, NM MSA	1,830	12.90	26,820	2.49
<i>Top paying MSAs for this occupation</i>				
1. San Jose, CA PMSA	7,980	17.85	37,120	0.91
2. San Francisco, CA PMSA	9,680	17.50	36,400	0.99
3. Stamford-Norwalk, CT PMSA	3,160	17.34	36,070	1.58
4. Trenton, NJ PMSA	5,220	17.00	35,360	2.50
5. Middlesex-Somerset-Hunterdon, NJ PMSA	11,970	16.79	34,930	1.92

See footnotes at end of table.

Table 3. Employment and Wages for Selected Occupations by Industry, States, and MSA, May 2003—Continued

43-9061 Office clerks, general

Perform duties too varied and diverse to be classified in any specific office clerical occupation, requiring limited knowledge of office management systems and procedures. Clerical duties may be assigned in accordance with the office procedures of individual establishments and may include a combination of answering telephones, bookkeeping, typing or word processing, stenography, office machine operation, and filing.

Industry	Employment	Hourly mean wage	Annual mean wage
<i>Top industries by employment for this occupation¹</i>			
1. Local government (OES designation)	194,840	\$12.67	\$26,360
2. Employment services	179,140	10.51	21,850
3. Colleges and universities	127,090	11.32	23,530
4. Elementary and secondary schools	115,570	11.67	24,270
5. General medical and surgical hospitals	114,680	11.66	24,260
<i>Top paying industries for this occupation</i>			
1. Wired telecommunications carriers	13,930	17.21	35,810
2. Natural gas distribution	2,340	16.88	35,110
3. Motor vehicle manufacturing	520	16.73	34,790
4. Power generation and supply	8,010	16.23	33,750
5. Computer and peripheral equipment mfg.	4,640	16.20	33,700

State	Employment	Hourly mean wage	Annual mean wage	Percent of State employment
<i>States with the highest concentration of workers in this occupation²</i>				
1. Minnesota	77,570	\$12.12	\$25,210	2.98
2. Delaware	11,820	11.38	23,670	2.93
3. New York	236,390	12.24	25,450	2.86
4. Missouri	74,220	10.99	22,850	2.83
5. California	398,400	12.50	26,010	2.75
<i>Top paying States for this occupation</i>				
1. Alaska	7,390	13.88	28,870	2.53
2. Massachusetts	68,540	13.39	27,850	2.16
3. Connecticut	32,310	13.13	27,300	1.97
4. District of Columbia	13,100	12.90	26,820	2.20
5. Washington	59,270	12.60	26,210	2.31

MSA	Employment	Hourly mean wage	Annual mean wage	Percent of MSA employment
<i>MSAs with the highest concentration of workers in this occupation³</i>				
1. Columbia, MO MSA	3,450	\$10.51	\$21,870	4.65
2. Olympia, WA PMSA	3,790	12.37	25,740	4.47
3. Sacramento, CA PMSA	30,110	12.44	25,870	4.03
4. Lawrence, KS MSA	1,800	10.15	21,110	3.83
5. Salem, OR PMSA	5,050	12.42	25,840	3.75
<i>Top paying MSAs for this occupation</i>				
1. San Jose, CA PMSA	20,360	14.30	29,740	2.32
2. Stamford-Norwalk, CT PMSA	4,340	14.11	29,350	2.17
3. Anchorage, AK MSA	3,660	14.07	29,260	2.66
4. Oakland, CA PMSA	26,910	13.99	29,100	2.65
5. Boston, MA-NH PMSA	41,510	13.75	28,600	2.16

See footnotes at end of table.

Table 3. Employment and Wages for Selected Occupations by Industry, State, and MSA, May 2003—Continued

45-2041 Graders and sorters, agricultural products

Grade, sort, or classify unprocessed food and other agricultural products by size, weight, color, or condition.

Industry	Employment	Hourly mean wage	Annual mean wage	
<i>Top industries by employment for this occupation¹</i>				
1. Support activities for crop production	16,960	\$7.32	\$15,230	
2. Grocery and Related Product Wholesalers	7,480	8.45	17,570	
3. Grocery stores	4,720	10.04	20,880	
4. Fruit and vegetable preserving and specialty	3,310	8.81	18,320	
5. Farm product raw material merch. whls.	3,220	10.01	20,810	
<i>Top paying industries for this occupation</i>				
1. State government (OES designation)	260	13.58	28,240	
2. Sawmills and wood preservation	90	12.54	26,080	
3. Bakeries and tortilla manufacturing	-	12.20	25,370	
4. Lumber and const. supply merchant wholesalers	220	12.09	25,140	
5. Grain and oilseed milling	250	12.03	25,030	

State	Employment	Hourly mean wage	Annual mean wage	Percent of State employment
<i>States with the highest concentration of workers in this occupation²</i>				
1. Idaho	1,700	\$7.34	\$15,260	0.30
2. South Dakota	520	9.56	19,890	0.15
3. Washington	3,630	8.49	17,670	0.14
4. North Dakota	440	10.43	21,700	0.14
5. Nebraska	1,150	9.93	20,650	0.13
<i>Top paying States for this occupation</i>				
1. New Hampshire	-	12.87	26,760	0.00
2. Kansas	140	11.20	23,300	0.01
3. Massachusetts	850	11.01	22,900	0.03
4. Minnesota	530	10.95	22,770	0.02
5. Iowa	770	10.91	22,690	0.05

MSA	Employment	Hourly mean wage	Annual mean wage	Percent of MSA employment
<i>MSAs with the highest concentration of workers in this occupation³</i>				
1. Visalia-Tulare-Porterville, CA MSA	1,860	\$7.55	\$15,700	1.52
2. Yakima, WA MSA	1,150	8.71	18,120	1.50
3. Bakersfield, CA MSA	2,170	7.53	15,660	0.98
4. Fresno, CA MSA	2,480	7.41	15,420	0.73
5. Richland-Kennewick-Pasco, WA MSA	450	8.55	17,790	0.57
<i>Top paying MSAs for this occupation</i>				
1. Raleigh-Durham-Chapel Hill, NC MSA	70	16.81	34,970	0.01
2. Hickory-Morganton-Lenoir, NC MSA	30	14.17	29,480	0.02
3. Oklahoma City, OK MSA	-	11.69	24,320	0.00
4. Wichita, KS MSA	-	11.68	24,290	0.00
5. Portland, ME MSA	60	11.49	23,910	0.04

See footnotes at end of table.

Table 3. Employment and Wages for Selected Occupations by Industry, States, and MSA, May 2003—Continued

45-2091 Agricultural equipment operators

Drive and control farm equipment to till soil and to plant, cultivate, and harvest crops. May perform tasks, such as crop baling or hay bucking. May operate stationary equipment to perform post-harvest tasks, such as husking, shelling, threshing, and ginning.

Industry	Employment	Hourly mean wage	Annual mean wage		
<i>Top industries by employment for this occupation¹</i>					
1. Support activities for crop production	13,860	\$8.74	\$18,180		
2. Misc. nondurable goods merchant wholesalers	1,470	11.42	23,750		
3. Farm product raw material merch. whls.	700	11.83	24,610		
4. Beverage manufacturing	650	11.34	23,580		
5. Fruit and vegetable preserving and specialty	450	10.00	20,800		
<i>Top paying industries for this occupation</i>					
1. Dairy product manufacturing	90	14.45	30,060		
2. Agricultural chemical manufacturing	100	13.24	27,540		
3. Colleges and universities	140	13.00	27,040		
4. Lessors of real estate	30	12.10	25,160		
5. Lawn and garden equipment and supplies stores	-	11.91	24,780		

State	Employment	Hourly mean wage	Annual mean wage	Percent of State employment
<i>States with the highest concentration of workers in this occupation²</i>				
1. Iowa	800	\$11.34	\$23,590	0.06
2. Arkansas	620	8.26	17,180	0.06
3. Kansas	710	12.27	25,520	0.06
4. Nebraska	430	11.30	23,500	0.05
5. North Dakota	150	10.58	22,010	0.05
<i>Top paying States for this occupation</i>				
1. Massachusetts	-	17.06	35,490	0.00
2. Pennsylvania	270	12.81	26,640	0.01
3. Kentucky	40	12.30	25,590	0.00
4. Kansas	710	12.27	25,520	0.06
5. Wisconsin	330	12.23	25,450	0.01

MSA	Employment	Hourly mean wage	Annual mean wage	Percent of MSA employment
<i>MSAs with the highest concentration of workers in this occupation³</i>				
1. Yuma, AZ MSA	470	\$8.67	\$18,040	0.87
2. Salinas, CA MSA	560	10.81	22,480	0.36
3. Stockton-Lodi, CA MSA	590	10.39	21,610	0.29
4. Bakersfield, CA MSA	550	8.32	17,310	0.25
5. Jonesboro, AR MSA	90	6.80	14,150	0.22
<i>Top paying MSAs for this occupation</i>				
1. Miami, FL PMSA	30	14.03	29,180	0.00
2. Minneapolis-St. Paul, MN-WI MSA	80	13.75	28,600	0.01
3. St. Cloud, MN MSA	40	12.82	26,670	0.05
4. Madison, WI MSA	40	12.65	26,310	0.01
5. West Palm Beach-Boca Raton, FL MSA	80	12.54	26,080	0.02

See footnotes at end of table.

Table 3. Employment and Wages for Selected Occupations by Industry, State, and MSA, May 2003—Continued

45-2092 Farmworkers and laborers, crop, nursery, and greenhouse

Manually plant, cultivate, and harvest vegetables, fruits, nuts, horticultural specialties, and field crops. Use hand tools, such as shovels, trowels, hoes, tampers, pruning hooks, shears, and knives. Duties may include tilling soil and applying fertilizers; transplanting, weeding, thinning, or pruning crops; applying pesticides; cleaning, grading, sorting, packing and loading harvested products. May construct trellises, repair fences and farm buildings, or participate in irrigation activities.

Industry	Employment	Hourly mean wage	Annual mean wage	
<i>Top industries by employment for this occupation¹</i>				
1. Support activities for crop production	162,670	\$7.73	\$16,080	
2. Misc. nondurable goods merchant wholesalers	9,870	8.43	17,540	
3. Services to buildings and dwellings	6,830	10.02	20,840	
4. Management of companies and enterprises	2,270	9.97	20,730	
5. Grocery and Related Product Wholesalers	1,770	7.77	16,170	
<i>Top paying industries for this occupation</i>				
1. Federal government (OES designation)	140	15.39	32,010	
2. Elementary and secondary schools	-	14.07	29,260	
3. Lessors of nonfinancial intangible assets	40	13.19	27,440	
4. State government (OES designation)	190	12.58	26,160	
5. Support activities for mining	70	12.01	24,990	

State	Employment	Hourly mean wage	Annual mean wage	Percent of State employment
<i>States with the highest concentration of workers in this occupation²</i>				
1. California	126,340	\$8.18	\$17,020	0.87
2. Florida	32,900	7.08	14,730	0.46
3. Arizona	10,320	6.77	14,090	0.46
4. New Mexico	3,040	6.36	13,230	0.41
5. Oregon	3,350	8.69	18,070	0.22
<i>Top paying States for this occupation</i>				
1. North Dakota	70	11.09	23,070	0.02
2. Alaska	90	10.80	22,460	0.03
3. Massachusetts	580	10.62	22,090	0.02
4. Minnesota	960	10.22	21,260	0.04
5. Delaware	110	10.22	21,260	0.03

MSA	Employment	Hourly mean wage	Annual mean wage	Percent of MSA employment
<i>MSAs with the highest concentration of workers in this occupation³</i>				
1. Yuma, AZ MSA	7,710	\$6.73	\$14,000	14.30
2. Salinas, CA MSA	21,180	8.84	18,380	13.66
3. Visalia-Tulare-Porterville, CA MSA	14,160	8.13	16,920	11.54
4. Bakersfield, CA MSA	13,770	7.60	15,800	6.19
5. Merced, CA MSA	3,200	7.21	15,000	5.41
<i>Top paying MSAs for this occupation</i>				
1. Bloomington-Normal, IL MSA	-	17.86	37,140	0.00
2. San Francisco, CA PMSA	510	12.47	25,940	0.05
3. Decatur, IL MSA	30	11.95	24,850	0.06
4. Boston, MA-NH PMSA	260	11.88	24,700	0.01
5. Wilmington-Newark, DE-MD PMSA	50	11.57	24,060	0.02

See footnotes at end of table.

Table 3. Employment and Wages for Selected Occupations by Industry, States, and MSA, May 2003—Continued

45-2093 Farmworkers, farm and ranch animals

Attend to live farm, ranch, or aquacultural animals that may include cattle, sheep, swine, goats, horses and other equines, poultry, finfish, shellfish, and bees. Attend to animals produced for animal products, such as meat, fur, skins, feathers, eggs, milk, and honey. Duties may include feeding, watering, herding, grazing, castrating, branding, de-beaking, weighing, catching, and loading animals. May maintain records on animals; examine animals to detect diseases and injuries; assist in birth deliveries; and administer medications, vaccinations, or insecticides as appropriate. May clean and maintain animal housing areas. Include workers who shear wool from sheep, and collect eggs in hatcheries.

Industry	Employment	Hourly mean wage	Annual mean wage	
<i>Top industries by employment for this occupation¹</i>				
1. Support activities for animal production	9,160	\$9.24	\$19,220	
2. Farm product raw material merch. whls.	5,790	7.70	16,010	
3. Animal slaughtering and processing	5,470	9.86	20,510	
4. Electronic markets and agents and brokers	2,710	8.05	16,750	
5. Spectator sports	2,220	9.48	19,720	
<i>Top paying industries for this occupation</i>				
1. Federal government (OES designation)	290	16.34	33,990	
2. Social advocacy organizations	40	12.88	26,790	
3. Dairy product manufacturing	60	12.54	26,090	
4. Scientific research and development services	-	12.52	26,040	
5. State government (OES designation)	160	12.38	25,740	

State	Employment	Hourly mean wage	Annual mean wage	Percent of State employment
<i>States with the highest concentration of workers in this occupation²</i>				
1. Kentucky	3,320	\$8.91	\$18,540	0.19
2. Montana	510	8.22	17,090	0.13
3. Arkansas	1,390	8.40	17,470	0.12
4. South Carolina	1,800	9.86	20,510	0.10
5. Oklahoma	1,390	8.27	17,200	0.10
<i>Top paying States for this occupation</i>				
1. New Hampshire	100	11.00	22,870	0.02
2. Wisconsin	810	10.97	22,820	0.03
3. Nevada	100	10.93	22,720	0.01
4. Utah	100	10.82	22,500	0.01
5. New Jersey	380	10.72	22,300	0.01

MSA	Employment	Hourly mean wage	Annual mean wage	Percent of MSA employment
<i>MSAs with the highest concentration of workers in this occupation³</i>				
1. Lexington, KY MSA	2,020	\$9.21	\$19,160	0.78
2. Fresno, CA MSA	1,600	7.35	15,290	0.47
3. Modesto, CA MSA	490	8.35	17,360	0.31
4. Ocala, FL MSA	150	9.03	18,780	0.18
5. Fort Smith, AR-OK MSA	120	8.55	17,790	0.12
<i>Top paying MSAs for this occupation</i>				
1. Columbus, OH MSA	80	13.34	27,740	0.01
2. Fort Collins-Loveland, CO MSA	40	12.98	27,000	0.03
3. Myrtle Beach, SC MSA	40	12.80	26,620	0.04
4. Middlesex-Somerset-Hunterdon, NJ PMSA	140	12.74	26,490	0.02
5. Washington, DC-MD-VA-WV PMSA	340	12.57	26,150	0.01

See footnotes at end of table.

Table 3. Employment and Wages for Selected Occupations by Industry, State, and MSA, May 2003—Continued

45-4022 Logging equipment operators

Drive logging tractor or wheeled vehicle equipped with one or more accessories, such as bulldozer blade, frontal shear, grapple, logging arch, cable winches, hoisting rack, or crane boom, to fell tree; to skid, load, unload, or stack logs; or to pull stumps or clear brush.

Industry	Employment	Hourly mean wage	Annual mean wage		
<i>Top industries by employment for this occupation¹</i>					
1. Logging	21,460	\$13.66	\$28,410		
2. Sawmills and wood preservation	3,040	11.95	24,850		
3. Plywood and engineered wood product mfg.	650	12.96	26,960		
4. Employment services	530	13.02	27,080		
5. Specialized freight trucking	480	13.62	28,330		
<i>Top paying industries for this occupation</i>					
1. Management of companies and enterprises	-	22.09	45,950		
2. Pulp, paper, and paperboard mills	310	19.07	39,660		
3. General freight trucking	-	14.90	31,000		
4. Misc. durable goods merchant wholesalers	80	14.38	29,910		
5. Services to buildings and dwellings	240	13.95	29,010		

State	Employment	Hourly mean wage	Annual mean wage	Percent of State employment
<i>States with the highest concentration of workers in this occupation²</i>				
1. Maine	1,080	\$12.82	\$26,660	0.18
2. Arkansas	1,750	10.80	22,470	0.16
3. Idaho	840	19.59	40,750	0.15
4. Mississippi	1,520	11.74	24,420	0.14
5. Alabama	2,300	12.67	26,350	0.13
<i>Top paying States for this occupation</i>				
1. Alaska	170	20.08	41,770	0.06
2. Idaho	840	19.59	40,750	0.15
3. Washington	1,570	17.75	36,930	0.06
4. California	1,190	16.84	35,020	0.01
5. Oregon	1,830	16.41	34,130	0.12

MSA	Employment	Hourly mean wage	Annual mean wage	Percent of MSA employment
<i>MSAs with the highest concentration of workers in this occupation³</i>				
1. Redding, CA MSA	200	\$16.25	\$33,800	0.31
2. Missoula, MT MSA	110	16.53	34,390	0.21
3. Medford-Ashland, OR MSA	140	14.34	29,830	0.19
4. Eugene-Springfield, OR MSA	260	18.06	37,560	0.19
5. Jacksonville, NC MSA	50	12.71	26,440	0.14
<i>Top paying MSAs for this occupation</i>				
1. Salem, OR PMSA	60	21.03	43,750	0.05
2. Wilmington, NC MSA	50	20.40	42,440	0.05
3. Yakima, WA MSA	70	19.82	41,230	0.09
4. Tacoma, WA PMSA	130	19.25	40,030	0.06
5. Olympia, WA PMSA	-	19.11	39,750	0.00

See footnotes at end of table.

Table 3. Employment and Wages for Selected Occupations by Industry, States, and MSA, May 2003—Continued

47-1011 First-line supervisors/managers of construction trades and extraction workers

Directly supervise and coordinate activities of construction or extraction workers.

Industry	Employment	Hourly mean wage	Annual mean wage	
<i>Top industries by employment for this occupation¹</i>				
1. Nonresidential building construction	72,710	\$26.06	\$54,200	
2. Residential building construction	70,730	24.21	50,370	
3. Building equipment contractors	67,180	27.46	57,110	
4. Building foundation and exterior contractors	49,880	24.72	51,420	
5. Building finishing contractors	38,200	25.19	52,400	
<i>Top paying industries for this occupation</i>				
1. Offices of real estate agents and brokers	700	43.62	90,740	
2. Other general purpose machinery manufacturing	160	33.57	69,840	
3. Pipeline transportation of crude oil	-	33.01	68,670	
4. Newspaper, book, and directory publishers	-	31.53	65,590	
5. Converted paper product manufacturing	30	31.36	65,240	

State	Employment	Hourly mean wage	Annual mean wage	Percent of State employment
<i>States with the highest concentration of workers in this occupation²</i>				
1. Wyoming	1,890	\$24.23	\$50,410	0.79
2. Virginia	21,120	23.81	49,510	0.62
3. Colorado	13,100	26.75	55,640	0.62
4. Nevada	6,300	26.85	55,850	0.59
5. Alaska	1,690	33.54	69,770	0.58
<i>Top paying States for this occupation</i>				
1. Alaska	1,690	33.54	69,770	0.58
2. New Jersey	12,650	31.54	65,610	0.33
3. Michigan	15,010	30.59	63,630	0.35
4. Washington	12,410	30.22	62,860	0.48
5. Connecticut	4,240	30.06	62,520	0.26

MSA	Employment	Hourly mean wage	Annual mean wage	Percent of MSA employment
<i>MSAs with the highest concentration of workers in this occupation³</i>				
1. Lafayette, LA MSA	1,590	\$20.13	\$41,870	0.97
2. Naples, FL MSA	1,060	25.76	53,570	0.94
3. Richland-Kennewick-Pasco, WA MSA	740	26.89	55,920	0.93
4. Bremerton, WA PMSA	650	29.09	60,510	0.88
5. Odessa-Midland, TX MSA	880	23.03	47,890	0.86
<i>Top paying MSAs for this occupation</i>				
1. San Jose, CA PMSA	2,310	36.24	75,380	0.26
2. Atlantic-Cape May, NJ PMSA	720	34.97	72,740	0.39
3. New Haven-Meriden, CT PMSA	710	34.69	72,150	0.28
4. Kalamazoo-Battle Creek, MI MSA	700	34.65	72,080	0.35
5. New York, NY PMSA	11,970	34.25	71,230	0.30

See footnotes at end of table.

Table 3. Employment and Wages for Selected Occupations by Industry, State, and MSA, May 2003—Continued

47-2031 Carpenters

Construct, erect, install, or repair structures and fixtures made of wood, such as concrete forms; building frameworks, including partitions, joists, studding, and rafters; wood stairways, window and door frames, and hardwood floors. May also install cabinets, siding, drywall and batt or roll insulation. Include brattice builders who build doors or brattices (ventilation walls or partitions) in underground passageways to control the proper circulation of air through the passageways and to the working places.

Industry	Employment	Hourly mean wage	Annual mean wage
<i>Top industries by employment for this occupation¹</i>			
1. Residential building construction	257,840	\$17.10	\$35,560
2. Nonresidential building construction	140,590	19.55	40,660
3. Building foundation and exterior contractors	131,590	17.50	36,390
4. Building finishing contractors	115,350	18.76	39,030
5. Employment services	23,590	15.15	31,520
<i>Top paying industries for this occupation</i>			
1. Motion picture and video industries	-	31.16	64,810
2. Motor vehicle parts manufacturing	400	26.99	56,140
3. Clothing stores	30	26.88	55,920
4. Power generation and supply	140	25.46	52,960
5. Outpatient care centers	-	23.03	47,900

State	Employment	Hourly mean wage	Annual mean wage	Percent of State employment
<i>States with the highest concentration of workers in this occupation²</i>				
1. Nevada	13,950	\$19.80	\$41,180	1.31
2. Alaska	3,530	22.68	47,170	1.21
3. Montana	4,730	15.22	31,650	1.20
4. Arizona	24,430	15.79	32,850	1.08
5. Vermont	3,100	15.43	32,090	1.07
<i>Top paying States for this occupation</i>				
1. Hawaii	3,770	23.79	49,480	0.68
2. Alaska	3,530	22.68	47,170	1.21
3. New Jersey	21,570	21.76	45,270	0.56
4. Illinois	40,670	21.60	44,940	0.71
5. Massachusetts	19,960	21.27	44,240	0.63

MSA	Employment	Hourly mean wage	Annual mean wage	Percent of MSA employment
<i>MSAs with the highest concentration of workers in this occupation³</i>				
1. Vallejo-Fairfield-Napa, CA PMSA	3,500	\$22.19	\$46,150	1.87
2. Bremerton, WA PMSA	1,230	16.84	35,040	1.67
3. Riverside-San Bernardino, CA PMSA	16,660	17.98	37,400	1.52
4. Alexandria, LA MSA	820	13.64	28,370	1.51
5. Stockton-Lodi, CA MSA	3,000	20.19	42,000	1.49
<i>Top paying MSAs for this occupation</i>				
1. Trenton, NJ PMSA	730	26.51	55,140	0.35
2. San Francisco, CA PMSA	7,690	25.63	53,300	0.79
3. Yolo, CA PMSA	710	24.78	51,550	0.81
4. Honolulu, HI MSA	2,410	24.24	50,420	0.60
5. Santa Cruz-Watsonville, CA PMSA	930	24.17	50,280	1.02

See footnotes at end of table.

Table 3. Employment and Wages for Selected Occupations by Industry, States, and MSA, May 2003—Continued

47-2061 Construction laborers

Perform tasks involving physical labor at building, highway, and heavy construction projects, tunnel and shaft excavations, and demolition sites. May operate hand and power tools of all types: air hammers, earth tampers, cement mixers, small mechanical hoists, surveying and measuring equipment, and a variety of other equipment and instruments. May clean and prepare sites, dig trenches, set braces to support the sides of excavations, erect scaffolding, clean up rubble and debris, and remove asbestos, lead, and other hazardous waste materials. May assist other craft workers.

Industry	Employment	Hourly mean wage	Annual mean wage	
<i>Top industries by employment for this occupation¹</i>				
1. Other specialty trade contractors	119,300	\$13.99	\$29,090	
2. Building foundation and exterior contractors	112,770	13.51	28,090	
3. Nonresidential building construction	110,190	14.41	29,980	
4. Residential building construction	91,100	13.27	27,610	
5. Highway, street, and bridge construction	86,800	15.64	32,540	
<i>Top paying industries for this occupation</i>				
1. Professional and similar organizations	140	22.84	47,510	
2. General rental centers	110	21.01	43,710	
3. Waste collection	430	18.97	39,470	
4. Offices of real estate agents and brokers	210	18.96	39,450	
5. General medical and surgical hospitals	330	18.88	39,280	

State	Employment	Hourly mean wage	Annual mean wage	Percent of State employment
<i>States with the highest concentration of workers in this occupation²</i>				
1. Wyoming	2,860	\$10.63	\$22,110	1.19
2. New Mexico	7,290	10.16	21,130	0.99
3. Texas	86,760	9.83	20,440	0.94
4. Nevada	9,890	13.84	28,780	0.93
5. Alaska	2,670	20.07	41,750	0.91
<i>Top paying States for this occupation</i>				
1. Alaska	2,670	20.07	41,750	0.91
2. Massachusetts	17,820	19.87	41,330	0.56
3. New Jersey	15,510	18.81	39,120	0.40
4. New York	42,980	18.64	38,760	0.52
5. Illinois	38,560	18.40	38,280	0.67

MSA	Employment	Hourly mean wage	Annual mean wage	Percent of MSA employment
<i>MSAs with the highest concentration of workers in this occupation³</i>				
1. Tuscaloosa, AL MSA	1,600	\$9.04	\$18,810	2.13
2. McAllen-Edinburg-Mission, TX MSA	3,600	7.78	16,190	2.04
3. Alexandria, LA MSA	740	10.43	21,700	1.36
4. Naples, FL MSA	1,540	11.28	23,470	1.36
5. Merced, CA MSA	800	10.56	21,970	1.35
<i>Top paying MSAs for this occupation</i>				
1. Fitchburg-Leominster, MA PMSA	220	24.33	50,610	0.42
2. Jersey City, NJ PMSA	480	23.18	48,210	0.20
3. Middlesex-Somerset-Hunterdon, NJ PMSA	2,110	22.17	46,120	0.34
4. Nassau-Suffolk, NY PMSA	8,320	21.55	44,830	0.70
5. Oakland, CA PMSA	11,270	21.43	44,580	1.11

See footnotes at end of table.

Table 3. Employment and Wages for Selected Occupations by Industry, State, and MSA, May 2003—Continued

47-2111 Electricians

Install, maintain, and repair electrical wiring, equipment, and fixtures. Ensure that work is in accordance with relevant codes. May install or service street lights, intercom systems, or electrical control systems.

Industry	Employment	Hourly mean wage	Annual mean wage	
<i>Top industries by employment for this occupation¹</i>				
1. Building equipment contractors	399,280	\$21.12	\$43,920	
2. Local government (OES designation)	18,870	21.99	45,740	
3. Nonresidential building construction	10,990	19.98	41,550	
4. Employment services	9,410	16.73	34,810	
5. Motor vehicle parts manufacturing	9,360	27.66	57,540	
<i>Top paying industries for this occupation</i>				
1. Grantmaking and giving services	-	41.26	85,820	
2. Motion picture and video industries	-	31.18	64,850	
3. Lumber and const. supply merchant wholesalers	-	29.18	60,700	
4. Lessors of real estate	730	28.39	59,060	
5. Motor vehicle parts manufacturing	9,360	27.66	57,540	

State	Employment	Hourly mean wage	Annual mean wage	Percent of State employment
<i>States with the highest concentration of workers in this occupation²</i>				
1. Wyoming	1,940	\$19.99	\$41,580	0.81
2. Alaska	1,840	24.62	51,210	0.63
3. Delaware	2,480	20.24	42,100	0.62
4. Louisiana	11,150	17.74	36,890	0.60
5. Alabama	10,630	16.92	35,190	0.58
<i>Top paying States for this occupation</i>				
1. New Jersey	17,300	26.87	55,890	0.45
2. New York	36,110	26.48	55,080	0.44
3. Minnesota	9,780	26.32	54,750	0.38
4. Oregon	7,600	25.72	53,500	0.49
5. Washington	12,970	25.57	53,180	0.51

MSA	Employment	Hourly mean wage	Annual mean wage	Percent of MSA employment
<i>MSAs with the highest concentration of workers in this occupation³</i>				
1. Lake Charles, LA MSA	1,030	\$19.23	\$40,010	1.26
2. Biloxi-Gulfport-Pascagoula, MS MSA	1,880	17.58	36,560	1.25
3. Sheboygan, WI MSA	670	18.86	39,230	1.17
4. Bremerton, WA PMSA	820	22.49	46,780	1.11
5. Baton Rouge, LA MSA	2,940	16.00	33,290	0.99
<i>Top paying MSAs for this occupation</i>				
1. San Francisco, CA PMSA	3,460	32.15	66,870	0.36
2. Vallejo-Fairfield-Napa, CA PMSA	1,310	31.94	66,430	0.70
3. Newark, NJ PMSA	5,710	31.73	66,010	0.59
4. New York, NY PMSA	19,610	29.63	61,620	0.49
5. Jackson, MI MSA	70	29.22	60,770	0.12

See footnotes at end of table.

Table 3. Employment and Wages for Selected Occupations by Industry, States, and MSA, May 2003—Continued

47-2152 Plumbers, pipefitters, and steamfitters

Assemble, install, alter, and repair pipelines or pipe systems that carry water, steam, air, or other liquids or gases. May install heating and cooling equipment and mechanical control systems.

Industry	Employment	Hourly mean wage	Annual mean wage	
<i>Top industries by employment for this occupation¹</i>				
1. Building equipment contractors	300,610	\$21.25	\$44,200	
2. Nonresidential building construction	14,750	21.57	44,860	
3. Local government (OES designation)	13,960	17.66	36,730	
4. Utility system construction	12,010	19.31	40,160	
5. Natural gas distribution	6,250	21.89	45,530	
<i>Top paying industries for this occupation</i>				
1. Professional and similar organizations	-	35.05	72,900	
2. Motor vehicle parts manufacturing	3,790	28.12	58,500	
3. Technical and trade schools	60	27.82	57,870	
4. Management of companies and enterprises	840	27.70	57,610	
5. Business support services	510	27.19	56,540	

State	Employment	Hourly mean wage	Annual mean wage	Percent of State employment
<i>States with the highest concentration of workers in this occupation²</i>				
1. Louisiana	10,130	\$17.56	\$36,530	0.55
2. Nevada	5,150	23.33	48,520	0.48
3. Alaska	1,340	26.72	55,590	0.46
4. Colorado	9,280	21.02	43,730	0.44
5. Mississippi	4,590	14.66	30,500	0.42
<i>Top paying States for this occupation</i>				
1. Illinois	19,170	28.49	59,260	0.33
2. Alaska	1,340	26.72	55,590	0.46
3. New York	28,260	25.99	54,050	0.34
4. Oregon	4,230	25.34	52,700	0.27
5. Washington	8,600	25.27	52,560	0.34

MSA	Employment	Hourly mean wage	Annual mean wage	Percent of MSA employment
<i>MSAs with the highest concentration of workers in this occupation³</i>				
1. Lake Charles, LA MSA	1,020	\$20.04	\$41,680	1.25
2. Bremerton, WA PMSA	890	24.04	49,990	1.21
3. Biloxi-Gulfport-Pascagoula, MS MSA	1,570	16.33	33,960	1.05
4. Baton Rouge, LA MSA	3,000	17.77	36,960	1.01
5. Bellingham, WA MSA	590	24.83	51,640	0.86
<i>Top paying MSAs for this occupation</i>				
1. Chicago, IL PMSA	12,650	31.23	64,950	0.32
2. San Jose, CA PMSA	2,090	30.43	63,300	0.24
3. New York, NY PMSA	12,840	29.87	62,130	0.32
4. Seattle-Bellevue-Everett, WA PMSA	3,260	29.62	61,610	0.25
5. Bergen-Passaic, NJ PMSA	1,290	29.33	61,010	0.20

See footnotes at end of table.

Table 3. Employment and Wages for Selected Occupations by Industry, State, and MSA, May 2003—Continued

49-1011 First-line supervisors/managers of mechanics, installers, and repairers

Supervise and coordinate the activities of mechanics, installers, and repairers.

Industry	Employment	Hourly mean wage	Annual mean wage	
<i>Top industries by employment for this occupation¹</i>				
1. Automotive repair and maintenance	46,500	\$22.60	\$47,000	
2. Automobile dealers	34,160	26.88	55,910	
3. Local government (OES designation)	26,710	23.67	49,230	
4. Building equipment contractors	18,480	25.34	52,710	
5. Auto parts, accessories, and tire stores	15,670	19.57	40,700	
<i>Top paying industries for this occupation</i>				
1. Lessors of nonfinancial intangible assets	60	38.60	80,290	
2. Satellite telecommunications	370	33.67	70,040	
3. Coal mining	1,100	32.39	67,370	
4. Petroleum and coal products manufacturing	1,810	32.39	67,360	
5. Radio and television broadcasting	140	32.27	67,110	

State	Employment	Hourly mean wage	Annual mean wage	Percent of State employment
<i>States with the highest concentration of workers in this occupation²</i>				
1. Wyoming	1,250	\$23.19	\$48,230	0.52
2. Indiana	13,810	23.12	48,100	0.48
3. Alabama	8,770	22.31	46,410	0.48
4. West Virginia	3,170	22.49	46,770	0.47
5. Arkansas	5,030	20.52	42,680	0.45
<i>Top paying States for this occupation</i>				
1. Alaska	1,100	31.53	65,590	0.38
2. New Jersey	12,670	28.47	59,210	0.33
3. Connecticut	4,340	28.14	58,540	0.27
4. California	39,830	27.41	57,000	0.27
5. District of Columbia	640	27.17	56,520	0.11

MSA	Employment	Hourly mean wage	Annual mean wage	Percent of MSA employment
<i>MSAs with the highest concentration of workers in this occupation³</i>				
1. Brazoria, TX PMSA	530	\$22.03	\$45,820	0.70
2. Bremerton, WA PMSA	510	28.58	59,440	0.69
3. Steubenville-Weirton, OH-WV MSA	310	24.34	50,630	0.65
4. Beaumont-Port Arthur, TX MSA	960	24.58	51,140	0.63
5. Dothan, AL MSA	390	19.06	39,650	0.60
<i>Top paying MSAs for this occupation</i>				
1. San Francisco, CA PMSA	2,020	31.12	64,720	0.21
2. Stamford-Norwalk, CT PMSA	420	31.00	64,470	0.21
3. San Jose, CA PMSA	2,440	30.92	64,310	0.28
4. Oakland, CA PMSA	3,040	30.78	64,030	0.30
5. Bergen-Passaic, NJ PMSA	2,020	30.39	63,210	0.32

See footnotes at end of table.

Table 3. Employment and Wages for Selected Occupations by Industry, States, and MSA, May 2003—Continued

49-3023 Automotive service technicians and mechanics

Diagnose, adjust, repair, or overhaul automotive vehicles.

Industry	Employment	Hourly mean wage	Annual mean wage	
<i>Top industries by employment for this occupation¹</i>				
1. Automotive repair and maintenance	241,150	\$14.03	\$29,170	
2. Automobile dealers	227,240	18.76	39,030	
3. Auto parts, accessories, and tire stores	57,920	13.79	28,690	
4. Gasoline stations	29,200	14.29	29,720	
5. Local government (OES designation)	20,970	18.71	38,910	
<i>Top paying industries for this occupation</i>				
1. Motor vehicle manufacturing	4,360	25.35	52,730	
2. Spectator sports	2,350	24.66	51,300	
3. Wired telecommunications carriers	1,170	24.49	50,940	
4. Scientific research and development services	310	24.00	49,910	
5. Natural gas distribution	700	23.69	49,280	

State	Employment	Hourly mean wage	Annual mean wage	Percent of State employment
<i>States with the highest concentration of workers in this occupation²</i>				
1. Delaware	3,810	\$20.70	\$43,050	0.95
2. North Dakota	2,270	13.74	28,580	0.72
3. New Hampshire	4,250	16.27	33,850	0.70
4. Vermont	1,910	14.80	30,780	0.66
5. Arizona	14,830	15.61	32,470	0.66
<i>Top paying States for this occupation</i>				
1. Alaska	1,650	20.92	43,510	0.57
2. Delaware	3,810	20.70	43,050	0.95
3. District of Columbia	-	19.21	39,960	0.00
4. Colorado	10,730	18.30	38,060	0.51
5. New Jersey	18,940	18.15	37,760	0.49

MSA	Employment	Hourly mean wage	Annual mean wage	Percent of MSA employment
<i>MSAs with the highest concentration of workers in this occupation³</i>				
1. Gainesville, FL MSA	960	\$14.57	\$30,300	1.00
2. Ocala, FL MSA	810	13.92	28,960	0.97
3. Billings, MT MSA	620	13.67	28,440	0.92
4. Clarksville-Hopkinsville, TN-KY MSA	600	14.25	29,640	0.91
5. Eau Claire, WI MSA	650	13.52	28,130	0.90
<i>Top paying MSAs for this occupation</i>				
1. San Francisco, CA PMSA	3,950	22.04	45,850	0.41
2. Danbury, CT PMSA	550	22.03	45,810	0.62
3. Bremerton, WA PMSA	470	20.89	43,440	0.64
4. Boulder-Longmont, CO PMSA	700	20.39	42,420	0.45
5. San Jose, CA PMSA	3,640	19.91	41,410	0.42

See footnotes at end of table.

Table 3. Employment and Wages for Selected Occupations by Industry, State, and MSA, May 2003—Continued

49-3031 Bus and truck mechanics and diesel engine specialists

Diagnose, adjust, repair, or overhaul trucks, buses, and all types of diesel engines. Include mechanics working primarily with automobile diesel engines.

Industry	Employment	Hourly mean wage	Annual mean wage	
<i>Top industries by employment for this occupation¹</i>				
1. General freight trucking	30,970	\$16.04	\$33,360	
2. Local government (OES designation)	21,540	19.96	41,510	
3. Automotive repair and maintenance	19,030	16.24	33,790	
4. Motor vehicle and parts merchant wholesalers	18,170	17.10	35,580	
5. Elementary and secondary schools	14,880	15.66	32,560	
<i>Top paying industries for this occupation</i>				
1. Natural gas distribution	-	25.73	53,520	
2. Couriers	6,560	24.90	51,790	
3. Architectural and engineering services	-	24.78	51,540	
4. Power generation and supply	2,650	24.72	51,410	
5. Aerospace product and parts manufacturing	30	22.97	47,770	

State	Employment	Hourly mean wage	Annual mean wage	Percent of State employment
<i>States with the highest concentration of workers in this occupation²</i>				
1. Wyoming	810	\$15.95	\$33,180	0.34
2. Arkansas	3,420	14.01	29,140	0.31
3. Iowa	4,260	15.35	31,940	0.30
4. Utah	2,830	16.39	34,080	0.27
5. Kansas	3,400	15.97	33,220	0.26
<i>Top paying States for this occupation</i>				
1. Hawaii	780	22.90	47,630	0.14
2. Alaska	670	21.20	44,090	0.23
3. Massachusetts	3,280	20.21	42,030	0.10
4. Washington	5,560	20.15	41,910	0.22
5. New Jersey	6,370	19.77	41,120	0.17

MSA	Employment	Hourly mean wage	Annual mean wage	Percent of MSA employment
<i>MSAs with the highest concentration of workers in this occupation³</i>				
1. Green Bay, WI MSA	840	\$15.86	\$32,990	0.59
2. Albany, GA MSA	320	14.50	30,150	0.59
3. Stockton-Lodi, CA MSA	950	18.32	38,110	0.47
4. Bakersfield, CA MSA	940	16.76	34,850	0.42
5. Yolo, CA PMSA	360	20.45	42,540	0.41
<i>Top paying MSAs for this occupation</i>				
1. Honolulu, HI MSA	630	24.04	49,990	0.16
2. Kokomo, IN MSA	40	23.60	49,090	0.08
3. Oakland, CA PMSA	-	23.52	48,920	0.00
4. San Jose, CA PMSA	1,010	23.19	48,230	0.12
5. New York, NY PMSA	5,320	23.02	47,880	0.13

See footnotes at end of table.

Table 3. Employment and Wages for Selected Occupations by Industry, States, and MSA, May 2003—Continued

49-9021 Heating, air conditioning, and refrigeration mechanics and installers

Install or repair heating, central air conditioning, or refrigeration systems, including oil burners, hot-air furnaces, and heating stoves.

Industry	Employment	Hourly mean wage	Annual mean wage
<i>Top industries by employment for this occupation¹</i>			
1. Building equipment contractors	119,140	\$17.15	\$35,680
2. Direct selling establishments	11,450	17.45	36,290
3. Hardware and plumbing merchant wholesalers	8,230	18.95	39,410
4. Commercial machinery repair and maintenance	7,580	17.96	37,350
5. Elementary and secondary schools	5,790	17.58	36,570
<i>Top paying industries for this occupation</i>			
1. Motor vehicle parts manufacturing	390	26.82	55,780
2. Aerospace product and parts manufacturing	320	25.54	53,110
3. Pulp, paper, and paperboard mills	-	25.43	52,890
4. Support activities for water transportation	80	24.66	51,280
5. Wired telecommunications carriers	60	24.62	51,220

State	Employment	Hourly mean wage	Annual mean wage	Percent of State employment
<i>States with the highest concentration of workers in this occupation²</i>				
1. Maine	1,960	\$16.02	\$33,330	0.33
2. Alabama	5,010	15.02	31,250	0.28
3. Florida	18,310	15.54	32,320	0.26
4. South Dakota	890	14.80	30,780	0.25
5. Maryland	6,120	18.23	37,910	0.25
<i>Top paying States for this occupation</i>				
1. Alaska	290	22.79	47,410	0.10
2. Hawaii	740	22.20	46,190	0.13
3. District of Columbia	-	22.08	45,930	0.00
4. Massachusetts	5,780	21.76	45,260	0.18
5. Connecticut	4,030	21.03	43,740	0.25

MSA	Employment	Hourly mean wage	Annual mean wage	Percent of MSA employment
<i>MSAs with the highest concentration of workers in this occupation³</i>				
1. Panama City, FL MSA	390	\$13.75	\$28,600	0.63
2. Rapid City, SD MSA	280	13.30	27,660	0.58
3. Myrtle Beach, SC MSA	460	12.48	25,950	0.45
4. Mobile, AL MSA	900	15.70	32,650	0.42
5. State College, PA MSA	260	13.87	28,840	0.41
<i>Top paying MSAs for this occupation</i>				
1. San Jose, CA PMSA	580	25.28	52,580	0.07
2. Lowell, MA-NH PMSA	470	24.93	51,860	0.38
3. Springfield, IL MSA	-	24.89	51,770	0.00
4. Cedar Rapids, IA MSA	370	24.88	51,750	0.32
5. Casper, WY MSA	-	24.58	51,120	0.00

See footnotes at end of table.

Table 3. Employment and Wages for Selected Occupations by Industry, State, and MSA, May 2003—Continued

49-9042 Maintenance and repair workers, general

Perform work involving the skills of two or more maintenance or craft occupations to keep machines, mechanical equipment, or the structure of an establishment in repair. Duties may involve pipe fitting; boiler making; insulating; welding; machining; carpentry; repairing electrical or mechanical equipment; installing, aligning, and balancing new equipment; and repairing buildings, floors, or stairs.

Industry	Employment	Hourly mean wage	Annual mean wage
<i>Top industries by employment for this occupation¹</i>			
1. Lessors of real estate	117,600	\$12.56	\$26,120
2. Local government (OES designation)	92,520	15.69	32,640
3. Activities related to real estate	63,830	12.40	25,790
4. Traveler accommodation	55,080	12.15	25,270
5. Elementary and secondary schools	53,320	14.60	30,370
<i>Top paying industries for this occupation</i>			
1. Satellite telecommunications	870	24.00	49,920
2. Power generation and supply	6,540	23.73	49,370
3. Natural gas distribution	1,770	22.49	46,790
4. Other telecommunications	170	22.43	46,660
5. Software publishers	170	21.86	45,470

State	Employment	Hourly mean wage	Annual mean wage	Percent of State employment
<i>States with the highest concentration of workers in this occupation²</i>				
1. South Carolina	25,110	\$14.49	\$30,150	1.42
2. Alaska	3,560	19.15	39,830	1.22
3. Mississippi	13,200	12.59	26,190	1.22
4. Kentucky	20,620	14.66	30,500	1.20
5. Hawaii	6,590	15.49	32,210	1.19
<i>Top paying States for this occupation</i>				
1. Alaska	3,560	19.15	39,830	1.22
2. District of Columbia	3,250	17.75	36,920	0.55
3. New Jersey	31,850	17.41	36,220	0.82
4. Connecticut	10,470	17.36	36,110	0.64
5. Illinois	52,200	17.20	35,770	0.91

MSA	Employment	Hourly mean wage	Annual mean wage	Percent of MSA employment
<i>MSAs with the highest concentration of workers in this occupation³</i>				
1. Pine Bluff, AR MSA	660	\$16.66	\$34,660	1.97
2. Victoria, TX MSA	650	12.59	26,200	1.89
3. Beaumont-Port Arthur, TX MSA	2,710	16.79	34,930	1.77
4. Augusta-Aiken, GA-SC MSA	3,300	17.30	35,980	1.68
5. Bryan-College Station, TX MSA	1,260	11.94	24,820	1.67
<i>Top paying MSAs for this occupation</i>				
1. Bloomington-Normal, IL MSA	1,270	20.38	42,390	1.62
2. San Jose, CA PMSA	7,100	19.88	41,350	0.81
3. Oakland, CA PMSA	8,090	19.50	40,550	0.80
4. Anchorage, AK MSA	1,290	18.65	38,800	0.94
5. Detroit, MI PMSA	18,420	18.59	38,670	0.91

See footnotes at end of table.

Table 3. Employment and Wages for Selected Occupations by Industry, States, and MSA, May 2003—Continued

51-1011 First-line supervisors/managers of production and operating workers

Supervise and coordinate the activities of production and operating workers, such as inspectors, precision workers, machine setters and operators, assemblers, fabricators, and plant and system operators.

Industry	Employment	Hourly mean wage	Annual mean wage		
<i>Top industries by employment for this occupation¹</i>					
1. Plastics product manufacturing	29,790	\$20.48	\$42,590		
2. Printing and related support activities	28,110	23.49	48,850		
3. Motor vehicle parts manufacturing	22,860	23.45	48,780		
4. Machine shops and threaded product mfg.	15,940	24.74	51,460		
5. Architectural and structural metals mfg.	15,630	22.16	46,100		
<i>Top paying industries for this occupation</i>					
1. Wired telecommunications carriers	110	36.50	75,910		
2. Power generation and supply	8,180	35.90	74,680		
3. Sound recording industries	80	34.60	71,970		
4. Telecommunications resellers	80	33.31	69,280		
5. Other pipeline transportation	220	32.83	68,280		

State	Employment	Hourly mean wage	Annual mean wage	Percent of State employment
<i>States with the highest concentration of workers in this occupation²</i>				
1. Indiana	28,310	\$22.72	\$47,270	0.99
2. Wisconsin	22,200	23.58	49,040	0.83
3. Iowa	11,190	21.49	44,700	0.79
4. Ohio	41,890	22.28	46,340	0.79
5. Arkansas	8,580	18.90	39,310	0.77
<i>Top paying States for this occupation</i>				
1. Connecticut	9,170	26.85	55,850	0.56
2. Alaska	690	26.16	54,420	0.24
3. Michigan	31,950	25.84	53,750	0.74
4. New Jersey	18,840	25.64	53,320	0.49
5. Washington	11,000	24.65	51,270	0.43

MSA	Employment	Hourly mean wage	Annual mean wage	Percent of MSA employment
<i>MSAs with the highest concentration of workers in this occupation³</i>				
1. Elkhart-Goshen, IN MSA	2,480	\$21.19	\$44,080	2.15
2. Hickory-Morganton-Lenoir, NC MSA	2,660	18.87	39,250	1.63
3. Sheboygan, WI MSA	910	19.66	40,900	1.58
4. Steubenville-Weirton, OH-WV MSA	630	25.24	52,510	1.33
5. Danville, VA MSA	540	19.14	39,810	1.25
<i>Top paying MSAs for this occupation</i>				
1. San Jose, CA PMSA	4,540	30.98	64,440	0.52
2. New London-Norwich, CT-RI MSA	1,030	29.06	60,440	0.72
3. Stamford-Norwalk, CT PMSA	730	28.87	60,040	0.37
4. Bremerton, WA PMSA	350	28.65	59,600	0.48
5. Bridgeport, CT PMSA	1,050	28.61	59,500	0.57

See footnotes at end of table.

Table 3. Employment and Wages for Selected Occupations by Industry, State, and MSA, May 2003—Continued

51-2092 Team assemblers

Work as part of a team having responsibility for assembling an entire product or component of a product. Team assemblers can perform all tasks conducted by the team in the assembly process and rotate through all or most of them rather than being assigned to a specific task on a permanent basis. May participate in making management decisions affecting the work. Team leaders who work as part of the team should be included.

Industry	Employment	Hourly mean wage	Annual mean wage
<i>Top industries by employment for this occupation¹</i>			
1. Motor vehicle parts manufacturing	108,490	\$13.32	\$27,710
2. Employment services	66,680	9.10	18,930
3. Plastics product manufacturing	50,350	10.80	22,470
4. Other wood product manufacturing	45,370	11.15	23,200
5. Motor vehicle manufacturing	40,500	22.40	46,600
<i>Top paying industries for this occupation</i>			
1. Motor vehicle manufacturing	40,500	22.40	46,600
2. Agricultural chemical manufacturing	180	17.14	35,650
3. Depository credit intermediation	-	16.06	33,390
4. Investigation and security services	80	15.96	33,190
5. Newspaper, book, and directory publishers	-	15.34	31,910

State	Employment	Hourly mean wage	Annual mean wage	Percent of State employment
<i>States with the highest concentration of workers in this occupation²</i>				
1. Iowa	29,520	\$13.14	\$27,320	2.09
2. Indiana	56,750	13.11	27,270	1.99
3. Tennessee	51,200	13.19	27,430	1.96
4. Kentucky	30,050	15.91	33,100	1.75
5. Wisconsin	44,270	12.59	26,190	1.65
<i>Top paying States for this occupation</i>				
1. Kentucky	30,050	15.91	33,100	1.75
2. Michigan	63,300	14.59	30,350	1.46
3. Tennessee	51,200	13.19	27,430	1.96
4. Iowa	29,520	13.14	27,320	2.09
5. Indiana	56,750	13.11	27,270	1.99

MSA	Employment	Hourly mean wage	Annual mean wage	Percent of MSA employment
<i>MSAs with the highest concentration of workers in this occupation³</i>				
1. Elkhart-Goshen, IN MSA	11,500	\$12.67	\$26,360	9.95
2. Clarksville-Hopkinsville, TN-KY MSA	2,930	14.07	29,270	4.45
3. Jackson, TN MSA	1,850	12.59	26,180	3.27
4. Lafayette, IN MSA	2,590	17.43	36,260	3.02
5. Wausau, WI MSA	2,000	12.59	26,190	2.99
<i>Top paying MSAs for this occupation</i>				
1. Lafayette, IN MSA	2,590	17.43	36,260	3.02
2. Lexington, KY MSA	5,400	16.77	34,890	2.10
3. Nashville, TN MSA	12,090	16.65	34,630	1.83
4. Kenosha, WI PMSA	1,360	16.56	34,440	2.63
5. Toledo, OH MSA	5,140	16.29	33,870	1.68

See footnotes at end of table.

Table 3. Employment and Wages for Selected Occupations by Industry, States, and MSA, May 2003—Continued

51-9061 Inspectors, testers, sorters, samplers, and weighers

Inspect, test, sort, sample, or weigh nonagricultural raw materials or processed, machined, fabricated, or assembled parts or products for defects, wear, and deviations from specifications. May use precision measuring instruments and complex test equipment.

Industry	Employment	Hourly mean wage	Annual mean wage
<i>Top industries by employment for this occupation¹</i>			
1. Employment services	25,830	\$10.62	\$22,090
2. Motor vehicle parts manufacturing	22,660	17.72	36,850
3. Plastics product manufacturing	19,430	12.60	26,200
4. Semiconductor and electronic component mfg.	17,670	13.60	28,290
5. Architectural and engineering services	15,480	17.06	35,490
<i>Top paying industries for this occupation</i>			
1. Power generation and supply	1,330	27.59	57,390
2. Telecommunications resellers	100	26.83	55,810
3. Wired telecommunications carriers	300	26.10	54,290
4. Scheduled air transportation	720	25.71	53,470
5. Federal government (OES designation)	12,500	25.35	52,730

State	Employment	Hourly mean wage	Annual mean wage	Percent of State employment
<i>States with the highest concentration of workers in this occupation²</i>				
1. South Carolina	12,590	\$13.18	\$27,410	0.71
2. Indiana	20,260	15.30	31,820	0.71
3. North Carolina	24,080	12.51	26,020	0.65
4. Arkansas	7,180	12.83	26,680	0.64
5. Michigan	26,230	17.94	37,310	0.61
<i>Top paying States for this occupation</i>				
1. District of Columbia	270	20.47	42,580	0.05
2. Alaska	350	19.92	41,430	0.12
3. Michigan	26,230	17.94	37,310	0.61
4. Hawaii	380	17.36	36,110	0.07
5. Louisiana	5,250	17.34	36,070	0.28

MSA	Employment	Hourly mean wage	Annual mean wage	Percent of MSA employment
<i>MSAs with the highest concentration of workers in this occupation³</i>				
1. Sumter, SC MSA	560	\$11.24	\$23,380	1.52
2. Hickory-Morganton-Lenoir, NC MSA	2,210	11.86	24,670	1.35
3. Vineland-Millville-Bridgeton, NJ PMSA	750	12.73	26,480	1.29
4. Rocky Mount, NC MSA	750	11.19	23,280	1.22
5. Anniston, AL MSA	540	14.74	30,660	1.18
<i>Top paying MSAs for this occupation</i>				
1. Bremerton, WA PMSA	250	23.35	48,570	0.34
2. Lake Charles, LA MSA	250	21.76	45,270	0.31
3. Brazoria, TX PMSA	220	21.07	43,830	0.29
4. Beaumont-Port Arthur, TX MSA	470	20.46	42,560	0.31
5. Enid, OK MSA	40	20.41	42,450	0.20

See footnotes at end of table.

Table 3. Employment and Wages for Selected Occupations by Industry, State, and MSA, May 2003—Continued

51-9111 Packaging and filling machine operators and tenders

Operate or tend machines to prepare industrial or consumer products for storage or shipment. Include cannery workers who pack food products.

Industry	Employment	Hourly mean wage	Annual mean wage	
<i>Top industries by employment for this occupation¹</i>				
1. Employment services	78,550	\$8.92	\$18,550	
2. Fruit and vegetable preserving and specialty	23,050	11.47	23,850	
3. Animal slaughtering and processing	20,460	10.10	21,000	
4. Pharmaceutical and medicine manufacturing	20,090	13.31	27,670	
5. Beverage manufacturing	19,490	13.70	28,490	
<i>Top paying industries for this occupation</i>				
1. Tobacco manufacturing	2,510	23.58	49,060	
2. Pulp, paper, and paperboard mills	3,030	18.44	38,360	
3. Federal government (OES designation)	110	18.38	38,230	
4. Commercial and service industry machinery	100	16.99	35,330	
5. Boiler, tank, and shipping container mfg.	980	16.63	34,600	

State	Employment	Hourly mean wage	Annual mean wage	Percent of State employment
<i>States with the highest concentration of workers in this occupation²</i>				
1. Arkansas	12,270	\$10.04	\$20,870	1.10
2. Wisconsin	16,770	12.26	25,500	0.62
3. Nebraska	4,350	11.39	23,690	0.50
4. Florida	34,990	9.87	20,530	0.49
5. New Jersey	17,910	12.60	26,210	0.46
<i>Top paying States for this occupation</i>				
1. North Carolina	16,090	13.50	28,090	0.43
2. Iowa	4,510	13.38	27,830	0.32
3. New Hampshire	1,050	13.11	27,280	0.17
4. Delaware	1,490	13.03	27,100	0.37
5. District of Columbia	-	12.92	26,860	0.00

MSA	Employment	Hourly mean wage	Annual mean wage	Percent of MSA employment
<i>MSAs with the highest concentration of workers in this occupation³</i>				
1. Racine, WI PMSA	1,500	\$12.01	\$24,970	1.98
2. Yakima, WA MSA	1,260	12.09	25,150	1.65
3. Fayetteville-Springdale-Rogers, AR MSA	1,980	9.96	20,720	1.21
4. Fort Smith, AR-OK MSA	1,120	10.86	22,590	1.15
5. Kenosha, WI PMSA	580	15.60	32,450	1.12
<i>Top paying MSAs for this occupation</i>				
1. Albany, GA MSA	540	19.32	40,190	0.99
2. Jackson, MI MSA	50	16.83	35,010	0.09
3. Greensboro--Winston-Salem--High Point, NC MS	5,280	16.64	34,600	0.84
4. Lansing-East Lansing, MI MSA	150	15.83	32,930	0.08
5. Kenosha, WI PMSA	580	15.60	32,450	1.12

See footnotes at end of table.

Table 3. Employment and Wages for Selected Occupations by Industry, States, and MSA, May 2003—Continued

51-9198 Helpers--production workers

Help production workers by performing duties of lesser skill. Duties include supplying or holding materials or tools, and cleaning work area and equipment.

Industry	Employment	Hourly mean wage	Annual mean wage	
<i>Top industries by employment for this occupation¹</i>				
1. Employment services	85,070	\$8.10	\$16,860	
2. Converted paper product manufacturing	22,570	11.22	23,330	
3. Printing and related support activities	21,670	10.60	22,040	
4. Plastics product manufacturing	16,570	10.10	21,010	
5. Bakeries and tortilla manufacturing	14,390	11.80	24,550	
<i>Top paying industries for this occupation</i>				
1. Power generation and supply	410	17.26	35,900	
2. Coal mining	360	16.65	34,630	
3. Natural gas distribution	100	16.62	34,580	
4. Rail transportation	490	15.73	32,710	
5. Metal ore mining	60	15.59	32,420	

State	Employment	Hourly mean wage	Annual mean wage	Percent of State employment
<i>States with the highest concentration of workers in this occupation²</i>				
1. Arkansas	9,960	\$9.63	\$20,030	0.89
2. Illinois	39,860	8.86	18,430	0.69
3. Wisconsin	17,360	11.15	23,190	0.65
4. Utah	6,490	9.04	18,810	0.62
5. Indiana	15,550	10.38	21,580	0.55
<i>Top paying States for this occupation</i>				
1. Maryland	4,970	11.80	24,530	0.20
2. Massachusetts	5,980	11.64	24,220	0.19
3. Kentucky	6,170	11.37	23,650	0.36
4. Washington	5,550	11.29	23,490	0.22
5. Ohio	22,520	11.22	23,340	0.42

MSA	Employment	Hourly mean wage	Annual mean wage	Percent of MSA employment
<i>MSAs with the highest concentration of workers in this occupation³</i>				
1. Fort Smith, AR-OK MSA	1,560	\$8.83	\$18,360	1.61
2. Elkhart-Goshen, IN MSA	1,600	10.05	20,910	1.39
3. Appleton-Oshkosh-Neenah, WI MSA	2,730	11.21	23,320	1.38
4. Fayetteville-Springdale-Rogers, AR MSA	2,130	10.51	21,860	1.30
5. Hickory-Morganton-Lenoir, NC MSA	1,920	10.38	21,600	1.17
<i>Top paying MSAs for this occupation</i>				
1. Pittsfield, MA MSA	100	15.16	31,540	0.24
2. Lima, OH MSA	240	14.62	30,410	0.33
3. Topeka, KS MSA	260	14.29	29,730	0.27
4. Lincoln, NE MSA	290	14.27	29,690	0.20
5. New London-Norwich, CT-RI MSA	310	14.12	29,380	0.22

See footnotes at end of table.

Table 3. Employment and Wages for Selected Occupations by Industry, State, and MSA, May 2003—Continued

53-3032 Truck drivers, heavy and tractor-trailer

Drive a tractor-trailer combination or a truck with a capacity of at least 26,000 GVW, to transport and deliver goods, livestock, or materials in liquid, loose, or packaged form. May be required to unload truck. May require use of automated routing equipment. Requires commercial drivers' license.

Industry	Employment	Hourly mean wage	Annual mean wage		
<i>Top industries by employment for this occupation¹</i>					
1. General freight trucking	526,160	\$17.66	\$36,730		
2. Specialized freight trucking	191,480	16.29	33,880		
3. Cement and concrete product manufacturing	70,450	14.97	31,140		
4. Grocery and Related Product Wholesalers	58,610	17.70	36,820		
5. Employment services	40,310	16.04	33,360		
<i>Top paying industries for this occupation</i>					
1. Performing arts companies	50	24.49	50,940		
2. Spectator sports	250	23.79	49,490		
3. Wired telecommunications carriers	380	23.73	49,370		
4. Apparel and piece goods merchant wholesalers	-	22.18	46,140		
5. Aerospace product and parts manufacturing	620	21.97	45,700		

State	Employment	Hourly mean wage	Annual mean wage	Percent of State employment
<i>States with the highest concentration of workers in this occupation²</i>				
1. Nebraska	25,790	\$15.27	\$31,760	2.94
2. Arkansas	31,650	15.73	32,720	2.83
3. Tennessee	57,780	16.76	34,860	2.21
4. Iowa	29,850	14.81	30,800	2.11
5. Wyoming	5,070	15.40	32,030	2.11
<i>Top paying States for this occupation</i>				
1. Alaska	2,500	19.42	40,390	0.86
2. Massachusetts	24,660	18.55	38,580	0.78
3. Connecticut	11,630	18.48	38,440	0.71
4. New York	54,940	18.09	37,620	0.67
5. New Jersey	42,840	18.08	37,620	1.11

MSA	Employment	Hourly mean wage	Annual mean wage	Percent of MSA employment
<i>MSAs with the highest concentration of workers in this occupation³</i>				
1. Joplin, MO MSA	3,880	\$16.28	\$33,850	5.27
2. Chattanooga, TN-GA MSA	11,280	18.54	38,560	5.18
3. Cedar Rapids, IA MSA	4,460	15.44	32,100	3.83
4. Laredo, TX MSA	2,690	15.45	32,140	3.60
5. Fort Smith, AR-OK MSA	3,450	15.98	33,240	3.55
<i>Top paying MSAs for this occupation</i>				
1. Bridgeport, CT PMSA	1,200	22.04	45,840	0.65
2. Nassau-Suffolk, NY PMSA	8,800	20.84	43,340	0.74
3. New York, NY PMSA	13,930	20.42	42,460	0.35
4. Gary, IN PMSA	4,770	20.10	41,820	1.91
5. Stamford-Norwalk, CT PMSA	770	20.07	41,750	0.39

See footnotes at end of table.

Table 3. Employment and Wages for Selected Occupations by Industry, States, and MSA, May 2003—Continued

53-3033 Truck drivers, light or delivery services

Drive a truck or van with a capacity of under 26,000 GVW, primarily to deliver or pick up merchandise or to deliver packages within a specified area. May require use of automatic routing or location software. May load and unload truck.

Industry	Employment	Hourly mean wage	Annual mean wage		
<i>Top industries by employment for this occupation¹</i>					
1. Couriers	152,550	\$18.39	\$38,250		
2. General freight trucking	48,550	14.75	30,670		
3. Grocery and Related Product Wholesalers	36,200	13.35	27,770		
4. Auto parts, accessories, and tire stores	35,560	8.31	17,280		
5. Building material and supplies dealers	35,120	11.28	23,450		
<i>Top paying industries for this occupation</i>					
1. Wired telecommunications carriers	420	20.81	43,280		
2. Motor vehicle manufacturing	120	19.54	40,650		
3. Federal government (OES designation)	3,030	18.92	39,360		
4. Support activities for water transportation	-	18.92	39,350		
5. Couriers	152,550	18.39	38,250		

State	Employment	Hourly mean wage	Annual mean wage	Percent of State employment
<i>States with the highest concentration of workers in this occupation²</i>				
1. Kentucky	16,850	\$11.52	\$23,950	0.98
2. Wisconsin	24,220	11.47	23,860	0.90
3. Pennsylvania	49,450	12.25	25,490	0.90
4. Utah	9,060	13.01	27,060	0.87
5. Virginia	28,970	11.70	24,330	0.85
<i>Top paying States for this occupation</i>				
1. Massachusetts	21,120	15.06	31,330	0.67
2. Alaska	1,950	14.83	30,850	0.67
3. Illinois	45,810	14.74	30,650	0.79
4. New Jersey	32,500	14.19	29,510	0.84
5. Maryland	19,750	14.03	29,180	0.81

MSA	Employment	Hourly mean wage	Annual mean wage	Percent of MSA employment
<i>MSAs with the highest concentration of workers in this occupation³</i>				
1. Albany, GA MSA	990	\$15.26	\$31,750	1.81
2. Yolo, CA PMSA	1,540	16.94	35,240	1.75
3. Eau Claire, WI MSA	1,210	11.27	23,440	1.68
4. Victoria, TX MSA	550	11.57	24,070	1.60
5. Altoona, PA MSA	880	11.76	24,450	1.52
<i>Top paying MSAs for this occupation</i>				
1. Asheville, NC MSA	840	17.00	35,360	0.77
2. Worcester, MA-CT PMSA	2,530	16.97	35,300	1.11
3. Yolo, CA PMSA	1,540	16.94	35,240	1.75
4. Jersey City, NJ PMSA	2,680	16.30	33,910	1.11
5. Brockton, MA PMSA	1,190	16.05	33,370	1.19

See footnotes at end of table.

Table 3. Employment and Wages for Selected Occupations by Industry, State, and MSA, May 2003—Continued

53-7051 Industrial truck and tractor operators

Operate industrial trucks or tractors equipped to move materials around a warehouse, storage yard, factory, construction site, or similar location.

Industry	Employment	Hourly mean wage	Annual mean wage	
<i>Top industries by employment for this occupation¹</i>				
1. Warehousing and storage	68,350	\$12.80	\$26,620	
2. Grocery and Related Product Wholesalers	24,900	13.87	28,840	
3. General freight trucking	23,550	15.30	31,820	
4. Employment services	22,640	10.63	22,100	
5. Motor vehicle parts manufacturing	16,580	17.10	35,580	
<i>Top paying industries for this occupation</i>				
1. Natural gas distribution	30	23.96	49,830	
2. Motor vehicle manufacturing	4,710	22.90	47,630	
3. Support activities for water transportation	7,490	22.51	46,820	
4. Power generation and supply	850	21.21	44,110	
5. Coal mining	1,280	19.62	40,810	

State	Employment	Hourly mean wage	Annual mean wage	Percent of State employment
<i>States with the highest concentration of workers in this occupation²</i>				
1. Arkansas	9,510	\$11.67	\$24,270	0.85
2. Georgia	29,130	12.30	25,580	0.77
3. Tennessee	19,800	12.34	25,670	0.76
4. Indiana	20,870	13.78	28,670	0.73
5. Wisconsin	19,440	13.72	28,540	0.72
<i>Top paying States for this occupation</i>				
1. Wyoming	1,010	18.82	39,150	0.42
2. Michigan	23,020	16.99	35,340	0.53
3. Alaska	630	16.56	34,440	0.22
4. Hawaii	1,460	16.45	34,220	0.26
5. District of Columbia	340	15.21	31,630	0.06

MSA	Employment	Hourly mean wage	Annual mean wage	Percent of MSA employment
<i>MSAs with the highest concentration of workers in this occupation³</i>				
1. Yakima, WA MSA	1,080	\$12.67	\$26,350	1.41
2. Harrisburg-Lebanon-Carlisle, PA MSA	4,800	13.91	28,930	1.35
3. Jersey City, NJ PMSA	3,070	14.04	29,210	1.27
4. Waterloo-Cedar Falls, IA MSA	800	12.10	25,160	1.20
5. Jackson, TN MSA	660	11.26	23,420	1.17
<i>Top paying MSAs for this occupation</i>				
1. Bloomington-Normal, IL MSA	540	21.50	44,730	0.69
2. Detroit, MI PMSA	11,010	18.91	39,340	0.55
3. Honolulu, HI MSA	1,050	17.88	37,180	0.26
4. Saginaw-Bay City-Midland, MI MSA	540	17.86	37,150	0.31
5. Ann Arbor, MI PMSA	900	17.44	36,270	0.32

See footnotes at end of table.

Table 3. Employment and Wages for Selected Occupations by Industry, States, and MSA, May 2003—Continued

53-7062 Laborers and freight, stock, and material movers, hand

Manually move freight, stock, or other materials or perform other unskilled general labor. Include all unskilled manual laborers not elsewhere classified.

Industry	Employment	Hourly mean wage	Annual mean wage	
<i>Top industries by employment for this occupation¹</i>				
1. Employment services	475,680	\$8.39	\$17,460	
2. Couriers	113,640	11.93	24,820	
3. Warehousing and storage	102,260	11.81	24,560	
4. Building material and supplies dealers	61,030	10.09	20,990	
5. General freight trucking	59,670	13.54	28,170	
<i>Top paying industries for this occupation</i>				
1. Metal ore mining	280	17.92	37,270	
2. Power generation and supply	2,400	17.70	36,810	
3. Other pipeline transportation	250	17.52	36,440	
4. Coal mining	1,990	16.76	34,870	
5. Support activities for water transportation	15,930	16.14	33,570	

State	Employment	Hourly mean wage	Annual mean wage	Percent of State employment
<i>States with the highest concentration of workers in this occupation²</i>				
1. Tennessee	66,600	\$10.23	\$21,270	2.55
2. Alabama	46,270	9.48	19,720	2.54
3. Nevada	26,190	11.46	23,840	2.46
4. South Carolina	43,010	9.81	20,410	2.44
5. Illinois	139,540	10.01	20,810	2.42
<i>Top paying States for this occupation</i>				
1. Alaska	4,420	13.57	28,230	1.51
2. Connecticut	19,940	12.47	25,930	1.22
3. Hawaii	5,510	12.40	25,790	1.00
4. Michigan	68,540	12.30	25,590	1.58
5. Minnesota	33,670	12.30	25,580	1.30

MSA	Employment	Hourly mean wage	Annual mean wage	Percent of MSA employment
<i>MSAs with the highest concentration of workers in this occupation³</i>				
1. Anniston, AL MSA	1,970	\$10.81	\$22,490	4.30
2. Yolo, CA PMSA	3,680	12.52	26,050	4.18
3. Laredo, TX MSA	2,980	7.93	16,490	3.99
4. Jersey City, NJ PMSA	8,810	9.98	20,760	3.65
5. Florence, AL MSA	1,720	9.40	19,560	3.42
<i>Top paying MSAs for this occupation</i>				
1. Saginaw-Bay City-Midland, MI MSA	2,460	14.43	30,010	1.42
2. Harrisburg-Lebanon-Carlisle, PA MSA	6,400	14.34	29,820	1.81
3. Flint, MI PMSA	2,600	14.33	29,820	1.62
4. Gary, IN PMSA	4,350	13.65	28,400	1.75
5. Anchorage, AK MSA	2,270	13.50	28,070	1.65

See footnotes at end of table.

Table 3. Employment and Wages for Selected Occupations by Industry, State, and MSA, May 2003—Continued

53-7064 Packers and packagers, hand

Pack or package by hand a wide variety of products and materials.

Industry	Employment	Hourly mean wage	Annual mean wage		
<i>Top industries by employment for this occupation¹</i>					
1. Grocery stores	222,090	\$7.35	\$15,280		
2. Employment services	145,940	7.83	16,290		
3. Plastics product manufacturing	36,120	10.00	20,810		
4. Warehousing and storage	26,590	9.92	20,630		
5. Bakeries and tortilla manufacturing	20,930	10.18	21,170		
<i>Top paying industries for this occupation</i>					
1. Support activities for water transportation	300	19.44	40,440		
2. Federal government (OES designation)	1,160	17.20	35,770		
3. Motor vehicle manufacturing	50	16.24	33,790		
4. Aerospace product and parts manufacturing	550	14.47	30,100		
5. Iron and steel mills and ferroalloy mfg.	330	14.15	29,430		

State	Employment	Hourly mean wage	Annual mean wage	Percent of State employment
<i>States with the highest concentration of workers in this occupation²</i>				
1. New Jersey	45,060	\$8.71	\$18,110	1.16
2. Indiana	31,250	9.45	19,650	1.10
3. Tennessee	27,930	8.94	18,590	1.07
4. Kentucky	15,600	8.78	18,260	0.91
5. Wisconsin	24,200	9.73	20,250	0.90
<i>Top paying States for this occupation</i>				
1. Delaware	1,520	10.67	22,200	0.38
2. Pennsylvania	41,680	9.80	20,380	0.76
3. Wisconsin	24,200	9.73	20,250	0.90
4. Maryland	9,320	9.72	20,220	0.38
5. Connecticut	8,030	9.69	20,150	0.49

MSA	Employment	Hourly mean wage	Annual mean wage	Percent of MSA employment
<i>MSAs with the highest concentration of workers in this occupation³</i>				
1. Yuma, AZ MSA	2,230	\$6.24	\$12,970	4.14
2. Yakima, WA MSA	1,900	8.65	17,990	2.48
3. Jersey City, NJ PMSA	5,180	8.07	16,790	2.15
4. Middlesex-Somerset-Hunterdon, NJ PMSA	12,770	8.34	17,350	2.05
5. Visalia-Tulare-Porterville, CA MSA	2,340	8.48	17,640	1.91
<i>Top paying MSAs for this occupation</i>				
1. Kokomo, IN MSA	330	13.86	28,830	0.69
2. Yolo, CA PMSA	1,260	13.14	27,320	1.43
3. Topeka, KS MSA	400	12.84	26,700	0.41
4. Sheboygan, WI MSA	670	11.98	24,910	1.17
5. Dover, DE MSA	460	11.56	24,040	0.87

See footnotes at end of table.

Appendix A. The Standard Occupational Classification System

The Occupational Employment Statistics (OES) survey fully implemented the Standard Occupational Classification System (SOC) in 2000. The SOC fulfilled a growing need for a universal occupational classification system that permits government agencies and private industry to produce comparable data.

Users of OES survey occupational data include government program managers, industrial and labor relations practitioners, students considering career training, jobseekers, vocational training schools, and employers wishing to set salary scales or locate a new plant. OMB requires all Federal statistical agencies collecting occupational data to use the SOC. The new classification system is designed to cover all occupations in which work is performed for pay or profit, reflecting the current occupational structure in the United States.

The OES survey uses 22 of the 23 major occupational groups from the SOC to categorize workers who work for pay in 1 of 770 detailed occupations. The major group excluded is military occupations, which are not covered in the OES survey.

Description of the SOC structure

The SOC is an empirically based, economywide occupational classification system. The occupations are identified by codes and titles and by definitions that describe primary job duties. The skill level required for some of the occupations is implicit in the definition. The classification system emphasizes occupations of special interest to many data users, such as technology-related occupations and those requiring substantial training.

The SOC system has four levels of classification: Major group, minor group, broad occupational detail, and detailed occupation. Occupation codes consist of six digits, with a hyphen between the second and third digits for presentation clarity. The first two digits represent the major group; the third, the minor group; and the fourth and fifth, the broad occupational detail. The last digit, along with the preceding five, identifies the detailed occupation.

Major group codes end with 0000 (for example, 33-0000, Protective Service Occupations), minor groups end with 000 (for example, 33-2000, Fire Fighting Workers), and broad occupations end with 0 (for example, 33-2020, Fire Inspectors). All residuals (“Other,” “Miscellaneous,” or “All Other”),

whether at the detailed or broad occupation or minor group level, will contain a 9 at the level of the residual. Detailed residual occupations will end in 9 (for example, 33-9199, Protective Service Workers, All Other); broad occupations that are minor group residuals will end in 90 (for example, 33-9190, Miscellaneous Protective Service Workers); and minor groups that are major group residuals will end in 9000 (for example, 33-9000, Other Protective Service Workers).

There are residual categories within the various levels of the system to permit the reporting of occupations not identified at the detailed level. The following sections examine the first level of the system (major group), as well as the residual occupational categories.

Major groups

The major groups and numbers of SOC detailed occupations surveyed in the OES program in May 2003 are as follows:

Code	Major occupational group	Detailed occupations
	Total	770
11-0000	Management	30
13-0000	Business and financial operations ..	28
15-0000	Computer and mathematical	16
17-0000	Architecture and engineering	35
19-0000	Life, physical, and social science ...	39
21-0000	Community and social services	14
23-0000	Legal	9
25-0000	Education, training, and library	58
27-0000	Arts, design, entertainment, sports and media	37
29-0000	Healthcare practitioner and technical	46
31-0000	Healthcare support	15
33-0000	Protective service	20
35-0000	Food preparation and serving related	16
37-0000	Building and grounds cleaning and maintenance	9
39-0000	Personal care and service	33
41-0000	Sales and related	21
43-0000	Office and administrative support ..	56
45-0000	Farming, fishing, and forestry	13
47-0000	Construction and extraction	58
49-0000	Installation, maintenance, and repair	53
51-0000	Production	112
53-0000	Transportation and material moving	52

Classification guidelines

To ensure that all users of occupational data classify workers in the same way, the following classification principles apply:

1. The classification covers all occupations in which work is performed for pay or profit, including work performed in family-operated enterprises by family members who are not directly compensated. It excludes occupations unique to volunteers. Each occupation is assigned to only one occupation at the lowest level of the classification. OES does not cover the self-employed. For additional information, see appendix B.

2. Occupations are classified based on work performed and skills, education, training, and credentials required.

3. Supervisors of professional and technical workers usually have qualifications similar to those of the workers they supervise, and are therefore classified with the workers supervised. Likewise, team leaders, lead workers, and supervisors of production, sales, and service workers who spend at least 20 percent of their time performing work similar to that of the workers they supervise are classified with the workers they supervise.

4. First-line managers and supervisors of production, service, and sales workers who spend 80 percent or more of their time performing supervisory activities are classified separately in the appropriate supervisor category because their work activities are distinct from those of the workers they supervise. First-line managers generally are found in smaller establishments, where they perform both supervisory and management functions, such as accounting, marketing, and personnel work.

5. Apprentices and trainees are classified with the occupations for which they are being trained, while helpers and aides are classified separately.

6. If an occupation is not included as a distinct detailed occupation in the SOC structure, it is classified in the appropriate residual occupation. Residual occupations contain all occupations within a major, minor, or broad group that are not classified separately.

7. When workers may be classified in more than one occupation, they are classified in the occupation that requires the highest level of skill. If there is no measurable difference in skill requirements, workers are included in the occupation at which they spend the most time.

8. OES data collection and reporting agencies classify workers at the most detailed level possible. Different agencies may use different levels of aggregation, depending on their ability to collect data and the requirements of data users.

First-line managers and supervisors are included in the last 11 major occupational groups. Professional, paraprofessional, and technical supervisors are classified with the workers they supervise due to the extensive subject matter knowledge required. First-line managers and supervisors may be supervised by top and middle managers in the managerial and administrative major groups.

Residual occupational categories

The SOC has detailed categories for occupations that are numerically significant, either in one industry or across all industries. For less populous occupations, residual categories (that is, “All other...”) have been created within most levels of the SOC system. Residual categories provide a complete accounting of all workers employed within an establishment and allow aggregation and analysis of occupational employment data at various levels of detail. Some examples of residual categories are: “All other sales and related workers” at the major group level, and “All other machinery maintenance mechanics” at the detailed level. For May 2003, residual occupations are not published.

For more information about the SOC, please see the Bureau of Labor Statistics Web site at www.bls.gov/soc/.

Appendix B. Survey Method and Reliability Statement for the May 2003 Occupational Employment Statistics Survey

The Occupational Employment Statistics (OES) survey is a mail survey measuring occupational employment and wage rates for wage and salary workers in non-farm establishments in the 50 States and the District of Columbia. Guam, Puerto Rico, and the Virgin Islands are also surveyed but their data are not included in the national estimates.

About 6,500,000 establishments are stratified within State by substate area, industry, and employment size class. The substate areas include all officially defined metropolitan areas, and one or more balance areas are defined for each State (MSA/BOS areas). The North American Industry Classification System (NAICS) is used to stratify establishments by industry.

Probability sample panels of about 200,000 establishments are selected semiannually. Responses are obtained through mail and telephone contact. Respondents report the number of employees by occupation using the Standard Occupational Classification (SOC) system. For each occupation, the number of employees is distributed across 12 wage intervals.

Estimates are based on a rolling 6-panel (or 3-year) cycle. The total sample size when 6 panels are combined is approximately 1.2 million establishments. For the May 2003 survey about 79 percent of establishments responded, covering about 72 percent of weighted employment. National occupational employment (SOC) and wage rate estimates are made for all 3-digit NAICS codes, most 4-digit NAICS codes, and selected 5-digit NAICS codes. Subnational industry detail varies by state/MSA/BOS.

Occupational and Industrial Classification Systems

The occupational classification system. In 1999, the OES survey began using the U.S. Office of Management and Budget's (OMB's) new occupational classification system known as the Standard Occupational Classification (SOC) system. (See appendix A for a detailed description of the system.) This is the first occupational classification system that OMB has required for Federal statistical agencies. The survey uses the system to categorize workers across 22 ma-

ior occupation groups in 1 of approximately 770 detailed occupations.

The industrial classification system. In 2002, the OES survey switched from the Standard Industrial Classification (SIC) system to the North American Industry Classification System (NAICS). More information about NAICS can be found on the BLS Web site at www.bls.gov/bls/naics.htm or in the 2002 *North American Industry Classification System* manual. Each establishment is assigned a 6-digit NAICS code based on its primary activity.

Industrial scope and stratification. The survey covers the following NAICS industries:

- 11 Logging (1133), Support Activities for Crop Production (1152), and Support Activities for Animal Production (1152) *only*
- 21 Mining
- 22 Utilities
- 23 Construction
- 31-33 Manufacturing
- 42 Wholesale Trade
- 44-45 Retail Trade
- 48-49 Transportation and Warehousing
- 51 Information
- 52 Finance and Insurance
- 53 Real Estate and Rental and Leasing
- 54 Professional, Scientific, and Technical Services
- 55 Management of Companies and Enterprises
- 56 Administrative and Support, and Waste Management and Remediation Services
- 61 Educational Services
- 62 Health Care and Social Assistance
- 71 Arts, Entertainment, and Recreation
- 72 Accommodation and Food Services
- 81 Other Services (except Public Administration), *excluding* private households (814)
 - Federal Government
 - State Government
 - Local Government

About 350 industry groups are used for stratification. Some are 5-digit NAICS “exceptions.” Most are either entire 4-digit NAICS codes or the residual 4-digits with the 5-digit exceptions removed. “NAICS4/5” is a short term that is sometimes used to describe this particular grouping of industries.

Concepts

An *establishment* is generally a single physical location at which economic activity occurs (e.g., store, factory, farm, etc.). Each establishment is assigned a 6-digit NAICS code. When a single physical location encompasses two or more distinct economic activities, it is treated as separate establishments if separate payroll records are available and certain other criteria are met.

Employment is the number of workers who can be classified as full- and 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 non-contract employees for whom the reporting unit is their permanent duty station regardless of whether that unit prepares their paychecks.

The OES survey includes all full- and part-time wage and salary workers in non-farm industries. Self-employed owners, partners in unincorporated firms, household workers, and unpaid family workers are excluded.

Occupations are classified based on work performed and on required skills. Employees are assigned to an occupation based on the work they perform and not on their education or training. For example, an employee trained as an engineer but working as a drafter is reported as a drafter. Employees who perform the duties of two or more occupations are reported in the occupation that requires the highest level of skill or in the occupation where the most time is spent if there is no measurable difference in skill requirements. *Working supervisors* (those spending 20 percent or more of their time doing work similar to the workers they supervise) are classified with the workers they supervise. *Workers receiving on-the-job training, apprentices, and trainees* are classified with the occupations for which they are being trained.

A *wage* is money that is paid or received for work or services performed in a specified period. Base rate pay, cost-of-living allowances, guaranteed pay, hazardous-duty pay, incentive pay such as commissions and production bonuses, tips, and on-call pay are included in a wage. Back pay, jury duty pay, overtime pay, severance pay, shift differentials, non-production bonuses, employer costs for supplementary benefits, and tuition reimbursements are excluded. Employers are asked to classify each of their workers into an SOC occupation and one of the following 12 wage intervals:

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

Three-year Survey Cycle of Data Collection

The survey is based on a probability sample drawn from a universe of about 6,500,000 in-scope establishments stratified by geography, industry, and employment size. The sample is designed to represent all non-farm establishments in the United States.

Beginning with the November 2002 panel, the OES survey changed from an annual sample of 400,000 establishments to a semiannual sample of 200,000 establishments in May and November of each year in order to reduce seasonal bias. The semiannual samples are referred to as panels, and previous yearly samples are considered to be the equivalent of two panels. To the extent possible, privately owned units selected in any one panel will not be sampled again in the next five panels.

The survey is conducted over a rolling 6-panel (or 3-year) cycle. This is done in order to maintain adequate geographic, industrial, and occupational coverage. Over the course of a 6-panel (or 3-year) cycle, approximately 1.2 million establishments are sampled. For example, data collected in May 2003 are combined with data collected in November 2002, 2001, and 2000. For this transitional set of estimates, a subset of certainty units collected in 1999 was also used in the May 2003 estimates. The May 2003 and November 2002 data are semiannual samples while the 2001 and 2000 data are annual samples—the equivalent of 6 panels when combined. Data from 1999 are added to provide complete coverage of strata with the largest establishments (250+ employees based on maximum size).

For a given panel, survey questionnaires/schedules are initially mailed out to almost all sampled establishments. State Employment Security Agency (SESA) staff may make “early” personal visits to some of the larger establishments. Two additional mailings are sent to nonrespondents at approximately 3-week intervals. Telephone or personal visit follow-ups are made to nonrespondents critical to the survey because of their size.

A census is obtained semiannually, representing May and November employment, of Federal Government establishments (annually prior to the November 2002 panel). Data for Federal Government employment and wages are collected at the end of the data collection process from the U.S. Office of Personnel Management. A semiannual census of workers is also obtained from the United States Postal Service (USPS). An annual census, representing November data, is obtained for State government units. These census reports are broken out in fine geographic detail. The Federal and State

census reports only have default industry codes that indicate “Federal government” or “State government.” Local government units are subject to probability sampling, but the reports only have a default industry code indicating “local government.”

Sampling Procedures

The frame

The sampling frame, or universe, is a list of about 6,500,000 in-scope non-farm establishments that file unemployment insurance (UI) reports to the State Employment Security Agencies. Virtually all establishments are required to file these reports with the notable exception of establishments in Guam and rail transportation (NAICS 4821). Every quarter a sampling frame list is created by combining all the State lists into a single file called the Longitudinal Data Base (LDB). For the 1999 sample, the sampling frame was the 1998/2nd quarter LDB file; for the 2000 sample, it was the 1999/2nd quarter LDB file; for the 2001 sample, it was the 2000/4th quarter LDB file; for the November 2002 sample, it was the 2001/4th quarter LDB file; and for the May 2003 sample, it was the 2002/2nd quarter LDB file. The LDB files are also supplemented with a frame covering Guam and rail transportation (NAICS 4821).

Stratification

The frame is stratified geography-by-industry-by-size.

- The geographic stratification used is MSA/BOS within state. All officially defined metropolitan areas are used, and each State is allowed to define 1-6 balance-of-State areas.
- The industry stratification is the approximately 350 NAICS4/5 industry groups.
- Stratification uses seven employment size-class (SC) ranges: 1-4, 5-9, 10-19, 20-49, 50-99, 100-249, and 250+. The size of an establishment is based on its maximum monthly employment taken from the most recently available 12 months of administrative (universe) data.

At any given time there are about 550,000 nonempty MSA/BOS-by-NAICS4/5-by-SC strata on the frame. When comparing nonempty strata between frames, there are substantial frame-to-frame differences. The differences are primarily due to the normal birth/death process and normal establishment growth/shrinkage. Some differences are due to NAICS reclassification and changes in geographic location assigned to establishments.

Certainty and virtual certainty units

Federal Government and USPS units are certainty units since a census is obtained for every panel. For State government units a census is obtained every other panel (representing November employment). Technically, the State units are not

“certainty” units since data are not obtained for every panel; the term “virtual certainty” is used. The term “virtual certainty” also applies to the very largest units in the 250+ size class. All of the largest units are included once in the 6-panel survey cycle, if possible. (Sometimes reinterviewing a few of these largest units must be delayed as a result of budget considerations.)

Allocation of the sample to strata

For each state, a sample panel of establishments is selected within the MSA/BOS-by-NAICS4/5-by-SC stratification. Within a state, the sample is allocated in a manner that equalizes the expected relative standard error of typical occupational employment in each MSA/BOS-by-NAICS4/5 cell. Within each cell, the sample is allocated across the size classes in a manner that minimizes the variance of the average typical occupational employment estimate.

Sampling using PRNs

Permanent random numbers (PRNs) are used in the sample selection process. Each establishment in the sampling frame is assigned a PRN. The reason for using PRNs in sampling is that it gives us an easy method to limit sample overlap between the OES survey and other large surveys conducted by the Bureau of Labor Statistics.

Sample selection using PRNs can be implemented in several ways. For OES, a specific PRN value is designated as a “start” point in a stratum. Beginning with this “start” point, n establishments in the stratum are sequentially selected into the sample where n denotes the number of establishments to be sampled.

Panel weights (sampling weights)

Sampling weights are assigned so that each panel, when sampled establishments are weighted, will roughly represent the entire universe of establishments.

Federal Government, USPS, and State government units are assigned panel weights of 1. Other sampled establishments, including virtual certainties, are assigned design-based panel weights. For a stratum with n establishments sampled from N frame establishments, weight N/n is assigned to each of the n sampled establishments. N/n is the inverse of the panel probability of selection within the panel.

National sample counts

The combined sample for the May 2003 survey is considered to be the equivalent of a combined 6-panel sample. Approximately 1/6 of the combined sample comes from each of the semiannual sample panels for May 2003 and November 2002. Approximately 2/6 of the combined sample comes from the 2001 sample (a 2-panel equivalent) and another 2/6 from the 2000 sample (also a 2-panel equivalent).

Sample allocation resulted in initial sample sizes of:
199,587 establishments for May 2003
201,016 establishments for November 2002
405,655 establishments for 2001 (2-panel equivalent)

406,876 establishments for 2000 (2-panel equivalent)

In addition, 3,616 certainty units from 1999 were added to the sample to provide complete coverage of the certainty strata. The *combined* initial sample size for the May 2003 estimates is approximately 1,200,981 establishments. The combined count avoids double/triple-counting by appropriately subtracting out Federal and State Government establishments. For Federal Government establishments only the May 2003 census is counted (subtract out November 2002, 2001, and 2000). For State government establishments only the November 2002 census is counted (subtract out 2001 and 2000; no census of State government in May 2003).

Response and Nonresponse

Response

Of the 1,200,981 establishments in the combined initial sample, 1,099,307 were viable establishments. That is, they were not out-of-scope or out-of-business. Of the viable establishments, 863,182 responded and 236,120 were classified as nonrespondents. The establishment response rate is 78.5% (863,182/1,099,307). The response rate in terms of weighted sample employment is 72.0%.

Nonresponse

Nonresponding establishments are accounted for in the OES survey by a two-step imputation process.

- *Step 1, Occupational employment staffing pattern:*
For each nonrespondent, a staffing pattern is imputed using a nearest-neighbor “hot deck” imputation method. The procedure links a donor responding establishment to each nonrespondent. For example, for the May 2003 survey, possible donors were the respondents from the May 2003, November 2002, and 2001 samples. The nearest-neighbor hot deck procedure for OES searches within defined cells for the donor that most closely resembles a nonrespondent in terms of geographic area, industry, and employment size. At first, a donor with approximately the same employment size is sought within the same MSA/BOS and 5-digit NAICS as the nonrespondent. The area/industry parameters of the donor pool are successively widened until a suitable donor is found. Limits are placed on the number of times a donor can be used. For a nonrespondent, its donor is used to impute (simulate) a response for the occupational employment data or staffing pattern. The donor’s staffing pattern distribution is used for the nonrespondent but the level is adjusted to be appropriate for the nonrespondent’s known employment size.
- *Step 2, Wage distribution:*
A variation of mean imputation is used to simulate a wage distribution for each nonrespondent. Imputa-

tion cells are defined by geographic area, industry, and size class. Responding establishments in each cell are used to compute, for each occupation, a distribution across the 12 wage intervals. For nonrespondents in the cell, those wage distributions are applied to already imputed occupational employment. If a cell has insufficient response to compute a distribution, the cell is expanded into adjacent areas, industries, or size classes until sufficient response is achieved.

Occasionally a responding establishment reports occupational employment but not a distribution across the wage intervals for all or some occupations. In this situation, the imputation procedure described in step 2 is used to impute an occupational wage distribution.

Combining and benchmarking data for occupational employment estimates

Reweighting for the combined sample

Employment and wage rate estimates are computed using a rolling 6-panel (3-year) sample. For example, estimates are made using data from the May 2003, November 2002, 2001, and 2000 samples plus a small number of large virtual certainties held over from the 1999 sample. Establishments in each sample are weighted independently to represent the universe at the time it was selected. When panels are combined, each sampled establishment is reweighted so that the aggregate sample represents the universe.

Only the most recent Federal Government, USPS, and State government censuses are retained (with a certainty weight set to 1). The weight of all large virtual certainties is set to 1.

Noncertainties are analyzed stratum-by-stratum. The original single-panel sampling weights are set so that responses from a stratum can be weighted up to represent the entire stratum. In the simplest case, 6 panels are combined and all 6 have sample units for a particular stratum. Since a simple summation of single-panel weights would represent the stratum 6 times, the combined sample weight of each establishment is set equal to its single-panel sampling weight divided by 6. It is most common for some panels to have no sample. For example, if only 2 of 6 panels have sample for a stratum, then the single-panel sampling weights are divided by 2.

Benchmarking to QCEW employment

A ratio estimator is used to develop estimates of occupational employment. The auxiliary variable used is the average of the most recent May and November employment totals extracted from BLS’ Quarterly Census of Employment and Wages (QCEW)—May 2003 and November 2002 for estimates made from the combined sample for the May 2003 survey. In order to balance the States’ need for estimates at differing levels of geographic and industrial aggregation, the ratio adjustment process is carried out through a series of four hierarchical ratio adjustments. The procedure is com-

only called benchmarking and the ratio adjustments are called benchmark factors (BMFs).

The first of the four hierarchical benchmark factors is calculated within states for cells defined MSA/BOS by NAICS4/5 by employment size class (4 size classes). If any first level BMF is out of range, it is reset to a predetermined maximum or minimum value. First-level BMFs are calculated in the following manner:

- h = MSA/BOS by NAICS4/5
- H = State by NAICS4/5
- s = employment size classes (1-19, 20-49, 50-249, or 250+)
- S = 1 of 2 aggregate employment size classes (1-49, 50+)
- M = average of May and November QCEW
- w_i = combined sample weight for establishment i
- x_i = total establishment employment
- BMF_{\min} = a parameter, the lowest value allowed for BMF
- BMF_{\max} = a parameter, the highest value allowed for BMF

$$\beta_{hs} = \left(M_{hs} / \sum_{i \in hs} w_i x_i \right), \beta_{hs} = \left(M_{hs} / \sum_{i \in hs} w_i x_i \right), \beta_h = \left(M_h / \sum_{i \in h} w_i x_i \right),$$

then

$$BMF_{1,hs} = \begin{cases} \beta_{hs}, & \text{if all } \beta_{hs} \text{ within } h \text{ are bounded by } (BMF_{\min}, BMF_{\max}), \\ \beta_{hs}, & \text{if all } \beta_{hs} \text{ within } h \text{ are bounded by } (BMF_{\min}, BMF_{\max}), \\ BMF_{\min}, & \text{if } \beta_h < BMF_{\min}, \\ BMF_{\max}, & \text{if } \beta_h > BMF_{\max}, \\ \beta_h & \text{otherwise} \end{cases}$$

Second-level BMFs are calculated at the State by 4-digit NAICS cell level by summing the product of the combined sample weight and the first level BMF for each establishment in the cell. Second level BMFs account for the portion of universe employment that is not adequately represented by weighted employment after first-level benchmarking. In particular, some universe MSA/BOS by NAICS4/5 by size class cells have no sample and are not adequately represented by the weighted sample after first-stage benchmarking. Trimming first-level BMFs also causes over/under coverage that needs second-level benchmarking. Second-stage benchmarks are calculated as follows:

$$\beta_H = \left(\frac{M_H}{\sum_{hs \in H} \sum_{i \in hs} w_i x_i BMF_{1,hs}} \right)$$

$$BMF_{2,H} = \begin{cases} BMF_{\min}, & \text{if } \beta_H < BMF_{\min}, \\ BMF_{\max}, & \text{if } \beta_H > BMF_{\max}, \\ \beta_H & \text{otherwise} \end{cases}$$

Third- and fourth-level BMFs are calculated in a similar manner. The third-level BMF calculation of $BMF_{3,H}$ uses combined sample weights adjusted through second-level benchmarking. The fourth-level BMF calculation of $BMF_{4,H}$ uses combined sample weights adjusted through third-level benchmarking.

A final benchmark factor for each establishment, BMF_i , is calculated as the product of the four hierarchical ratio adjustment factors. That is, $BMF_i = BMF_1 * BMF_2 * BMF_3 * BMF_4$. A final weight value is calculated as the product of the combined sample weight and the final benchmark factor.

Occupational employment estimates

The final weights are used to calculate estimates of occupational employment that are benchmarked to QCEW employment. The May 2003 survey, for example, is benchmarked to the average of May 2003 and November 2002 QCEW. Estimates for a cell are produced simply by summing up the desired reported data for each establishment multiplied by the establishment's final weight.

The equation below is used to calculate occupational employment estimates at the MSA/4-digit NAICS cell level.

$$\hat{X}_{ho} = \sum_{i \in h} (w_i BMF_i x_{io})$$

o = occupation

h = reported 4-digit NAICS code in an MSA

w_i = adjusted sample weight for establishment i

BMF_i = final benchmark factor applied to establishment i

x_{io} = reported employment for occupation o in establishment i

\hat{X}_{ho} = estimated employment for occupation o in the MSA/ 4-digit NAICS cell

The estimated employment for an occupation at the MSA/all-industry level can be obtained by summing the occupational employment estimate \hat{X}_{ho} across all the 4-digit NAICS industries in the MSA.

$$\hat{X}_o = \sum_{h=1}^{L_h} \hat{X}_{ho}$$

L_h = # of 4-digit NAICS reporting occupation o in the MSA

However, the estimate can be made directly simply by summing up the data for the appropriate establishments multiplied by their final weights.

Wage rate estimation

Externally derived factors are used in wage rate estimation:

- Mean wage rates for each of the 12 wage intervals
- Wage updating or aging factors

Occupational wage data reported in the OES are grouped data. Individual wage rates are not collected for the workers. Instead, we obtain the number of workers in an occupation who are paid wages within each of 12 wage intervals. For example, an establishment might report that it employs 10 secretaries: 2 in wage interval B, paid wages between \$6.75 and \$8.49 per hour; 6 in wage interval D, paid wages between \$10.75 and \$13.49 per hour; and 2 in wage interval E, paid wages between \$13.50 and \$16.99 per hour. Simple arithmetic mean formulas cannot be used to get valid estimates of means when data are grouped. For valid estimates of means, standard formulas for grouped data need an approximately unbiased average value within each group.

Data from several sample panels with different reference dates are used to produce OES wage estimates. Sample panels have different reference periods and the wage data are not equivalent in real-dollar terms. Data collected prior to the current survey reference period need to be updated or aged to approximate the latest reference period. For the May 2003 survey, for example, wage data from November 2002, 2001, 2000, and 1999 samples need to be aged.

Determining a mean wage rate for each interval

The average hourly wage rate for all workers in any given wage interval cannot be derived from collected OES data. It is approximated externally using data from the BLS National Compensation Survey (NCS). The mean hourly wage rate for interval L, the upper, open-ended interval, is calculated after excluding wage data for pilots, an occupation that accounts for a large proportion of NCS employment in interval L. Because pilots work much fewer hours than other occupations, their hourly wage rates are naturally much higher than other occupations. The mean hourly wage rate for interval L, without pilots, is calculated separately for each survey reference period then averaged.

Wage aging process

Aging factors are developed from BLS' Employment Cost Index (ECI) survey. The ECI survey measures the rate of change in compensation from a past survey reference period (4th quarter 2000, for example) to the current survey reference period (2nd quarter 2003, for example) for nine major occupational groups.

Mean hourly wage rate estimates

Mean hourly wage is the total hourly wages for an occupation divided by its weighted survey employment. Estimates of mean hourly wage are calculated using a standard grouped data formula that is modified to utilize ECI aging factors.

$$\hat{R}_o = \frac{\sum_{z=t-4}^t \left(\sum_{i \in z} w_i BMF_i \hat{y}_{i o} \right)}{\hat{X}_o}$$

$$\hat{y}_{i o} = u_{z o} \sum_r x_{i o r} c_{z r} \quad (i \in z)$$

- o = occupation
- \hat{R}_o = mean hourly wage rate for occupation o
- z = year (or panel)
- t = current panel
- w_i = combined sampling weight for establishment i
- $\hat{y}_{i o}$ = unweighted total hourly wage estimate for occupation o in establishment i
- r = wage interval
- \hat{X}_o = estimated employment for occupation o
- $x_{i o r}$ = reported employment for occupation o in establishment i in wage interval r (note that establishment i reports data for only one panel z or one year z)
- $u_{z o}$ = ECI aging factor for year (or panel) z and occupation o
- $c_{z r}$ = mean hourly wage, interval r panel z (or year z)

In this formula, $c_{z r}$ represents the mean hourly wage of interval r in panel (or year) z . The mean is determined externally using data from the Bureau's NCS survey. Research is conducted at periodic intervals to verify the continued utility of this updating procedure.

Percentile hourly wage rate estimates

The p-th percentile hourly 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. The wage interval containing the p-th percentile hourly wage rate is located using a cumulative frequency count of employment across all wage intervals. After the targeted wage interval is identified, the p-th percentile wage rate is then estimated using a linear interpolation procedure.

$$pR_o = L_r + \frac{j}{f_r} (U_r - L_r)$$

- pR_o = p-th percentile hourly wage rate for occupation o
- r = wage interval that encompasses pR_o
- L_r = lower bound of wage interval r
- U_r = upper bound of wage interval r
- f_r = number of workers in interval r
- j = difference between the number of workers needed to reach the p-th percentile wage rate and the number of workers needed to reach the L_r wage rate

Annual wage rate estimates

These estimates are calculated by multiplying hourly wage rate estimates (mean or p-th percentile) with a “year-round, full time” figure of 2,080 hours (52 weeks x 40 hours) per year. The estimates, however, may not represent mean annual pay if the workers work more or less than 2,080 hours per year.

Alternatively, some workers are paid based on an annual amount but do not work the usual 2,080 hours per year. Since the survey does not collect the actual number of hours worked, hourly wage rates cannot be derived with any reasonable degree of confidence from the annual rates.

Confidentiality

BLS has a strict confidentiality policy that ensures that the survey sample composition, lists of reporters, and names of respondents will be kept confidential. Additionally, the policy assures respondents that published figures will not reveal the identity of any specific respondent and will not allow the data of any specific respondent to be imputed. Each published estimate is screened to ensure that it meets these confidentiality requirements. The specific screening criteria are not listed in this publication to further protect the confidentiality of the data.

Variance estimation

Occupational employment variance estimation

A subsample replication technique called the “jackknife random group” is used to estimate variances of occupational employment. In this technique, each sampled establishment is assigned to one of G random groups. Using the data in these groups, G subsamples are formed from the parent sample. Each subsample is reweighted to represent the entire universe.

For an occupational employment total, G estimates of total occupational employment (\hat{X}_{hjo}) are calculated, one employment estimate per subsample. Then the variability among these G estimates is calculated to obtain an estimate of variance. For example, an occupational employment variance estimate for 4-digit NAICS *h* and reported size class *j* is calculated as follows.

$$v(\hat{X}_{hjo}) = \frac{\sum_{g=1}^G (\hat{X}_{hjo}^{(g)} - \hat{X}_{hjo})^2}{G(G-1)}$$

$v(\hat{X}_{hjo})$ = estimated variance of \hat{X}_{hjo}

G = number of random groups

\hat{X}_{hjo} = estimated employment of occupation *o* in NAICS *h* and size class *j*

\hat{X}_{hjo} = estimated employment of occupation *o* in NAICS *h*, size class *j*, and subsample *g*

\hat{X}_{hjo} = estimated mean employment for occupation *o* in NAICS *h* and size class *j* based on the G subsamples (Note: a finite population correction factor is applied to the terms

\hat{X}_{hjo} and \hat{X}_{hjo} .)

The variance for an occupational employment estimate at the reported 4-digit NAICS *h* level is obtained by summing the variances $v(\hat{X}_{hjo})$ across all reported size classes *j* in NAICS *h*.

$$v(\hat{X}_{ho}) = \sum_{j \in h} v(\hat{X}_{hjo})$$

Similarly, the variance for an occupational employment estimate at the reported 3-digit NAICS level *H* is obtained by summing the variances $v(\hat{X}_{ho})$ across all reported 4-digit NAICS *h*'s within the 3-digit NAICS.

$$v(\hat{X}_{Ho}) = \sum_{h \in H} v(\hat{X}_{ho})$$

Occupational mean wage variance estimates

Because the OES wage data are collected in intervals (grouped), we do not capture the exact wage of each worker. Therefore, some components of the wage variance are approximated using factors developed from NCS data. A *Taylor Linearization* technique is used to develop a variance estimator appropriate for OES mean wage estimates. The primary component of the mean wage variance, which accounts for the variability of the observed sample data, is estimated using the standard estimator of variance for a ratio estimate. This component is the first term in the formula given below:

$$v(\hat{R}_o) = \left(\frac{1}{\hat{X}_o^2} \left(\sum_h \left\{ \frac{n_{ho}(1-f_{ho})}{n_{ho}-1} \right\} \left\{ \sum_{i \in h} w_i^2 (q_{io} - \bar{q}_{ho})^2 \right\} \right) + \left(\sum_r \theta_{or}^2 \sigma_{cr}^2 + \frac{1}{\hat{X}_o^2} \sum_r \left(\sum_{i=1}^{n_r} (w_i x_{ior})^2 \right) \sigma_{er}^2 + \frac{1}{\hat{X}_o} \sum_r \theta_{or} \sigma_{or}^2 \right) \right)$$

\hat{R}_o = estimated mean wage for occupation *o*

$v(\hat{R}_o)$ = estimated variance of \hat{R}_o

\hat{X}_o = estimated occupational employment for occupation *o*

h = stratum (area/industry/size class)

f_{ho} = sampling fraction for occupation *o* in stratum *h*

n_{ho} = number of sampled establishments that reported occupation o in stratum h

w_i = sampling weight for establishment i

$q_{io} = (\hat{y}_{io} - \hat{R}_o x_{io})$ for occupation o in establishment i

\hat{y}_{io} = estimated total occupational wage in establishment i for occupation o

x_{io} = reported employment in establishment i for occupation o

\bar{q}_{ho} = mean of the q_{io} quantities for occupation o in stratum h

θ_{or} = proportion of employment within interval r for occupation o ;

x_{ior} = reported employment in establishment i within wage interval r for occupation o

$(\sigma_{cr}^2, \sigma_{er}^2, \text{ and } \sigma_{or}^2)$ Within wage interval r , these

are estimated using the NCS and respectively represent the variability of the wage value imputed to each worker; the variability of wages across establishments; and the variability of wages within establishments.

Reliability of the estimates

Estimates developed from a sample may differ from the results of a census. An estimate based on a sample survey has two types of error—sampling error and nonsampling error. (A census would have only nonsampling error, but the nonsampling errors for a census and a survey designed to make the same estimates can be very different.)

Nonsampling error

This type of error is attributable to several causes, such as errors in the sampling frame; an inability to obtain information for all establishments in the sample; differences in respondents' interpretation of survey question; an inability or unwillingness of the respondents to provide correct information; errors made in recording, coding, or processing the data; and errors made in imputing values for missing data. Explicit measures of the effects of nonsampling error are not available.

Sampling errors

When a sample, rather than an entire population, is surveyed, estimates differ from the true population values that they represent. This difference, or sampling error, occurs by chance and its variability is measured by the variance of the estimate or the standard error of the estimate (square root of the variance). The relative standard error is the ratio of the standard error to the estimate itself, and is often called a coefficient of

variation, especially when it is expressed as a percent of the estimate.

Estimates of sampling errors for occupational employment and mean wage estimates are provided in this publication to allow data users to determine if estimates are reliable enough for their needs. Only a probability-based sample can be used to calculate estimates of sampling error from the sample itself. The formulas used to estimate OES variances are adaptations of formulas appropriate for the survey design used.

The particular sample used in this survey is one of a large number of many possible samples of the same size that could have been selected using the same sample design. Sample estimates from a given design are said to be unbiased when an average of the estimates from all possible samples would yield, hypothetically, the true population value. In this case, the sample estimate and its standard error can be used to construct approximate confidence intervals, or ranges of values that include the true population value with known probabilities. To illustrate, if the process of selecting a sample from the population was repeated many times, if each sample was surveyed under essentially the same unbiased conditions, and an estimate of its standard error made from each sample, then:

1. Approximately 68 percent of the intervals from one standard error below to one standard error above the estimate would include the true population value. This interval is called a 68-percent confidence interval.

2. Approximately 90 percent of the intervals from 1.6 standard errors below to 1.6 standard errors above the estimate would include the true population value. This interval is called a 90-percent confidence interval.

3. Approximately 95 percent of the intervals from 2 standard errors below to 2 standard errors above the estimate would include the true population value. This interval is called the 95-percent confidence interval.

4. Almost all (99.7 percent) of the intervals from 3 standard errors below to 3 standard errors above the estimate would include the true population value.

For example, suppose that an estimated occupational employment total is 5,000, with an associated estimate of relative standard error of 2.0 percent. Based on these data, the standard error of the estimate is 100 (2 percent of 5,000). To construct a 95-percent confidence interval, add and subtract 200 (twice the standard error) from the estimate: (4,800, 5,200). Approximately 95 percent of the intervals constructed in this manner will include the true occupational employment if survey methods are nearly unbiased.

Estimated standard errors should be taken to indicate the magnitude of sampling error only. They are not intended to measure nonsampling error, including any biases in the data.

Particular care should be exercised in the interpretation of small estimates or of small differences between estimates when the sampling error is relatively large or the magnitude of the bias is unknown.

Quality control measures

Several edit and quality control procedures are used to reduce nonsampling error. For example, completed survey questionnaires are checked for data consistency. Follow-up mailings and phone calls are sent out to nonresponding establishments to improve the survey response rate. Response analysis studies are conducted to assess the respondents' comprehension of the questionnaire. (See the section below for additional information on the quality control procedures used by the OES survey.)

The OES survey is a Federal-State cooperative effort that enables States to conduct their own surveys. A major concern with a cooperative program such as OES is to accommodate the needs of BLS and other Federal agencies, as well as State-specific publication needs, with limited resources while simultaneously standardizing survey procedures across all 50 States, the District of Columbia, and the U.S. territories. Controlling sources of nonsampling error in this decentralized environment can be difficult. One important computerized quality control tool used by the OES survey is the Survey Processing and Management (SPAM) system. It was developed to provide a consistent and automated framework for survey processing and to reduce the workload for analysts at the State, regional, and national levels.

To ensure standardized sampling methods in all areas, the sample is drawn in the national office. Standardizing data processing activities such as validating the sampling frame, allocating and selecting the sample, refining mailing addresses, addressing envelopes and mailers, editing and updating questionnaires, conducting electronic review, producing management reports, and calculating employment estimates have resulted in the overall standardization of the OES survey methodology. This has reduced the number of errors on the data files and the time needed to review them.

Other quality control measures used in the OES survey include:

- Follow-up solicitations of nonrespondents, especially critical or large nonrespondents;
- Review of schedules to verify the accuracy and reasonableness of the reported data;
- Adjustments for atypical reporting units on the data file;
- Validation of the benchmark employment figures and of the benchmark factors; and
- Validation of the analytical tables of estimates at the NAICS4/5 level.

Appendix C. Availability of Historical Occupational Employment Statistics Survey Data Nationally and from State Agencies

The Occupational Employment Statistics (OES) program currently produces occupational employment and wage estimates for the Nation, States, 334 metropolitan areas, and industries. The current estimates are based on the Standard Occupational Classification (SOC) system and the North American Industry Classification System (NAICS). National industry estimates are available at the three-, four-, and selected five-digit levels. These estimates are available online at www.bls.gov/oes/.

Industry data. Industry data are available at the national level only through the Bureau of Labor Statistics (BLS). For the years 1997 to 2001, industry data are available for two- and three-digit industries as defined by the Standard Industrial Classification (SIC) system. Prior to 1996, the OES survey collected data from specified industries in 1 of 3 years in the survey round, depending on the industry.

Industry data for States are not available from BLS but may be available from State Workforce Agencies listed on the

inside cover of this publication.

Occupational classification. Data are available for SOC occupations for 1999 forward. Prior to 1999, OES used its own occupational classification system.

Wage data. Wage data are provided for all areas and industries beginning with the 1997 data.

State data. Cross-industry State data for 1997 forward are available on the OES Web site. Prior to 1983, not all States participated in the OES program in all survey years. Starting with the 1991 OES survey, certain States also collected wage data. Check with the State Employment Security Agencies listed on the inside back cover of this publication regarding the availability of State data on occupational employment and wages.

Metropolitan area data. Cross-industry data for 334 metropolitan areas for 1997 forward are available on the OES Web site.