

# National Compensation Survey: Occupational Wages in the United States, July 2003



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## Summary 04-03

Earnings averaged \$17.75 per hour in July 2003 for private industry and State and local government workers in the United States. This summary presents aggregated national earnings data from the National Compensation Survey (NCS) for:

- Sectors of the economy (private industry, State and local government, and total)
- Worker characteristics, including occupational detail
- Establishment characteristics
- Geographic areas

The data in this summary are a subset of occupational earnings data from the NCS. Table 1 highlights the major types of data available by sector of the economy—private industry, State and local government, and total. Table 2 shows similar data for metropolitan and nonmetropolitan areas. Table 3 provides data for specific occupations, including separate estimates for full- and part-time workers.

Average hourly earnings were lower for private industry workers (\$16.98) than for State and local government workers (\$22.22) in July 2003. Part of this difference can be explained by differences in the occupational and industrial composition of the two sectors. For example, high-paying professional specialty and technical occupations are more common in State and local government than in private industry. (See the appendix table on page 16 for the number of workers by occupational group.)

**Worker characteristics.** Earnings varied by occupational group; full- and part-time status; union and nonunion status; and time and incentive pay. White-collar earnings, which averaged \$21.85 per hour, were the highest among occupational groups. Blue-collar pay averaged \$15.03 per hour, while the pay of service occupations averaged \$10.40.

Among white-collar occupational groups, average hourly earnings ranged from \$13.77 for administrative support workers to \$32.20 for executive, administrative, and managerial workers. Blue-collar workers' earnings ranged from \$11.27 for handlers, equipment cleaners, helpers, and laborers to \$18.89 for precision production, craft, and repair workers.

Earnings were higher for full-time than for part-time workers, averaging \$18.79 per hour and \$9.93 per hour, respectively. The difference reflects, in part, the occupational composition of the two groups. The NCS classifies workers as full and part time based on the employer's definition of those terms.

Pay also was higher for union workers (\$21.45 per hour) than for nonunion workers (\$16.96 per hour). Incentive workers (whose wages are based, at least in part, on productivity payments such as piece rates, commissions, and production bonuses) earned, on average, \$22.82 per hour. In contrast, earnings were lower for time workers (whose wages are based solely on an hourly rate or salary), who earned \$17.45 per hour.

Earnings also varied among occupations within occupational groups. For example, average hourly earnings in machine operator, assembler, and inspector occupations were \$13.30, with a range from \$8.58 for pressing machine operators working with textile articles, to \$18.91 for separating, filtering, and clarifying machine operators, such as centrifuge operators and carbonation equipment operators found in food product industries. (See table 3.)

**Establishment characteristics.** Earnings generally varied by size of the establishment and by industry.<sup>1</sup> Average hourly earnings ranged from \$15.06 in establishments employing between 1 and 99 workers to \$24.09 in those with 2,500 workers or more. In private industry, workers employed in goods-producing industries earned more (\$18.46) than did those in service-producing industries (\$16.44).

The occupational wages reported in this summary include private sector establishments with 1 worker or more and State and local government establishments with 50 workers or more.

**Geographic area.** Among the nine census divisions, average hourly earnings ranged from \$14.45 in the East South Central division to \$20.12 in the Pacific division. In private industry, average hourly earnings ranged from \$13.97 in the East South Central division to \$19.11 in the Pacific division. Earnings for State and local government workers ranged from \$18.34 in the East South Central division to \$25.76 in the Pacific division.

<sup>1</sup> Estimates for goods-producing and service-producing industries are for private industry only.

*Additional occupational earnings data.* More detailed information on average hourly earnings by occupation will be published later this year in the national bulletin. It will include:

- Occupational detail
- Occupational earnings by work level
- Summary data for the 9 census divisions
- Summary data for the 10 largest metropolitan areas

In addition, supplementary tables will be available online later this year at [www.bls.gov/ncs/home.htm](http://www.bls.gov/ncs/home.htm). These tables will include:

- National occupational wage percentiles
- National average weekly earnings and hours for full-time workers
- National average annual earnings and hours for full-time workers
- Census division average hourly earnings by occupational detail and work level

**TABLE 1. Mean hourly earnings<sup>1</sup> and weekly hours by selected characteristics, private industry and State and local government, United States, National Compensation Survey,<sup>2</sup> July 2003**

Worker and establishment characteristics and geographic areas	Total			Private industry			State and local government		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error <sup>3</sup> (percent)		Mean	Relative error <sup>3</sup> (percent)		Mean	Relative error <sup>3</sup> (percent)	
<b>Total</b> .....	\$17.75	0.9	35.7	\$16.98	1.0	35.5	\$22.22	0.8	36.8
<b>Worker characteristics:<sup>4</sup></b>									
White-collar occupations <sup>5</sup> .....	21.85	.7	36.1	21.12	.9	36.0	25.09	.9	36.6
Professional specialty and technical ...	28.37	.8	36.2	27.73	1.1	36.3	29.80	.7	36.1
Executive, administrative, and managerial .....	32.20	2.3	40.0	32.60	2.7	40.2	30.06	2.8	38.5
Sales .....	15.05	1.8	32.4	15.05	1.8	32.4	13.58	5.2	33.9
Administrative support .....	13.77	.7	36.3	13.69	.7	36.3	14.17	1.3	36.7
Blue-collar occupations <sup>5</sup> .....	15.03	.9	38.0	14.91	1.0	38.0	17.11	1.4	37.6
Precision production, craft, and repair	18.89	1.1	39.6	18.84	1.2	39.5	19.52	2.1	39.8
Machine operators, assemblers, and inspectors .....	13.30	1.3	39.1	13.29	1.3	39.1	16.52	10.0	38.5
Transportation and material moving ...	14.78	1.5	37.5	14.66	1.7	37.9	15.96	1.8	34.1
Handlers, equipment cleaners, helpers, and laborers .....	11.27	1.4	35.0	11.09	1.4	34.9	14.22	2.6	38.7
Service occupations <sup>5</sup> .....	10.40	1.5	31.5	8.90	1.1	30.4	16.70	1.3	37.1
Full time .....	18.79	1.0	39.6	18.07	1.1	39.7	22.62	.8	38.8
Part time .....	9.93	1.1	20.5	9.56	1.2	20.5	15.12	3.2	19.2
Union .....	21.45	.7	36.9	19.52	1.0	36.9	24.22	1.2	36.8
Nonunion .....	16.96	1.1	35.4	16.63	1.1	35.3	20.29	1.9	36.8
Time .....	17.45	.9	35.6	16.57	.9	35.4	22.22	.8	36.8
Incentive .....	22.82	5.1	36.9	22.82	5.1	36.9	-	-	-
<b>Establishment characteristics:</b>									
Goods producing .....	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	18.46	1.0	39.5	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )
Service producing .....	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	16.44	1.4	34.2	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )
1 to 99 workers <sup>7</sup> .....	15.06	1.1	34.5	15.03	1.1	34.5	17.32	3.8	36.5
100 to 499 workers .....	17.20	1.2	36.4	16.78	1.4	36.4	20.67	1.7	35.7
500 to 999 workers .....	19.48	1.3	36.9	18.57	1.8	37.1	22.56	2.1	36.1
1,000 to 2,499 workers .....	20.99	2.9	36.6	20.71	3.8	36.6	21.73	2.2	36.6
2,500 workers or more .....	24.09	2.4	36.9	24.99	4.8	36.4	23.23	1.4	37.5
<b>Geographic areas:<sup>8</sup></b>									
Metropolitan .....	18.29	.8	35.6	17.54	.9	35.4	23.09	.7	36.8
Nonmetropolitan .....	14.17	2.8	36.2	12.99	3.1	36.0	18.56	2.0	37.0
New England .....	19.55	1.4	34.3	18.70	1.5	34.1	25.45	2.5	35.6
Middle Atlantic .....	20.03	1.1	34.9	19.08	1.0	34.8	25.53	.6	35.6
East North Central .....	17.97	1.5	35.5	17.16	1.8	35.4	23.33	2.5	36.0
West North Central .....	17.03	4.4	35.1	16.30	4.8	34.7	21.09	4.4	37.4
South Atlantic .....	16.46	1.6	36.2	15.88	2.0	35.8	19.34	1.3	38.2
East South Central .....	14.45	6.6	36.2	13.97	7.3	36.1	18.34	2.7	36.9
West South Central .....	15.75	1.4	36.6	15.22	1.5	36.3	18.52	1.7	38.4
Mountain .....	16.63	3.0	35.8	15.65	1.8	35.6	22.34	3.6	37.2
Pacific .....	20.12	1.1	35.8	19.11	1.6	35.8	25.76	1.1	35.6

<sup>1</sup> Earnings are the straight-time hourly wages or salaries paid to employees. They include incentive pay, cost-of-living adjustments, and hazard pay. Excluded are premium pay for overtime, vacations, and holidays; nonproduction bonuses; and tips. The mean is computed by totaling the pay of all workers and dividing by the number of workers, weighted by hours.

<sup>2</sup> This survey covers all 50 States. Data were collected between December 2002 and January 2004. The average reference period was July 2003.

<sup>3</sup> The relative standard error (RSE) is the standard error expressed as a percent of the estimate. It can be used to calculate a "confidence interval" around a sample estimate. For more information about RSEs, see Technical Note.

<sup>4</sup> Employees are classified as working either a full-time or a part-time schedule based on the definition used by each establishment. Union workers are those whose wages are determined through collective bargaining. Wages of time workers are based solely on hourly rate or salary; incentive workers are those whose wages are at least partially based on productivity payments such as piece rates,

commissions, and production bonuses.

<sup>5</sup> A classification system including about 480 individual occupations is used to cover all workers in the civilian economy. For more information, see appendix B in "National Compensation Survey: Occupational Wages in the United States" on the BLS Internet site [www.bls.gov/ocs/compub.htm](http://www.bls.gov/ocs/compub.htm).

<sup>6</sup> Classification of establishments into goods-producing and service-producing industries applies to private industry only.

<sup>7</sup> Estimates include private establishments employing 1 to 99 workers and State and local government establishments employing 50 to 99 workers.

<sup>8</sup> Data are presented for metropolitan and nonmetropolitan area divisions as well as nine census divisions. See Technical Note for a list of States making up the nine census divisions.

NOTE: Dashes indicate that no data were reported or that data did not meet publication criteria.

**TABLE 2. Mean hourly earnings<sup>1</sup> and weekly hours by selected characteristics, metropolitan and nonmetropolitan areas,<sup>2</sup> United States, National Compensation Survey,<sup>3</sup> July 2003**

Worker and establishment characteristics and geographic areas	Total			Metropolitan areas			Nonmetropolitan areas		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error <sup>4</sup> (percent)		Mean	Relative error <sup>4</sup> (percent)		Mean	Relative error <sup>4</sup> (percent)	
<b>Total</b> .....	\$17.75	0.9	35.7	\$18.29	0.8	35.6	\$14.17	2.8	36.2
Private industry .....	16.98	1.0	35.5	17.54	.9	35.4	12.99	3.1	36.0
State and local government .....	22.22	.8	36.8	23.09	.7	36.8	18.56	2.0	37.0
<b>Worker characteristics:<sup>5</sup></b>									
White-collar occupations <sup>6</sup> .....	21.85	.7	36.1	22.32	.7	36.1	17.70	1.7	36.1
Professional specialty and technical ...	28.37	.8	36.2	29.05	.8	36.2	23.19	2.1	36.1
Executive, administrative, and managerial .....	32.20	2.3	40.0	32.76	2.5	40.0	25.87	2.1	39.8
Sales .....	15.05	1.8	32.4	15.47	1.9	32.3	11.08	3.1	33.2
Administrative support .....	13.77	.7	36.3	14.02	.7	36.3	11.62	1.7	36.5
Blue-collar occupations <sup>6</sup> .....	15.03	.9	38.0	15.30	1.0	37.8	13.60	2.2	38.7
Precision production, craft, and repair	18.89	1.1	39.6	19.30	1.2	39.5	16.43	3.3	39.8
Machine operators, assemblers, and inspectors .....	13.30	1.3	39.1	13.42	1.4	39.0	12.82	3.4	39.4
Transportation and material moving ...	14.78	1.5	37.5	14.89	1.7	37.4	14.17	3.3	38.2
Handlers, equipment cleaners, helpers, and laborers .....	11.27	1.4	35.0	11.46	1.5	34.8	10.18	2.8	36.4
Service occupations <sup>6</sup> .....	10.40	1.5	31.5	10.68	1.2	31.1	9.10	2.8	33.2
Full time .....	18.79	1.0	39.6	19.41	.9	39.5	14.78	3.1	39.7
Part time .....	9.93	1.1	20.5	10.07	1.1	20.4	8.91	2.6	20.7
Union .....	21.45	.7	36.9	21.89	.7	36.7	18.06	3.1	37.9
Nonunion .....	16.96	1.1	35.4	17.51	1.0	35.3	13.47	2.9	35.9
Time .....	17.45	.9	35.6	17.97	.8	35.5	14.08	2.7	36.1
Incentive .....	22.82	5.1	36.9	23.52	5.5	36.5	16.40	6.2	40.4
<b>Establishment characteristics:</b>									
Goods producing <sup>7</sup> .....	18.46	1.0	39.5	-	-	-	-	-	-
Service producing <sup>7</sup> .....	16.44	1.4	34.2	-	-	-	-	-	-
1 to 99 workers <sup>8</sup> .....	15.06	1.1	34.5	15.38	1.2	34.5	12.58	2.6	34.2
100 to 499 workers .....	17.20	1.2	36.4	17.74	1.3	36.3	14.62	1.8	36.9
500 to 999 workers .....	19.48	1.3	36.9	20.26	1.1	36.6	16.48	4.6	38.1
1,000 to 2,499 workers .....	20.99	2.9	36.6	21.97	1.6	36.4	15.88	13.6	38.1
2,500 workers or more .....	24.09	2.4	36.9	24.63	1.2	36.8	13.74	31.8	40.1
<b>Geographic areas:<sup>9</sup></b>									
New England .....	19.55	1.4	34.3	20.10	1.0	34.3	14.80	4.0	34.1
Middle Atlantic .....	20.03	1.1	34.9	20.24	1.1	34.9	16.15	7.4	35.3
East North Central .....	17.97	1.5	35.5	18.40	1.7	35.5	15.16	2.3	35.6
West North Central .....	17.03	4.4	35.1	17.98	5.2	35.1	13.64	3.4	35.2
South Atlantic .....	16.46	1.6	36.2	16.92	1.8	36.1	13.55	2.5	36.8
East South Central .....	14.45	6.6	36.2	15.57	5.7	35.0	12.43	12.9	38.6
West South Central .....	15.75	1.4	36.6	16.04	1.6	36.7	13.77	3.4	36.2
Mountain .....	16.63	3.0	35.8	16.77	3.7	35.8	15.95	3.3	35.8
Pacific .....	20.12	1.1	35.8	20.35	1.2	35.8	16.08	2.2	34.6

<sup>1</sup> Earnings are the straight-time hourly wages or salaries paid to employees. They include incentive pay, cost-of-living adjustments, and hazard pay. Excluded are premium pay for overtime, vacations, and holidays; nonproduction bonuses; and tips. The mean is computed by totaling the pay of all workers and dividing by the number of workers, weighted by hours.

<sup>2</sup> A metropolitan area can be a Metropolitan Statistical Area (MSA) or Consolidated Metropolitan Statistical Area (CMSA) as defined by the Office of Management and Budget, 1994. Nonmetropolitan areas are counties that do not fit the definitions above.

<sup>3</sup> This survey covers all 50 States. Data were collected between December 2002 and January 2004. The average reference period was July 2003.

<sup>4</sup> The relative standard error (RSE) is the standard error expressed as a percent of the estimate. It can be used to calculate a "confidence interval" around a sample estimate. For more information about RSEs, see Technical Note.

<sup>5</sup> Employees are classified as working either a full-time or a part-time schedule based on the definition used by each establishment. Union workers are those whose wages are determined through collective bargaining. Wages of time workers

are based solely on hourly rate or salary; incentive workers are those whose wages are at least partially based on productivity payments such as piece rates, commissions, and production bonuses.

<sup>6</sup> A classification system including about 480 individual occupations is used to cover all workers in the civilian economy. For more information, see appendix B in "National Compensation Survey: Occupational Wages in the United States" on the BLS Internet site [www.bls.gov/ocs/compub.htm](http://www.bls.gov/ocs/compub.htm).

<sup>7</sup> Classification of establishments into goods-producing and service-producing industries applies to private industry only.

<sup>8</sup> Estimates include private establishments employing 1 to 99 workers and State and local government establishments employing 50 to 99 workers.

<sup>9</sup> Data are presented for nine census divisions. See Technical Note for a list of States making up the nine census divisions.

NOTE: Dashes indicate that no data were reported or that data did not meet publication criteria.

TABLE 3. Mean hourly earnings<sup>1</sup> and weekly hours for selected occupations, full-time and part-time workers,<sup>2</sup> United States, National Compensation Survey,<sup>3</sup> July 2003

Occupation <sup>4</sup>	Total			Full time			Part time		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error <sup>5</sup> (percent)		Mean	Relative error <sup>5</sup> (percent)		Mean	Relative error <sup>5</sup> (percent)	
All .....	\$17.75	0.9	35.7	\$18.79	1.0	39.6	\$9.93	1.1	20.5
All, excluding sales .....	18.02	1.0	36.0	18.89	1.1	39.5	10.48	1.2	20.4
<b>White collar</b> .....	21.85	.7	36.1	22.92	.8	39.5	12.34	1.3	20.3
White collar, excluding sales .....	23.33	.8	37.0	23.84	.8	39.4	16.15	1.8	19.8
<b>Professional specialty and technical</b> .....	28.37	.8	36.2	28.74	.8	38.9	23.16	2.5	18.2
Professional specialty .....	30.60	.7	36.3	30.94	.8	38.9	25.24	2.4	17.5
Engineers, architects, and surveyors .....	34.24	1.2	40.3	34.24	1.2	40.5	34.09	13.9	20.7
Architects .....	31.16	4.1	40.2	31.17	4.1	40.3	-	-	-
Aerospace engineers .....	39.63	7.3	39.5	39.40	7.5	40.1	-	-	-
Metallurgical and materials engineers .....	30.87	5.8	40.3	30.87	5.8	40.3	-	-	-
Petroleum engineers .....	46.77	6.8	40.0	46.77	6.8	40.0	-	-	-
Chemical engineers .....	40.75	4.0	40.0	40.75	4.0	40.0	-	-	-
Nuclear engineers .....	36.82	3.4	40.0	36.82	3.4	40.0	-	-	-
Civil engineers .....	30.22	3.1	39.5	30.18	3.1	40.2	-	-	-
Electrical and electronic engineers .....	37.00	2.5	41.0	37.06	2.5	41.1	-	-	-
Industrial engineers .....	30.46	1.8	40.7	30.48	1.8	40.9	-	-	-
Mechanical engineers .....	31.65	2.2	40.5	31.65	2.1	40.7	-	-	-
Marine engineers and naval architects .....	29.76	11.5	40.0	29.76	11.5	40.0	-	-	-
Engineers, n.e.c. ....	35.97	2.2	40.0	35.93	2.2	40.2	-	-	-
Surveyors and mapping scientists .....	29.19	11.2	40.9	30.01	10.5	41.6	-	-	-
Mathematical and computer scientists .....	33.26	1.8	39.7	33.37	1.8	40.1	24.47	13.2	22.2
Computer systems analysts and scientists .....	33.25	1.8	39.7	33.37	1.8	40.1	24.47	13.2	22.2
Operations and systems researchers and analysts .....	33.33	5.6	39.8	33.33	5.6	39.8	-	-	-
Actuaries .....	36.27	7.3	40.6	36.27	7.3	40.6	-	-	-
Statisticians .....	28.56	10.9	39.5	28.56	10.9	39.5	-	-	-
Natural scientists .....	28.05	5.0	39.5	28.09	5.0	39.8	23.29	6.8	21.2
Physicists and astronomers .....	37.87	10.0	39.8	37.87	10.0	39.8	-	-	-
Chemists, except biochemists .....	27.83	3.9	39.7	27.84	3.9	39.8	-	-	-
Geologists and geodesists .....	34.07	11.2	40.9	34.07	11.2	40.9	-	-	-
Physical scientists, n.e.c. ....	30.71	8.4	40.0	30.71	8.4	40.0	-	-	-
Agricultural and food scientists .....	25.66	6.7	38.0	25.57	7.0	40.0	-	-	-
Biological and life scientists .....	26.92	14.7	38.9	27.05	14.9	39.3	-	-	-
Forestry and conservation scientists .....	21.12	8.8	40.2	21.12	8.8	40.2	-	-	-
Medical scientists .....	25.18	5.1	39.2	25.16	5.2	39.6	-	-	-
Health related .....	29.19	2.1	34.4	29.28	2.3	39.4	28.69	1.9	20.2
Physicians .....	52.91	5.4	40.0	52.21	5.9	43.3	69.74	2.4	14.0
Dentists .....	38.93	11.8	32.2	38.20	13.7	41.1	-	-	-
Optometrists .....	52.56	12.2	33.9	53.76	13.5	38.4	-	-	-
Health diagnosing practitioners, n.e.c. ....	34.08	2.9	37.6	-	-	-	-	-	-
Registered nurses .....	25.96	1.0	33.6	25.72	1.2	38.9	27.05	1.7	20.7
Pharmacists .....	39.32	1.1	33.4	40.04	1.3	39.8	34.84	5.5	16.6
Dietitians .....	20.95	3.8	36.6	20.84	4.0	39.8	22.08	7.4	20.2
Respiratory therapists .....	21.17	2.2	36.2	21.28	2.2	39.0	19.97	6.8	19.9
Occupational therapists .....	25.49	3.0	33.1	24.82	3.7	39.3	27.52	5.8	22.4
Physical therapists .....	28.07	2.0	33.8	27.11	1.9	39.4	32.59	4.2	20.3
Speech therapists .....	29.81	3.6	34.9	29.74	4.0	38.5	30.54	4.9	17.8
Therapists, n.e.c. ....	19.86	12.2	36.9	18.83	12.7	39.4	29.86	22.1	23.1
Physicians' assistants .....	35.06	7.2	37.7	35.43	6.2	40.0	-	-	-
Teachers, college and university .....	41.66	2.3	34.6	42.17	2.2	39.1	32.45	4.6	11.2
Earth, environmental, and marine science teachers .....	44.99	16.3	36.4	45.00	16.9	38.5	-	-	-
Biological science teachers .....	46.22	11.0	36.4	46.71	11.1	39.5	35.03	27.9	13.1
Chemistry teachers .....	38.05	10.1	40.5	38.09	10.2	41.0	-	-	-
Physics teachers .....	52.63	10.5	38.3	52.63	10.5	38.5	-	-	-
Natural science teachers, n.e.c. ....	44.16	4.2	39.2	44.16	4.2	39.2	-	-	-
Psychology teachers .....	38.13	5.1	36.9	38.29	5.2	39.4	27.06	9.6	6.8
Economics teachers .....	62.80	18.4	42.8	62.83	18.4	42.8	-	-	-
History teachers .....	38.54	9.3	38.6	38.13	9.9	40.7	-	-	-
Political science teachers .....	34.71	8.0	36.9	34.77	8.1	39.3	-	-	-
Sociology teachers .....	42.34	16.1	38.9	42.36	16.1	39.5	-	-	-
Social science teachers, n.e.c. ....	40.84	4.8	37.8	40.73	4.9	39.2	-	-	-
Engineering teachers .....	55.87	9.4	37.8	55.74	10.2	41.5	57.78	8.3	16.2

See footnotes at end of table.

TABLE 3. Mean hourly earnings<sup>1</sup> and weekly hours for selected occupations, full-time and part-time workers,<sup>2</sup> United States, National Compensation Survey,<sup>3</sup> July 2003—Continued

Occupation <sup>4</sup>	Total			Full time			Part time		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error <sup>5</sup> (percent)		Mean	Relative error <sup>5</sup> (percent)		Mean	Relative error <sup>5</sup> (percent)	
<b>White collar</b> —Continued									
<b>Professional specialty and technical</b> —Continued									
Professional specialty—Continued									
Teachers, college and university—Continued									
Mathematical science teachers .....	\$39.78	7.9	36.4	\$40.22	7.8	38.9	\$27.71	17.3	13.3
Computer science teachers .....	38.01	12.7	33.6	39.46	15.5	38.2	34.22	1.7	25.6
Medical science teachers .....	51.55	7.8	39.1	51.73	7.9	43.4	—	—	—
Health specialties teachers .....	43.73	8.2	36.1	44.15	8.5	38.0	28.51	14.0	13.0
Business, commerce, and marketing teachers ..	42.15	13.3	35.1	42.23	13.5	38.7	37.50	10.7	5.7
Agriculture and forestry teachers .....	41.18	23.2	36.8	41.18	23.2	36.8	—	—	—
Art, drama, and music teachers .....	36.08	7.0	30.9	36.72	7.9	38.6	27.70	10.9	8.5
Physical education teachers .....	34.05	9.3	23.5	36.69	8.8	38.7	20.86	29.3	7.9
Education teachers .....	39.96	8.5	37.1	40.08	8.5	38.2	27.92	26.1	9.6
English teachers .....	42.27	8.5	34.6	42.65	8.7	38.0	31.25	9.4	9.6
Foreign language teachers .....	32.52	20.3	34.3	31.64	22.7	40.5	38.98	12.9	16.2
Law teachers .....	56.34	13.7	24.9	59.55	13.9	36.3	31.29	16.0	7.2
Social work teachers .....	29.29	19.0	28.3	—	—	—	—	—	—
Theology teachers .....	40.55	6.5	39.7	40.64	6.6	39.9	—	—	—
Trade and industrial teachers .....	29.62	9.5	31.6	29.58	10.1	38.9	30.37	8.7	7.9
Other post-secondary teachers .....	40.36	3.5	32.2	41.13	3.6	38.5	30.83	7.3	10.6
Teachers, except college and university .....	30.09	1.1	34.3	30.59	1.0	36.7	18.67	5.1	13.9
Prekindergarten and kindergarten .....	18.10	7.1	35.1	18.69	7.1	38.1	13.33	12.4	21.5
Elementary school teachers .....	31.74	1.1	36.1	31.79	1.1	36.5	25.89	9.3	17.1
Secondary school teachers .....	31.88	1.4	36.6	31.87	1.4	37.0	32.36	6.2	18.0
Teachers, special education .....	32.90	3.5	35.0	33.09	3.5	35.9	24.52	14.9	15.8
Teachers, n.e.c. ....	30.06	2.5	28.6	31.27	3.0	36.2	20.35	8.2	10.6
Substitute teachers .....	12.48	4.1	15.0	12.00	10.7	33.7	12.58	4.9	13.4
Vocational and educational counselors .....	26.63	5.2	36.8	26.67	5.6	37.7	25.70	16.5	21.2
Librarians, archivists, and curators .....	25.93	4.4	37.1	26.12	4.5	38.1	18.73	3.8	19.1
Librarians .....	26.01	4.8	37.2	26.22	4.9	38.2	18.71	4.0	19.4
Archivists and curators .....	25.24	7.0	36.6	25.35	7.1	37.4	18.99	7.8	16.6
Social scientists and urban planners .....	28.68	5.6	36.7	28.95	5.8	39.1	20.74	20.5	12.8
Economists .....	31.37	7.6	41.3	31.37	7.6	41.3	—	—	—
Psychologists .....	28.67	7.4	34.4	29.19	7.7	38.0	20.80	20.9	13.9
Social scientists, n.e.c. ....	24.58	12.8	36.3	24.58	12.8	37.8	—	—	—
Urban planners .....	26.04	4.8	35.7	26.12	4.8	39.4	—	—	—
Social, recreation, and religious workers .....	18.09	2.1	37.0	18.17	2.2	39.1	16.56	7.5	18.6
Social workers .....	18.25	2.3	37.3	18.26	2.4	39.0	18.13	5.4	17.2
Recreation workers .....	16.06	7.2	32.8	17.74	5.5	39.5	10.35	18.5	20.7
Clergy .....	17.11	8.7	37.6	16.32	8.9	41.4	—	—	—
Religious workers, n.e.c. ....	18.18	9.7	34.9	18.31	10.0	39.0	—	—	—
Lawyers and judges .....	46.50	4.7	40.3	46.59	4.8	41.5	41.99	13.1	16.2
Lawyers .....	46.11	4.9	40.4	46.17	4.9	41.6	43.03	14.1	16.4
Judges .....	56.65	12.8	36.7	57.81	12.7	39.6	—	—	—
Writers, authors, entertainers, athletes, and professionals, n.e.c. ....	23.90	3.8	35.2	24.67	4.0	39.4	13.54	9.1	14.4
Technical writers .....	27.91	6.0	39.7	27.98	5.9	40.1	—	—	—
Designers .....	21.45	6.0	37.8	22.08	5.9	39.7	8.98	7.7	19.5
Musicians and composers .....	34.68	17.4	20.8	—	—	—	24.80	43.0	6.9
Actors and directors .....	27.39	11.7	37.1	28.18	12.3	40.7	14.71	39.4	15.3
Painters, sculptors, craft artists, and artist printmakers .....	20.53	11.5	34.5	21.27	11.2	39.0	—	—	—
Photographers .....	17.21	11.5	35.7	17.31	11.1	39.5	16.18	28.9	17.7
Dancers .....	8.44	37.4	17.1	—	—	—	6.88	39.0	15.5
Artists, performers, and related workers, n.e.c. ....	14.95	7.0	30.9	15.08	6.6	39.5	14.60	18.8	19.5
Editors and reporters .....	24.82	12.3	38.7	24.89	12.3	39.0	16.29	26.4	20.6
Public relations specialists .....	25.08	4.5	39.1	25.22	4.5	39.8	14.41	6.4	16.7
Announcers .....	29.94	33.2	24.8	37.75	38.6	37.2	11.38	23.3	13.9
Athletes .....	22.32	21.4	24.1	26.18	20.9	39.5	11.92	11.5	11.8
Professional, n.e.c. ....	30.05	5.8	39.0	30.07	6.0	39.7	29.37	5.4	23.7
Technical .....	20.85	1.5	36.1	21.09	1.5	38.9	18.19	4.5	20.3
Clinical laboratory technologists and technicians .....	17.15	2.4	36.2	17.07	2.6	38.8	18.18	5.7	18.9

See footnotes at end of table.

TABLE 3. Mean hourly earnings<sup>1</sup> and weekly hours for selected occupations, full-time and part-time workers,<sup>2</sup> United States, National Compensation Survey,<sup>3</sup> July 2003—Continued

Occupation <sup>4</sup>	Total			Full time			Part time		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error <sup>5</sup> (percent)		Mean	Relative error <sup>5</sup> (percent)		Mean	Relative error <sup>5</sup> (percent)	
<b>White collar</b> —Continued									
<b>Professional specialty and technical</b> —Continued									
<b>Technical</b> —Continued									
Dental hygienists .....	\$29.66	4.4	23.9	\$30.59	4.5	33.9	\$28.00	6.0	15.6
Health record technologists and technicians .....	16.31	7.5	35.4	16.99	7.2	39.6	11.94	16.9	21.2
Radiological technicians .....	22.77	2.4	34.1	22.72	2.4	39.4	23.02	7.4	19.0
Licensed practical nurses .....	16.39	1.0	35.0	16.28	1.1	39.1	16.99	2.1	22.2
Health technologists and technicians, n.e.c. ....	16.20	3.4	34.5	16.61	3.6	39.5	13.41	6.1	18.6
Electrical and electronic technicians .....	21.02	6.0	39.7	21.02	6.1	40.2	20.62	16.8	20.6
Industrial engineering technicians .....	22.08	3.6	40.2	22.08	3.6	40.2	—	—	—
Mechanical engineering technicians .....	22.85	4.9	40.3	22.87	4.9	40.4	—	—	—
Engineering technicians, n.e.c. ....	22.69	3.7	39.3	22.52	3.6	39.8	26.67	26.0	29.7
Drafters .....	19.88	2.6	39.5	19.94	2.8	40.0	16.98	21.2	25.4
Surveying and mapping technicians .....	16.41	6.7	39.8	16.41	6.7	39.8	—	—	—
Biological technicians .....	16.73	5.3	37.7	17.02	5.1	39.7	12.08	9.5	20.5
Chemical technicians .....	20.67	6.6	39.9	20.67	6.6	39.9	—	—	—
Science technicians, n.e.c. ....	22.80	14.2	39.8	24.61	13.3	40.3	—	—	—
Airplane pilots and navigators .....	98.47	7.0	21.9	103.49	5.3	22.4	—	—	—
Broadcast equipment operators .....	16.39	15.5	35.4	17.16	16.8	39.4	8.84	7.2	17.8
Computer programmers .....	28.90	3.1	38.6	28.85	3.2	40.0	30.32	18.1	20.6
Tool programmers, numerical control .....	19.21	4.8	40.0	19.21	4.8	40.0	—	—	—
Legal assistants .....	19.69	3.7	37.2	19.87	3.6	38.4	16.02	15.3	22.1
Technical and related, n.e.c. ....	20.94	5.8	38.4	20.74	5.6	39.6	25.44	44.6	22.5
<b>Executive, administrative, and managerial</b> .....									
Executives, administrators, and managers .....	35.92	2.7	40.5	36.02	2.7	40.8	21.39	11.8	18.3
Legislators .....	15.77	18.6	13.8	14.82	28.9	38.1	16.95	22.9	7.7
Chief executives and general administrators, public administration .....	42.70	10.8	42.6	43.14	10.9	43.3	—	—	—
Administrators and officials, public administration .....	30.92	3.5	39.3	30.97	3.5	39.6	25.24	14.0	21.5
Financial managers .....	42.05	14.5	40.4	42.12	14.5	40.8	—	—	—
Personnel and labor relations managers .....	32.87	8.3	40.5	32.87	8.3	40.5	—	—	—
Purchasing managers .....	29.93	6.2	40.4	29.93	6.2	40.4	—	—	—
Managers, marketing, advertising, and public relations .....	43.66	8.9	41.0	43.68	8.9	41.0	—	—	—
Administrators, education and related fields .....	35.37	4.1	38.9	35.57	4.1	39.4	25.76	15.7	24.4
Managers, medicine and health .....	35.16	4.4	39.7	35.21	4.5	39.8	31.13	18.3	29.1
Managers, food servicing and lodging establishments .....	19.79	5.4	42.3	19.98	5.3	43.3	—	—	—
Managers, properties and real estate .....	20.02	5.2	37.7	20.77	4.3	39.5	—	—	—
Funeral directors .....	21.30	17.5	44.2	21.30	17.5	44.2	—	—	—
Managers, service organizations, n.e.c. ....	28.80	9.5	40.5	28.93	9.6	41.1	15.99	10.8	16.7
Managers and administrators, n.e.c. ....	37.01	3.0	41.1	37.02	3.0	41.2	33.57	21.4	21.6
Management related .....	25.93	1.8	39.1	26.01	1.8	39.9	22.01	4.9	20.4
Accountants and auditors .....	24.35	2.0	38.6	24.35	1.9	39.9	24.30	8.5	24.2
Underwriters .....	27.68	6.4	38.8	27.68	6.4	38.8	—	—	—
Other financial officers .....	32.94	7.0	39.6	33.13	7.0	40.0	17.67	19.1	22.1
Management analysts .....	28.30	4.5	40.0	28.30	4.6	40.2	27.57	4.6	26.5
Personnel, training, and labor relations specialists .....	23.30	2.6	38.0	23.40	2.7	40.3	19.13	12.3	10.9
Purchasing agents and buyers, farm products ..	27.90	18.2	36.5	28.85	18.1	39.5	—	—	—
Buyers, wholesale and retail trade, except farm products .....	25.08	3.8	39.9	25.08	3.8	39.9	—	—	—
Purchasing agents and buyers, n.e.c. ....	24.55	6.7	39.9	24.56	6.7	40.0	—	—	—
Business and promotional agents .....	21.93	6.9	40.6	21.93	6.9	40.6	—	—	—
Construction inspectors .....	23.60	4.1	39.0	23.64	4.2	39.8	—	—	—
Inspectors and compliance officers, except construction .....	22.44	3.0	39.5	22.47	3.0	39.7	—	—	—
Management related, n.e.c. ....	24.93	1.9	39.4	25.03	1.9	39.8	17.98	9.4	21.9
<b>Sales</b> .....									
Supervisors, sales .....	19.34	3.2	41.2	19.42	3.2	41.4	8.82	11.6	22.8

See footnotes at end of table.

TABLE 3. Mean hourly earnings<sup>1</sup> and weekly hours for selected occupations, full-time and part-time workers,<sup>2</sup> United States, National Compensation Survey,<sup>3</sup> July 2003—Continued

Occupation <sup>4</sup>	Total			Full time			Part time		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error <sup>5</sup> (percent)		Mean	Relative error <sup>5</sup> (percent)		Mean	Relative error <sup>5</sup> (percent)	
<b>White collar —Continued</b>									
<b>Sales —Continued</b>									
Insurance sales .....	\$22.80	8.0	39.2	\$22.89	8.1	39.6	—	—	—
Real estate sales .....	23.15	8.9	36.2	23.56	8.7	39.4	—	—	—
Securities and financial services sales .....	47.25	7.9	39.3	47.95	7.7	40.3	—	—	—
Advertising and related sales .....	22.02	11.6	38.7	22.04	11.7	38.8	—	—	—
Sales, other business services .....	21.10	7.9	37.0	22.35	6.4	40.5	\$8.20	3.3	19.8
Sales engineers .....	34.75	5.3	42.0	34.75	5.3	42.0	—	—	—
Sales representatives, mining, manufacturing, and wholesale .....	26.72	3.7	40.2	26.80	3.6	40.4	11.93	10.0	19.0
Sales workers, motor vehicles and boats .....	19.12	4.1	44.0	19.19	4.1	44.4	—	—	—
Sales workers, apparel .....	8.74	3.3	25.1	10.12	5.7	37.4	7.55	2.0	19.5
Sales workers, shoes .....	8.67	7.6	23.5	10.82	9.5	39.3	7.37	5.4	19.0
Sales workers, furniture and home furnishings ..	11.17	6.4	28.3	13.64	6.9	41.4	8.46	4.1	20.9
Sales workers, radio, tv, hi-fi, and appliances ...	17.67	29.5	33.5	21.01	25.4	39.8	8.55	4.0	23.4
Sales workers, hardware and building supplies ..	13.44	4.6	36.4	14.31	5.0	40.6	9.94	2.8	25.7
Sales workers, parts .....	13.85	5.0	37.6	14.29	5.0	40.5	8.52	5.5	20.0
Sales workers, other commodities .....	11.37	3.7	29.2	13.35	4.6	39.2	7.81	1.6	20.0
Sales counter clerks .....	9.48	7.0	29.3	10.80	7.1	39.1	7.22	4.8	20.5
Cashiers .....	8.40	1.6	28.5	9.15	2.1	39.2	7.55	1.0	21.8
Street and door-to-door sales workers .....	19.16	19.9	32.1	23.28	17.2	40.0	12.42	30.6	24.2
Demonstrators, promoters, and models, sales ..	12.41	8.2	21.8	13.98	5.9	39.8	10.34	21.7	13.6
Sales support, n.e.c. ....	14.85	7.5	35.9	15.88	8.3	40.0	8.67	4.4	22.0
<b>Administrative support, including clerical .....</b>									
Supervisors, general office .....	13.77	.7	36.3	14.07	.7	39.3	10.94	1.4	21.1
Supervisors, computer equipment operators .....	18.56	2.7	39.1	18.65	2.7	39.6	—	—	—
Supervisors, computer equipment operators .....	20.62	8.9	39.8	20.62	8.9	39.8	—	—	—
Supervisors, financial records processing .....	20.31	2.7	39.3	20.31	2.7	39.3	—	—	—
Chief communications operators .....	20.05	5.3	40.0	20.05	5.3	40.0	—	—	—
Supervisors, distribution, scheduling, and adjusting clerks .....	20.54	4.8	40.1	20.73	4.8	40.5	—	—	—
Computer operators .....	15.61	3.1	39.0	15.69	3.1	39.7	11.01	10.2	18.3
Peripheral equipment operators .....	12.96	8.0	37.0	13.16	8.2	39.2	—	—	—
Secretaries .....	15.41	1.0	37.4	15.55	1.0	38.9	12.76	4.0	21.6
Stenographers .....	17.85	4.7	33.8	17.59	4.9	38.8	19.20	15.6	20.4
Typists .....	14.34	2.4	37.2	14.48	2.5	38.6	11.12	5.6	20.3
Interviewers .....	11.54	3.9	33.0	11.92	3.5	39.6	9.69	6.9	18.1
Hotel clerks .....	8.99	2.8	36.0	9.09	3.1	39.5	8.22	4.5	21.3
Transportation ticket and reservation agents .....	14.07	5.9	36.2	13.87	6.3	39.2	15.66	4.3	22.3
Receptionists .....	10.98	1.6	34.2	11.34	1.5	39.3	8.96	3.0	19.7
Information clerks, n.e.c. ....	12.94	2.6	37.1	13.31	2.6	39.6	10.15	5.8	25.2
Correspondence clerks .....	13.65	3.0	39.0	13.72	3.1	40.0	—	—	—
Order clerks .....	13.86	2.4	38.1	14.21	2.5	39.8	9.94	5.6	26.1
Personnel clerks, except payroll and timekeeping .....	15.21	2.6	39.4	15.22	2.6	39.8	14.26	11.8	22.2
Library clerks .....	11.98	2.8	29.3	12.67	3.8	37.9	10.29	3.4	18.9
File clerks .....	10.27	3.1	32.0	10.78	2.2	39.3	8.69	8.4	20.3
Records clerks, n.e.c. ....	13.38	1.9	37.9	13.49	2.0	39.4	11.65	6.1	23.1
Bookkeepers, accounting and auditing clerks ...	14.11	1.6	36.9	14.32	1.6	39.3	11.18	3.9	20.0
Payroll and timekeeping clerks .....	15.41	3.2	36.8	15.57	3.1	39.5	12.38	7.8	15.9
Billing clerks .....	12.79	2.7	37.8	12.82	2.9	39.7	11.82	4.2	16.3
Cost and rate clerks .....	12.08	14.8	39.9	12.08	14.8	39.9	—	—	—
Billing, posting, and calculating machine operators .....	11.86	3.5	31.9	12.92	5.3	39.5	9.12	2.5	21.3
Duplicating machine operators .....	11.99	7.3	38.2	12.07	7.6	39.5	9.74	6.3	20.6
Mail preparing and paper handling machine operators .....	11.53	5.5	38.1	11.72	5.6	39.7	—	—	—
Office machine operators, n.e.c. ....	10.52	4.3	38.8	10.57	4.3	39.6	—	—	—
Telephone operators .....	12.97	8.1	35.1	13.83	7.4	38.8	8.95	6.5	24.3
Communications equipment operators, n.e.c. ....	10.78	13.0	30.6	11.75	13.3	39.3	—	—	—
Mail clerks, except postal service .....	11.50	4.3	36.2	11.73	4.6	38.9	9.37	6.0	22.0
Messengers .....	9.54	6.5	29.6	10.07	10.9	39.7	8.49	5.6	19.7
Dispatchers .....	15.91	6.0	39.1	16.06	6.1	40.4	10.89	10.9	19.1

See footnotes at end of table.



TABLE 3. Mean hourly earnings<sup>1</sup> and weekly hours for selected occupations, full-time and part-time workers,<sup>2</sup> United States, National Compensation Survey,<sup>3</sup> July 2003—Continued

Occupation <sup>4</sup>	Total			Full time			Part time		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error <sup>5</sup> (percent)		Mean	Relative error <sup>5</sup> (percent)		Mean	Relative error <sup>5</sup> (percent)	
<b>White collar</b> —Continued									
<b>Administrative support, including clerical</b> —Continued									
Production coordinators .....	\$17.68	3.6	39.5	\$17.71	3.5	40.0	—	—	—
Traffic, shipping and receiving clerks .....	12.93	2.3	33.6	13.19	2.4	39.9	—	—	—
Stock and inventory clerks .....	12.45	2.1	36.5	12.76	2.4	39.8	\$9.43	4.6	20.4
Meter readers .....	16.58	3.8	36.8	16.72	4.0	40.0	12.79	9.6	12.2
Weighers, measurers, checkers, and samplers .....	14.46	8.7	37.8	14.50	8.8	40.0	—	—	—
Expeditors .....	15.28	6.1	37.1	15.69	6.2	39.0	10.53	8.7	23.9
Material recording, scheduling, and distribution clerks, n.e.c. ....	11.85	4.2	38.5	11.96	4.3	39.8	8.93	3.8	20.4
Insurance adjusters, examiners, and investigators .....	17.68	4.0	38.1	17.73	4.0	38.9	15.60	7.4	21.3
Investigators and adjusters, except insurance ...	14.99	2.1	38.0	15.16	2.1	39.7	12.37	6.1	22.7
Eligibility clerks, social welfare .....	14.89	2.9	38.9	14.94	2.9	39.0	—	—	—
Bill and account collectors .....	14.11	3.4	37.8	14.29	3.6	39.5	11.49	6.0	23.7
General office clerks .....	12.88	.9	35.7	13.16	1.0	39.2	10.60	3.5	20.5
Bank tellers .....	10.35	1.3	34.2	10.54	1.4	39.5	9.61	1.7	22.7
Proofreaders .....	15.52	15.7	35.1	17.76	15.5	39.7	10.63	22.4	28.0
Data entry keyers .....	11.84	2.8	36.0	12.08	3.3	39.6	10.44	4.2	23.5
Statistical clerks .....	13.72	3.9	33.1	13.69	4.3	39.4	—	—	—
Teachers' aides .....	11.31	1.6	31.6	10.72	1.7	36.0	13.29	3.0	22.3
Administrative support, n.e.c. ....	14.06	1.7	36.0	14.43	1.6	39.3	11.07	5.8	21.7
<b>Blue collar</b> .....	15.03	.9	38.0	15.38	1.0	40.0	9.71	3.6	21.4
<b>Precision production, craft, and repair</b> .....									
Supervisors, mechanics and repairers .....	23.11	2.9	40.9	23.11	2.9	40.9	—	—	—
Automobile mechanics .....	17.88	3.9	39.4	18.03	4.0	40.3	10.08	3.7	18.2
Automobile mechanic apprentices .....	12.37	10.4	39.9	12.52	10.6	41.1	—	—	—
Bus, truck, and stationary engine mechanics ....	17.26	2.3	39.6	17.36	2.2	40.1	—	—	—
Small engine repairers .....	14.69	5.5	39.3	14.86	5.3	40.0	—	—	—
Automobile body and related repairers .....	15.92	3.5	39.7	16.02	3.5	40.1	—	—	—
Aircraft mechanics, except engine .....	25.68	6.8	40.0	25.69	6.8	40.0	—	—	—
Heavy equipment mechanics .....	18.59	3.7	39.9	18.60	3.7	39.9	—	—	—
Farm equipment mechanics .....	13.76	3.5	41.4	13.79	3.6	41.4	—	—	—
Industrial machinery repairers .....	19.81	1.7	39.8	19.82	1.7	39.8	—	—	—
Machinery maintenance .....	15.83	4.5	39.8	15.82	4.5	39.8	—	—	—
Electronic repairers, communications and industrial equipment .....	21.65	4.8	39.4	21.72	4.8	40.0	16.29	26.2	19.9
Data processing equipment repairers .....	17.14	11.3	39.7	17.14	11.3	39.7	—	—	—
Household appliance and power tool repairers .....	15.48	5.4	39.7	15.49	5.5	40.1	—	—	—
Telephone line installers and repairers .....	24.36	3.7	39.9	24.36	3.7	39.9	—	—	—
Telephone installers and repairers .....	22.95	2.1	40.0	22.95	2.1	40.0	—	—	—
Heating, air conditioning, and refrigeration mechanics .....	17.81	3.5	40.0	17.81	3.5	40.0	—	—	—
Locksmiths and safe repairers .....	14.63	10.2	41.0	14.63	10.2	41.0	—	—	—
Office machine repairers .....	15.39	7.5	39.9	15.39	7.5	39.9	—	—	—
Mechanical controls and valve repairers .....	21.87	3.9	39.5	22.01	3.9	40.0	—	—	—
Elevator installers and repairers .....	37.52	12.9	40.0	37.52	12.9	40.0	—	—	—
Millwrights .....	21.56	5.1	40.0	21.54	5.2	40.0	—	—	—
Mechanics and repairers, n.e.c. ....	16.05	2.6	38.8	16.10	2.6	39.5	12.76	10.8	17.7
Supervisors, brickmasons, stonemasons, and tilers .....	21.30	16.1	40.0	21.30	16.1	40.0	—	—	—
Supervisors, carpenters and related workers ....	24.65	3.9	40.6	24.65	3.9	40.6	—	—	—
Supervisors, electricians and power transmission installers .....	29.72	4.9	40.0	29.72	4.9	40.0	—	—	—
Supervisors, painters, paperhangers, and plasterers .....	21.19	5.4	39.5	21.29	5.4	40.5	—	—	—
Supervisors, plumbers, pipefitters, and steamfitters .....	26.83	3.6	40.0	26.83	3.6	40.0	—	—	—
Supervisors, construction trades, n.e.c. ....	21.22	4.0	40.4	21.22	4.0	40.4	—	—	—
Brickmasons and stonemasons .....	24.68	8.0	38.4	24.68	8.4	40.0	—	—	—

See footnotes at end of table.

TABLE 3. Mean hourly earnings<sup>1</sup> and weekly hours for selected occupations, full-time and part-time workers,<sup>2</sup> United States, National Compensation Survey,<sup>3</sup> July 2003—Continued

Occupation <sup>4</sup>	Total			Full time			Part time		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error <sup>5</sup> (percent)		Mean	Relative error <sup>5</sup> (percent)		Mean	Relative error <sup>5</sup> (percent)	
<b>Blue collar—Continued</b>									
<b>Precision production, craft, and repair—Continued</b>									
Tile setters, hard and soft .....	\$19.03	12.1	40.0	\$19.03	12.1	40.0	—	—	—
Carpet installers .....	17.99	15.9	38.4	18.09	16.9	40.0	—	—	—
Carpenters .....	18.83	4.0	39.5	18.84	4.0	40.0	\$18.02	26.4	22.3
Carpenter apprentices .....	13.56	6.8	38.7	13.53	7.2	40.0	—	—	—
Drywall installers .....	20.69	7.7	39.9	20.69	7.7	40.0	—	—	—
Electricians .....	23.91	2.7	39.5	23.91	2.7	39.7	—	—	—
Electrician apprentices .....	14.98	3.9	39.9	14.98	3.9	39.9	—	—	—
Electrical power installers and repairers .....	24.82	3.5	40.0	24.82	3.5	40.0	—	—	—
Painters, construction and maintenance .....	14.15	5.2	39.2	14.16	5.2	39.6	—	—	—
Plasterers .....	14.62	11.6	38.5	14.54	11.8	39.5	—	—	—
Plumbers, pipefitters and steamfitters .....	22.34	2.6	39.9	22.35	2.6	39.9	—	—	—
Plumber, pipefitter, and steamfitter apprentices .....	13.52	3.1	40.0	13.52	3.1	40.0	—	—	—
Concrete and terrazzo finishers .....	18.10	11.3	39.3	18.10	11.3	39.4	—	—	—
Glaziers .....	17.94	6.8	38.6	17.77	6.6	40.0	—	—	—
Insulation workers .....	16.50	9.4	39.7	16.50	9.4	39.7	—	—	—
Paving, surfacing, and tamping equipment operators .....	15.02	14.4	41.2	15.02	14.4	41.2	—	—	—
Roofers .....	16.25	7.5	39.1	16.23	7.5	39.3	—	—	—
Sheet metal duct installers .....	22.47	14.1	40.0	22.47	14.1	40.0	—	—	—
Structural metal workers .....	19.66	6.4	40.0	19.66	6.4	40.0	—	—	—
Drillers, earth .....	16.51	5.4	40.0	16.51	5.4	40.0	—	—	—
Construction trades, n.e.c. ....	16.79	5.1	39.3	16.72	5.2	39.9	20.86	9.0	22.9
Supervisors, extractive .....	27.56	13.2	42.3	27.56	13.2	42.3	—	—	—
Mining machine operators .....	19.50	11.1	40.0	19.50	11.1	40.0	—	—	—
Mining, n.e.c. ....	16.60	11.6	40.0	16.60	11.6	40.0	—	—	—
Supervisors, production .....	20.22	2.2	40.4	20.25	2.2	40.4	—	—	—
Tool and die makers .....	22.15	2.3	40.1	22.15	2.3	40.1	—	—	—
Tool and die maker apprentices .....	17.66	5.8	39.8	17.66	5.8	39.8	—	—	—
Precision assemblers, metal .....	19.62	5.0	40.0	19.62	5.0	40.0	—	—	—
Machinists .....	19.22	2.4	39.9	19.23	2.5	39.9	—	—	—
Machinist apprentices .....	13.27	10.0	37.9	13.92	10.7	40.0	—	—	—
Boilermakers .....	17.63	5.2	39.9	17.63	5.2	39.9	—	—	—
Precision grinders, filers, and tool sharpeners .....	15.01	10.9	40.2	15.01	10.9	40.2	—	—	—
Patternmakers and modelmakers, metal .....	21.21	10.7	40.0	21.21	10.7	40.0	—	—	—
Layout workers .....	16.52	15.5	40.0	16.52	15.5	40.0	—	—	—
Precious stones and metals workers .....	13.45	14.9	39.8	13.45	14.9	39.8	—	—	—
Engravers, metal .....	16.62	16.9	40.0	16.62	16.9	40.0	—	—	—
Sheet metal workers .....	16.88	5.9	39.1	16.88	5.9	39.1	—	—	—
Sheet metal worker apprentices .....	13.81	13.7	39.5	13.81	13.7	39.5	—	—	—
Patternmakers and modelmakers, wood .....	17.37	14.6	40.0	17.37	14.6	40.0	—	—	—
Cabinet makers and bench carpenters .....	12.38	6.4	38.5	12.54	5.8	40.0	—	—	—
Furniture and wood finishers .....	12.68	7.4	37.6	12.86	7.4	40.0	—	—	—
Tailors .....	12.60	7.6	27.6	13.19	7.5	39.3	—	—	—
Upholsters .....	15.15	15.8	39.9	15.15	15.8	39.9	—	—	—
Hand molders and shapers, except jewelers .....	15.45	12.8	40.0	15.45	12.8	40.0	—	—	—
Patternmakers, layout workers, and cutters .....	16.49	10.8	39.3	16.71	11.2	40.0	—	—	—
Optical goods workers .....	12.65	6.7	39.9	12.65	6.7	39.9	—	—	—
Dental laboratory and medical appliance technicians .....	14.67	2.3	39.7	14.67	2.3	39.7	—	—	—
Bookbinders .....	13.96	8.6	37.8	14.19	8.4	39.8	—	—	—
Electrical and electronic equipment assemblers .....	12.62	4.0	39.6	12.68	4.1	39.9	9.83	4.1	29.3
Miscellaneous precision workers, n.e.c. ....	14.11	12.3	39.8	14.12	12.3	39.9	—	—	—
Butchers and meat cutters .....	11.94	4.1	37.2	12.03	4.4	39.8	10.44	16.3	17.9
Bakers .....	11.00	6.8	34.5	11.49	7.3	39.6	9.65	2.7	25.4
Food batchmakers .....	12.50	5.4	38.8	12.60	5.8	40.2	—	—	—
Inspectors, testers, and graders .....	18.00	3.2	39.7	18.13	3.1	40.2	—	—	—
Precision inspectors, testers, and related workers, n.e.c. ....	20.74	10.7	39.8	21.19	9.8	40.0	—	—	—
Adjusters and calibrators .....	17.54	11.4	38.3	17.54	11.4	38.3	—	—	—
Water and sewer treatment plant operators .....	18.45	2.8	39.9	18.46	2.8	40.0	—	—	—
Power plant operators .....	26.41	3.5	40.0	26.41	3.5	40.0	—	—	—

See footnotes at end of table.

TABLE 3. Mean hourly earnings<sup>1</sup> and weekly hours for selected occupations, full-time and part-time workers,<sup>2</sup> United States, National Compensation Survey,<sup>3</sup> July 2003—Continued

Occupation <sup>4</sup>	Total			Full time			Part time		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error <sup>5</sup> (percent)		Mean	Relative error <sup>5</sup> (percent)		Mean	Relative error <sup>5</sup> (percent)	
<b>Blue collar—Continued</b>									
<b>Precision production, craft, and repair—Continued</b>									
Stationary engineers .....	\$22.56	4.9	39.6	\$22.56	4.9	39.6	—	—	—
Miscellaneous plant and system operators, n.e.c. ....	21.94	4.2	40.1	22.00	4.3	40.4	—	—	—
<b>Machine operators, assemblers, and inspectors</b> .....	13.30	1.3	39.1	13.42	1.4	39.8	\$8.80	2.3	23.3
Lathe and turning-machine set-up operators .....	16.33	5.2	39.9	16.33	5.2	39.9	—	—	—
Lathe and turning-machine operators .....	15.80	5.8	39.6	15.89	5.7	40.0	—	—	—
Milling and planing machine operators .....	13.41	5.9	40.0	13.41	5.9	40.0	—	—	—
Punching and stamping press operators .....	12.80	8.5	37.8	13.10	7.4	40.0	—	—	—
Rolling machine operators .....	14.67	10.1	40.0	14.67	10.1	40.0	—	—	—
Drilling and boring machine operators .....	12.42	9.8	40.0	12.42	9.8	40.0	—	—	—
Grinding, abrading, buffing, and polishing machine operators .....	13.51	3.6	39.4	13.57	3.5	39.9	—	—	—
Forging machine operators .....	13.60	7.5	39.8	13.60	7.5	39.8	—	—	—
Numerical control machine operators .....	15.11	3.9	40.0	15.11	3.9	40.0	—	—	—
Fabricating machine operators, n.e.c. ....	14.88	4.0	39.3	15.12	3.5	39.9	—	—	—
Molding and casting machine operators .....	12.57	3.0	39.5	12.59	3.0	39.8	—	—	—
Metal plating machine operators .....	13.14	5.5	39.4	13.29	5.4	39.9	—	—	—
Heat treating equipment operators .....	15.65	6.4	40.0	15.65	6.4	40.0	—	—	—
Wood lathe, routing, and planing machine operators .....	12.53	2.3	40.0	12.53	2.3	40.0	—	—	—
Sawing machine operators .....	11.31	4.2	39.8	11.31	4.2	39.9	—	—	—
Shaping and joining machine operators .....	12.60	3.5	40.0	12.60	3.5	40.0	—	—	—
Nailing and tacking machine operators .....	11.31	6.4	38.1	11.31	6.4	38.1	—	—	—
Printing press operators .....	15.99	2.3	39.1	16.00	2.3	39.5	14.25	12.7	18.3
Photoengravers and lithographers .....	16.68	4.2	36.3	17.01	4.5	39.5	—	—	—
Typesetters and compositors .....	14.15	7.5	34.5	14.73	7.8	38.7	10.50	8.0	20.5
Winding and twisting machine operators .....	13.00	7.7	39.6	13.01	7.7	39.8	—	—	—
Knitting, looping, taping, and weaving machine operators .....	11.28	4.9	39.8	11.28	4.9	39.8	—	—	—
Textile cutting machine operators .....	10.86	4.0	38.7	10.86	4.0	38.7	—	—	—
Textile sewing machine operators .....	8.64	6.1	38.9	8.62	6.1	39.4	—	—	—
Pressing machine operators .....	8.58	4.0	38.6	8.65	4.3	39.7	—	—	—
Laundering and dry cleaning machine operators .....	9.03	4.4	37.2	9.15	4.7	39.5	7.48	5.9	21.9
Cementing and gluing machine operators .....	11.31	8.2	40.0	11.31	8.2	40.0	—	—	—
Packaging and filling machine operators .....	12.52	4.2	39.1	12.70	3.9	39.9	8.26	5.1	26.3
Extruding and forming machine operators .....	13.45	4.9	39.4	13.45	4.9	39.4	—	—	—
Mixing and blending machine operators .....	15.16	5.2	39.7	15.19	5.2	39.8	—	—	—
Separating, filtering, and clarifying machine operators .....	18.91	5.4	39.9	18.91	5.4	39.9	—	—	—
Compressing and compacting machine operators .....	11.70	3.9	39.9	11.70	3.9	39.9	—	—	—
Painting and paint spraying machine operators .....	14.12	3.5	39.9	14.11	3.5	40.1	—	—	—
Roasting and baking machine operators, food ..	12.44	10.1	38.3	12.39	10.5	40.0	—	—	—
Washing, cleaning, and pickling machine operators .....	13.86	12.0	40.0	13.86	12.0	40.0	—	—	—
Folding machine operators .....	13.51	6.6	40.0	13.51	6.6	40.0	—	—	—
Furnace, kiln, and oven operators, except food ..	14.70	6.3	39.9	14.76	6.4	39.9	—	—	—
Crushing and grinding machine operators .....	14.09	6.2	40.0	14.09	6.2	40.0	—	—	—
Slicing and cutting machine operators .....	13.27	4.2	40.0	13.44	4.1	39.9	—	—	—
Motion picture projectionists .....	12.41	31.2	28.5	—	—	—	19.21	28.5	18.7
Photographic process machine operators .....	10.41	4.2	29.5	11.72	4.6	39.9	7.73	3.0	19.2
Miscellaneous machine operators, n.e.c. ....	13.87	2.4	39.2	13.94	2.4	39.7	10.27	5.7	24.8
Welders and cutters .....	15.99	2.2	39.9	15.99	2.2	39.9	—	—	—
Solderers and brazers .....	11.22	8.4	40.0	11.22	8.4	40.0	—	—	—
Assemblers .....	13.80	4.0	39.0	13.99	4.0	40.0	8.67	5.2	23.3
Hand cutting and trimming .....	9.68	11.4	39.5	9.71	11.5	40.0	—	—	—
Hand molding, casting, and forming .....	10.44	12.7	37.7	11.34	12.1	40.0	—	—	—
Hand painting, coating, and decorating .....	9.34	12.4	37.8	9.52	14.2	39.8	—	—	—
Hand engraving and printing .....	13.86	20.0	39.0	13.86	20.0	39.0	—	—	—
Miscellaneous hand working, n.e.c. ....	11.31	5.4	39.0	11.41	5.4	39.8	—	—	—

See footnotes at end of table.

TABLE 3. Mean hourly earnings<sup>1</sup> and weekly hours for selected occupations, full-time and part-time workers,<sup>2</sup> United States, National Compensation Survey,<sup>3</sup> July 2003—Continued

Occupation <sup>4</sup>	Total			Full time			Part time		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error <sup>5</sup> (percent)		Mean	Relative error <sup>5</sup> (percent)		Mean	Relative error <sup>5</sup> (percent)	
<b>Blue collar—Continued</b>									
<b>Machine operators, assemblers, and inspectors—Continued</b>									
Production inspectors, checkers and examiners	\$13.78	4.3	39.5	\$13.84	4.4	39.8	\$9.65	7.3	24.5
Production testers .....	12.58	5.8	39.9	12.58	5.8	39.9	—	—	—
Production samplers and weighers .....	12.07	10.9	40.0	12.07	10.9	40.0	—	—	—
Graders and sorters, except agricultural .....	10.17	6.6	38.6	10.23	6.8	39.4	—	—	—
Hand inspectors, n.e.c. ....	10.74	7.6	38.2	10.83	8.0	39.9	—	—	—
<b>Transportation and material moving .....</b>									
Supervisors, motor vehicle operators .....	14.78	1.5	37.5	15.18	1.6	40.9	10.81	5.2	20.6
Truckdrivers .....	18.02	4.7	42.2	18.06	4.8	42.3	—	—	—
Driver-sales workers .....	14.83	2.1	39.8	14.94	2.2	41.8	12.64	10.2	20.2
Busdrivers .....	12.72	6.5	34.0	14.54	5.5	40.6	7.90	8.6	23.7
Taxicab drivers and chauffeurs .....	14.35	1.8	27.8	15.38	2.4	37.3	12.95	2.5	20.7
Parking lot attendants .....	9.61	3.7	26.2	10.02	4.3	38.9	8.69	6.6	15.1
Motor transportation, n.e.c. ....	8.10	11.7	28.8	8.95	11.3	40.0	6.38	8.9	18.5
Railroad conductors and yardmasters .....	10.06	6.1	28.4	11.63	5.8	39.4	7.02	5.8	18.4
Locomotive operating .....	24.90	14.3	40.0	24.90	14.3	40.0	—	—	—
Railroad brake, signal, and switch operators .....	27.08	12.7	39.9	27.09	12.7	40.0	—	—	—
Rail vehicle operators, n.e.c. ....	25.24	5.1	40.0	25.24	5.1	40.0	—	—	—
Ship captains and mates, except fishing boats ..	21.47	4.3	40.0	21.47	4.3	40.0	—	—	—
Sailors and deckhands .....	16.42	6.5	47.2	16.57	7.0	47.6	—	—	—
Marine engineers .....	11.45	9.6	45.3	11.10	8.1	49.9	—	—	—
Bridge, lock and lighthouse tenders .....	19.37	15.6	41.4	19.37	15.6	41.4	—	—	—
Supervisors, material moving equipment .....	13.34	12.6	39.9	13.34	12.6	39.9	—	—	—
Operating engineers .....	20.81	3.6	41.2	20.81	3.6	41.2	—	—	—
Crane and tower operators .....	19.73	7.1	39.7	19.73	7.1	39.7	—	—	—
Excavating and loading machine operators .....	17.42	5.9	40.0	17.42	5.9	40.0	—	—	—
Grader, dozer, and scraper operators .....	16.28	4.9	39.9	16.29	5.0	39.9	—	—	—
Industrial truck and tractor equipment operators	15.96	5.2	39.9	15.96	5.2	39.9	—	—	—
Miscellaneous material moving equipment operators, n.e.c. ....	13.66	2.3	39.4	13.75	2.3	39.9	10.15	7.1	27.1
15.85	4.1	37.8	16.08	4.1	39.9	12.33	6.5	21.1	
<b>Handlers, equipment cleaners, helpers, and laborers</b>									
Nursery workers .....	11.27	1.4	35.0	11.69	1.5	39.7	9.01	4.6	21.4
Supervisors, agriculture-related workers .....	9.78	7.7	34.3	10.51	6.7	39.9	7.48	2.5	23.9
Groundskeepers and gardeners, except farm ...	20.69	11.2	40.6	20.70	11.3	40.7	—	—	—
Animal caretakers, except farm .....	11.26	3.2	37.3	11.72	3.1	39.7	8.21	4.8	26.7
Inspectors, agricultural products .....	10.65	7.9	33.5	11.11	8.3	39.2	7.86	10.3	17.7
Supervisors, handlers, equipment cleaners, and laborers, n.e.c. ....	9.70	13.4	39.2	9.98	13.8	40.0	—	—	—
Helpers, mechanics and repairers .....	19.59	4.7	38.9	19.68	4.8	39.5	—	—	—
Helpers, construction trades .....	11.95	4.9	33.3	11.81	3.9	39.6	12.74	19.1	17.5
Helpers, extractive .....	11.59	3.4	39.2	11.64	3.5	39.9	10.17	3.9	25.8
Construction laborers .....	9.77	14.8	40.0	9.77	14.8	40.0	—	—	—
Production helpers .....	13.75	3.0	38.5	13.59	3.2	39.6	18.57	11.5	20.6
Garbage collectors .....	10.37	6.0	38.4	10.48	6.1	39.8	8.00	5.2	21.9
Stock handlers and baggers .....	14.44	9.4	40.6	14.47	9.4	40.8	—	—	—
Machine feeders and offbearers .....	9.73	2.1	29.2	11.16	2.4	39.6	7.60	1.8	21.0
Freight, stock, and material handlers, n.e.c. ....	10.63	3.3	39.0	10.68	3.4	39.7	9.13	10.4	24.5
Garage and service station related .....	12.12	2.5	32.6	12.24	2.7	39.7	11.73	5.7	20.4
Vehicle washers and equipment cleaners .....	8.99	3.6	36.5	9.09	3.7	39.8	8.22	8.5	22.3
Hand packers and packagers .....	9.60	3.8	34.6	10.07	3.9	39.9	6.63	3.1	18.7
Laborers, except construction, n.e.c. ....	9.47	3.3	37.2	9.60	3.7	39.6	8.05	3.1	22.7
10.85	2.6	36.6	11.20	2.8	39.6	8.45	3.3	24.1	
<b>Service</b>									
Protective service .....	10.40	1.5	31.5	11.47	2.2	38.8	7.30	.9	20.3
Supervisors, firefighters and fire prevention .....	17.17	2.9	37.1	17.69	2.9	40.6	10.48	5.9	17.6
Supervisors, police and detectives .....	25.92	5.1	48.9	25.92	5.1	48.9	—	—	—
Supervisors, guards .....	29.67	3.3	40.2	29.67	3.3	40.2	—	—	—
19.30	6.9	39.4	19.34	6.9	39.5	—	—	—	

See footnotes at end of table.

TABLE 3. Mean hourly earnings<sup>1</sup> and weekly hours for selected occupations, full-time and part-time workers,<sup>2</sup> United States, National Compensation Survey,<sup>3</sup> July 2003—Continued

Occupation <sup>4</sup>	Total			Full time			Part time		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error <sup>5</sup> (percent)		Mean	Relative error <sup>5</sup> (percent)		Mean	Relative error <sup>5</sup> (percent)	
<b>Service—Continued</b>									
Protective service—Continued									
Fire inspection and fire prevention .....	\$18.36	12.8	41.7	\$18.36	12.8	41.7	—	—	—
Firefighting .....	18.43	2.9	44.4	18.66	2.4	48.0	\$8.34	8.9	10.1
Police and detectives, public service .....	23.57	1.1	39.3	23.63	1.2	40.0	15.94	15.3	12.2
Sheriffs, bailiffs, and other law enforcement officers .....	18.64	2.1	38.4	18.74	2.1	39.8	15.69	12.0	19.0
Correctional institution officers .....	16.70	5.3	39.6	16.74	5.3	39.8	—	—	—
Crossing guards .....	9.92	5.3	17.5	—	—	—	9.58	4.1	17.2
Guards and police, except public service .....	10.28	3.6	33.5	10.21	3.6	39.3	10.68	8.2	18.5
Protective service, n.e.c. ....	12.31	7.0	27.0	14.07	9.2	38.9	8.86	8.4	16.9
Food service .....	7.46	.8	28.4	8.32	1.4	38.2	6.28	.9	21.0
Waiters, waitresses, and bartenders .....	4.98	2.6	26.1	5.26	3.3	37.1	4.70	2.8	20.0
Bartenders .....	6.98	3.9	26.7	7.28	5.1	37.5	6.60	5.2	19.4
Waiters and waitresses .....	4.33	3.1	25.9	4.47	4.2	36.8	4.20	3.0	20.3
Waiters/Waitresses' assistants .....	5.95	3.0	26.5	6.31	4.8	37.9	5.49	2.5	19.1
Other food service .....	8.50	.8	29.5	9.40	1.3	38.5	7.12	.7	21.6
Supervisors, food preparation and service .....	12.61	2.3	39.0	13.01	2.4	41.2	8.96	5.5	26.1
Cooks .....	9.26	1.4	33.6	9.72	1.3	38.6	7.55	2.5	22.7
Kitchen workers, food preparation .....	7.97	2.0	28.9	8.64	2.3	38.8	7.23	2.9	22.7
Food preparation, n.e.c. ....	7.59	1.0	26.4	8.21	1.3	37.8	7.05	1.1	20.9
Health service .....	10.68	1.5	33.6	10.92	1.5	38.7	9.52	2.8	20.7
Dental assistants .....	14.73	5.7	34.8	14.74	5.9	36.5	14.49	7.5	21.4
Health aides, except nursing .....	11.37	3.4	33.7	11.74	3.0	39.2	9.54	7.1	19.6
Nursing aides, orderlies, and attendants .....	10.00	1.0	33.5	10.16	1.0	38.8	9.31	2.4	21.0
Cleaning and building service .....	10.52	2.0	34.6	10.94	1.9	39.3	7.95	3.0	20.0
Supervisors, cleaning and building service workers .....	16.20	4.5	39.6	16.24	4.5	39.8	10.49	7.5	24.5
Maids and housemen .....	8.23	2.9	34.5	8.25	3.3	38.6	8.10	3.8	20.8
Janitors and cleaners .....	10.59	2.1	34.0	11.12	1.8	39.5	7.86	3.4	19.7
Pest control .....	13.72	7.9	39.4	13.63	7.9	39.9	—	—	—
Personal service .....	10.13	4.9	29.3	10.66	7.3	37.4	8.65	2.4	18.3
Supervisors, personal service .....	15.14	7.0	39.5	15.30	6.9	40.5	10.12	10.6	22.4
Hairdressers and cosmetologists .....	12.81	6.8	25.6	13.68	7.3	37.5	11.24	11.1	16.2
Attendants, amusement and recreation facilities .....	6.94	3.7	32.5	6.96	3.8	39.8	6.88	4.7	18.7
Guides .....	12.43	12.1	26.8	13.93	10.7	39.8	9.00	6.7	15.3
Ushers .....	7.80	6.3	17.7	—	—	—	7.55	5.9	17.3
Public transportation attendants .....	29.53	6.8	19.6	31.48	3.3	19.7	14.95	33.1	18.7
Baggage porters and bellhops .....	7.45	4.0	36.4	7.35	4.4	38.7	8.51	9.5	21.9
Welfare service aides .....	9.41	5.3	28.8	10.86	4.0	38.6	7.43	6.4	21.4
Early childhood teachers' assistants .....	8.64	2.8	32.0	8.76	3.3	38.2	8.22	3.3	20.5
Childcare workers, n.e.c. ....	9.29	3.8	28.8	9.57	5.1	39.0	8.58	3.0	17.1
Service, n.e.c. ....	10.69	4.0	26.9	11.09	4.9	39.2	9.82	8.4	16.2

<sup>1</sup> Earnings are the straight-time hourly wages or salaries paid to employees. They include incentive pay, cost-of-living adjustments, and hazard pay. Excluded are premium pay for overtime, vacations, and holidays; nonproduction bonuses; and tips. The mean is computed by totaling the pay of all workers and dividing by the number of workers, weighted by hours.

<sup>2</sup> Total includes full-time and part-time workers. Employees are classified as working either a full-time or a part-time schedule based on the definition used by each establishment. Therefore, a worker with a 35-hour-per-week schedule might be considered a full-time employee in one establishment, but classified as part-time in another firm, where a 40-hour week is the minimum full-time schedule.

<sup>3</sup> This survey covers all 50 States. Data were collected between December 2002 and January 2004. The average reference period was July 2003.

<sup>4</sup> A classification system including about 480 individual occupations is used to cover all workers in the civilian economy. For more information, see appendix B in "National Compensation Survey: Occupational Wages in the United States" on the BLS Internet site [www.bls.gov/ocs/compub.htm](http://www.bls.gov/ocs/compub.htm).

<sup>5</sup> The relative standard error (RSE) is the standard error expressed as a percent of the estimate. It can be used to calculate a "confidence interval" around a sample estimate. For more information about RSEs, see Technical Note.

NOTE: Dashes indicate that no data were reported or that data did not meet publication criteria, and n.e.c. means "not elsewhere classified." Overall occupational groups may include data for categories not shown separately.

## Technical Note

The data in this report are based on the National Compensation Survey (NCS) conducted by the Bureau of Labor Statistics (BLS). The NCS is locality based and covers establishments in private industry and State and local governments. Agriculture, private households, and the Federal Government are excluded from the scope of the survey.

**Survey scope.** The 2003 NCS included establishments representing nearly 86 million workers within the scope of the survey. (See table on page 16.) Private sector establishments with one or more workers are covered in the survey. State and local governments with 50 workers or more are covered. For purposes of this survey, an establishment is an economic unit that produces goods or services, a central administrative office, or an auxiliary unit providing support services to a company. For private industries in this survey, the establishment is usually at a single physical location. For State and local governments, an establishment is defined as all locations of a government entity.

**Sampling frame.** The list of establishments from which the survey sample was selected (sampling frame) was developed from the State unemployment insurance reports. The reference month for the public sector is June 1994. Due to the volatility of industries within the private sector, sampling frames were developed using the most recent month of reference available at the time the sample was selected. The reference month for the private sector varied by area.

**Sample design.** The sample for this survey was selected using a three-stage design. The first stage involved the selection of areas. The NCS sample consists of 154 metropolitan areas and nonmetropolitan areas that represent the Nation's 326 metropolitan statistical areas (as defined by the U.S. Office of Management and Budget) and the remaining portions of the 50 States. Metropolitan areas are defined as Metropolitan Statistical Areas (MSAs) or Consolidated Metropolitan Statistical Areas (CMSAs), as defined by the U.S. Office of Management and Budget in 1994. Nonmetropolitan areas are counties that do not fit the metropolitan area definition.

In the second stage, the sample of establishments was drawn by first stratifying the sampling frame by ownership and industry. The number of sample establishments allocated to each stratum was approximately proportional to the stratum employment. Each sampled establishment was selected within a stratum with a probability proportional to its employment. Use of this technique means that the larger an establishment's employment, the greater its chance of selection. Weights were applied to each establishment when the data were tabulated so that each establishment represents similar units (in terms of industry and employment size) in the economy that were not selected for collection.

The third stage of sample selection was a probability sample of occupations within a sampled establishment.

**Data collection.** Collection was the responsibility of field economists, working out of the BLS regional offices, who contacted each establishment surveyed. Collection was conducted between December 2002 and January 2004. The average payroll reference month was July 2003. For each establishment in the survey, the data reflect the establishment's practices on the day of collection.

Identification of the occupations for which wage data were to be collected was a four-step process:

1. Probability-proportional-to-size selection of establishment jobs.
2. Classification of jobs into occupations based on the Census of Population system.
3. Characterization of jobs as full versus part time, union versus nonunion, and time versus incentive.
4. Determination of the level of work of each job.

For each occupation, wage data were collected for those workers who met all the criteria identified in the last three steps. Special procedures were developed for jobs for which a correct classification or level could not be determined.

In step one, the jobs to be sampled were selected at each establishment by the BLS field economist during a personal visit. A complete list of employees was used for sampling, with each selected worker representing a job within the establishment. As with the selection of establishments, the selection of a job was based on probability proportional to its size in the establishment. The greater the number of people working in a job in the establishment, the greater the job's chance of selection.

The second step of the process entailed classifying the selected jobs into occupations based on their duties. The NCS occupational classification system is based on that used for the 1990 Census of Population. A selected job may fall into any of about 480 occupational classifications, from accountant to wood lathe operator. For cases in which a job's duties overlapped two or more census classification codes, the duties used to set the wage level were used to classify the job. Classification by primary duties was the fallback.

Each occupational classification is an element of a broader classification known as a major occupational group (MOG). For a complete list of all occupations, classified by the MOG to which they belong, see appendix B of any published NCS locality bulletin or in the bulletin "National Compensation Survey: Occupational Wages in the United States" that can be accessed online on the BLS Internet site [www.bls.gov/ncs/ocs/compub.htm](http://www.bls.gov/ncs/ocs/compub.htm).

In step three, certain other job characteristics of the chosen workers were identified. First, the worker was identified as holding either a full- or part-time job, based on the establishment's definition of those terms. Therefore, a worker with a 35-hour-per-week schedule might be considered a full-time employee in one establishment, but classified as part-time in another firm, where a 40-hour week is the minimum full-time schedule. Then, the worker was classified as having a time or incentive job, depending on whether any part of pay was directly based on the actual production of the worker, rather than solely on hours worked. The worker was also identified as being in a union job or a nonunion job.

The fourth step in the job classification procedure was to determine the work level of each of the establishment's selected jobs, using an occupational leveling process. Information on average hourly earnings by occupational work level will be published later this year in the national bulletin.

**Data reliability.** The data in this summary are estimates from a scientifically selected probability sample. There are two types of errors possible in an estimate based on a sample survey—sampling and nonsampling.

Sampling errors occur because observations come only from a sample and not from an entire population. The sample used for this survey is one of a number of possible samples of the same size that could have been selected using the sample design. Estimates derived from the different samples would differ from one another.

A measure of the variation among these differing estimates is called the standard error or sampling error. It indicates the precision with which an estimate from a particular sample approximates the average result of all possible samples. The relative standard error (RSE) is the standard error divided by the estimate. Tables 1, 2, and 3 contain RSE data for indicated series in this report.

The standard error can be used to calculate a "confidence interval" around a sample estimate. As an example, table 1 shows mean hourly earnings for all workers of \$17.75 per hour and a relative standard error of 0.9 percent for this estimate. At the 90-percent level, the confidence interval for this estimate is \$17.49 to \$18.01 ( $\$17.75 \times 1.645 \times 0.009 = \$0.2628$ , rounded to \$0.26); ( $\$17.75 - 0.26 = \$17.49$ ;  $\$17.75 + 0.26 = \$18.01$ ). If all possible samples were selected to estimate the population value, the interval from each sample

would include the true population value approximately 90 percent of the time.

Nonsampling errors also affect survey results. They can stem from many sources, such as inability to obtain information for some establishments, difficulties with survey definitions, inability of the respondents to provide correct information, or mistakes in recording or coding the data obtained. Although such errors were not specifically measured, efforts were made to minimize them through extensive training of field economists who gathered survey data, computer editing of the data, and detailed data review.

**Census divisions.** Data are tabulated by census divisions defined as follows: **New England:** Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont; **Middle Atlantic:**<sup>1</sup> New Jersey, New York, and Pennsylvania; **East North Central:**<sup>2</sup> Illinois, Indiana, Michigan, Ohio, and Wisconsin; **West North Central:**<sup>3</sup> Iowa, Kansas, Minnesota, Missouri, Nebraska, North Dakota, and South Dakota; **South Atlantic:** Delaware, District of Columbia, Florida, Georgia, Maryland, North Carolina, South Carolina, Virginia, and West Virginia; **East South Central:**<sup>4</sup> Alabama, Kentucky, Mississippi, and Tennessee; **West South Central:** Arkansas, Louisiana, Oklahoma, and Texas; **Mountain:** Arizona, Colorado, Idaho, Montana, Nevada, New Mexico, Utah, and Wyoming; and **Pacific:** Alaska, California, Hawaii, Oregon, and Washington.

**Additional information** about the NCS, including reports for about 80 metropolitan areas are available from BLS. These reports, as well as a list of occupational classifications and the factors used in determining work levels, may be obtained by calling (202) 691-6199. You may also write to the Bureau of Labor Statistics at: Division of Compensation Data Analysis and Planning, 2 Massachusetts Ave., NE., Room 4175, Washington, DC 20212-0001, or send e-mail to [OCLTINFO@bls.gov](mailto:OCLTINFO@bls.gov).

The summary is available on the BLS Internet site: [www.bls.gov/ncs/home.htm](http://www.bls.gov/ncs/home.htm) in a Portable Document Format (PDF).

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<sup>1</sup> The Middle Atlantic census division also includes the New York-Northern New Jersey-Long Island CMSA (which consists of parts of New York, New Jersey, Connecticut, and Pennsylvania) and the Philadelphia-Wilmington-Atlantic City CMSA (which consists of parts of Pennsylvania, New Jersey, Delaware, and Maryland).

<sup>2</sup> The East North Central census division also includes the Cincinnati-Hamilton CMSA (which consists of parts of Ohio, Kentucky, and Indiana).

<sup>3</sup> The West North Central census division also includes the St. Louis MSA (which consists of parts of Missouri and Illinois) and the Minneapolis-St. Paul MSA (which consists of parts of Minnesota and Wisconsin).

<sup>4</sup> The East South Central census division also includes the Louisville MSA (which consists of parts of Kentucky and Indiana) and the Memphis MSA (which consists of parts of Tennessee, Arkansas, and Mississippi).

**Number of workers<sup>1</sup> represented by the survey, by occupational group,<sup>2</sup> United States, National Compensation Survey,<sup>3</sup> July 2003**

Occupational group	All industries	Private industry	State and local government
<b>All</b> .....	85,904,000	72,520,000	13,384,000
All, excluding sales .....	77,304,100	63,967,300	13,336,900
<b>White collar</b> .....	44,651,700	35,613,000	9,038,800
White collar, excluding sales .....	36,051,800	27,060,200	8,991,600
Professional specialty and technical .....	15,174,100	9,812,500	5,361,600
Professional specialty occupations .....	11,958,000	7,014,300	4,943,700
Technical occupations .....	3,216,100	2,798,200	417,900
Executive, administrative, and managerial .....	6,597,000	5,483,700	1,113,300
Sales .....	8,599,900	8,552,800	47,100
Administrative support, including clerical .....	14,280,700	11,764,000	2,516,700
<b>Blue collar</b> .....	23,703,700	22,355,900	1,347,800
Precision production, craft, and repair .....	7,775,300	7,246,700	528,600
Machine operators, assemblers, and inspectors .....	5,870,100	5,844,700	25,400
Transportation and material moving .....	4,203,900	3,714,700	489,200
Handlers, equipment cleaners, helpers, and laborers .....	5,854,400	5,549,800	304,600
<b>Service</b> .....	17,548,600	14,551,200	2,997,400

<sup>1</sup> Number of workers represented by the survey are rounded to the nearest 100. Estimates of the number of workers provide a description of size and composition of the labor force included in the survey. Estimates are not intended, however, for comparison with other statistical series to measure employment trends or levels. Both full-time and part-time workers were included in the survey.

<sup>2</sup> A classification system including about 480 individual

occupations is used to cover all workers in the civilian economy. For more information, see appendix B in "National Compensation Survey: Occupational Wages in the United States" on the BLS Internet site [www.bls.gov/ocs/compub.htm](http://www.bls.gov/ocs/compub.htm).

<sup>3</sup> This survey covers all 50 States. Data were collected between December 2002 and January 2004. The average reference period was July 2003.