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Preface

Data shown in this bulletin were collected as part of the Bureau of Labor Statistics (BLS) National Compensation Survey (NCS). The survey could not have been conducted without the cooperation of the many private firms and government jurisdictions that provided pay data included in this bulletin. The Bureau thanks these respondents for their cooperation.

Field economists of the Bureau of Labor Statistics collected and reviewed the survey data. The Office of Compensation and Working Conditions, in cooperation with the Office of Field Operations and the Office of Technology and Survey Processing in the BLS National Office, designed the survey, processed the data, and prepared the survey for publication.

For additional information regarding this survey, please contact any BLS regional office at the address and telephone number listed on the back cover of this bulletin. You may also write to the Bureau of Labor Statistics at: Division of Compensation Data Analysis and Planning,

2 Massachusetts Avenue, NE, Room 4175, Washington, DC 20212-0001, or call (202) 691-6199, or send e-mail to ocltinfo@bls.gov.

The data contained in this bulletin are also available at <http://stats.bls.gov/comhome.htm>, the BLS Internet site. Data are in three formats: An ASCII file containing the published table formats; an ASCII file containing positional columns of data for manipulation as a data base or spreadsheet; and a Portable Document Format (PDF) file containing the entire bulletin.

Results of earlier surveys of this area are also available from BLS regional offices, the Division of Compensation Data Analysis and Planning, or at the BLS Internet site.

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Introduction

The tables in this bulletin summarize the NCS results for the Knoxville, TN, metropolitan area. Data were collected between March 2001 and July 2001; the average reference month is May 2001. Tabulations provide information on earnings of workers in a variety of occupations and at different work levels. Also contained in this bulletin are information on the program, a technical note describing survey procedures, and several appendixes with detailed information on occupational classifications and the occupational leveling methodology.

NCS products

The Bureau's National Compensation Survey provides data on occupational wages and employee benefits for localities, broad geographic regions, and the Nation as a whole. The Employment Cost Index, a quarterly measure of the change in employer costs for wages and benefits, is derived from the NCS. Another product, Employer Costs for Employee Compensation, measures employers' average hourly costs for total compensation, that is, wages and benefits. Still another NCS product measures the incidence of benefit plans and their provisions. This bulletin is limited to data on occupational wages and salaries.

About the tables

The tables that follow present data on straight-time occupational earnings, which include wages and salaries, incentive pay, cost-of-living adjustments, and hazard pay. These earnings exclude premium pay for overtime, vacations, holidays, nonproduction bonuses, and tips. About 480 detailed occupations are used to describe all occupations in the civilian nonfarm economy (excluding the Federal Government and private households). Data are not shown for any occupations if they would raise concerns about the confidentiality of the survey respondents or if the data are insufficient to support reliable estimates.

Table 1-1 presents an overview of all tables in this bulletin. Mean hourly earnings, weekly hours, and relative standard errors are given for all industries, private industry, and State and local government for selected worker and establishment characteristics. The worker characteristics include major occupational group, full-time or part-time status, union or nonunion status, and time or incentive pay. Establishment characteristics include goods and service producing and size of establishment.

Table 2-1 presents estimates of mean hourly earnings, and the relative standard errors associated with them, for detailed occupations within all industries, private industry, and State and local government. Table 2-2 presents the same type of information for full-time workers only. Table 2-3 provides similar data for workers designated as part-time.

Table 3-1 provides mean weekly earnings data, with relative standard errors, and weekly hours for full-time employees in specific occupations across all industries, private industry, and State and local government. Table 3-2 provides annual earnings, relative standard errors, and annual hours for full-time employees in specific occupations.

Table 4-1 provides mean hourly earnings data by work level for occupational groups and for detailed occupations. Separate data are also shown for private industry and government workers. Table 4-2 provides work level data for full-time workers. Table 4-3 provides similar data for workers designated as part-time.

Table 5-1 presents mean hourly earnings data for selected worker characteristics by major occupational groups. The worker characteristics include full-time or part-time designation, union or nonunion status, and time or incentive pay. Table 5-2 presents mean hourly earnings data for major industry divisions by occupational groups; these estimates are limited to the private sector. Table 5-3 presents mean hourly earnings data for establishment employment sizes by major occupational groups within the private sector.

Tables 6-1 through 6-5 present hourly wage percentiles that describe the distribution of hourly earnings for each published occupation. Data are provided for the 10th, 25th, 50th, 75th, and 90th percentiles for detailed occupations within all industries, private industry, State and local government, full-time workers, and part-time workers. These iterations correspond to those presented in tables 2-1, 2-2, and 2-3. For each published occupation, these percentiles relate to the average hourly earnings of jobs surveyed in establishments. The percentiles do not relate to the hourly earnings of individual workers in these establishment jobs.

Appendix table 1 provides the number of workers represented by the survey by major occupational group. The employment estimates relate to all employers in the area, rather than just to those surveyed.

Table 1-1. Summary: Mean hourly earnings¹ and weekly hours by selected characteristics, private industry and State and local government, National Compensation Survey, Knoxville, TN, May 2001

Worker and establishment characteristics	Total			Private industry			State and local government		
	Hourly earnings		Mean weekly hours ³	Hourly earnings		Mean weekly hours ³	Hourly earnings		Mean weekly hours ³
	Mean	Relative error ² (percent)		Mean	Relative error ² (percent)		Mean	Relative error ² (percent)	
Total	\$14.21	2.7	38.4	\$13.58	3.2	38.5	\$16.65	4.6	38.3
Worker characteristics:⁴									
White-collar occupations ⁵	17.01	3.3	38.4	16.25	4.2	38.6	19.21	4.5	37.9
Professional specialty and technical	20.88	2.8	38.3	20.26	3.6	38.6	21.93	4.6	37.9
Executive, administrative, and managerial	25.32	7.3	39.9	26.12	9.9	41.1	23.95	8.9	38.0
Sales	13.89	12.3	36.8	13.92	12.4	36.7	—	—	—
Administrative support	11.51	3.3	39.1	11.44	4.1	39.5	11.72	3.9	37.8
Blue-collar occupations ⁵	12.81	3.4	40.3	12.67	3.7	40.4	14.18	6.3	39.3
Precision production, craft, and repair	16.13	4.3	39.6	16.16	4.9	39.6	15.98	8.7	39.5
Machine operators, assemblers, and inspectors	11.58	4.4	39.9	11.58	4.4	39.9	—	—	—
Transportation and material moving	12.36	8.5	44.0	12.40	9.0	44.4	11.56	7.5	37.3
Handlers, equipment cleaners, helpers, and laborers	10.53	5.1	38.2	10.43	5.7	38.0	11.28	7.3	40.0
Service occupations ⁵	8.33	3.9	35.2	7.36	4.1	33.9	10.83	5.5	39.2
Full time	14.54	2.6	40.1	13.94	3.1	40.5	16.76	4.7	38.9
Part time	7.74	6.6	21.2	7.71	7.0	21.3	8.36	6.1	18.4
Union	13.58	5.3	40.3	13.43	5.4	40.3	19.72	4.1	40.0
Nonunion	14.30	2.9	38.2	13.61	3.6	38.1	16.60	4.7	38.3
Time	14.20	2.6	38.2	13.50	3.0	38.2	16.65	4.6	38.3
Incentive	14.41	15.6	42.2	14.41	15.6	42.2	—	—	—
Establishment characteristics:									
Goods producing	(⁶)	(⁶)	(⁶)	—	—	—	(⁶)	(⁶)	(⁶)
Service producing	(⁶)	(⁶)	(⁶)	—	—	—	(⁶)	(⁶)	(⁶)
50-99 workers ⁷	12.01	7.7	38.2	11.88	8.0	38.2	16.79	3.0	40.0
100-499 workers	13.43	3.9	38.5	13.07	4.2	38.6	17.44	6.7	37.3
500 workers or more	16.85	3.4	38.6	17.21	3.8	38.6	16.48	5.6	38.5

¹ 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.

² 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 appendix A.

³ Mean weekly hours are the hours an employee is scheduled to work in a week, exclusive of overtime.

⁴ 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.

⁵ A classification system including about 480 individual occupations is used to cover all workers in the civilian economy. See appendix B for more information.

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

⁷ Establishments classified with 50-99 workers may contain establishments with fewer than 50 due to staff reductions between survey sampling and collection.

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

Table 2-1. Mean hourly earnings,¹ all workers:² Selected occupations, private industry and State and local government, National Compensation Survey, Knoxville, TN, May 2001

Occupation ³	Total		Private industry		State and local government	
	Mean	Relative error ⁴ (percent)	Mean	Relative error ⁴ (percent)	Mean	Relative error ⁴ (percent)
All	\$14.21	2.7	\$13.58	3.2	\$16.65	4.6
All excluding sales	14.25	2.6	13.53	3.1	16.67	4.6
White collar	17.01	3.3	16.25	4.2	19.21	4.5
White collar excluding sales	17.72	3.2	17.02	4.1	19.25	4.5
Professional specialty and technical	20.88	2.8	20.26	3.6	21.93	4.6
Professional specialty	22.83	2.7	22.58	3.7	23.10	4.1
Engineers, architects, and surveyors	26.46	4.5	27.32	3.9	—	—
Industrial engineers	25.21	8.9	25.21	8.9	—	—
Engineers, n.e.c.	27.18	2.8	27.18	2.8	—	—
Mathematical and computer scientists	—	—	—	—	—	—
Natural scientists	—	—	—	—	—	—
Health related	18.83	3.5	18.45	2.3	—	—
Registered nurses	18.55	2.3	18.53	2.3	—	—
Teachers, college and university	—	—	—	—	—	—
Teachers, except college and university	24.65	4.2	—	—	24.70	4.2
Elementary school teachers	25.13	6.1	—	—	25.16	6.1
Librarians, archivists, and curators	—	—	—	—	—	—
Social, recreation, and religious workers	—	—	—	—	—	—
Writers, authors, entertainers, athletes, and professionals, n.e.c.	—	—	—	—	—	—
Technical	16.40	5.6	17.01	5.7	—	—
Licensed practical nurses	12.17	3.1	12.17	3.1	—	—
Engineering technicians, n.e.c.	18.73	11.0	—	—	—	—
Drafters	21.52	8.2	21.52	8.2	—	—
Executive, administrative, and managerial	25.32	7.3	26.12	9.9	23.95	8.9
Executives, administrators, and managers	28.86	8.7	28.70	10.8	29.28	14.1
Administrators and officials, public administration	36.85	3.6	—	—	36.85	3.6
Personnel and labor relations managers	21.54	16.7	21.54	16.7	—	—
Managers and administrators, n.e.c.	31.48	13.6	31.23	14.0	—	—
Management related	18.53	6.7	18.33	7.0	18.70	10.7
Sales	13.89	12.3	13.92	12.4	—	—
Supervisors, sales	23.99	35.7	23.99	35.7	—	—
Sales representatives, mining, manufacturing, and wholesale	18.73	9.5	18.73	9.5	—	—
Sales workers, other commodities	8.99	6.5	8.99	6.5	—	—
Cashiers	7.12	5.7	7.07	5.8	—	—
Administrative support, including clerical	11.51	3.3	11.44	4.1	11.72	3.9
Secretaries	11.98	3.5	10.63	7.5	12.55	3.5
Bookkeepers, accounting and auditing clerks	12.64	8.7	12.80	9.6	—	—
Dispatchers	11.58	12.5	—	—	—	—
General office clerks	11.51	7.1	—	—	11.67	7.4
Bank tellers	9.25	7.0	9.25	7.0	—	—
Data entry keyers	9.49	5.0	9.49	5.0	—	—
Teachers' aides	8.72	2.2	—	—	8.72	2.2
Administrative support, n.e.c.	9.67	5.9	9.38	5.8	—	—
Blue collar	12.81	3.4	12.67	3.7	14.18	6.3
Precision production, craft, and repair	16.13	4.3	16.16	4.9	15.98	8.7
Industrial machinery repairers	17.18	5.6	17.18	5.6	—	—
Mechanics and repairers, n.e.c.	12.54	10.8	—	—	—	—
Electrical power installers and repairers	15.56	7.1	—	—	15.56	7.1
Supervisors, production	19.31	8.0	19.31	8.0	—	—
Machine operators, assemblers, and inspectors	11.58	4.4	11.58	4.4	—	—
Fabricating machine operators, n.e.c.	11.66	4.2	11.66	4.2	—	—
Miscellaneous machine operators, n.e.c.	13.08	9.7	13.08	9.7	—	—
Assemblers	11.64	6.2	11.64	6.2	—	—
Transportation and material moving	12.36	8.5	12.40	9.0	11.56	7.5
Truck drivers	10.30	13.8	10.26	14.4	—	—

See footnotes at end of table.

Table 2-1. Mean hourly earnings,¹ all workers:² Selected occupations, private industry and State and local government, National Compensation Survey, Knoxville, TN, May 2001 — Continued

Occupation ³	Total		Private industry		State and local government	
	Mean	Relative error ⁴ (percent)	Mean	Relative error ⁴ (percent)	Mean	Relative error ⁴ (percent)
Blue collar —Continued						
Transportation and material moving —Continued						
Industrial truck and tractor equipment operators ..	\$11.89	5.5	\$11.89	5.5	—	—
Handlers, equipment cleaners, helpers, and laborers	10.53	5.1	10.43	5.7	\$11.28	7.3
Supervisors, handlers, equipment cleaners, and laborers, n.e.c.	14.89	17.1	—	—	—	—
Stock handlers and baggers	9.36	6.1	9.36	6.1	—	—
Freight, stock, and material handlers, n.e.c.	11.26	8.9	11.26	8.9	—	—
Hand packers and packagers	9.73	8.6	9.73	8.6	—	—
Laborers, except construction, n.e.c.	9.77	6.1	—	—	—	—
Service	8.33	3.9	7.36	4.1	10.83	5.5
Protective service	10.85	10.1	—	—	12.62	4.2
Firefighting	11.78	6.4	—	—	11.78	6.4
Police and detectives, public service	14.98	6.0	—	—	14.98	6.0
Food service	6.63	7.6	6.58	7.8	—	—
Waiters, waitresses, and bartenders	2.46	6.2	2.46	6.2	—	—
Waiters and waitresses	2.27	4.4	2.27	4.4	—	—
Other food service	8.93	6.3	8.96	6.5	—	—
Supervisors, food preparation and service	13.92	12.4	13.92	12.4	—	—
Cooks	9.21	3.4	9.26	3.6	—	—
Food preparation, n.e.c.	6.97	3.2	6.97	3.2	—	—
Health service	8.30	2.1	8.30	2.1	—	—
Nursing aides, orderlies and attendants	8.30	2.1	8.30	2.1	—	—
Cleaning and building service	8.93	3.7	8.34	4.0	9.28	5.3
Maids and housemen	7.58	2.7	7.58	2.7	—	—
Janitors and cleaners	8.70	4.0	8.85	5.7	8.58	5.0
Personal service	7.51	7.8	7.48	7.9	—	—

¹ 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, 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.

² All workers include full-time and part-time workers.

³ A classification system including about 480 individual occupations is used to cover all workers in the civilian economy. See appendix B for more information.

⁴ 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 appendix A.

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.

Table 2-2. Mean hourly earnings,¹ full-time workers:² Selected occupations, private industry and State and local government, National Compensation Survey, Knoxville, TN, May 2001

Occupation ³	Total		Private industry		State and local government	
	Mean	Relative error ⁴ (percent)	Mean	Relative error ⁴ (percent)	Mean	Relative error ⁴ (percent)
All	\$14.54	2.6	\$13.94	3.1	\$16.76	4.7
All excluding sales	14.52	2.6	13.83	3.1	16.78	4.7
White collar	17.39	3.2	16.67	4.1	19.34	4.5
White collar excluding sales	17.91	3.2	17.22	4.2	19.38	4.5
Professional specialty and technical	20.99	2.9	20.38	3.7	21.98	4.6
Professional specialty	22.94	2.8	22.73	3.8	23.17	4.1
Engineers, architects, and surveyors	26.50	4.5	27.37	3.9	—	—
Industrial engineers	25.47	9.2	25.47	9.2	—	—
Engineers, n.e.c.	27.18	2.8	27.18	2.8	—	—
Mathematical and computer scientists	—	—	—	—	—	—
Natural scientists	—	—	—	—	—	—
Health related	18.77	3.7	18.35	2.5	—	—
Registered nurses	18.46	2.5	18.44	2.6	—	—
Teachers, college and university	—	—	—	—	—	—
Teachers, except college and university	24.68	4.2	—	—	24.74	4.2
Elementary school teachers	25.13	6.1	—	—	25.16	6.1
Librarians, archivists, and curators	—	—	—	—	—	—
Social, recreation, and religious workers	—	—	—	—	—	—
Writers, authors, entertainers, athletes, and professionals, n.e.c.	—	—	—	—	—	—
Technical	16.51	5.7	17.15	5.8	—	—
Engineering technicians, n.e.c.	18.73	11.0	—	—	—	—
Drafters	21.52	8.2	21.52	8.2	—	—
Executive, administrative, and managerial	25.33	7.4	26.10	10.0	24.00	8.9
Executives, administrators, and managers	28.90	8.7	28.70	10.8	29.42	14.2
Administrators and officials, public administration	36.85	3.6	—	—	36.85	3.6
Personnel and labor relations managers	21.54	16.7	21.54	16.7	—	—
Managers and administrators, n.e.c.	31.48	13.6	31.23	14.0	—	—
Management related	18.42	6.8	18.07	6.9	18.70	10.7
Sales	14.81	12.3	14.84	12.4	—	—
Supervisors, sales	23.99	35.7	23.99	35.7	—	—
Sales representatives, mining, manufacturing, and wholesale	18.73	9.5	18.73	9.5	—	—
Cashiers	7.23	6.1	7.16	6.2	—	—
Administrative support, including clerical	11.68	3.4	11.64	4.3	11.85	4.0
Secretaries	12.05	3.5	10.64	7.5	12.65	3.5
Bookkeepers, accounting and auditing clerks	12.64	8.7	12.80	9.6	—	—
Dispatchers	11.58	12.5	—	—	—	—
General office clerks	11.51	7.1	—	—	11.67	7.4
Bank tellers	9.25	7.0	9.25	7.0	—	—
Data entry keyers	9.55	5.1	9.55	5.1	—	—
Teachers' aides	8.75	2.1	—	—	8.75	2.1
Administrative support, n.e.c.	9.72	6.2	9.41	6.1	—	—
Blue collar	12.89	3.4	12.76	3.7	14.20	6.3
Precision production, craft, and repair	16.20	4.3	16.25	4.9	15.98	8.7
Industrial machinery repairers	17.18	5.6	17.18	5.6	—	—
Mechanics and repairers, n.e.c.	12.54	10.8	—	—	—	—
Electrical power installers and repairers	15.56	7.1	—	—	15.56	7.1
Supervisors, production	19.31	8.0	19.31	8.0	—	—
Machine operators, assemblers, and inspectors	11.60	4.4	11.60	4.4	—	—
Fabricating machine operators, n.e.c.	11.66	4.2	11.66	4.2	—	—
Miscellaneous machine operators, n.e.c.	13.07	9.8	13.07	9.8	—	—
Assemblers	11.68	6.3	11.68	6.3	—	—
Transportation and material moving	12.36	8.5	12.40	9.0	11.59	7.8
Truck drivers	10.30	13.8	10.26	14.4	—	—
Industrial truck and tractor equipment operators ..	11.89	5.5	11.89	5.5	—	—

See footnotes at end of table.

Table 2-2. Mean hourly earnings,¹ full-time workers:² Selected occupations, private industry and State and local government, National Compensation Survey, Knoxville, TN, May 2001 — Continued

Occupation ³	Total		Private industry		State and local government	
	Mean	Relative error ⁴ (percent)	Mean	Relative error ⁴ (percent)	Mean	Relative error ⁴ (percent)
Blue collar —Continued						
Handlers, equipment cleaners, helpers, and laborers	\$10.74	5.2	\$10.66	5.9	\$11.28	7.3
Supervisors, handlers, equipment cleaners, and laborers, n.e.c.	14.89	17.1	—	—	—	—
Stock handlers and baggers	9.48	6.6	9.48	6.6	—	—
Laborers, except construction, n.e.c.	9.90	6.3	—	—	—	—
Service	8.70	3.6	7.71	3.7	10.90	5.7
Protective service	10.93	9.7	—	—	12.70	4.3
Firefighting	11.78	6.4	—	—	11.78	6.4
Police and detectives, public service	14.98	6.0	—	—	14.98	6.0
Food service	7.21	7.5	7.17	7.6	—	—
Waiters, waitresses, and bartenders	2.28	5.7	2.28	5.7	—	—
Waiters and waitresses	2.28	5.7	2.28	5.7	—	—
Other food service	9.19	6.7	9.21	7.0	—	—
Supervisors, food preparation and service	14.12	13.1	14.12	13.1	—	—
Cooks	9.27	3.4	9.33	3.7	—	—
Food preparation, n.e.c.	7.04	4.3	7.04	4.3	—	—
Health service	8.30	2.1	8.30	2.1	—	—
Nursing aides, orderlies and attendants	8.30	2.1	8.30	2.1	—	—
Cleaning and building service	8.94	3.7	8.34	4.0	9.30	5.4
Maids and housemen	7.58	2.7	7.58	2.7	—	—
Janitors and cleaners	8.70	4.1	8.85	5.7	—	—
Personal service	7.87	8.3	7.84	8.4	—	—

¹ 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, 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.

² 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.

³ A classification system including about 480 individual occupations is used to cover all workers in the civilian economy. See appendix B for more information.

⁴ 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 appendix A.

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.

Table 2-3. Mean hourly earnings,¹ part-time workers:² Selected occupations, private industry and State and local government, National Compensation Survey, Knoxville, TN, May 2001

Occupation ³	Total		Private industry		State and local government	
	Mean	Relative error ⁴ (percent)	Mean	Relative error ⁴ (percent)	Mean	Relative error ⁴ (percent)
All	\$7.74	6.6	\$7.71	7.0	\$8.36	6.1
All excluding sales	7.64	8.4	7.58	9.0	8.36	6.1
White collar	9.55	7.6	9.61	8.1	8.68	8.9
White collar excluding sales	11.18	10.1	11.59	11.1	8.68	8.9
Professional specialty and technical	16.15	9.2	-	-	-	-
Professional specialty	-	-	-	-	-	-
Engineers, architects, and surveyors	-	-	-	-	-	-
Health related	-	-	-	-	-	-
Teachers, except college and university	-	-	-	-	-	-
Librarians, archivists, and curators	-	-	-	-	-	-
Social, recreation, and religious workers	-	-	-	-	-	-
Technical	-	-	-	-	-	-
Executive, administrative, and managerial	-	-	-	-	-	-
Executives, administrators, and managers	-	-	-	-	-	-
Management related	-	-	-	-	-	-
Sales	8.04	7.6	8.04	7.6	-	-
Sales workers, other commodities	9.26	9.5	9.26	9.5	-	-
Cashiers	6.91	5.2	6.91	5.2	-	-
Administrative support, including clerical	7.56	3.2	-	-	8.07	6.2
Blue collar	7.55	7.8	7.44	7.6	-	-
Precision production, craft, and repair	-	-	-	-	-	-
Machine operators, assemblers, and inspectors	-	-	-	-	-	-
Transportation and material moving	-	-	-	-	-	-
Handlers, equipment cleaners, helpers, and laborers	6.81	6.2	6.81	6.2	-	-
Service	5.51	8.4	5.42	8.9	-	-
Protective service	-	-	-	-	-	-
Food service	4.68	12.0	4.61	12.4	-	-
Waiters, waitresses, and bartenders	2.75	8.5	2.75	8.5	-	-
Waiters and waitresses	2.25	4.2	2.25	4.2	-	-
Other food service	7.44	7.7	7.46	8.2	-	-
Cleaning and building service	-	-	-	-	-	-
Personal service	-	-	-	-	-	-

¹ 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, 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.

² 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.

³ A classification system including about 480 individual occupations is used to cover all workers in the civilian economy. See appendix B for more information.

⁴ 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 appendix A.

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.

Table 3-1. Mean weekly earnings,¹ full-time workers:² Selected occupations, private industry and State and local government, National Compensation Survey, Knoxville, TN, May 2001

Occupation ³	Total			Private industry			State and local government		
	Weekly earnings		Mean weekly hours ⁵	Weekly earnings		Mean weekly hours ⁵	Weekly earnings		Mean weekly hours ⁵
	Mean	Relative error ⁴ (percent)		Mean	Relative error ⁴ (percent)		Mean	Relative error ⁴ (percent)	
All	\$584	2.7	40.1	\$564	3.2	40.5	\$652	4.6	38.9
All excluding sales	581	2.6	40.0	558	3.1	40.3	653	4.6	38.9
White collar	693	3.4	39.9	674	4.4	40.4	742	4.5	38.3
White collar excluding sales	708	3.2	39.5	690	4.3	40.1	743	4.5	38.3
Professional specialty and technical	823	2.9	39.2	815	3.7	40.0	837	4.8	38.1
Professional specialty	896	2.9	39.1	909	3.8	40.0	883	4.3	38.1
Engineers, architects, and surveyors	1,055	5.0	39.8	1,098	3.9	40.1	-	-	-
Industrial engineers	1,039	10.9	40.8	1,039	10.9	40.8	-	-	-
Engineers, n.e.c.	1,087	2.8	40.0	1,087	2.8	40.0	-	-	-
Mathematical and computer scientists	-	-	-	-	-	-	-	-	-
Natural scientists	-	-	-	-	-	-	-	-	-
Health related	747	3.7	39.8	733	2.5	39.9	-	-	-
Registered nurses	736	2.6	39.9	736	2.6	39.9	-	-	-
Teachers, college and university	-	-	-	-	-	-	-	-	-
Teachers, except college and university	948	4.2	38.4	-	-	-	950	4.3	38.4
Elementary school teachers ...	963	6.1	38.3	-	-	-	964	6.1	38.3
Librarians, archivists, and curators	-	-	-	-	-	-	-	-	-
Social, recreation, and religious workers	-	-	-	-	-	-	-	-	-
Writers, authors, entertainers, athletes, and professionals, n.e.c.	-	-	-	-	-	-	-	-	-
Technical	655	5.9	39.7	686	5.8	40.0	-	-	-
Engineering technicians, n.e.c.	742	11.5	39.6	-	-	-	-	-	-
Drafters	861	8.2	40.0	861	8.2	40.0	-	-	-
Executive, administrative, and managerial	1,017	8.2	40.2	1,079	11.0	41.4	919	9.5	38.3
Executives, administrators, and managers	1,183	9.8	40.9	1,200	12.1	41.8	1,142	15.5	38.8
Administrators and officials, public administration	1,474	3.6	40.0	-	-	-	1,474	3.6	40.0
Personnel and labor relations managers	861	16.7	40.0	861	16.7	40.0	-	-	-
Managers and administrators, n.e.c.	1,340	15.4	42.6	1,331	15.9	42.6	-	-	-
Management related	714	6.6	38.8	723	6.9	40.0	706	10.6	37.8
Sales	617	14.1	41.6	618	14.2	41.7	-	-	-
Supervisors, sales	1,042	38.1	43.4	1,042	38.1	43.4	-	-	-
Sales representatives, mining, manufacturing, and wholesale	768	9.0	41.0	768	9.0	41.0	-	-	-
Cashiers	289	6.1	40.0	286	6.2	40.0	-	-	-
Administrative support, including clerical	463	3.4	39.6	464	4.3	39.9	461	4.1	38.9
Secretaries	468	3.2	38.8	425	7.5	40.0	485	3.5	38.4
Bookkeepers, accounting and auditing clerks	505	8.7	40.0	512	9.6	40.0	-	-	-
Dispatchers	463	12.5	40.0	-	-	-	-	-	-
General office clerks	455	7.4	39.6	-	-	-	456	8.3	39.1
Bank tellers	362	6.3	39.2	362	6.3	39.2	-	-	-
Data entry keyers	382	5.1	40.0	382	5.1	40.0	-	-	-
Teachers' aides	333	1.7	38.1	-	-	-	333	1.7	38.1
Administrative support, n.e.c.	389	6.2	40.0	376	6.1	40.0	-	-	-

See footnotes at end of table.

Table 3-1. Mean weekly earnings,¹ full-time workers:² Selected occupations, private industry and State and local government, National Compensation Survey, Knoxville, TN, May 2001 — Continued

Occupation ³	Total			Private industry			State and local government		
	Weekly earnings		Mean weekly hours ⁵	Weekly earnings		Mean weekly hours ⁵	Weekly earnings		Mean weekly hours ⁵
	Mean	Relative error ⁴ (percent)		Mean	Relative error ⁴ (percent)		Mean	Relative error ⁴ (percent)	
Blue collar	\$526	3.2	40.8	\$523	3.4	41.0	\$563	6.7	39.6
Precision production, craft, and repair	646	4.4	39.9	650	4.9	40.0	631	9.5	39.5
Industrial machinery repairers	687	5.6	40.0	687	5.6	40.0	—	—	—
Mechanics and repairers, n.e.c.	488	12.3	39.0	—	—	—	—	—	—
Electrical power installers and repairers	623	7.1	40.0	—	—	—	623	7.1	40.0
Supervisors, production	772	8.0	40.0	772	8.0	40.0	—	—	—
Machine operators, assemblers, and inspectors	464	4.4	40.0	464	4.4	40.0	—	—	—
Fabricating machine operators, n.e.c.	467	4.2	40.0	467	4.2	40.0	—	—	—
Miscellaneous machine operators, n.e.c.	523	9.8	40.0	523	9.8	40.0	—	—	—
Assemblers	467	6.3	40.0	467	6.3	40.0	—	—	—
Transportation and material moving	546	7.6	44.2	551	8.1	44.4	461	7.8	39.8
Truck drivers	480	12.6	46.6	482	13.2	47.0	—	—	—
Industrial truck and tractor equipment operators	476	5.5	40.0	476	5.5	40.0	—	—	—
Handlers, equipment cleaners, helpers, and laborers	429	5.2	40.0	426	5.9	40.0	451	7.3	40.0
Supervisors, handlers, equipment cleaners, and laborers, n.e.c.	595	17.1	40.0	—	—	—	—	—	—
Stock handlers and baggers ...	377	6.5	39.8	377	6.5	39.8	—	—	—
Laborers, except construction, n.e.c.	396	6.3	40.0	—	—	—	—	—	—
Service	344	3.8	39.5	302	4.1	39.2	438	5.8	40.2
Protective service	444	10.0	40.6	—	—	—	519	4.9	40.9
Firefighting	584	4.9	49.6	—	—	—	584	4.9	49.6
Police and detectives, public service	601	6.0	40.1	—	—	—	601	6.0	40.1
Food service	282	8.5	39.1	280	8.7	39.1	—	—	—
Waiters, waitresses, and bartenders	87	7.7	38.0	87	7.7	38.0	—	—	—
Waiters and waitresses	87	7.7	38.0	87	7.7	38.0	—	—	—
Other food service	364	6.7	39.6	364	6.9	39.6	—	—	—
Supervisors, food preparation and service	583	11.4	41.3	583	11.4	41.3	—	—	—
Cooks	366	2.8	39.5	368	3.0	39.4	—	—	—
Food preparation, n.e.c.	275	4.3	39.1	275	4.3	39.1	—	—	—
Health service	317	2.2	38.2	317	2.2	38.2	—	—	—
Nursing aides, orderlies and attendants	317	2.2	38.2	317	2.2	38.2	—	—	—

See footnotes at end of table.

Table 3-1. Mean weekly earnings,¹ full-time workers:² Selected occupations, private industry and State and local government, National Compensation Survey, Knoxville, TN, May 2001 — Continued

Occupation ³	Total			Private industry			State and local government		
	Weekly earnings		Mean weekly hours ⁵	Weekly earnings		Mean weekly hours ⁵	Weekly earnings		Mean weekly hours ⁵
	Mean	Relative error ⁴ (percent)		Mean	Relative error ⁴ (percent)		Mean	Relative error ⁴ (percent)	
Service—Continued									
Cleaning and building service	\$352	3.5	39.4	\$327	4.2	39.2	\$368	4.8	39.6
Maids and housemen	291	4.1	38.4	291	4.1	38.4	—	—	—
Janitors and cleaners	347	3.9	39.9	352	5.4	39.8	—	—	—
Personal service	315	8.3	40.0	314	8.4	40.0	—	—	—

¹ Earnings are the straight-time weekly wages or salaries paid to employees. They include incentive pay, cost-of-living adjustments, and hazard pay. Excluded are premium pay for overtime, vacations, 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.

² 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.

³ A classification system including about 480 individual occupations is used to

cover all workers in the civilian economy. See appendix B for more information.

⁴ 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 appendix A.

⁵ Mean weekly hours are the hours an employee is scheduled to work in a week, exclusive of overtime.

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.

Table 3-2. Mean annual earnings,¹ full-time workers:² Selected occupations, private industry and State and local government, National Compensation Survey, Knoxville, TN, May 2001

Occupation ³	Total			Private industry			State and local government		
	Annual earnings		Mean annual hours ⁵	Annual earnings		Mean annual hours ⁵	Annual earnings		Mean annual hours ⁵
	Mean	Relative error ⁴ (percent)		Mean	Relative error ⁴ (percent)		Mean	Relative error ⁴ (percent)	
All	\$29,781	2.7	2,048	\$29,332	3.2	2,104	\$31,241	4.6	1,864
All excluding sales	29,580	2.6	2,037	29,000	3.1	2,097	31,269	4.6	1,864
White collar	34,756	3.4	1,999	35,057	4.4	2,102	34,070	4.5	1,761
White collar excluding sales	35,251	3.2	1,968	35,886	4.3	2,084	34,120	4.5	1,760
Professional specialty and technical	39,902	2.9	1,901	42,334	3.7	2,077	36,699	4.8	1,670
Professional specialty	42,180	2.9	1,839	47,163	3.8	2,075	37,974	4.3	1,639
Engineers, architects, and surveyors	54,847	5.0	2,070	57,101	3.9	2,086	-	-	-
Industrial engineers	54,025	10.9	2,121	54,025	10.9	2,121	-	-	-
Engineers, n.e.c.	56,545	2.8	2,080	56,545	2.8	2,080	-	-	-
Mathematical and computer scientists	-	-	-	-	-	-	-	-	-
Natural scientists	-	-	-	-	-	-	-	-	-
Health related	38,831	3.7	2,069	38,101	2.5	2,076	-	-	-
Registered nurses	38,267	2.6	2,073	38,282	2.6	2,076	-	-	-
Teachers, college and university	-	-	-	-	-	-	-	-	-
Teachers, except college and university	38,271	4.2	1,550	-	-	-	38,395	4.3	1,552
Elementary school teachers ...	39,083	6.1	1,556	-	-	-	39,165	6.1	1,557
Librarians, archivists, and curators	-	-	-	-	-	-	-	-	-
Social, recreation, and religious workers	-	-	-	-	-	-	-	-	-
Writers, authors, entertainers, athletes, and professionals, n.e.c.	-	-	-	-	-	-	-	-	-
Technical	34,048	5.9	2,062	35,672	5.8	2,080	-	-	-
Engineering technicians, n.e.c.	38,577	11.5	2,060	-	-	-	-	-	-
Drafters	44,751	8.2	2,080	44,751	8.2	2,080	-	-	-
Executive, administrative, and managerial	52,705	8.2	2,081	56,118	11.0	2,151	47,318	9.5	1,971
Executives, administrators, and managers	61,170	9.8	2,117	62,409	12.1	2,174	58,207	15.5	1,979
Administrators and officials, public administration	76,654	3.6	2,080	-	-	-	76,654	3.6	2,080
Personnel and labor relations managers	44,797	16.7	2,080	44,797	16.7	2,080	-	-	-
Managers and administrators, n.e.c.	69,661	15.4	2,213	69,201	15.9	2,216	-	-	-
Management related	37,113	6.6	2,015	37,591	6.9	2,080	36,736	10.6	1,964
Sales	32,066	14.1	2,165	32,151	14.2	2,166	-	-	-
Supervisors, sales	54,197	38.1	2,259	54,197	38.1	2,259	-	-	-
Sales representatives, mining, manufacturing, and wholesale	39,960	9.0	2,133	39,960	9.0	2,133	-	-	-
Cashiers	15,032	6.1	2,080	14,886	6.2	2,080	-	-	-
Administrative support, including clerical	23,595	3.4	2,019	24,133	4.3	2,074	22,025	4.1	1,859
Secretaries	23,571	3.2	1,957	22,125	7.5	2,080	24,143	3.5	1,908
Bookkeepers, accounting and auditing clerks	26,283	8.7	2,080	26,620	9.6	2,080	-	-	-
Dispatchers	24,087	12.5	2,080	-	-	-	-	-	-
General office clerks	23,517	7.4	2,044	-	-	-	23,394	8.3	2,005
Bank tellers	18,845	6.3	2,037	18,845	6.3	2,037	-	-	-
Data entry keyers	19,872	5.1	2,080	19,872	5.1	2,080	-	-	-
Teachers' aides	13,037	1.7	1,490	-	-	-	13,037	1.7	1,490
Administrative support, n.e.c.	20,224	6.2	2,080	19,571	6.1	2,080	-	-	-

See footnotes at end of table.

Table 3-2. Mean annual earnings,¹ full-time workers:² Selected occupations, private industry and State and local government, National Compensation Survey, Knoxville, TN, May 2001 — Continued

Occupation ³	Total			Private industry			State and local government		
	Annual earnings		Mean annual hours ⁵	Annual earnings		Mean annual hours ⁵	Annual earnings		Mean annual hours ⁵
	Mean	Relative error ⁴ (percent)		Mean	Relative error ⁴ (percent)		Mean	Relative error ⁴ (percent)	
Blue collar	\$27,369	3.2	2,124	\$27,175	3.4	2,130	\$29,282	6.7	2,062
Precision production, craft, and repair	33,594	4.4	2,074	33,790	4.9	2,079	32,811	9.5	2,053
Industrial machinery repairers	35,734	5.6	2,080	35,734	5.6	2,080	—	—	—
Mechanics and repairers, n.e.c.	25,402	12.3	2,026	—	—	—	—	—	—
Electrical power installers and repairers	32,370	7.1	2,080	—	—	—	32,370	7.1	2,080
Supervisors, production	40,159	8.0	2,080	40,159	8.0	2,080	—	—	—
Machine operators, assemblers, and inspectors	24,111	4.4	2,078	24,111	4.4	2,078	—	—	—
Fabricating machine operators, n.e.c.	24,261	4.2	2,080	24,261	4.2	2,080	—	—	—
Miscellaneous machine operators, n.e.c.	27,187	9.8	2,080	27,187	9.8	2,080	—	—	—
Assemblers	24,293	6.3	2,080	24,293	6.3	2,080	—	—	—
Transportation and material moving	28,387	7.6	2,296	28,653	8.1	2,310	23,978	7.8	2,069
Truck drivers	24,955	12.6	2,424	25,067	13.2	2,443	—	—	—
Industrial truck and tractor equipment operators	24,732	5.5	2,080	24,732	5.5	2,080	—	—	—
Handlers, equipment cleaners, helpers, and laborers	22,310	5.2	2,078	22,142	5.9	2,078	23,455	7.3	2,080
Supervisors, handlers, equipment cleaners, and laborers, n.e.c.	30,963	17.1	2,080	—	—	—	—	—	—
Stock handlers and baggers ...	19,629	6.5	2,070	19,629	6.5	2,070	—	—	—
Laborers, except construction, n.e.c.	20,586	6.3	2,080	—	—	—	—	—	—
Service	17,866	3.8	2,053	15,710	4.1	2,037	22,791	5.8	2,091
Protective service	23,076	10.0	2,112	—	—	—	27,005	4.9	2,126
Firefighting	30,367	4.9	2,577	—	—	—	30,367	4.9	2,577
Police and detectives, public service	31,247	6.0	2,085	—	—	—	31,247	6.0	2,085
Food service	14,669	8.5	2,035	14,579	8.7	2,034	—	—	—
Waiters, waitresses, and bartenders	4,515	7.7	1,978	4,515	7.7	1,978	—	—	—
Waiters and waitresses	4,515	7.7	1,978	4,515	7.7	1,978	—	—	—
Other food service	18,916	6.7	2,059	18,945	6.9	2,058	—	—	—
Supervisors, food preparation and service	30,303	11.4	2,146	30,303	11.4	2,146	—	—	—
Cooks	19,039	2.8	2,053	19,136	3.0	2,050	—	—	—
Food preparation, n.e.c.	14,299	4.3	2,032	14,299	4.3	2,032	—	—	—
Health service	16,496	2.2	1,987	16,496	2.2	1,987	—	—	—
Nursing aides, orderlies and attendants	16,496	2.2	1,987	16,496	2.2	1,987	—	—	—

See footnotes at end of table.

Table 3-2. Mean annual earnings,¹ full-time workers:² Selected occupations, private industry and State and local government, National Compensation Survey, Knoxville, TN, May 2001 — Continued

Occupation ³	Total			Private industry			State and local government		
	Annual earnings		Mean annual hours ⁵	Annual earnings		Mean annual hours ⁵	Annual earnings		Mean annual hours ⁵
	Mean	Relative error ⁴ (percent)		Mean	Relative error ⁴ (percent)		Mean	Relative error ⁴ (percent)	
Service—Continued									
Cleaning and building service	\$18,326	3.5	2,051	\$17,004	4.2	2,038	\$19,135	4.8	2,058
Maids and housemen	15,118	4.1	1,995	15,118	4.1	1,995	—	—	—
Janitors and cleaners	18,056	3.9	2,075	18,300	5.4	2,067	—	—	—
Personal service	16,374	8.3	2,080	16,304	8.4	2,080	—	—	—

¹ Earnings are the straight-time annual wages or salaries paid to employees. They include incentive pay, cost-of-living adjustments, and hazard pay. Excluded are premium pay for overtime, vacations, 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.

² 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.

³ A classification system including about 480 individual occupations is used to

cover all workers in the civilian economy. See appendix B for more information.

⁴ 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 appendix A.

⁵ Mean annual hours are the hours an employee is scheduled to work in a year, exclusive of overtime.

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.

Table 4-1. Selected occupations¹ and levels,² all workers:³ Mean hourly earnings,⁴ private industry and State and local government, National Compensation Survey, Knoxville, TN, May 2001

Occupation and level	Total		Private industry		State and local government	
	Mean	Relative error ⁵ (percent)	Mean	Relative error ⁵ (percent)	Mean	Relative error ⁵ (percent)
All	\$14.21	2.7	\$13.58	3.2	\$16.65	4.6
All excluding sales	14.25	2.6	13.53	3.1	16.67	4.6
White collar	17.01	3.3	16.25	4.2	19.21	4.5
1	7.27	3.0	7.13	2.7	—	—
2	8.68	3.6	8.64	5.0	8.78	1.8
3	9.25	5.1	9.10	5.4	11.39	7.6
4	11.18	2.6	11.01	3.1	11.79	3.7
5	14.79	4.1	14.73	4.4	15.22	12.3
6	14.75	3.1	14.98	3.3	13.89	5.8
7	17.60	2.6	17.61	2.6	17.59	5.2
8	22.47	2.1	21.93	4.3	22.86	2.0
9	24.25	3.6	23.93	4.0	25.62	7.6
10	27.77	10.2	28.25	7.8	—	—
11	36.17	9.8	35.80	11.9	—	—
12	39.10	7.0	39.77	9.8	—	—
Not able to be leveled	31.01	31.4	—	—	—	—
White collar excluding sales	17.72	3.2	17.02	4.1	19.25	4.5
1	7.77	3.7	—	—	—	—
2	8.86	3.6	8.89	5.1	8.78	1.8
3	9.79	3.8	9.63	4.0	11.75	7.6
4	11.40	2.4	11.19	2.9	11.79	3.7
5	14.88	4.8	14.83	5.2	15.22	12.3
6	15.04	3.1	15.54	2.5	13.89	5.8
7	17.61	2.8	17.63	3.1	17.59	5.2
8	21.77	2.1	19.95	4.1	22.86	2.0
9	24.21	3.6	23.88	4.2	25.62	7.6
10	26.70	10.6	—	—	—	—
11	32.36	4.0	30.97	4.3	—	—
12	39.10	7.0	39.77	9.8	—	—
Not able to be leveled	31.01	31.4	—	—	—	—
Professional specialty and technical	20.88	2.8	20.26	3.6	21.93	4.6
Professional specialty	22.83	2.7	22.58	3.7	23.10	4.1
6	15.75	2.8	15.87	2.8	—	—
7	18.60	3.7	18.78	3.5	18.44	6.3
8	22.16	2.0	20.23	4.2	23.31	1.5
9	25.14	3.8	25.53	4.0	24.06	8.0
10	26.91	18.0	—	—	—	—
11	31.01	7.6	31.01	7.6	—	—
Engineers, architects, and surveyors	26.46	4.5	27.32	3.9	—	—
9	26.42	4.3	26.42	4.3	—	—
11	31.01	7.6	31.01	7.6	—	—
Industrial engineers	25.21	8.9	25.21	8.9	—	—
Engineers, n.e.c.	27.18	2.8	27.18	2.8	—	—
Mathematical and computer scientists	—	—	—	—	—	—
Natural scientists	—	—	—	—	—	—
Health related	18.83	3.5	18.45	2.3	—	—
7	17.16	2.4	17.62	1.2	—	—
8	19.45	2.6	19.44	2.7	—	—
Registered nurses	18.55	2.3	18.53	2.3	—	—
8	19.45	2.6	19.44	2.7	—	—
Teachers, college and university	—	—	—	—	—	—
Teachers, except college and university	24.65	4.2	—	—	24.70	4.2
7	25.44	7.8	—	—	—	—
9	23.88	8.3	—	—	23.88	8.3
Elementary school teachers	25.13	6.1	—	—	25.16	6.1
9	24.31	8.5	—	—	24.31	8.5
Librarians, archivists, and curators	—	—	—	—	—	—
Social, recreation, and religious workers	—	—	—	—	—	—
Writers, authors, entertainers, athletes, and professionals, n.e.c.	—	—	—	—	—	—
Technical	16.40	5.6	17.01	5.7	—	—
5	13.97	5.3	13.97	5.3	—	—
6	13.35	4.5	—	—	—	—
7	18.26	6.8	18.26	6.8	—	—

See footnotes at end of table.

Table 4-1. Selected occupations¹ and levels,² all workers:³ Mean hourly earnings,⁴ private industry and State and local government, National Compensation Survey, Knoxville, TN, May 2001 — Continued

Occupation and level	Total		Private industry		State and local government	
	Mean	Relative error ⁵ (percent)	Mean	Relative error ⁵ (percent)	Mean	Relative error ⁵ (percent)
White collar —Continued						
Professional specialty and technical —Continued						
Technical —Continued						
Licensed practical nurses	\$12.17	3.1	\$12.17	3.1	—	—
Engineering technicians, n.e.c.	18.73	11.0	—	—	—	—
Drafters	21.52	8.2	21.52	8.2	—	—
Executive, administrative, and managerial	25.32	7.3	26.12	9.9	\$23.95	8.9
5	15.15	1.5	—	—	—	—
8	20.72	6.8	—	—	—	—
9	23.15	8.0	21.68	8.0	—	—
11	33.30	4.2	30.93	3.5	—	—
12	42.07	5.6	—	—	—	—
Executives, administrators, and managers	28.86	8.7	28.70	10.8	29.28	14.1
9	23.25	9.6	21.44	9.9	—	—
11	33.77	4.5	—	—	—	—
12	42.07	5.6	—	—	—	—
Administrators and officials, public administration	36.85	3.6	—	—	36.85	3.6
Personnel and labor relations managers	21.54	16.7	21.54	16.7	—	—
Managers and administrators, n.e.c.	31.48	13.6	31.23	14.0	—	—
Management related	18.53	6.7	18.33	7.0	18.70	10.7
Sales	13.89	12.3	13.92	12.4	—	—
3	7.60	8.2	7.55	8.4	—	—
4	10.79	6.0	10.79	6.0	—	—
5	14.39	7.6	14.39	7.6	—	—
6	14.10	8.9	14.10	8.9	—	—
Supervisors, sales	23.99	35.7	23.99	35.7	—	—
Sales representatives, mining, manufacturing, and wholesale	18.73	9.5	18.73	9.5	—	—
Sales workers, other commodities	8.99	6.5	8.99	6.5	—	—
Cashiers	7.12	5.7	7.07	5.8	—	—
Administrative support, including clerical	11.51	3.3	11.44	4.1	11.72	3.9
1	7.77	3.7	—	—	—	—
2	8.86	3.6	8.89	5.1	8.78	1.8
3	9.82	3.8	9.65	4.1	11.75	7.6
4	11.46	2.5	11.17	3.0	12.03	3.7
5	15.48	10.1	16.61	10.4	—	—
6	15.91	3.0	15.82	3.9	16.19	3.4
7	15.73	5.0	15.46	5.2	—	—
Not able to be leveled	17.22	13.4	—	—	—	—
Secretaries	11.98	3.5	10.63	7.5	12.55	3.5
4	11.89	4.1	—	—	—	—
Bookkeepers, accounting and auditing clerks	12.64	8.7	12.80	9.6	—	—
4	10.62	5.1	—	—	—	—
Dispatchers	11.58	12.5	—	—	—	—
General office clerks	11.51	7.1	—	—	11.67	7.4
4	12.42	6.3	—	—	—	—
Bank tellers	9.25	7.0	9.25	7.0	—	—
Data entry keyers	9.49	5.0	9.49	5.0	—	—
Teachers' aides	8.72	2.2	—	—	8.72	2.2
2	8.71	2.0	—	—	8.71	2.0
Administrative support, n.e.c.	9.67	5.9	9.38	5.8	—	—
Blue collar	12.81	3.4	12.67	3.7	14.18	6.3
1	8.37	6.6	8.21	6.7	—	—
2	9.77	3.8	9.76	4.0	—	—
3	10.72	3.3	10.72	3.5	—	—
4	11.66	5.1	11.62	5.4	12.28	7.1
5	13.00	4.4	13.20	4.8	12.23	9.4
6	16.71	3.9	16.52	5.0	—	—
7	17.28	2.7	17.08	2.8	18.72	5.7

See footnotes at end of table.

Table 4-1. Selected occupations¹ and levels,² all workers:³ Mean hourly earnings,⁴ private industry and State and local government, National Compensation Survey, Knoxville, TN, May 2001 — Continued

Occupation and level	Total		Private industry		State and local government	
	Mean	Relative error ⁵ (percent)	Mean	Relative error ⁵ (percent)	Mean	Relative error ⁵ (percent)
Blue collar —Continued						
Precision production, craft, and repair	\$16.13	4.3	\$16.16	4.9	\$15.98	8.7
2	10.57	8.6	10.39	9.1	—	—
4	13.09	3.5	12.77	3.9	13.95	7.7
5	11.64	6.6	11.33	7.5	12.19	12.4
7	17.70	3.1	17.43	3.3	19.35	5.6
Industrial machinery repairers	17.18	5.6	17.18	5.6	—	—
7	18.81	4.5	18.81	4.5	—	—
Mechanics and repairers, n.e.c.	12.54	10.8	—	—	—	—
Electrical power installers and repairers	15.56	7.1	—	—	15.56	7.1
Supervisors, production	19.31	8.0	19.31	8.0	—	—
Machine operators, assemblers, and inspectors	11.58	4.4	11.58	4.4	—	—
1	8.12	11.9	8.12	11.9	—	—
2	9.48	3.2	9.48	3.2	—	—
3	10.96	4.8	10.96	4.8	—	—
4	12.41	4.4	12.41	4.4	—	—
5	13.87	5.0	13.87	5.0	—	—
Fabricating machine operators, n.e.c.	11.66	4.2	11.66	4.2	—	—
Miscellaneous machine operators, n.e.c.	13.08	9.7	13.08	9.7	—	—
Assemblers	11.64	6.2	11.64	6.2	—	—
Transportation and material moving	12.36	8.5	12.40	9.0	11.56	7.5
2	9.81	10.5	9.81	10.5	—	—
4	10.33	7.0	10.30	7.7	—	—
Truck drivers	10.30	13.8	10.26	14.4	—	—
Industrial truck and tractor equipment operators ..	11.89	5.5	11.89	5.5	—	—
Handlers, equipment cleaners, helpers, and laborers	10.53	5.1	10.43	5.7	11.28	7.3
1	8.57	6.7	8.29	6.9	—	—
2	9.68	5.0	9.76	5.6	—	—
3	10.59	7.8	10.52	8.5	—	—
Supervisors, handlers, equipment cleaners, and laborers, n.e.c.	14.89	17.1	—	—	—	—
Stock handlers and baggers	9.36	6.1	9.36	6.1	—	—
Freight, stock, and material handlers, n.e.c.	11.26	8.9	11.26	8.9	—	—
Hand packers and packagers	9.73	8.6	9.73	8.6	—	—
Laborers, except construction, n.e.c.	9.77	6.1	—	—	—	—
Service	8.33	3.9	7.36	4.1	10.83	5.5
1	7.04	6.3	6.76	6.6	—	—
2	7.19	7.5	6.57	6.2	—	—
3	6.14	16.2	6.10	16.5	—	—
4	9.80	2.8	9.00	3.3	—	—
5	12.82	3.2	—	—	13.06	2.3
6	12.83	5.6	—	—	—	—
7	15.51	9.1	—	—	—	—
Protective service	10.85	10.1	—	—	12.62	4.2
5	13.54	4.2	—	—	—	—
7	13.29	5.3	—	—	—	—
Firefighting	11.78	6.4	—	—	11.78	6.4
Police and detectives, public service	14.98	6.0	—	—	14.98	6.0
Food service	6.63	7.6	6.58	7.8	—	—
1	5.76	9.7	5.73	9.9	—	—
2	5.26	15.3	5.26	15.3	—	—
3	3.36	23.1	3.36	23.1	—	—
4	9.01	2.9	9.04	3.2	—	—
Waiters, waitresses, and bartenders	2.46	6.2	2.46	6.2	—	—
1	2.63	8.3	2.63	8.3	—	—
3	2.32	7.9	2.32	7.9	—	—
Waiters and waitresses	2.27	4.4	2.27	4.4	—	—
3	2.22	3.8	2.22	3.8	—	—
Other food service	8.93	6.3	8.96	6.5	—	—

See footnotes at end of table.

Table 4-1. Selected occupations¹ and levels,² all workers:³ Mean hourly earnings,⁴ private industry and State and local government, National Compensation Survey, Knoxville, TN, May 2001 — Continued

Occupation and level	Total		Private industry		State and local government	
	Mean	Relative error ⁵ (percent)	Mean	Relative error ⁵ (percent)	Mean	Relative error ⁵ (percent)
Service—Continued						
Food service—Continued						
Other food service—Continued						
1	\$7.05	3.3	\$7.05	3.4	—	—
2	7.43	6.0	7.43	6.0	—	—
4	9.22	2.7	9.28	2.8	—	—
Supervisors, food preparation and service	13.92	12.4	13.92	12.4	—	—
Cooks	9.21	3.4	9.26	3.6	—	—
4	9.24	2.9	9.32	3.1	—	—
Food preparation, n.e.c.	6.97	3.2	6.97	3.2	—	—
1	6.93	3.7	6.93	3.7	—	—
Health service	8.30	2.1	8.30	2.1	—	—
3	8.51	1.8	8.51	1.8	—	—
Nursing aides, orderlies and attendants	8.30	2.1	8.30	2.1	—	—
3	8.51	1.8	8.51	1.8	—	—
Cleaning and building service	8.93	3.7	8.34	4.0	\$9.28	5.3
1	8.41	2.5	8.69	4.6	—	—
Maids and housemen	7.58	2.7	7.58	2.7	—	—
Janitors and cleaners	8.70	4.0	8.85	5.7	8.58	5.0
1	8.47	3.1	8.94	6.1	—	—
Personal service	7.51	7.8	7.48	7.9	—	—

¹ A classification system including about 480 individual occupations is used to cover all workers in the civilian economy. See appendix B for more information.

² Each occupation for which data are collected in an establishment is evaluated based on 10 factors, including knowledge, complexity, work environment, etc. Points are assigned based on the occupation's rank within each factor. The points are summed to determine the overall level of the occupation. See appendixes C and D for more information.

³ All workers include full-time and part-time workers.

⁴ 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, 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.

⁵ 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 appendix A.

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.

Table 4-2. Selected occupations¹ and levels,² full-time workers:³ Mean hourly earnings,⁴ private industry and State and local government, National Compensation Survey, Knoxville, TN, May 2001

Occupation and level	Total		Private industry		State and local government	
	Mean	Relative error ⁵ (percent)	Mean	Relative error ⁵ (percent)	Mean	Relative error ⁵ (percent)
All	\$14.54	2.6	\$13.94	3.1	\$16.76	4.7
All excluding sales	14.52	2.6	13.83	3.1	16.78	4.7
White collar	17.39	3.2	16.67	4.1	19.34	4.5
1	7.59	5.0	7.30	4.7	—	—
2	8.67	3.6	8.63	5.0	8.76	1.8
3	9.44	4.8	9.28	5.1	11.53	7.6
4	11.26	2.7	11.10	3.3	11.79	3.7
5	14.80	4.1	14.75	4.4	15.22	12.3
6	14.82	3.2	15.06	3.3	13.94	6.0
7	17.64	2.6	17.61	2.6	17.67	5.3
8	22.56	2.1	22.12	4.5	22.86	2.0
9	24.26	3.6	23.95	4.0	25.62	7.6
10	27.77	10.2	28.25	7.8	—	—
11	36.25	9.9	35.90	12.0	—	—
12	39.10	7.0	39.77	9.8	—	—
White collar excluding sales	17.91	3.2	17.22	4.2	19.38	4.5
2	8.85	3.7	8.89	5.2	8.76	1.8
3	9.80	3.8	9.63	4.1	—	—
4	11.40	2.4	11.18	3.0	11.79	3.7
5	14.88	4.8	14.83	5.2	15.22	12.3
6	15.04	3.1	15.52	2.6	13.94	6.0
7	17.65	2.8	17.63	3.1	17.67	5.3
8	21.85	2.1	19.99	4.4	22.86	2.0
9	24.23	3.6	23.89	4.2	25.62	7.6
10	26.70	10.6	—	—	—	—
11	32.40	4.1	31.00	4.4	—	—
12	39.10	7.0	39.77	9.8	—	—
Professional specialty and technical	20.99	2.9	20.38	3.7	21.98	4.6
Professional specialty	22.94	2.8	22.73	3.8	23.17	4.1
7	18.68	3.7	18.78	3.5	18.59	6.4
8	22.27	2.1	20.31	4.5	23.31	1.5
9	25.17	3.8	25.57	4.0	24.06	8.0
10	26.91	18.0	—	—	—	—
11	31.01	7.6	31.01	7.6	—	—
Engineers, architects, and surveyors	26.50	4.5	27.37	3.9	—	—
9	26.52	4.3	26.52	4.3	—	—
11	31.01	7.6	31.01	7.6	—	—
Industrial engineers	25.47	9.2	25.47	9.2	—	—
Engineers, n.e.c.	27.18	2.8	27.18	2.8	—	—
Mathematical and computer scientists	—	—	—	—	—	—
Natural scientists	—	—	—	—	—	—
Health related	18.77	3.7	18.35	2.5	—	—
7	17.16	2.4	17.62	1.2	—	—
8	19.43	3.3	—	—	—	—
Registered nurses	18.46	2.5	18.44	2.6	—	—
8	19.43	3.3	—	—	—	—
Teachers, college and university	—	—	—	—	—	—
Teachers, except college and university	24.68	4.2	—	—	24.74	4.2
7	25.44	7.8	—	—	—	—
9	23.88	8.3	—	—	23.88	8.3
Elementary school teachers	25.13	6.1	—	—	25.16	6.1
9	24.31	8.5	—	—	24.31	8.5
Librarians, archivists, and curators	—	—	—	—	—	—
Social, recreation, and religious workers	—	—	—	—	—	—
Writers, authors, entertainers, athletes, and professionals, n.e.c.	—	—	—	—	—	—
Technical	16.51	5.7	17.15	5.8	—	—
5	13.97	5.3	13.97	5.3	—	—
6	13.35	4.5	—	—	—	—
7	18.26	6.8	18.26	6.8	—	—
Engineering technicians, n.e.c.	18.73	11.0	—	—	—	—
Drafters	21.52	8.2	21.52	8.2	—	—
Executive, administrative, and managerial	25.33	7.4	26.10	10.0	24.00	8.9

See footnotes at end of table.

Table 4-2. **Selected occupations¹ and levels,² full-time workers:³ Mean hourly earnings,⁴ private industry and State and local government, National Compensation Survey, Knoxville, TN, May 2001** — Continued

Occupation and level	Total		Private industry		State and local government	
	Mean	Relative error ⁵ (percent)	Mean	Relative error ⁵ (percent)	Mean	Relative error ⁵ (percent)
White collar —Continued						
Executive, administrative, and managerial —Continued						
5	\$15.15	1.5	—	—	—	—
8	20.72	6.8	—	—	—	—
9	23.15	8.0	\$21.68	8.0	—	—
11	33.40	4.3	—	—	—	—
12	42.07	5.6	—	—	—	—
Executives, administrators, and managers	28.90	8.7	28.70	10.8	\$29.42	14.2
9	23.25	9.6	21.44	9.9	—	—
11	33.77	4.5	—	—	—	—
12	42.07	5.6	—	—	—	—
Administrators and officials, public administration	36.85	3.6	—	—	36.85	3.6
Personnel and labor relations managers	21.54	16.7	21.54	16.7	—	—
Managers and administrators, n.e.c.	31.48	13.6	31.23	14.0	—	—
Management related	18.42	6.8	18.07	6.9	18.70	10.7
Sales						
4	14.81	12.3	14.84	12.4	—	—
5	11.00	6.5	11.00	6.5	—	—
Supervisors, sales	14.46	7.5	14.46	7.5	—	—
Supervisors, sales	23.99	35.7	23.99	35.7	—	—
Sales representatives, mining, manufacturing, and wholesale	18.73	9.5	18.73	9.5	—	—
Cashiers	7.23	6.1	7.16	6.2	—	—
Administrative support, including clerical						
2	11.68	3.4	11.64	4.3	11.85	4.0
3	8.85	3.7	8.89	5.2	8.76	1.8
4	9.83	3.8	9.66	4.1	—	—
5	11.47	2.5	11.18	3.0	12.03	3.7
6	15.48	10.1	16.61	10.4	—	—
7	15.91	3.0	15.82	3.9	16.19	3.4
Secretaries	15.73	5.0	15.46	5.2	—	—
4	12.05	3.5	10.64	7.5	12.65	3.5
Bookkeepers, accounting and auditing clerks	11.90	4.1	—	—	—	—
4	12.64	8.7	12.80	9.6	—	—
Dispatchers	10.62	5.1	—	—	—	—
General office clerks	11.58	12.5	—	—	—	—
4	11.51	7.1	—	—	11.67	7.4
Bank tellers	12.42	6.3	—	—	—	—
Data entry keyers	9.25	7.0	9.25	7.0	—	—
Teachers' aides	9.55	5.1	9.55	5.1	—	—
Administrative support, n.e.c.	8.75	2.1	—	—	8.75	2.1
4	9.72	6.2	9.41	6.1	—	—
Blue collar						
1	12.89	3.4	12.76	3.7	14.20	6.3
2	8.58	7.5	8.41	7.5	—	—
3	9.77	3.9	9.76	4.0	—	—
4	10.79	3.4	10.79	3.6	—	—
5	11.67	5.1	11.62	5.4	12.33	7.3
6	13.00	4.4	13.20	4.8	12.23	9.4
7	16.71	3.9	16.52	5.0	—	—
7	17.28	2.7	17.08	2.8	18.72	5.7
Precision production, craft, and repair						
2	16.20	4.3	16.25	4.9	15.98	8.7
4	10.57	8.6	10.39	9.1	—	—
5	13.09	3.5	12.77	3.9	13.95	7.7
7	11.64	6.6	11.33	7.5	12.19	12.4
Industrial machinery repairers	17.70	3.1	17.43	3.3	19.35	5.6
7	17.18	5.6	17.18	5.6	—	—
Mechanics and repairers, n.e.c.	18.81	4.5	18.81	4.5	—	—
Electrical power installers and repairers	12.54	10.8	—	—	—	—
Supervisors, production	15.56	7.1	—	—	15.56	7.1
7	19.31	8.0	19.31	8.0	—	—
Machine operators, assemblers, and inspectors						
7	11.60	4.4	11.60	4.4	—	—

See footnotes at end of table.

Table 4-2. **Selected occupations¹ and levels,² full-time workers:³ Mean hourly earnings,⁴ private industry and State and local government, National Compensation Survey, Knoxville, TN, May 2001** — Continued

Occupation and level	Total		Private industry		State and local government	
	Mean	Relative error ⁵ (percent)	Mean	Relative error ⁵ (percent)	Mean	Relative error ⁵ (percent)
Blue collar —Continued						
Machine operators, assemblers, and inspectors						
—Continued						
1	\$8.13	12.3	\$8.13	12.3	—	—
2	9.48	3.2	9.48	3.2	—	—
3	10.96	4.8	10.96	4.8	—	—
4	12.41	4.4	12.41	4.4	—	—
5	13.87	5.0	13.87	5.0	—	—
Fabricating machine operators, n.e.c.	11.66	4.2	11.66	4.2	—	—
Miscellaneous machine operators, n.e.c.	13.07	9.8	13.07	9.8	—	—
Assemblers	11.68	6.3	11.68	6.3	—	—
Transportation and material moving	12.36	8.5	12.40	9.0	\$11.59	7.8
2	9.81	10.5	9.81	10.5	—	—
4	10.32	7.1	10.30	7.7	—	—
Truck drivers	10.30	13.8	10.26	14.4	—	—
Industrial truck and tractor equipment operators ..	11.89	5.5	11.89	5.5	—	—
Handlers, equipment cleaners, helpers, and laborers	10.74	5.2	10.66	5.9	11.28	7.3
1	9.01	6.8	8.71	7.0	—	—
2	9.68	5.0	9.76	5.6	—	—
3	10.61	7.9	10.54	8.6	—	—
Supervisors, handlers, equipment cleaners, and laborers, n.e.c.	14.89	17.1	—	—	—	—
Stock handlers and baggers	9.48	6.6	9.48	6.6	—	—
Laborers, except construction, n.e.c.	9.90	6.3	—	—	—	—
Service	8.70	3.6	7.71	3.7	10.90	5.7
1	7.15	6.4	6.88	6.9	—	—
2	7.46	7.6	6.76	6.6	—	—
3	6.90	13.8	6.87	14.0	—	—
4	10.06	2.5	9.34	2.8	—	—
5	12.64	2.6	—	—	—	—
6	12.92	5.8	—	—	—	—
7	15.51	9.1	—	—	—	—
Protective service	10.93	9.7	—	—	12.70	4.3
7	13.29	5.3	—	—	—	—
Firefighting	11.78	6.4	—	—	11.78	6.4
Police and detectives, public service	14.98	6.0	—	—	14.98	6.0
Food service	7.21	7.5	7.17	7.6	—	—
1	5.80	10.2	5.80	10.2	—	—
2	5.37	19.6	5.37	19.6	—	—
3	3.86	30.2	3.86	30.2	—	—
4	9.30	2.6	9.38	2.8	—	—
Waiters, waitresses, and bartenders	2.28	5.7	2.28	5.7	—	—
Waiters and waitresses	2.28	5.7	2.28	5.7	—	—
Other food service	9.19	6.7	9.21	7.0	—	—
1	7.10	4.2	7.10	4.2	—	—
4	9.30	2.6	9.38	2.8	—	—
Supervisors, food preparation and service	14.12	13.1	14.12	13.1	—	—
Cooks	9.27	3.4	9.33	3.7	—	—
4	9.34	2.9	9.43	3.1	—	—
Food preparation, n.e.c.	7.04	4.3	7.04	4.3	—	—
1	6.97	4.5	6.97	4.5	—	—
Health service	8.30	2.1	8.30	2.1	—	—
3	8.51	1.8	8.51	1.8	—	—
Nursing aides, orderlies and attendants	8.30	2.1	8.30	2.1	—	—
3	8.51	1.8	8.51	1.8	—	—
Cleaning and building service	8.94	3.7	8.34	4.0	9.30	5.4
1	8.42	2.6	8.69	4.6	—	—
Maids and housemen	7.58	2.7	7.58	2.7	—	—
Janitors and cleaners	8.70	4.1	8.85	5.7	—	—
1	8.47	3.2	8.94	6.1	—	—

See footnotes at end of table.

Table 4-2. **Selected occupations¹ and levels,² full-time workers:³ Mean hourly earnings,⁴ private industry and State and local government, National Compensation Survey, Knoxville, TN, May 2001 — Continued**

Occupation and level	Total		Private industry		State and local government	
	Mean	Relative error ⁵ (percent)	Mean	Relative error ⁵ (percent)	Mean	Relative error ⁵ (percent)
Service —Continued						
Personal service	\$7.87	8.3	\$7.84	8.4	—	—

¹ A classification system including about 480 individual occupations is used to cover all workers in the civilian economy. See appendix B for more information.

² Each occupation for which data are collected in an establishment is evaluated based on 10 factors, including knowledge, complexity, work environment, etc. Points are assigned based on the occupation's rank within each factor. The points are summed to determine the overall level of the occupation. See appendixes C and D for more information.

³ 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.

⁴ 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, 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.

⁵ 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 appendix A.

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.

Table 4-3. **Selected occupations¹ and levels,² part-time workers:³ Mean hourly earnings,⁴ private industry and State and local government, National Compensation Survey, Knoxville, TN, May 2001**

Occupation and level	Total		Private industry		State and local government	
	Mean	Relative error ⁵ (percent)	Mean	Relative error ⁵ (percent)	Mean	Relative error ⁵ (percent)
All	\$7.74	6.6	\$7.71	7.0	\$8.36	6.1
All excluding sales	7.64	8.4	7.58	9.0	8.36	6.1
White collar	9.55	7.6	9.61	8.1	8.68	8.9
1	7.01	2.2	7.00	2.3	—	—
3	7.50	6.1	7.46	6.3	—	—
4	9.69	6.9	9.69	6.9	—	—
White collar excluding sales	11.18	10.1	11.59	11.1	8.68	8.9
Professional specialty and technical	16.15	9.2	—	—	—	—
Professional specialty	—	—	—	—	—	—
Engineers, architects, and surveyors	—	—	—	—	—	—
Health related	—	—	—	—	—	—
Teachers, except college and university	—	—	—	—	—	—
Librarians, archivists, and curators	—	—	—	—	—	—
Social, recreation, and religious workers	—	—	—	—	—	—
Technical	—	—	—	—	—	—
Executive, administrative, and managerial	—	—	—	—	—	—
Executives, administrators, and managers	—	—	—	—	—	—
Management related	—	—	—	—	—	—
Sales	8.04	7.6	8.04	7.6	—	—
Sales workers, other commodities	9.26	9.5	9.26	9.5	—	—
Cashiers	6.91	5.2	6.91	5.2	—	—
Administrative support, including clerical	7.56	3.2	—	—	8.07	6.2
Blue collar	7.55	7.8	7.44	7.6	—	—
1	6.87	6.2	6.87	6.2	—	—
Precision production, craft, and repair	—	—	—	—	—	—
Machine operators, assemblers, and inspectors	—	—	—	—	—	—
Transportation and material moving	—	—	—	—	—	—
Handlers, equipment cleaners, helpers, and laborers	6.81	6.2	6.81	6.2	—	—
Service	5.51	8.4	5.42	8.9	—	—
1	5.82	13.8	—	—	—	—
2	5.91	9.0	5.91	9.0	—	—
3	2.72	12.8	—	—	—	—
Protective service	—	—	—	—	—	—
Food service	4.68	12.0	4.61	12.4	—	—
Waiters, waitresses, and bartenders	2.75	8.5	2.75	8.5	—	—
Waiters and waitresses	2.25	4.2	2.25	4.2	—	—
Other food service	7.44	7.7	7.46	8.2	—	—
Cleaning and building service	—	—	—	—	—	—
Personal service	—	—	—	—	—	—

¹ A classification system including about 480 individual occupations is used to cover all workers in the civilian economy. See appendix B for more information.

² Each occupation for which data are collected in an establishment is evaluated based on 10 factors, including knowledge, complexity, work environment, etc. Points are assigned based on the occupation's rank within each factor. The points are summed to determine the overall level of the occupation. See appendixes C and D for more information.

³ 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.

⁴ 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, 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.

⁵ 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 appendix A.

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.

Table 5-1. **Selected worker characteristics: Mean hourly earnings¹ by occupational group,² National Compensation Survey, Knoxville, TN, May 2001**

Occupational group	Private industry and State and local government					
	Full-time workers ³	Part-time workers ³	Union ⁴	Nonunion ⁴	Time ⁵	Incentive ⁵
	Mean					
All occupations	\$14.54	\$7.74	\$13.58	\$14.30	\$14.20	\$14.41
All excluding sales	14.52	7.64	13.57	14.35	14.38	10.51
White collar	17.39	9.55	15.19	17.10	16.96	17.68
White-collar excluding sales	17.91	11.18	15.22	17.87	17.76	—
Professional specialty and technical	20.99	16.15	15.41	21.33	20.88	—
Professional specialty	22.94	—	—	22.92	22.83	—
Technical	16.51	—	—	16.97	16.40	—
Executive, administrative, and managerial	25.33	—	—	25.32	25.32	—
Sales	14.81	8.04	—	13.89	11.59	18.20
Administrative support, including clerical	11.68	7.56	14.87	11.33	11.53	—
Blue collar	12.89	7.55	13.26	12.60	12.99	10.71
Precision production, craft, and repair	16.20	—	17.31	15.91	16.08	—
Machine operators, assemblers, and inspectors	11.60	—	11.74	11.45	11.73	—
Transportation and material moving	12.36	—	14.57	11.30	13.14	—
Handlers, equipment cleaners, helpers, and laborers	10.74	6.81	12.29	9.83	10.53	—
Service	8.70	5.51	—	8.32	8.30	—
	Relative error ⁶ (percent)					
All occupations	2.6	6.6	5.3	2.9	2.6	15.6
All excluding sales	2.6	8.4	5.3	2.9	2.6	9.4
White collar	3.2	7.6	4.8	3.5	3.4	13.5
White-collar excluding sales	3.2	10.1	4.9	3.3	3.1	—
Professional specialty and technical	2.9	9.2	5.5	2.8	2.8	—
Professional specialty	2.8	—	—	2.8	2.7	—
Technical	5.7	—	—	6.3	5.6	—
Executive, administrative, and managerial	7.4	—	—	7.3	7.3	—
Sales	12.3	7.6	—	12.4	11.1	12.9
Administrative support, including clerical	3.4	3.2	9.3	3.4	3.3	—
Blue collar	3.4	7.8	5.9	4.2	3.1	11.8
Precision production, craft, and repair	4.3	—	4.0	5.0	4.5	—
Machine operators, assemblers, and inspectors	4.4	—	7.3	5.1	4.5	—
Transportation and material moving	8.5	—	13.2	9.7	6.7	—
Handlers, equipment cleaners, helpers, and laborers	5.2	6.2	6.3	5.5	5.1	—
Service	3.6	8.4	—	3.9	4.0	—

¹ 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, 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.

² A classification system including about 480 individual occupations is used to cover all workers in the civilian economy. See appendix B for more information.

³ 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.

⁴ Union workers are those whose wages are determined through collective bargaining.

⁵ Time workers' wages are based solely on an 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.

⁶ 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 appendix A.

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

Table 5-2. Major industry division: Mean hourly earnings¹ by occupational group,² private industry, National Compensation Survey, Knoxville, TN, May 2001

Occupational group	Full-time and part-time workers									
	All private industries	Goods-producing industries ³				Service-producing industries ⁴				
		Total	Mining	Construction	Manufacturing	Total	Transportation and public utilities	Wholesale and retail trade	Finance, insurance, and real estate	Services
	Mean									
All occupations	\$13.58	-	-	-	-	-	-	-	\$10.84	\$12.62
All excluding sales	13.53	-	-	-	-	-	-	-	10.95	12.63
White collar	16.25	-	-	-	-	-	-	-	10.76	15.46
White-collar excluding sales	17.02	-	-	-	-	-	-	-	10.86	15.56
Professional specialty and technical	20.26	-	-	-	-	-	-	-	-	18.49
Professional specialty	22.58	-	-	-	-	-	-	-	-	20.73
Technical	17.01	-	-	-	-	-	-	-	-	14.95
Executive, administrative, and managerial	26.12	-	-	-	-	-	-	-	-	24.43
Sales	13.92	-	-	-	-	-	-	-	-	-
Administrative support, including clerical	11.44	-	-	-	-	-	-	-	9.38	9.88
Blue collar	12.67	-	-	-	-	-	-	-	-	9.70
Precision production, craft, and repair	16.16	-	-	-	-	-	-	-	-	14.44
Machine operators, assemblers, and inspectors	11.58	-	-	-	-	-	-	-	-	-
Transportation and material moving	12.40	-	-	-	-	-	-	-	-	-
Handlers, equipment cleaners, helpers, and laborers	10.43	-	-	-	-	-	-	-	-	8.24
Service	7.36	-	-	-	-	-	-	-	-	7.98
	Relative error ⁵ (percent)									
All occupations	3.2	-	-	-	-	-	-	-	10.3	6.4
All excluding sales	3.1	-	-	-	-	-	-	-	10.8	6.6
White collar	4.2	-	-	-	-	-	-	-	10.1	6.0
White-collar excluding sales	4.1	-	-	-	-	-	-	-	10.7	6.1
Professional specialty and technical	3.6	-	-	-	-	-	-	-	-	5.1
Professional specialty	3.7	-	-	-	-	-	-	-	-	4.8
Technical	5.7	-	-	-	-	-	-	-	-	5.7
Executive, administrative, and managerial	9.9	-	-	-	-	-	-	-	-	13.6
Sales	12.4	-	-	-	-	-	-	-	-	-
Administrative support, including clerical	4.1	-	-	-	-	-	-	-	3.6	3.4
Blue collar	3.7	-	-	-	-	-	-	-	-	6.9
Precision production, craft, and repair	4.9	-	-	-	-	-	-	-	-	5.7
Machine operators, assemblers, and inspectors	4.4	-	-	-	-	-	-	-	-	-
Transportation and material moving	9.0	-	-	-	-	-	-	-	-	-
Handlers, equipment cleaners, helpers, and laborers	5.7	-	-	-	-	-	-	-	-	3.5
Service	4.1	-	-	-	-	-	-	-	-	3.5

¹ 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, 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.

² A classification system including about 480 individual occupations is used to cover all workers in the civilian economy. See appendix B for more information.

³ Goods-producing industries include mining, construction, and manufacturing.

⁴ Service-producing industries include transportation and public utilities; wholesale and retail trade; finance, insurance, and real estate; and services.

⁵ 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 appendix A.

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

Table 5-3. Establishment employment size: Mean hourly earnings¹ by occupational group,² private industry, National Compensation Survey, Knoxville, TN, May 2001

Occupational group	Full-time and part-time workers				
	All private industry workers	50 - 99 workers ³	100 workers or more		
			Total	100 - 499 workers	500 workers or more
Mean					
All occupations	\$13.58	\$11.88	\$14.39	\$13.07	\$17.21
All excluding sales	13.53	11.47	14.44	13.06	17.07
White collar	16.25	15.12	16.64	14.97	18.94
White-collar excluding sales	17.02	16.02	17.26	15.73	18.80
Professional specialty and technical	20.26	17.80	20.65	21.94	20.04
Professional specialty	22.58	21.87	22.66	23.96	21.88
Technical	17.01	15.28	17.46	16.97	17.61
Executive, administrative, and managerial	26.12	30.45	24.48	25.54	23.03
Sales	13.92	13.92	13.92	13.14	-
Administrative support, including clerical	11.44	10.58	11.71	10.40	14.49
Blue collar	12.67	11.33	13.47	13.09	14.85
Precision production, craft, and repair	16.16	13.45	17.71	16.75	19.11
Machine operators, assemblers, and inspectors	11.58	10.45	12.00	12.15	11.57
Transportation and material moving	12.40	10.96	13.85	13.85	-
Handlers, equipment cleaners, helpers, and laborers	10.43	10.53	10.35	10.43	-
Service	7.36	6.27	8.04	7.91	8.68
Relative error ⁴ (percent)					
All occupations	3.2	8.0	3.3	4.2	3.8
All excluding sales	3.1	7.5	3.4	4.6	3.9
White collar	4.2	11.4	4.4	6.6	3.9
White-collar excluding sales	4.1	12.1	4.4	7.6	4.3
Professional specialty and technical	3.6	10.7	3.7	6.7	4.6
Professional specialty	3.7	10.0	3.9	5.5	5.5
Technical	5.7	9.2	6.4	11.1	7.7
Executive, administrative, and managerial	9.9	24.2	8.4	9.0	15.3
Sales	12.4	21.2	12.7	12.4	-
Administrative support, including clerical	4.1	5.5	5.2	3.8	7.3
Blue collar	3.7	6.3	3.9	4.3	8.6
Precision production, craft, and repair	4.9	8.8	5.0	4.9	7.2
Machine operators, assemblers, and inspectors	4.4	10.0	4.5	5.5	6.4
Transportation and material moving	9.0	12.2	9.3	9.3	-
Handlers, equipment cleaners, helpers, and laborers	5.7	10.9	5.8	6.3	-
Service	4.1	8.5	3.3	3.5	5.7

¹ 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, 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.

² A classification system including about 480 individual occupations is used to cover all workers in the civilian economy. See appendix B for more information.

³ Establishments classified with 50-99 workers may contain

establishments with fewer than 50 due to staff reductions between survey sampling and collection.

⁴ 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 appendix A.

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

Table 6-1. Hourly wage percentiles for establishment jobs,¹ all workers:² Selected occupations, all industries, National Compensation Survey, Knoxville, TN, May 2001

Occupation ³	10	25	Median 50	75	90
All	\$7.36	\$8.85	\$12.34	\$17.80	\$23.86
All excluding sales	7.56	9.17	12.35	18.03	23.86
White collar	8.24	10.83	15.30	21.17	28.47
White collar excluding sales	8.75	11.47	16.53	23.15	28.47
Professional specialty and technical	13.29	16.53	20.45	24.36	28.48
Professional specialty	16.53	19.23	22.96	24.64	28.68
Engineers, architects, and surveyors	20.14	20.50	26.75	28.48	34.10
Industrial engineers	20.45	20.45	24.81	25.08	30.58
Engineers, n.e.c.	20.47	26.21	28.48	28.48	30.95
Mathematical and computer scientists	-	-	-	-	-
Natural scientists	-	-	-	-	-
Health related	15.40	16.85	18.39	20.19	20.60
Registered nurses	15.56	16.85	18.39	20.26	20.60
Teachers, college and university	-	-	-	-	-
Teachers, except college and university	19.41	23.15	23.15	24.36	30.84
Elementary school teachers	19.41	23.15	23.15	26.86	36.16
Librarians, archivists, and curators	-	-	-	-	-
Social, recreation, and religious workers	-	-	-	-	-
Writers, authors, entertainers, athletes, and professionals, n.e.c.	-	-	-	-	-
Technical	11.63	12.65	14.46	21.17	25.07
Licensed practical nurses	11.00	11.63	11.93	13.29	13.29
Engineering technicians, n.e.c.	11.63	13.38	21.17	25.07	25.07
Drafters	14.63	15.50	20.13	28.82	29.00
Executive, administrative, and managerial	14.44	15.78	23.38	31.85	38.73
Executives, administrators, and managers	15.00	17.96	27.16	36.27	46.22
Administrators and officials, public administration	34.35	36.27	38.07	38.07	41.83
Personnel and labor relations managers	12.72	12.72	19.81	24.76	31.20
Managers and administrators, n.e.c.	13.27	16.38	31.85	38.73	57.54
Management related	14.44	14.89	16.35	22.22	23.38
Sales	6.64	8.01	12.03	16.17	25.78
Supervisors, sales	7.57	10.87	15.28	40.84	56.66
Sales representatives, mining, manufacturing, and wholesale	12.03	12.03	16.21	18.03	31.32
Sales workers, other commodities	7.13	7.83	8.16	10.07	12.50
Cashiers	6.33	6.52	6.71	7.06	8.72
Administrative support, including clerical	8.00	8.75	10.69	13.12	16.78
Secretaries	8.99	11.22	12.49	13.20	13.45
Bookkeepers, accounting and auditing clerks	8.50	10.20	12.03	16.78	16.78
Dispatchers	8.66	8.66	11.19	15.30	15.49
General office clerks	7.75	9.18	12.49	14.13	14.13
Bank tellers	7.94	7.94	8.24	11.80	11.80
Data entry keyers	8.02	8.02	10.29	10.45	10.83
Teachers' aides	7.64	8.58	8.60	8.82	9.85
Administrative support, n.e.c.	7.93	8.75	8.83	10.32	12.50
Blue collar	8.25	9.24	11.72	15.15	19.23
Precision production, craft, and repair	9.75	12.77	15.92	19.20	24.27
Industrial machinery repairers	13.30	14.10	15.94	20.23	20.61
Mechanics and repairers, n.e.c.	9.93	9.93	9.99	15.92	15.92
Electrical power installers and repairers	12.50	13.11	16.14	16.14	21.72
Supervisors, production	15.93	15.93	16.88	22.15	26.89
Machine operators, assemblers, and inspectors	7.69	9.25	11.48	13.46	14.97
Fabricating machine operators, n.e.c.	9.24	10.59	11.19	13.52	14.06
Miscellaneous machine operators, n.e.c.	8.50	11.71	12.79	13.79	17.80
Assemblers	9.25	10.41	11.03	13.46	13.66
Transportation and material moving	8.80	9.17	11.46	14.45	20.13
Truck drivers	7.56	8.80	9.17	9.17	18.03
Industrial truck and tractor equipment operators ..	10.68	10.68	11.10	12.30	14.45
Handlers, equipment cleaners, helpers, and laborers	7.55	8.28	10.22	11.63	15.03

See footnotes at end of table.

Table 6-1. Hourly wage percentiles for establishment jobs,¹ all workers:² Selected occupations, all industries, National Compensation Survey, Knoxville, TN, May 2001 — Continued

Occupation ³	10	25	Median 50	75	90
Blue collar —Continued					
Handlers, equipment cleaners, helpers, and laborers					
—Continued					
Supervisors, handlers, equipment cleaners, and laborers, n.e.c.	\$7.82	\$11.25	\$13.03	\$20.20	\$21.67
Stock handlers and baggers	7.83	8.30	8.36	11.16	11.43
Freight, stock, and material handlers, n.e.c.	8.40	8.50	11.46	12.90	16.11
Hand packers and packagers	6.90	6.92	10.15	11.63	11.63
Laborers, except construction, n.e.c.	7.30	8.13	8.70	11.71	11.90
Service	2.33	6.80	8.18	9.69	12.42
Protective service	6.68	7.08	11.53	13.69	14.20
Firefighting	9.45	9.45	11.60	13.62	13.62
Police and detectives, public service	13.04	13.91	14.24	15.00	19.14
Food service	2.13	2.13	7.10	8.71	11.25
Waiters, waitresses, and bartenders	2.13	2.13	2.13	2.25	3.81
Waiters and waitresses	2.13	2.13	2.13	2.13	2.64
Other food service	6.38	7.14	8.34	9.50	12.42
Supervisors, food preparation and service	9.00	11.25	12.42	18.75	20.95
Cooks	8.09	8.57	8.72	9.69	10.67
Food preparation, n.e.c.	6.00	6.38	7.16	7.29	8.00
Health service	7.36	8.00	8.36	8.55	9.21
Nursing aides, orderlies and attendants	7.36	8.00	8.36	8.55	9.21
Cleaning and building service	7.19	8.11	8.51	9.48	11.07
Maids and housemen	7.09	7.12	7.19	7.95	8.51
Janitors and cleaners	7.38	8.11	8.18	8.55	10.99
Personal service	5.89	6.50	6.80	8.65	10.06

¹ Percentiles are calculated from average hourly wages for sampled establishment jobs within each occupation. The percentiles describe the distribution of an occupation's employment by the average wage rates for its jobs. For example, at the 10th percentile hourly wage for an occupation, one-tenth of the occupation's employment are found in sampled establishment jobs whose average wages are the same or less, and nine-tenths are in jobs averaging the same or more. The calculations of the 25th, 50th, 75th, and 90th percentiles follow the same logic. Hourly wages are the straight-time wages or salaries paid to employees. They include incentive pay, cost-of-living adjustments, and hazard pay. Excluded are premium pay for overtime, vacations, holidays,

nonproduction bonuses, and tips.

² All workers include full-time and part-time workers.

³ A classification system including about 480 individual occupations is used to cover all workers in the civilian economy. See appendix B for more information.

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.

Table 6-2. Hourly wage percentiles for establishment jobs,¹ all workers:² Selected occupations, private industry, National Compensation Survey, Knoxville, TN, May 2001

Occupation ³	Private industry				
	10	25	Median 50	75	90
All	\$7.13	\$8.72	\$11.72	\$16.39	\$21.65
All excluding sales	7.20	8.78	11.71	16.78	21.65
White collar	8.00	10.25	14.13	20.26	28.47
White collar excluding sales	8.51	10.83	15.11	20.60	28.47
Professional specialty and technical	12.76	15.40	19.41	24.81	28.48
Professional specialty	16.28	18.39	20.47	28.47	28.48
Engineers, architects, and surveyors	20.45	22.00	28.48	28.68	34.10
Industrial engineers	20.45	20.45	24.81	25.08	30.58
Engineers, n.e.c.	20.47	26.21	28.48	28.48	30.95
Mathematical and computer scientists	-	-	-	-	-
Natural scientists	-	-	-	-	-
Health related	15.56	17.04	18.39	20.00	20.60
Registered nurses	15.40	16.85	18.39	20.26	20.60
Teachers, college and university	-	-	-	-	-
Teachers, except college and university	-	-	-	-	-
Social, recreation, and religious workers	-	-	-	-	-
Writers, authors, entertainers, athletes, and professionals, n.e.c.	-	-	-	-	-
Technical	11.63	13.29	15.30	21.17	25.07
Licensed practical nurses	11.00	11.63	11.93	13.29	13.29
Drafters	14.63	15.50	20.13	28.82	29.00
Executive, administrative, and managerial	13.27	15.66	23.55	31.85	46.22
Executives, administrators, and managers	13.27	19.81	27.00	35.89	47.12
Personnel and labor relations managers	12.72	12.72	19.81	24.76	31.20
Managers and administrators, n.e.c.	13.27	16.38	31.85	38.73	57.54
Management related	14.44	14.89	16.35	22.12	25.30
Sales	6.64	8.01	12.12	16.17	25.78
Supervisors, sales	7.57	10.87	15.28	40.84	56.66
Sales representatives, mining, manufacturing, and wholesale	12.03	12.03	16.21	18.03	31.32
Sales workers, other commodities	7.13	7.83	8.16	10.07	12.50
Cashiers	6.33	6.52	6.71	7.06	8.72
Administrative support, including clerical	7.94	8.75	10.45	12.88	17.00
Secretaries	7.00	8.99	11.36	11.36	14.76
Bookkeepers, accounting and auditing clerks	8.50	10.20	12.88	16.78	16.78
Bank tellers	7.94	7.94	8.24	11.80	11.80
Data entry keyers	8.02	8.02	10.29	10.45	10.83
Administrative support, n.e.c.	7.50	8.75	8.83	10.10	12.50
Blue collar	8.00	9.17	11.71	15.03	19.10
Precision production, craft, and repair	9.23	12.77	15.93	19.23	24.27
Industrial machinery repairers	13.30	14.10	15.94	20.23	20.61
Supervisors, production	15.93	15.93	16.88	22.15	26.89
Machine operators, assemblers, and inspectors	7.69	9.25	11.48	13.46	14.97
Fabricating machine operators, n.e.c.	9.24	10.59	11.19	13.52	14.06
Miscellaneous machine operators, n.e.c.	8.50	11.71	12.79	13.79	17.80
Assemblers	9.25	10.41	11.03	13.46	13.66
Transportation and material moving	8.80	9.17	11.46	14.45	20.13
Truck drivers	7.56	8.80	9.17	9.17	18.06
Industrial truck and tractor equipment operators ..	10.68	10.68	11.10	12.30	14.45
Handlers, equipment cleaners, helpers, and laborers	7.30	8.10	10.15	11.50	15.03
Stock handlers and baggers	7.83	8.30	8.36	11.16	11.43
Freight, stock, and material handlers, n.e.c.	8.40	8.50	11.46	12.90	16.11
Hand packers and packagers	6.90	6.92	10.15	11.63	11.63
Service	2.13	6.50	7.29	8.65	10.52
Protective service	-	-	-	-	-
Food service	2.13	2.13	7.09	8.71	11.25
Waiters, waitresses, and bartenders	2.13	2.13	2.13	2.25	3.81

See footnotes at end of table.

Table 6-2. Hourly wage percentiles for establishment jobs,¹ all workers:² Selected occupations, private industry, National Compensation Survey, Knoxville, TN, May 2001 — Continued

Occupation ³	Private industry				
	10	25	Median 50	75	90
Service –Continued					
Food service –Continued					
Waiters, waitresses, and bartenders –Continued					
Waiters and waitresses	\$2.13	\$2.13	\$2.13	\$2.13	\$2.64
Other food service	6.38	7.14	8.19	9.50	12.42
Supervisors, food preparation and service	9.00	11.25	12.42	18.75	20.95
Cooks	8.09	8.57	9.44	10.00	10.67
Food preparation, n.e.c.	6.00	6.38	7.16	7.29	8.00
Health service	7.36	8.00	8.36	8.55	9.21
Nursing aides, orderlies and attendants	7.36	8.00	8.36	8.55	9.21
Cleaning and building service	7.12	7.19	7.95	8.51	10.52
Maids and housemen	7.09	7.12	7.19	7.95	8.51
Janitors and cleaners	7.17	7.38	8.11	10.52	10.99
Personal service	5.89	6.50	6.67	8.04	10.06

¹ Percentiles are calculated from average hourly wages for sampled establishment jobs within each occupation. The percentiles describe the distribution of an occupation's employment by the average wage rates for its jobs. For example, at the 10th percentile hourly wage for an occupation, one-tenth of the occupation's employment are found in sampled establishment jobs whose average wages are the same or less, and nine-tenths are in jobs averaging the same or more. The calculations of the 25th, 50th, 75th, and 90th percentiles follow the same logic. Hourly wages are the straight-time wages or salaries paid to employees. They include incentive pay, cost-of-living adjustments, and hazard pay. Excluded are premium pay for overtime, vacations, holidays,

nonproduction bonuses, and tips.

² All workers include full-time and part-time workers.

³ A classification system including about 480 individual occupations is used to cover all workers in the civilian economy. See appendix B for more information.

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.

Table 6-3. Hourly wage percentiles for establishment jobs,¹ all workers:² Selected occupations, State and local government, National Compensation Survey, Knoxville, TN, May 2001

Occupation ³	State and local government				
	10	25	Median 50	75	90
All	\$8.82	\$11.07	\$14.09	\$22.96	\$24.64
All excluding sales	8.82	11.07	14.16	22.96	24.64
White collar	10.04	13.20	18.24	23.15	29.01
White collar excluding sales	10.12	13.20	18.24	23.38	29.01
Professional specialty and technical	13.31	18.24	23.15	24.36	29.08
Professional specialty	17.29	19.69	23.15	24.36	29.45
Engineers, architects, and surveyors	-	-	-	-	-
Mathematical and computer scientists	-	-	-	-	-
Natural scientists	-	-	-	-	-
Health related	-	-	-	-	-
Teachers, except college and university	21.29	23.15	23.15	24.36	30.84
Elementary school teachers	19.41	23.15	23.15	26.86	36.16
Librarians, archivists, and curators	-	-	-	-	-
Social, recreation, and religious workers	-	-	-	-	-
Technical	-	-	-	-	-
Executive, administrative, and managerial	15.78	17.39	20.83	32.01	38.07
Executives, administrators, and managers	17.96	17.96	32.01	38.07	41.83
Administrators and officials, public administration	34.35	36.27	38.07	38.07	41.83
Management related	13.28	15.78	17.39	23.38	23.38
Sales	-	-	-	-	-
Administrative support, including clerical	8.58	9.18	12.03	13.20	15.00
Secretaries	11.22	11.22	12.49	13.20	13.45
General office clerks	9.18	10.04	10.47	13.25	16.41
Teachers' aides	7.64	8.58	8.60	8.82	9.85
Blue collar	9.75	9.95	13.03	16.97	21.72
Precision production, craft, and repair	9.93	12.12	15.23	18.67	24.80
Electrical power installers and repairers	12.50	13.11	16.14	16.14	21.72
Transportation and material moving	9.95	9.95	11.11	11.97	14.99
Handlers, equipment cleaners, helpers, and laborers	8.70	9.36	11.25	11.90	13.26
Service	8.18	8.72	10.31	12.82	13.91
Protective service	10.31	11.53	12.82	13.69	14.24
Firefighting	9.45	9.45	11.60	13.62	13.62
Police and detectives, public service	13.04	13.91	14.24	15.00	19.14
Food service	-	-	-	-	-
Other food service	-	-	-	-	-
Cleaning and building service	8.18	8.18	9.48	9.48	11.07
Janitors and cleaners	8.18	8.18	8.18	8.18	8.55
Personal service	-	-	-	-	-

¹ Percentiles are calculated from average hourly wages for sampled establishment jobs within each occupation. The percentiles describe the distribution of an occupation's employment by the average wage rates for its jobs. For example, at the 10th percentile hourly wage for an occupation, one-tenth of the occupation's employment are found in sampled establishment jobs whose average wages are the same or less, and nine-tenths are in jobs averaging the same or more. The calculations of the 25th, 50th, 75th, and 90th percentiles follow the same logic. Hourly wages are the straight-time wages or salaries paid to employees. They include incentive pay, cost-of-living adjustments, and hazard pay. Excluded are premium pay for overtime, vacations, holidays,

nonproduction bonuses, and tips.

² All workers include full-time and part-time workers.

³ A classification system including about 480 individual occupations is used to cover all workers in the civilian economy. See appendix B for more information.

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.

Table 6-4. Hourly wage percentiles for establishment jobs,¹ full-time workers:² Selected occupations, all industries, National Compensation Survey, Knoxville, TN, May 2001

Occupation ³	10	25	Median 50	75	90
All	\$7.75	\$9.17	\$12.59	\$17.96	\$24.27
All excluding sales	7.94	9.23	12.59	18.17	24.27
White collar	8.58	11.22	15.75	22.00	28.47
White collar excluding sales	8.82	11.63	16.59	23.15	28.47
Professional specialty and technical	13.31	16.53	20.47	24.36	28.48
Professional specialty	16.81	19.23	23.15	24.64	28.68
Engineers, architects, and surveyors	20.14	20.50	26.75	28.48	34.10
Industrial engineers	20.45	20.45	24.81	25.08	30.58
Engineers, n.e.c.	20.47	26.21	28.48	28.48	30.95
Mathematical and computer scientists	-	-	-	-	-
Natural scientists	-	-	-	-	-
Health related	15.40	16.85	18.17	20.26	20.60
Registered nurses	15.40	16.85	18.39	20.26	20.60
Teachers, college and university	-	-	-	-	-
Teachers, except college and university	19.41	23.15	23.15	24.36	30.84
Elementary school teachers	19.41	23.15	23.15	26.86	36.16
Librarians, archivists, and curators	-	-	-	-	-
Social, recreation, and religious workers	-	-	-	-	-
Writers, authors, entertainers, athletes, and professionals, n.e.c.	-	-	-	-	-
Technical	11.63	12.76	14.46	21.17	25.07
Engineering technicians, n.e.c.	11.63	13.38	21.17	25.07	25.07
Drafters	14.63	15.50	20.13	28.82	29.00
Executive, administrative, and managerial	14.44	15.78	23.38	31.85	38.73
Executives, administrators, and managers	15.00	17.96	27.16	36.27	46.22
Administrators and officials, public administration	34.35	36.27	38.07	38.07	41.83
Personnel and labor relations managers	12.72	12.72	19.81	24.76	31.20
Managers and administrators, n.e.c.	13.27	16.38	31.85	38.73	57.54
Management related	14.44	14.89	16.35	22.22	23.38
Sales	7.04	8.50	12.38	16.17	31.32
Supervisors, sales	7.57	10.87	15.28	40.84	56.66
Sales representatives, mining, manufacturing, and wholesale	12.03	12.03	16.21	18.03	31.32
Cashiers	6.45	6.52	6.75	7.04	10.57
Administrative support, including clerical	8.02	8.82	10.84	13.20	16.78
Secretaries	10.64	11.22	12.49	13.20	13.45
Bookkeepers, accounting and auditing clerks	8.50	10.20	12.03	16.78	16.78
Dispatchers	8.66	8.66	11.19	15.30	15.49
General office clerks	7.75	9.18	12.49	14.13	14.13
Bank tellers	7.94	7.94	8.24	11.80	11.80
Data entry keyers	8.02	8.02	10.29	10.45	10.83
Teachers' aides	7.64	8.58	8.82	8.82	9.85
Administrative support, n.e.c.	7.50	8.75	8.83	10.32	12.50
Blue collar	8.30	9.25	11.73	15.48	19.76
Precision production, craft, and repair	9.93	12.77	15.93	19.23	24.27
Industrial machinery repairers	13.30	14.10	15.94	20.23	20.61
Mechanics and repairers, n.e.c.	9.93	9.93	9.99	15.92	15.92
Electrical power installers and repairers	12.50	13.11	16.14	16.14	21.72
Supervisors, production	15.93	15.93	16.88	22.15	26.89
Machine operators, assemblers, and inspectors	7.69	9.25	11.48	13.46	14.97
Fabricating machine operators, n.e.c.	9.24	10.59	11.19	13.52	14.06
Miscellaneous machine operators, n.e.c.	8.50	11.71	12.79	13.79	17.80
Assemblers	9.25	10.41	11.03	13.46	13.66
Transportation and material moving	8.80	9.17	11.46	14.45	20.13
Truck drivers	7.56	8.80	9.17	9.17	18.03
Industrial truck and tractor equipment operators ..	10.68	10.68	11.10	12.30	14.45
Handlers, equipment cleaners, helpers, and laborers	7.65	8.36	10.75	11.63	15.03
Supervisors, handlers, equipment cleaners, and laborers, n.e.c.	7.82	11.25	13.03	20.20	21.67
Stock handlers and baggers	8.30	8.30	9.04	11.16	11.43

See footnotes at end of table.

Table 6-4. Hourly wage percentiles for establishment jobs,¹ full-time workers:² Selected occupations, all industries, National Compensation Survey, Knoxville, TN, May 2001 — Continued

Occupation ³	10	25	Median 50	75	90
Blue collar —Continued					
Handlers, equipment cleaners, helpers, and laborers —Continued					
Laborers, except construction, n.e.c.	\$8.13	\$8.70	\$9.36	\$11.71	\$11.90
Service	6.00	7.17	8.36	10.06	12.82
Protective service	6.68	7.35	11.53	13.69	14.20
Firefighting	9.45	9.45	11.60	13.62	13.62
Police and detectives, public service	13.04	13.91	14.24	15.00	19.14
Food service	2.13	2.33	7.29	9.00	11.50
Waiters, waitresses, and bartenders	2.13	2.13	2.13	2.13	2.33
Waiters and waitresses	2.13	2.13	2.13	2.13	2.33
Other food service	6.38	7.16	8.57	9.69	12.42
Supervisors, food preparation and service	9.00	11.25	12.42	18.75	20.95
Cooks	8.34	8.57	8.72	10.00	10.67
Food preparation, n.e.c.	6.00	6.38	7.16	7.29	8.00
Health service	7.36	8.00	8.36	8.55	9.21
Nursing aides, orderlies and attendants	7.36	8.00	8.36	8.55	9.21
Cleaning and building service	7.19	8.11	8.51	9.48	11.07
Maids and housemen	7.09	7.12	7.19	7.95	8.51
Janitors and cleaners	7.38	8.11	8.18	8.55	10.99
Personal service	5.89	6.50	7.61	8.65	10.06

¹ Percentiles are calculated from average hourly wages for sampled establishment jobs within each occupation. The percentiles describe the distribution of an occupation's employment by the average wage rates for its jobs. For example, at the 10th percentile hourly wage for an occupation, one-tenth of the occupation's employment are found in sampled establishment jobs whose average wages are the same or less, and nine-tenths are in jobs averaging the same or more. The calculations of the 25th, 50th, 75th, and 90th percentiles follow the same logic. Hourly wages are the straight-time wages or salaries paid to employees. They include incentive pay, cost-of-living adjustments, and hazard pay. Excluded are premium pay for overtime, vacations, holidays, nonproduction bonuses, and tips.

² 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.

³ A classification system including about 480 individual occupations is used to cover all workers in the civilian economy. See appendix B for more information.

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.

Table 6-5. Hourly wage percentiles for establishment jobs,¹ part-time workers:² Selected occupations, all industries, National Compensation Survey, Knoxville, TN, May 2001

Occupation ³	10	25	Median 50	75	90
All	\$2.33	\$6.16	\$7.08	\$8.31	\$12.50
All excluding sales	2.13	5.98	7.05	8.00	12.34
White collar	6.33	7.06	7.83	10.07	18.75
White collar excluding sales	7.25	7.25	8.50	16.28	19.41
Professional specialty and technical	11.63	11.63	18.75	19.41	19.84
Professional specialty	-	-	-	-	-
Engineers, architects, and surveyors	-	-	-	-	-
Health related	-	-	-	-	-
Teachers, except college and university	-	-	-	-	-
Librarians, archivists, and curators	-	-	-	-	-
Social, recreation, and religious workers	-	-	-	-	-
Technical	-	-	-	-	-
Executive, administrative, and managerial	-	-	-	-	-
Executives, administrators, and managers	-	-	-	-	-
Management related	-	-	-	-	-
Sales	6.15	6.64	7.63	8.72	12.50
Sales workers, other commodities	7.13	7.63	7.83	12.50	12.50
Cashiers	6.15	6.33	6.64	7.06	8.72
Administrative support, including clerical	5.85	7.25	7.25	8.50	8.92
Blue collar	6.16	6.16	7.05	8.00	9.50
Precision production, craft, and repair	-	-	-	-	-
Machine operators, assemblers, and inspectors	-	-	-	-	-
Transportation and material moving	-	-	-	-	-
Handlers, equipment cleaners, helpers, and laborers	6.16	6.16	6.16	7.83	8.00
Service	2.13	2.33	6.25	6.88	7.50
Protective service	-	-	-	-	-
Food service	2.13	2.13	4.64	6.88	7.21
Waiters, waitresses, and bartenders	2.13	2.13	2.13	2.64	5.50
Waiters and waitresses	2.13	2.13	2.13	2.33	2.64
Other food service	5.98	6.88	7.09	7.21	9.35
Cleaning and building service	-	-	-	-	-
Personal service	-	-	-	-	-

¹ Percentiles are calculated from average hourly wages for sampled establishment jobs within each occupation. The percentiles describe the distribution of an occupation's employment by the average wage rates for its jobs. For example, at the 10th percentile hourly wage for an occupation, one-tenth of the occupation's employment are found in sampled establishment jobs whose average wages are the same or less, and nine-tenths are in jobs averaging the same or more. The calculations of the 25th, 50th, 75th, and 90th percentiles follow the same logic. Hourly wages are the straight-time wages or salaries paid to employees. They include incentive pay, cost-of-living adjustments, and hazard pay. Excluded are premium pay for overtime, vacations, holidays, nonproduction bonuses, and tips.

² 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.

³ A classification system including about 480 individual occupations is used to cover all workers in the civilian economy. See appendix B for more information.

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.

Appendix A: Technical Note

This section provides basic information on the procedures and concepts used to produce the data contained in this bulletin. It is divided into three parts: Planning for the survey; data collection; and processing and analyzing the data. Although this section answers some questions commonly asked by data users, it is not a comprehensive description of all the steps required to produce the data.

Planning for the survey

The overall design of the survey includes questions of scope, frame, and sample selection.

Survey scope

This survey covered establishments employing 50 workers or more in goods-producing industries (mining, construction and manufacturing); service-producing industries (transportation, communications, electric, gas, and sanitary services; wholesale trade; retail trade; finance, insurance, and real estate; and services industries); and State and local governments. Agriculture, private households, and the Federal Government were excluded from the scope of the survey. 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.

The Knoxville, TN, Metropolitan Statistical Area includes Anderson, Blount, Knox, Loudon, Sevier, and Union Counties.

Sampling frame

The list of establishments from which the survey sample was selected (sampling frame) was developed from State unemployment insurance reports. 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 sampling frame was reviewed prior to the survey and, when necessary, missing establishments were added, out-of-business and out-of-scope establishments were removed, and addresses, employment levels, industry classification, and other information were updated.

Sample design

The sample for this survey area was selected using a two-stage stratified design with probability proportional to em-

ployment sampling at each stage. The first stage of sample selection was a probability sample of establishments. The sample of establishments was drawn by first stratifying the sampling frame by industry and ownership. The number of sample establishments allocated to each stratum is approximately proportional to the stratum employment. Each sampled establishment is 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 it represents similar units (by industry and employment size) in the economy that were not selected for collection. The second stage of sample selection, detailed below, was a probability sample of occupations within a sampled establishment.

Data collection

The collection of data from survey respondents required detailed procedures. Field economists collected the data, working out of the Regional Office and visiting each establishment surveyed. Other contact methods, such as mail and telephone, were used to follow-up and update data.

Occupational selection and classification

Identification of the occupations for which wage data were to be collected was a multistep 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-time v. part-time, union v. nonunion, and time v. 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 its chance of selection.

The number of jobs for which data were collected in each establishment was based on the establishment's employment size, as shown in the following schedule:

<i>Number of employees</i>	<i>Number of selected jobs</i>
50–99	8
100–249	10
250–999	12
1,000–2,499	16
2,500+	20

The second step of the process entailed classifying the selected jobs into occupations based on their duties. The National Compensation Survey occupational classification system is based on the 1990 Census of Population. A selected job may fall into any one 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). Occupations can fall into any of the following MOGs:

- Professional specialty and technical
- Executive, administrative, and managerial
- Sales
- Administrative support, including clerical
- Precision production, craft, and repair
- Machine operators, assemblers, and inspectors
- Transportation and material moving
- Handlers, equipment cleaners, helpers, and laborers
- Service occupations

Appendix B contains a complete list of all individual occupations, classified by the MOG to which they belong.

In step three, certain other job characteristics of the chosen worker were identified. First, the worker was identified as holding either a full-time or part-time job, based on the establishment's definition of those terms. Then, the worker was classified as having a time versus 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. Finally, the worker was identified as being in a union job or a nonunion job. See the "Definition of terms" section on the following page for more detail.

Occupational leveling

In the last step before wage data were collected, the work level of each selected job was determined using an "occupational leveling" process. Occupational leveling ranks

and compares all occupations randomly selected in an establishment using the same criteria.

For this survey, the level of each occupation in an establishment was determined by an analysis of each of 10 leveling factors. Nine of these factors are drawn from the U.S. Government Office of Personnel Management's Factor Evaluation System, which is the underlying structure for evaluation of General Schedule Federal employees. The tenth factor, supervisory duties, attempts to account for the effect of supervisory duties. It is considered experimental. The 10 factors are:

- Knowledge
- Supervision received
- Guidelines
- Complexity
- Scope and effect
- Personal contacts
- Purpose of contacts
- Physical demands
- Work environment
- Supervisory duties

Each factor contains a number of levels, and each level has an associated written description and point value. The number and range of points differ among the factors. For each factor, an occupation was assigned a level based on the written description that best matched the job. Within each occupation, the points for nine factors (supervisory duties was excluded) were recorded and totaled. The total determines the overall level of the occupation. A description of the levels for each factor is shown in appendix C.

Tabulations of levels of work for occupations in the survey follow the Federal Government's white-collar General Schedule. Point ranges for each of the 15 levels are shown in appendix D. It also includes an example of a job with its associated leveling factors, and a guide to help data users evaluate jobs in their firms

Wage data collected in prior surveys using the new occupational leveling method were evaluated by BLS researchers using regression techniques. For each of the major occupational groups, wages were compared to the 10 occupational leveling factors (and levels within those factors). The analysis showed that several of the occupational leveling factors, most notably knowledge and supervision received, had strong explanatory power for wages. That is, as the levels within a given factor increased, the wages also increased. For additional information on occupational leveling, see Brooks Pierce, "Using the National Compensation Survey to Predict Wage Rates," *Compensation and Working Conditions*, Winter 1999, pp. 8–16.

Collection period

Survey data were collected over a 13-month period for 60 metropolitan areas in the NCS program. For 20 small metropolitan areas, data were collected over a 4-month period. For each establishment in the survey, the data reflect the establishment's most recent information at the time of col-

lection. The payroll reference month shown in the tables reflects the average date of this information for all sample units.

Earnings

Earnings were defined as regular payments from the employer to the employee as compensation for straight-time hourly work, or for any salaried work performed. The following components were included as part of earnings:

- Incentive pay, including commissions, production bonuses, and piece rates
- Cost-of-living allowances
- Hazard pay
- Payments of income deferred due to participation in a salary reduction plan
- Deadhead pay, defined as pay given to transportation workers returning in a vehicle without freight or passengers

The following forms of payments were *not* considered part of straight-time earnings:

- Shift differentials, defined as extra payment for working a schedule that varies from the norm, such as night or weekend work
- Premium pay for overtime, holidays, and weekends
- Bonuses not directly tied to production (such as Christmas and profit-sharing bonuses)
- Uniform and tool allowances
- Free room and board
- Payments made by third parties (for example, bonuses given by manufacturers to department store salespeople, referral incentives in real estate)
- On-call pay

To calculate earnings for various periods (hourly, weekly, and annual), data on work schedules also were collected. For hourly workers, scheduled hours worked per day and per week, exclusive of overtime, were recorded. Annual weeks worked were determined. Because salaried workers, exempt from overtime provisions, often work beyond the assigned work schedule, their typical number of hours actually worked was collected.

Definition of terms

Full-time worker. Any employee that the employer considers to be full time.

Incentive worker. Any employee whose earnings are tied, at least in part, to commissions, piece rates, production bonuses, or other incentives based on production or sales.

Level. A ranking of an occupation based on the requirements of the position. (See the description in the technical note on occupational leveling through point factor analysis for more details on the leveling process.)

Nonunion worker. An employee in an occupation not meeting the conditions for union coverage. (See below.)

Part-time worker. Any employee that the employer considers to be part time.

Straight-time. Time worked at the standard rate of pay for the job.

Time-based worker. Any employee whose earnings are tied to an hourly rate or salary, and not to a specific level of production.

Union worker. Any employee is in a union occupation when all of the following conditions are met:

- A labor organization is recognized as the bargaining agent for all workers in the occupation
- Wage and salary rates are determined through collective bargaining or negotiations
- Settlement terms, which must include earnings provisions and may include benefit provisions, are embodied in a signed, mutually binding collective bargaining agreement

Processing and analyzing the data

Data were processed and analyzed at the Bureau's National Office following collection.

Weighting and nonresponse

Sample weights were calculated for each establishment and occupation in the survey. These weights reflected the relative size of the occupation within the establishment and of the establishment within the sample universe. Weights were used to aggregate data for the individual establishments or occupations into the various data series. Some of the establishments surveyed could not supply or refused to supply information. If data were not provided by a sample member, the weights of responding sample members in the same or similar "cells" were adjusted to account for the missing data. This technique assumes that the mean value of data for the nonrespondents equals the mean value of data for the respondents at some detailed "cell" level. Responding and nonresponding establishments were classified into these cells according to industry and employment size. Responding and nonresponding occupations within responding establishments were classified into cells that were additionally defined by major occupation group and job level.

Establishments that were determined to be out of business or outside the scope of the survey had their weights changed to zero. If only partial data were given by a sample establishment or occupation, or data were missing, the response was treated as a refusal.

Survey response

	<i>Establishments</i>
Total in sampling frame	950
Total in sample	267
Responding	147
Out of business or not in survey scope	25
Unable or refused to provide data	95

In this survey, the nonresponse rate for all industries, private industry, and State and local government exceeded regular survey standards.

Estimation

The wage series in the tables are computed by combining the wages for each sampled occupation. Before being combined, individual wage rates are weighted by: the number of workers; the sample weight, adjusted for nonresponding establishments and other factors; and the occupation's scheduled hours of work.

Not all calculated series met the criteria for publication. Before any series was published, it was reviewed to make sure that the number of observations underlying it was sufficient. This review prevented the publication of a series that could have revealed information about a specific establishment.

Estimates of the number of workers represent the total in all establishments within the scope of the study, and not the number actually surveyed. Because occupational structures among establishments differ, estimates of the number of workers obtained from the sample of establishments serve to indicate only the relative importance of the occupational groups studied.

Percentiles

The percentiles presented in tables 6-1 through 6-5 are computed using average hourly wages for sampled establishment jobs within each occupation. During this phase of the ongoing NCS development, establishments in the survey may report either individual-worker earnings or average wage rates for each sampled job. If individual-worker earnings are provided, an average hourly wage rate is computed for the job and used in the calculation of percentile estimates. The average hourly wages for each sampled job are appropriately weighted and then arrayed from lowest to highest.

The published 10th, 25th, 50th, 75th, and 90th percentiles describe the distribution of an occupation's employment by the average wage rates for its jobs. For example, at the 10th percentile, 10 percent of a published occupation's employment is in sampled establishment jobs that

had average hourly wages at the 10th percentile or less for that occupation.

Note that the percentiles in earlier NCS bulletins for this area (in the 3090 and 3095 bulletin series) were calculated from individual-worker earnings rather than from average wages for sampled establishment jobs. Research has shown that using average-wage data for jobs instead of individual-worker data has the effect of moving percentile estimates toward the median (50th percentile). This effect is greatest for occupations with a high degree of wage dispersion. However, medians calculated using the two methods are nearly identical.

Data reliability

The data in this bulletin 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 each other.

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. RSE data are provided alongside the earnings data in the bulletin tables.

The standard error can be used to calculate a "confidence interval" around a sample estimate. As an example, suppose a table shows that mean hourly earnings for all workers were \$12.79, with a relative standard error of 3.6 percent for this estimate. At the 90-percent level, the confidence interval for the estimate is \$13.55 to \$12.03 (1.645 times 3.6 percent times \$12.79 = \$0.76, plus or minus \$12.79). 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. A Technical Reinterview Program done in all survey areas will be used in the development of a formal quality assessment process to help compute nonsampling error. Although they were not specifically measured, the nonsampling errors were expected to be minimal due to the extensive training of the field economists who gathered the survey data by personal visit, computer edits of the data, and detailed data review.

Appendix table 1. **Number of workers¹ represented by the survey, by occupational group,² National Compensation Survey, Knoxville, TN, May 2001**

Occupational group	Full-time and part-time workers		
	Total	Private industry	State and local government
All occupations	132,600	103,400	29,200
All excluding sales	119,800	90,600	29,200
White collar	68,800	49,100	19,700
White-collar excluding sales	56,000	36,300	19,600
Professional specialty and technical	27,800	16,200	11,600
Professional specialty	20,000	9,600	10,500
Technical	7,700	6,600	—
Executive, administrative, and managerial	6,500	4,000	2,500
Sales	12,800	12,700	—
Administrative support, including clerical	21,700	16,200	5,500
Blue collar	40,500	36,800	3,700
Precision production, craft, and repair	11,200	9,000	2,200
Machine operators, assemblers, and inspectors	12,900	12,900	—
Transportation and material moving	8,500	7,900	600
Handlers, equipment cleaners, helpers, and laborers	7,800	6,900	900
Service	23,300	17,500	5,900

¹ The 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 to other statistical series to measure employment trends or levels. Both full-time and part-time workers were included in the survey.

² A classification system including about 480 individual occupations is used to cover all workers in the civilian economy. See appendix B for more information.

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