

# Cincinnati–Hamilton, OH–KY–IN National Compensation Survey November 1999

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U.S. Department of Labor  
Alexis M. Herman, Secretary

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Katharine G. Abraham, Commissioner

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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](mailto: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 Cincinnati–Hamilton, OH–KY–IN, metropolitan area. 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 generic 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), as explained in Appendix A. 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; these estimates also are limited to 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 employment scope of this survey. The occupation employment estimates relate to all employers in the area, rather than just to those surveyed. Appendix table 2 presents the number of establishments studied by industry group and employment size. The median work levels for published occupations are presented in appendix table 3.

Table 1-1. Summary: Mean hourly earnings<sup>1</sup> and weekly hours by selected characteristics, private industry and State and local government, National Compensation Survey, Cincinnati-Hamilton, OH-KY-IN, November 1999

Worker and establishment characteristics	Total			Private industry			State and local government		
	Hourly earnings		Mean weekly hours <sup>3</sup>	Hourly earnings		Mean weekly hours <sup>3</sup>	Hourly earnings		Mean weekly hours <sup>3</sup>
	Mean	Relative error <sup>2</sup> (percent)		Mean	Relative error <sup>2</sup> (percent)		Mean	Relative error <sup>2</sup> (percent)	
<b>Total</b> .....	\$16.04	2.4	36.9	\$15.36	3.0	36.9	\$19.67	2.3	37.0
<b>Worker characteristics:<sup>4</sup></b>									
White-collar occupations <sup>5</sup> .....	19.33	3.2	37.1	18.59	4.1	37.3	22.50	3.1	36.4
Professional specialty and technical .....	24.00	3.6	37.4	23.07	5.1	38.1	26.43	3.4	35.8
Executive, administrative, and managerial .....	27.11	3.2	39.4	27.22	3.4	39.8	26.52	7.9	37.7
Sales .....	11.46	10.2	32.8	11.42	10.3	32.8	-	-	-
Administrative support .....	12.20	2.4	37.0	12.18	2.8	37.0	12.30	2.2	37.2
Blue-collar occupations <sup>5</sup> .....	13.96	2.1	38.7	13.84	2.2	38.8	15.81	3.4	36.5
Precision production, craft, and repair .....	18.11	2.2	40.0	18.17	2.4	40.1	17.59	3.3	39.9
Machine operators, assemblers, and inspectors .....	13.42	2.6	39.8	13.43	2.6	39.8	-	-	-
Transportation and material moving .....	13.86	5.5	36.5	13.79	6.2	37.5	14.47	3.1	29.8
Handlers, equipment cleaners, helpers, and laborers .....	10.56	3.4	37.6	10.38	3.4	37.5	14.23	6.8	40.0
Service occupations <sup>5</sup> .....	10.16	4.6	33.1	8.26	3.7	31.5	15.35	5.3	38.4
Full time .....	16.70	2.4	39.6	16.01	2.9	39.8	20.19	2.5	38.9
Part time .....	9.56	8.6	21.8	9.24	9.9	21.9	12.12	6.8	21.4
Union .....	17.70	2.9	38.0	16.03	4.2	37.7	20.50	3.2	38.6
Nonunion .....	15.52	3.2	36.5	15.21	3.6	36.7	18.60	4.7	35.1
Time .....	15.96	2.5	36.8	15.25	3.0	36.8	19.67	2.3	37.0
Incentive .....	24.55	14.1	40.7	24.55	14.1	40.7	-	-	-
<b>Establishment characteristics:</b>									
Goods producing .....	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	17.42	2.6	39.9	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )
Service producing .....	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	-	-	-	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )
50-99 workers <sup>7</sup> .....	12.05	6.3	34.8	11.84	6.4	34.7	20.40	15.6	38.6
100-499 workers .....	14.89	4.1	36.8	14.40	4.5	36.9	19.81	5.7	36.0
500 workers or more .....	18.89	3.1	37.9	18.62	4.2	38.2	19.60	2.9	37.2

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

<sup>2</sup> 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.

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

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

based on productivity payments such as piece rates, commissions, and production bonuses.

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

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

<sup>7</sup> 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. IN THIS SURVEY, THE NONRESPONSE RATE FOR ALL INDUSTRIES AND PRIVATE INDUSTRY EXCEEDED REGULAR SURVEY STANDARDS FOR PUBLICATION. ACCORDINGLY, USERS SHOULD INTERPRET THESE RESULTS WITH THIS LIMITATION IN MIND.

Table 2-1. Mean hourly earnings<sup>1</sup>, all workers:<sup>2</sup> Selected occupations, private industry and State and local government, National Compensation Survey, Cincinnati-Hamilton, OH-KY-IN, November 1999

Occupation <sup>3</sup>	Total		Private industry		State and local government	
	Mean	Relative error <sup>4</sup> (percent)	Mean	Relative error <sup>4</sup> (percent)	Mean	Relative error <sup>4</sup> (percent)
<b>All</b> .....	\$16.04	2.4	\$15.36	3.0	\$19.67	2.3
All excluding sales .....	16.27	2.4	15.59	3.0	19.69	2.3
<b>White collar</b> .....	19.33	3.2	18.59	4.1	22.50	3.1
White collar excluding sales .....	20.16	3.0	19.54	3.9	22.54	3.1
<b>Professional specialty and technical</b> .....	24.00	3.6	23.07	5.1	26.43	3.4
Professional specialty .....	25.89	3.7	25.07	5.4	27.68	3.3
Engineers, architects, and surveyors .....	26.48	3.4	27.08	3.2	—	—
Industrial engineers .....	28.88	6.1	28.88	6.1	—	—
Mechanical engineers .....	24.26	2.3	24.28	3.3	—	—
Mathematical and computer scientists .....	30.75	7.7	30.75	7.7	—	—
Computer systems analysts and scientists .....	31.88	6.3	31.88	6.3	—	—
Operations and systems researchers and analysts .....	25.89	23.2	25.89	23.2	—	—
Natural scientists .....	27.33	9.1	27.33	9.1	—	—
Health related .....	21.27	2.7	20.89	2.7	22.70	6.9
Registered nurses .....	20.71	1.5	20.41	1.3	22.37	6.3
Teachers, college and university .....	46.56	4.8	47.03	4.4	45.17	12.5
Teachers, except college and university .....	28.30	2.9	18.69	8.5	29.80	2.3
Elementary school teachers .....	29.89	2.7	—	—	30.28	2.7
Secondary school teachers .....	30.47	3.2	—	—	31.73	2.6
Teachers, n.e.c. ....	28.78	6.3	—	—	—	—
Librarians, archivists, and curators .....	20.66	13.5	—	—	21.18	16.3
Librarians .....	21.18	16.3	—	—	21.18	16.3
Social scientists and urban planners .....	—	—	—	—	—	—
Social, recreation, and religious workers .....	14.81	5.8	14.59	6.5	16.67	5.4
Social workers .....	15.54	3.8	15.45	4.0	16.46	7.8
Lawyers and judges .....	—	—	—	—	—	—
Writers, authors, entertainers, athletes, and professionals, n.e.c. ....	18.43	7.0	19.06	6.9	—	—
Designers .....	19.08	11.3	—	—	—	—
<b>Technical</b> .....	17.95	7.4	17.89	8.7	18.30	6.9
Radiological technicians .....	16.90	4.3	16.94	4.8	—	—
Licensed practical nurses .....	14.23	3.1	14.08	3.6	—	—
Health technologists and technicians, n.e.c. ....	12.30	9.2	11.50	6.1	—	—
Electrical and electronic technicians .....	17.58	6.8	16.79	7.5	—	—
Engineering technicians, n.e.c. ....	20.73	4.4	—	—	—	—
Technical and related, n.e.c. ....	17.59	6.3	17.74	6.7	—	—
<b>Executive, administrative, and managerial</b> .....	27.11	3.2	27.22	3.4	26.52	7.9
Executives, administrators, and managers .....	29.92	3.8	29.96	4.2	29.76	8.5
Administrators and officials, public administration .....	27.78	6.3	—	—	28.44	7.5
Financial managers .....	29.99	11.0	—	—	—	—
Managers, marketing, advertising, and public relations .....	33.74	11.2	33.74	11.2	—	—
Administrators, education and related fields .....	29.91	13.3	21.39	12.8	31.99	15.7
Managers, service organizations, n.e.c. ....	20.70	18.0	20.58	19.0	—	—
Managers and administrators, n.e.c. ....	33.20	4.3	33.37	4.4	—	—
Management related .....	22.89	5.9	23.51	6.0	17.64	8.1
Accountants and auditors .....	20.22	5.7	21.12	4.6	—	—
Personnel, training, and labor relations specialists .....	26.57	12.8	26.64	12.8	—	—
Purchasing agents and buyers, n.e.c. ....	24.04	5.1	24.30	5.4	—	—
Management related, n.e.c. ....	23.74	19.2	24.80	20.7	—	—
<b>Sales</b> .....	11.46	10.2	11.42	10.3	—	—
Supervisors, sales .....	14.68	7.8	14.68	7.8	—	—
Sales representatives, mining, manufacturing, and wholesale .....	25.06	20.8	25.06	20.8	—	—
Cashiers .....	7.23	3.6	7.25	3.7	—	—
Sales support, n.e.c. ....	8.36	12.5	7.88	10.3	—	—
<b>Administrative support, including clerical</b> .....	12.20	2.4	12.18	2.8	12.30	2.2
Supervisors, general office .....	20.96	10.4	20.96	10.4	—	—
Secretaries .....	13.06	3.2	13.26	4.6	12.68	2.9

See footnotes at end of table.

Table 2-1. Mean hourly earnings<sup>1</sup>, all workers:<sup>2</sup> Selected occupations, private industry and State and local government, National Compensation Survey, Cincinnati-Hamilton, OH-KY-IN, November 1999 — Continued

Occupation <sup>3</sup>	Total		Private industry		State and local government	
	Mean	Relative error <sup>4</sup> (percent)	Mean	Relative error <sup>4</sup> (percent)	Mean	Relative error <sup>4</sup> (percent)
<b>White collar</b> —Continued						
<b>Administrative support, including clerical</b> —Continued						
Receptionists .....	\$9.75	2.9	\$9.75	2.9	—	—
Information clerks, n.e.c. ....	9.93	11.0	9.93	11.0	—	—
Order clerks .....	11.63	9.7	11.63	9.9	—	—
Library clerks .....	10.07	6.6	—	—	\$10.07	6.6
File clerks .....	8.75	5.5	8.74	5.6	—	—
Records clerks, n.e.c. ....	12.51	4.1	11.89	5.8	—	—
Bookkeepers, accounting and auditing clerks .....	12.06	4.5	11.96	5.0	—	—
Billing clerks .....	12.09	6.1	12.09	6.1	—	—
Mail clerks, except postal service .....	9.23	8.5	9.25	9.1	—	—
Dispatchers .....	14.25	8.3	—	—	—	—
Production coordinators .....	17.23	5.0	17.23	5.0	—	—
Traffic, shipping and receiving clerks .....	12.35	5.3	12.35	5.3	—	—
Stock and inventory clerks .....	10.82	5.7	10.63	5.4	—	—
Investigators and adjusters, except insurance .....	13.79	8.8	13.79	8.8	—	—
General office clerks .....	10.42	5.5	9.79	6.0	12.31	4.0
Data entry keyers .....	10.20	6.2	10.14	6.7	—	—
Teachers' aides .....	9.78	14.7	—	—	—	—
Administrative support, n.e.c. ....	11.34	4.0	11.34	4.4	11.34	8.7
<b>Blue collar</b> .....	13.96	2.1	13.84	2.2	15.81	3.4
<b>Precision production, craft, and repair</b> .....	18.11	2.2	18.17	2.4	17.59	3.3
Supervisors, mechanics and repairers .....	24.15	7.0	—	—	—	—
Automobile mechanics .....	17.89	3.7	17.70	5.0	—	—
Bus, truck, and stationary engine mechanics .....	15.31	5.0	—	—	—	—
Industrial machinery repairers .....	19.06	5.1	19.06	5.1	—	—
Machinery maintenance .....	14.56	12.2	—	—	—	—
Mechanics and repairers, n.e.c. ....	16.80	5.2	16.83	5.2	—	—
Supervisors, construction trades, n.e.c. ....	21.25	13.8	—	—	—	—
Electricians .....	18.22	5.4	18.20	5.5	—	—
Plumbers, pipefitters and steamfitters .....	19.71	5.5	19.82	5.7	—	—
Supervisors, production .....	20.73	5.1	20.73	5.1	—	—
Tool and die makers .....	21.18	6.1	21.18	6.1	—	—
Machinists .....	17.14	4.7	17.14	4.7	—	—
<b>Machine operators, assemblers, and inspectors</b> .....	13.42	2.6	13.43	2.6	—	—
Lathe and turning machine operators .....	14.68	8.4	14.68	8.4	—	—
Grinding, abrading, buffing, and polishing machine operators .....	12.96	7.0	12.96	7.0	—	—
Numerical control machine operators .....	15.07	5.7	15.07	5.7	—	—
Fabricating machine operators, n.e.c. ....	15.22	4.8	15.22	4.8	—	—
Molding and casting machine operators .....	12.49	6.3	12.49	6.3	—	—
Printing press operators .....	16.44	5.3	16.44	5.3	—	—
Photoengravers and lithographers .....	18.32	6.8	18.32	6.8	—	—
Mixing and blending machine operators .....	15.22	7.8	15.22	7.8	—	—
Painting and paint spraying machine operators .....	11.65	5.2	11.65	5.2	—	—
Slicing and cutting machine operators .....	11.82	7.9	11.82	7.9	—	—
Miscellaneous machine operators, n.e.c. ....	13.00	4.8	13.00	4.8	—	—
Welders and cutters .....	14.39	5.0	14.39	5.0	—	—
Assemblers .....	11.55	5.7	11.55	5.7	—	—
Production inspectors, checkers and examiners ..	13.71	8.0	13.68	8.2	—	—
<b>Transportation and material moving</b> .....	13.86	5.5	13.79	6.2	14.47	3.1
Truck drivers .....	14.91	7.0	14.97	7.6	—	—
Bus drivers .....	13.53	4.8	—	—	14.25	3.7
Motor transportation, n.e.c. ....	6.38	3.6	6.38	3.6	—	—
Industrial truck and tractor equipment operators ..	12.60	6.5	12.60	6.5	—	—
<b>Handlers, equipment cleaners, helpers, and laborers</b> .....	10.56	3.4	10.38	3.4	14.23	6.8
Construction laborers .....	12.28	6.9	12.30	7.5	—	—
Production helpers .....	14.15	10.5	14.15	10.5	—	—
Stock handlers and baggers .....	10.36	5.3	10.36	5.3	—	—

See footnotes at end of table.

Table 2-1. Mean hourly earnings<sup>1</sup>, all workers:<sup>2</sup> Selected occupations, private industry and State and local government, National Compensation Survey, Cincinnati-Hamilton, OH-KY-IN, November 1999 — Continued

Occupation <sup>3</sup>	Total		Private industry		State and local government	
	Mean	Relative error <sup>4</sup> (percent)	Mean	Relative error <sup>4</sup> (percent)	Mean	Relative error <sup>4</sup> (percent)
<b>Blue collar</b> —Continued						
<b>Handlers, equipment cleaners, helpers, and laborers</b>						
—Continued						
Machine feeders and offbearers .....	\$10.09	4.5	\$10.09	4.5	—	—
Freight, stock, and material handlers, n.e.c. ....	12.39	5.6	12.39	5.6	—	—
Vehicle washers and equipment cleaners .....	8.84	7.8	8.84	7.8	—	—
Hand packers and packagers .....	8.26	4.7	8.26	4.7	—	—
Laborers, except construction, n.e.c. ....	10.85	4.3	10.58	4.5	—	—
<b>Service</b> .....	10.16	4.6	8.26	3.7	\$15.35	5.3
Protective service .....	14.65	13.2	8.61	13.3	19.10	3.9
Supervisors, police and detectives .....	22.44	14.0	—	—	22.44	14.0
Firefighting .....	18.84	7.8	—	—	18.84	7.8
Police and detectives, public service .....	19.96	3.5	—	—	19.96	3.5
Guards and police, except public service .....	8.30	12.7	8.28	12.7	—	—
Food service .....	6.77	5.6	6.47	6.1	10.09	5.9
Waiters, waitresses, and bartenders .....	3.24	7.6	3.24	7.6	—	—
Waiters and waitresses .....	2.72	6.2	2.72	6.2	—	—
Other food service .....	8.46	3.7	8.23	4.2	10.09	5.9
Supervisors, food preparation and service .....	13.02	8.5	13.02	8.5	—	—
Cooks .....	8.91	5.2	8.72	5.7	—	—
Kitchen workers, food preparation .....	8.60	6.3	8.60	6.3	—	—
Food preparation, n.e.c. ....	7.70	4.5	7.22	4.5	9.79	7.0
Health service .....	9.49	1.7	9.34	1.6	—	—
Health aides, except nursing .....	10.33	3.8	9.86	3.9	—	—
Nursing aides, orderlies and attendants .....	9.17	1.8	9.17	1.8	—	—
Cleaning and building service .....	10.82	5.3	10.56	7.4	11.46	3.4
Supervisors, cleaning and building service workers .....	13.69	13.3	—	—	—	—
Maids and housemen .....	7.75	2.7	—	—	—	—
Janitors and cleaners .....	10.84	5.8	10.63	8.2	11.32	3.6
Personal service .....	8.07	3.9	7.72	3.9	9.16	5.4
Early childhood teachers' assistants .....	8.36	6.8	—	—	—	—
Child care workers, n.e.c. ....	8.87	3.4	—	—	—	—
Service, n.e.c. ....	8.35	7.8	7.79	6.5	—	—

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

<sup>2</sup> All workers include full-time and part-time workers.

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

<sup>4</sup> The relative standard error (RSE) is the standard error expressed as a percent of the estimate. It can be used to calculate a "confidence interval" around

a sample estimate. For more information about RSEs, see 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. IN THIS SURVEY, THE NONRESPONSE RATE FOR ALL INDUSTRIES AND PRIVATE INDUSTRY EXCEEDED REGULAR SURVEY STANDARDS FOR PUBLICATION. ACCORDINGLY, USERS SHOULD INTERPRET THESE RESULTS WITH THIS LIMITATION IN MIND.



Table 2-2. Mean hourly earnings<sup>1</sup>, full-time workers:<sup>2</sup> Selected occupations, private industry and State and local government, National Compensation Survey, Cincinnati-Hamilton, OH-KY-IN, November 1999

Occupation <sup>3</sup>	Total		Private industry		State and local government	
	Mean	Relative error <sup>4</sup> (percent)	Mean	Relative error <sup>4</sup> (percent)	Mean	Relative error <sup>4</sup> (percent)
<b>All</b> .....	\$16.70	2.4	\$16.01	2.9	\$20.19	2.5
All excluding sales .....	16.85	2.4	16.16	3.0	20.20	2.5
<b>White collar</b> .....	19.89	3.0	19.14	3.8	23.00	3.2
White collar excluding sales .....	20.46	2.9	19.79	3.8	23.02	3.2
<b>Professional specialty and technical</b> .....	24.09	3.3	23.00	4.7	26.89	3.4
Professional specialty .....	25.89	3.3	24.91	4.9	27.93	3.4
Engineers, architects, and surveyors .....	26.48	3.4	27.08	3.2	—	—
Industrial engineers .....	28.88	6.1	28.88	6.1	—	—
Mechanical engineers .....	24.26	2.3	24.28	3.3	—	—
Mathematical and computer scientists .....	30.75	7.7	30.75	7.7	—	—
Computer systems analysts and scientists .....	31.88	6.3	31.88	6.3	—	—
Operations and systems researchers and analysts .....	25.89	23.2	25.89	23.2	—	—
Natural scientists .....	27.33	9.1	27.33	9.1	—	—
Health related .....	21.22	3.4	20.71	3.6	22.80	7.2
Registered nurses .....	20.48	1.7	20.03	1.2	22.52	6.7
Teachers, college and university .....	43.83	5.8	42.82	6.3	—	—
Teachers, except college and university .....	28.67	3.0	18.95	8.7	30.12	2.4
Elementary school teachers .....	29.93	2.7	—	—	30.28	2.7
Secondary school teachers .....	30.25	3.1	—	—	31.51	2.4
Librarians, archivists, and curators .....	20.66	13.5	—	—	21.18	16.3
Librarians .....	21.18	16.3	—	—	21.18	16.3
Social scientists and urban planners .....	—	—	—	—	—	—
Social, recreation, and religious workers .....	14.87	6.0	14.64	6.8	16.67	5.4
Social workers .....	15.65	3.9	15.57	4.2	16.46	7.8
Lawyers and judges .....	—	—	—	—	—	—
Writers, authors, entertainers, athletes, and professionals, n.e.c. ....	18.44	7.0	19.07	6.9	—	—
Designers .....	19.08	11.3	—	—	—	—
Technical .....	18.32	7.4	18.21	8.6	19.05	6.6
Licensed practical nurses .....	14.08	3.8	14.03	3.9	—	—
Health technologists and technicians, n.e.c. ....	12.64	8.6	11.77	5.1	—	—
Electrical and electronic technicians .....	17.62	6.8	16.84	7.5	—	—
Engineering technicians, n.e.c. ....	20.73	4.4	—	—	—	—
Technical and related, n.e.c. ....	18.11	6.1	18.31	6.5	—	—
<b>Executive, administrative, and managerial</b> .....	27.17	3.2	27.32	3.4	26.38	8.0
Executives, administrators, and managers .....	30.05	3.8	30.16	4.2	29.59	8.6
Administrators and officials, public administration .....	27.78	6.3	—	—	28.44	7.5
Financial managers .....	29.99	11.0	—	—	—	—
Managers, marketing, advertising, and public relations .....	33.74	11.2	33.74	11.2	—	—
Administrators, education and related fields .....	30.04	13.5	21.13	14.3	31.99	15.7
Managers, service organizations, n.e.c. ....	20.70	18.0	20.58	19.0	—	—
Managers and administrators, n.e.c. ....	33.20	4.3	33.37	4.4	—	—
Management related .....	22.89	5.9	23.51	6.0	17.64	8.1
Accountants and auditors .....	20.22	5.7	21.12	4.6	—	—
Personnel, training, and labor relations specialists .....	26.57	12.8	26.64	12.8	—	—
Purchasing agents and buyers, n.e.c. ....	24.04	5.1	24.30	5.4	—	—
Management related, n.e.c. ....	23.74	19.2	24.80	20.7	—	—
<b>Sales</b> .....	13.05	11.5	13.00	11.7	—	—
Supervisors, sales .....	14.68	7.8	14.68	7.8	—	—
Sales representatives, mining, manufacturing, and wholesale .....	25.06	20.8	25.06	20.8	—	—
Cashiers .....	7.66	7.5	7.66	7.5	—	—
Sales support, n.e.c. ....	9.04	16.7	8.37	14.3	—	—
<b>Administrative support, including clerical</b> .....	12.48	2.4	12.45	2.8	12.61	2.1
Supervisors, general office .....	20.96	10.4	20.96	10.4	—	—
Secretaries .....	13.09	3.3	13.32	4.8	12.68	2.9
Receptionists .....	9.82	3.0	9.82	3.0	—	—
Information clerks, n.e.c. ....	10.17	10.9	10.17	10.9	—	—

See footnotes at end of table.

Table 2-2. Mean hourly earnings<sup>1</sup>, full-time workers:<sup>2</sup> Selected occupations, private industry and State and local government, National Compensation Survey, Cincinnati-Hamilton, OH-KY-IN, November 1999 — Continued

Occupation <sup>3</sup>	Total		Private industry		State and local government	
	Mean	Relative error <sup>4</sup> (percent)	Mean	Relative error <sup>4</sup> (percent)	Mean	Relative error <sup>4</sup> (percent)
<b>White collar</b> —Continued						
<b>Administrative support, including clerical</b> —Continued						
Order clerks .....	\$12.02	10.2	\$12.02	10.4	—	—
Library clerks .....	10.41	8.1	—	—	\$10.41	8.1
File clerks .....	8.82	6.8	8.82	6.9	—	—
Records clerks, n.e.c. ....	12.51	4.1	11.89	5.8	—	—
Bookkeepers, accounting and auditing clerks .....	12.11	4.7	12.00	5.2	—	—
Billing clerks .....	12.18	6.2	12.18	6.2	—	—
Dispatchers .....	14.25	8.3	—	—	—	—
Production coordinators .....	17.23	5.0	17.23	5.0	—	—
Stock and inventory clerks .....	10.89	5.8	10.63	5.4	—	—
Investigators and adjusters, except insurance .....	13.89	8.8	13.89	8.8	—	—
General office clerks .....	10.92	4.8	10.24	5.3	12.86	2.8
Data entry keyers .....	10.37	5.7	10.31	6.2	—	—
Administrative support, n.e.c. ....	11.90	4.8	12.02	5.6	11.34	8.7
<b>Blue collar</b> .....	14.17	2.1	14.06	2.2	15.97	3.6
<b>Precision production, craft, and repair</b> .....						
Supervisors, mechanics and repairers .....	24.15	7.0	—	—	—	—
Automobile mechanics .....	17.89	3.7	17.70	5.0	—	—
Bus, truck, and stationary engine mechanics .....	15.31	5.0	—	—	—	—
Industrial machinery repairers .....	19.06	5.1	19.06	5.1	—	—
Mechanics and repairers, n.e.c. ....	16.80	5.2	16.83	5.2	—	—
Supervisors, construction trades, n.e.c. ....	21.25	13.8	—	—	—	—
Electricians .....	18.22	5.4	18.20	5.5	—	—
Plumbers, pipefitters and steamfitters .....	19.71	5.5	19.82	5.7	—	—
Supervisors, production .....	20.73	5.1	20.73	5.1	—	—
Tool and die makers .....	21.18	6.1	21.18	6.1	—	—
Machinists .....	17.14	4.7	17.14	4.7	—	—
<b>Machine operators, assemblers, and inspectors</b> .....						
Lathe and turning machine operators .....	14.68	8.4	14.68	8.4	—	—
Grinding, abrading, buffing, and polishing machine operators .....	12.96	7.0	12.96	7.0	—	—
Numerical control machine operators .....	15.07	5.7	15.07	5.7	—	—
Fabricating machine operators, n.e.c. ....	15.22	4.8	15.22	4.8	—	—
Molding and casting machine operators .....	12.49	6.3	12.49	6.3	—	—
Printing press operators .....	16.44	5.3	16.44	5.3	—	—
Photoengravers and lithographers .....	18.32	6.8	18.32	6.8	—	—
Mixing and blending machine operators .....	15.22	7.8	15.22	7.8	—	—
Painting and paint spraying machine operators .....	11.65	5.2	11.65	5.2	—	—
Slicing and cutting machine operators .....	11.82	7.9	11.82	7.9	—	—
Miscellaneous machine operators, n.e.c. ....	13.06	4.8	13.06	4.8	—	—
Welders and cutters .....	14.39	5.0	14.39	5.0	—	—
Assemblers .....	11.56	5.7	11.56	5.7	—	—
Production inspectors, checkers and examiners ..	13.71	8.0	13.68	8.2	—	—
<b>Transportation and material moving</b> .....						
Truck drivers .....	14.91	7.0	14.97	7.6	—	—
Bus drivers .....	13.14	5.7	—	—	14.22	4.8
Industrial truck and tractor equipment operators ..	12.60	6.5	12.60	6.5	—	—
<b>Handlers, equipment cleaners, helpers, and laborers</b> .....						
Construction laborers .....	12.28	6.9	12.30	7.5	—	—
Production helpers .....	14.15	10.5	14.15	10.5	—	—
Stock handlers and baggers .....	11.04	4.7	11.04	4.7	—	—
Machine feeders and offbearers .....	10.09	4.5	10.09	4.5	—	—
Freight, stock, and material handlers, n.e.c. ....	13.09	6.6	13.09	6.6	—	—
Vehicle washers and equipment cleaners .....	8.84	7.8	8.84	7.8	—	—
Hand packers and packagers .....	8.26	4.7	8.26	4.7	—	—
Laborers, except construction, n.e.c. ....	10.99	4.5	10.72	4.6	—	—
<b>Service</b> .....	11.36	5.2	9.22	4.6	15.91	5.2

See footnotes at end of table.

Table 2-2. Mean hourly earnings<sup>1</sup>, full-time workers:<sup>2</sup> Selected occupations, private industry and State and local government, National Compensation Survey, Cincinnati-Hamilton, OH-KY-IN, November 1999 — Continued

Occupation <sup>3</sup>	Total		Private industry		State and local government	
	Mean	Relative error <sup>4</sup> (percent)	Mean	Relative error <sup>4</sup> (percent)	Mean	Relative error <sup>4</sup> (percent)
<b>Service—Continued</b>						
Protective service .....	\$14.72	13.5	\$8.57	13.4	\$19.23	3.8
Supervisors, police and detectives .....	22.44	14.0	—	—	22.44	14.0
Firefighting .....	19.06	7.5	—	—	19.06	7.5
Police and detectives, public service .....	19.96	3.5	—	—	19.96	3.5
Guards and police, except public service .....	8.24	12.7	8.22	12.8	—	—
Food service .....	8.20	7.6	7.88	8.7	10.49	7.4
Waiters, waitresses, and bartenders .....	3.61	12.9	3.61	12.9	—	—
Waiters and waitresses .....	2.76	8.4	2.76	8.4	—	—
Other food service .....	9.88	2.9	9.76	3.1	10.49	7.4
Supervisors, food preparation and service .....	13.57	8.0	13.57	8.0	—	—
Cooks .....	9.71	4.3	9.50	4.6	—	—
Food preparation, n.e.c. ....	9.20	4.9	8.70	5.6	10.05	8.8
Health service .....	9.52	1.8	9.37	1.7	—	—
Health aides, except nursing .....	10.30	3.9	9.86	3.9	—	—
Nursing aides, orderlies and attendants .....	9.19	1.9	9.19	1.9	—	—
Cleaning and building service .....	11.46	4.9	11.42	7.0	11.55	3.5
Supervisors, cleaning and building service workers .....	13.69	13.3	—	—	—	—
Maids and housemen .....	7.75	2.7	—	—	—	—
Janitors and cleaners .....	11.57	5.3	11.65	7.7	11.41	3.7
Personal service .....	8.33	5.0	7.91	5.1	9.68	6.7
Early childhood teachers' assistants .....	8.27	7.6	—	—	—	—
Service, n.e.c. ....	8.64	9.2	7.96	7.9	—	—

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

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

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

<sup>4</sup> The relative standard error (RSE) is the standard error expressed as a percent of the estimate. It can be used to calculate a "confidence interval" around a sample estimate. For more information about RSEs, see 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. IN THIS SURVEY, THE NONRESPONSE RATE FOR ALL INDUSTRIES AND PRIVATE INDUSTRY EXCEEDED REGULAR SURVEY STANDARDS FOR PUBLICATION. ACCORDINGLY, USERS SHOULD INTERPRET THESE RESULTS WITH THIS LIMITATION IN MIND.

Table 2-3. Mean hourly earnings<sup>1</sup>, part-time workers:<sup>2</sup> Selected occupations, private industry and State and local government, National Compensation Survey, Cincinnati-Hamilton, OH-KY-IN, November 1999

Occupation <sup>3</sup>	Total		Private industry		State and local government	
	Mean	Relative error <sup>4</sup> (percent)	Mean	Relative error <sup>4</sup> (percent)	Mean	Relative error <sup>4</sup> (percent)
<b>All</b> .....	\$9.56	8.6	\$9.24	9.9	\$12.12	6.8
All excluding sales .....	10.00	9.5	9.67	11.1	12.19	6.8
<b>White collar</b> .....	12.92	13.4	12.82	15.4	13.65	9.6
White collar excluding sales .....	15.57	14.8	15.94	17.4	13.84	9.7
<b>Professional specialty and technical</b> .....	22.68	18.2	24.08	20.7	17.08	8.3
Professional specialty .....	25.91	19.2	26.97	21.1	19.34	6.0
Health related .....	21.48	3.4	21.53	3.6	-	-
Registered nurses .....	21.51	3.5	21.56	3.7	-	-
Teachers, college and university .....	60.98	7.0	64.08	2.3	-	-
Teachers, except college and university .....	17.43	12.6	14.98	28.1	-	-
Teachers, n.e.c. ....	13.56	17.3	-	-	-	-
Social, recreation, and religious workers .....	-	-	-	-	-	-
Lawyers and judges .....	-	-	-	-	-	-
Writers, authors, entertainers, athletes, and professionals, n.e.c. ....	-	-	-	-	-	-
Technical .....	12.74	9.1	11.57	9.7	-	-
<b>Executive, administrative, and managerial</b> .....	17.60	35.9	-	-	-	-
Executives, administrators, and managers .....	17.60	35.9	-	-	-	-
<b>Sales</b> .....	6.69	1.7	6.70	1.7	-	-
Cashiers .....	6.66	2.3	6.67	2.3	-	-
<b>Administrative support, including clerical</b> .....	9.25	6.3	9.29	7.5	9.03	2.0
Library clerks .....	9.29	7.2	-	-	9.29	7.2
General office clerks .....	7.91	10.2	-	-	-	-
Administrative support, n.e.c. ....	9.87	6.6	9.87	6.6	-	-
<b>Blue collar</b> .....	8.97	7.5	8.32	7.9	-	-
<b>Precision production, craft, and repair</b> .....	-	-	-	-	-	-
<b>Machine operators, assemblers, and inspectors</b> .....	-	-	-	-	-	-
<b>Transportation and material moving</b> .....	8.60	15.0	6.23	2.5	-	-
Motor transportation, n.e.c. ....	6.15	2.1	6.15	2.1	-	-
<b>Handlers, equipment cleaners, helpers, and laborers</b> .....	9.29	7.4	9.31	7.4	-	-
Stock handlers and baggers .....	6.33	5.5	6.33	5.5	-	-
Freight, stock, and material handlers, n.e.c. ....	11.12	5.3	11.12	5.3	-	-
Laborers, except construction, n.e.c. ....	8.28	7.9	8.28	7.9	-	-
<b>Service</b> .....	6.18	4.7	5.85	5.0	9.24	4.4
Protective service .....	11.05	16.2	-	-	-	-
Food service .....	5.36	6.5	5.20	6.9	8.97	6.0
Waiters, waitresses, and bartenders .....	2.98	7.7	2.98	7.7	-	-
Waiters and waitresses .....	2.70	7.5	2.70	7.5	-	-
Other food service .....	6.81	3.0	6.65	3.0	8.97	6.0
Food preparation, n.e.c. ....	6.81	2.7	6.64	2.6	8.99	5.8
Health service .....	-	-	-	-	-	-
Cleaning and building service .....	6.88	6.3	6.44	3.7	-	-
Janitors and cleaners .....	6.88	6.3	6.44	3.7	-	-
Personal service .....	7.53	4.1	7.32	4.6	8.15	6.0
Service, n.e.c. ....	7.31	8.3	7.20	9.2	-	-

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

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

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

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

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Table 3-1. Mean weekly earnings<sup>1</sup>, full-time workers:<sup>2</sup> Selected occupations, private industry and State and local government, National Compensation Survey, Cincinnati-Hamilton, OH-KY-IN, November 1999

Occupation <sup>3</sup>	Total			Private industry			State and local government		
	Weekly earnings		Mean weekly hours <sup>5</sup>	Weekly earnings		Mean weekly hours <sup>5</sup>	Weekly earnings		Mean weekly hours <sup>5</sup>
	Mean	Relative error <sup>4</sup> (percent)		Mean	Relative error <sup>4</sup> (percent)		Mean	Relative error <sup>4</sup> (percent)	
All .....	\$662	2.5	39.6	\$637	3.0	39.8	\$786	2.7	38.9
All excluding sales .....	668	2.5	39.6	643	3.0	39.8	786	2.7	38.9
<b>White collar</b> .....	784	3.1	39.4	762	4.0	39.8	872	3.0	37.9
White collar excluding sales .....	807	3.0	39.4	788	3.9	39.8	872	3.0	37.9
<b>Professional specialty and technical</b> .....	941	3.8	39.1	919	5.4	40.0	994	3.0	37.0
Professional specialty .....	1,005	4.0	38.8	997	5.9	40.0	1,022	3.1	36.6
Engineers, architects, and surveyors .....	1,059	3.4	40.0	1,083	3.2	40.0	-	-	-
Industrial engineers .....	1,155	6.1	40.0	1,155	6.1	40.0	-	-	-
Mechanical engineers .....	970	2.3	40.0	971	3.3	40.0	-	-	-
Mathematical and computer scientists .....	1,228	7.8	39.9	1,228	7.8	39.9	-	-	-
Computer systems analysts and scientists .....	1,273	6.4	39.9	1,273	6.4	39.9	-	-	-
Operations and systems researchers and analysts .....	1,036	23.2	40.0	1,036	23.2	40.0	-	-	-
Natural scientists .....	1,117	9.4	40.9	1,117	9.4	40.9	-	-	-
Health related .....	817	3.6	38.5	799	4.1	38.6	873	6.5	38.3
Registered nurses .....	785	2.8	38.3	767	2.7	38.3	867	7.5	38.5
Teachers, college and university .....	2,254	13.6	51.4	2,661	11.8	62.1	-	-	-
Teachers, except college and university .....	1,032	2.7	36.0	727	8.0	38.3	1,074	2.4	35.7
Elementary school teachers ...	1,060	2.3	35.4	-	-	-	1,069	2.3	35.3
Secondary school teachers ...	1,078	3.1	35.6	-	-	-	1,111	2.9	35.3
Librarians, archivists, and curators .....	789	13.0	38.2	-	-	-	829	14.7	39.2
Librarians .....	829	14.7	39.2	-	-	-	829	14.7	39.2
Social scientists and urban planners .....	-	-	-	-	-	-	-	-	-
Social, recreation, and religious workers .....	569	5.8	38.2	562	6.5	38.4	623	6.3	37.3
Social workers .....	595	4.5	38.0	594	4.9	38.2	598	7.7	36.3
Lawyers and judges .....	-	-	-	-	-	-	-	-	-
Writers, authors, entertainers, athletes, and professionals, n.e.c. ....	718	6.5	38.9	741	6.5	38.8	-	-	-
Designers .....	733	9.9	38.4	-	-	-	-	-	-
Technical .....	730	7.4	39.8	725	8.6	39.8	761	6.7	39.9
Licensed practical nurses .....	550	3.2	39.1	548	3.3	39.1	-	-	-
Health technologists and technicians, n.e.c. ....	506	8.6	40.0	471	5.1	40.0	-	-	-
Electrical and electronic technicians .....	705	6.8	40.0	674	7.5	40.0	-	-	-
Engineering technicians, n.e.c. ....	827	4.5	39.9	-	-	-	-	-	-
Technical and related, n.e.c. ...	723	6.1	39.9	730	6.6	39.9	-	-	-
<b>Executive, administrative, and managerial</b> .....	1,083	3.1	39.9	1,091	3.3	39.9	1,042	7.9	39.5
Executives, administrators, and managers .....	1,199	3.8	39.9	1,207	4.2	40.0	1,166	8.6	39.4
Administrators and officials, public administration .....	1,106	6.3	39.8	-	-	-	1,131	7.6	39.8
Financial managers .....	1,199	11.0	40.0	-	-	-	-	-	-
Managers, marketing, advertising, and public relations .....	1,350	11.2	40.0	1,350	11.2	40.0	-	-	-
Administrators, education and related fields .....	1,188	13.5	39.5	867	16.7	41.0	1,255	15.5	39.2
Managers, service organizations, n.e.c. ....	828	18.0	40.0	823	19.0	40.0	-	-	-

See footnotes at end of table.

Table 3-1. Mean weekly earnings<sup>1</sup>, full-time workers:<sup>2</sup> Selected occupations, private industry and State and local government, National Compensation Survey, Cincinnati-Hamilton, OH-KY-IN, November 1999 — Continued

Occupation <sup>3</sup>	Total			Private industry			State and local government		
	Weekly earnings		Mean weekly hours <sup>5</sup>	Weekly earnings		Mean weekly hours <sup>5</sup>	Weekly earnings		Mean weekly hours <sup>5</sup>
	Mean	Relative error <sup>4</sup> (percent)		Mean	Relative error <sup>4</sup> (percent)		Mean	Relative error <sup>4</sup> (percent)	
<b>White collar</b> —Continued									
<b>Executive, administrative, and managerial</b> —Continued									
Executives, administrators, and managers —Continued									
Managers and administrators, n.e.c. ....	\$1,325	4.4	39.9	\$1,334	4.6	40.0	—	—	—
Management related .....	912	5.9	39.8	936	6.0	39.8	\$702	8.0	39.8
Accountants and auditors .....	807	5.8	39.9	844	4.9	39.9	—	—	—
Personnel, training, and labor relations specialists .....	1,058	13.0	39.8	1,061	13.0	39.8	—	—	—
Purchasing agents and buyers, n.e.c. ....	962	5.1	40.0	972	5.4	40.0	—	—	—
Management related, n.e.c. ....	939	18.3	39.6	980	19.6	39.5	—	—	—
<b>Sales</b> .....	517	12.9	39.7	515	13.1	39.7	—	—	—
Supervisors, sales .....	647	6.9	44.1	647	6.9	44.1	—	—	—
Sales representatives, mining, manufacturing, and wholesale .....	1,002	20.8	40.0	1,002	20.8	40.0	—	—	—
Cashiers .....	287	9.8	37.4	287	9.8	37.4	—	—	—
Sales support, n.e.c. ....	330	18.8	36.5	303	16.2	36.3	—	—	—
<b>Administrative support, including clerical</b> .....	494	2.4	39.6	494	2.8	39.7	494	2.3	39.2
Supervisors, general office .....	829	9.6	39.6	829	9.6	39.6	—	—	—
Secretaries .....	516	3.4	39.4	527	4.8	39.5	496	3.1	39.1
Receptionists .....	386	3.4	39.3	386	3.4	39.3	—	—	—
Information clerks, n.e.c. ....	407	10.9	40.0	407	10.9	40.0	—	—	—
Order clerks .....	478	10.1	39.8	478	10.2	39.8	—	—	—
Library clerks .....	373	11.3	35.8	—	—	—	373	11.3	35.8
File clerks .....	350	7.0	39.7	350	7.1	39.7	—	—	—
Records clerks, n.e.c. ....	496	3.9	39.7	470	5.2	39.5	—	—	—
Bookkeepers, accounting and auditing clerks .....	479	4.6	39.5	476	5.2	39.7	—	—	—
Billing clerks .....	481	6.9	39.5	481	6.9	39.5	—	—	—
Dispatchers .....	597	10.5	41.9	—	—	—	—	—	—
Production coordinators .....	683	5.5	39.6	683	5.5	39.6	—	—	—
Stock and inventory clerks .....	436	5.9	40.0	425	5.4	40.0	—	—	—
Investigators and adjusters, except insurance .....	545	9.4	39.3	545	9.4	39.3	—	—	—
General office clerks .....	432	5.0	39.6	404	5.4	39.4	514	2.8	40.0
Data entry keyers .....	415	5.7	40.0	413	6.2	40.0	—	—	—
Administrative support, n.e.c. ....	461	5.2	38.7	465	5.9	38.7	440	11.2	38.8
<b>Blue collar</b> .....	565	2.1	39.8	562	2.2	40.0	601	4.8	37.7
<b>Precision production, craft, and repair</b> .....	727	2.2	40.1	729	2.5	40.1	702	3.4	39.9
Supervisors, mechanics and repairers .....	966	7.0	40.0	—	—	—	—	—	—
Automobile mechanics .....	716	3.7	40.0	708	5.0	40.0	—	—	—
Bus, truck, and stationary engine mechanics .....	646	8.2	42.2	—	—	—	—	—	—
Industrial machinery repairers .....	762	5.1	40.0	762	5.1	40.0	—	—	—
Mechanics and repairers, n.e.c. ....	672	5.1	40.0	674	5.2	40.0	—	—	—
Supervisors, construction trades, n.e.c. ....	843	14.0	39.7	—	—	—	—	—	—
Electricians .....	729	5.4	40.0	728	5.4	40.0	—	—	—
Plumbers, pipefitters and steamfitters .....	788	5.5	40.0	793	5.7	40.0	—	—	—

See footnotes at end of table.

Table 3-1. Mean weekly earnings<sup>1</sup>, full-time workers:<sup>2</sup> Selected occupations, private industry and State and local government, National Compensation Survey, Cincinnati-Hamilton, OH-KY-IN, November 1999 — Continued

Occupation <sup>3</sup>	Total			Private industry			State and local government		
	Weekly earnings		Mean weekly hours <sup>5</sup>	Weekly earnings		Mean weekly hours <sup>5</sup>	Weekly earnings		Mean weekly hours <sup>5</sup>
	Mean	Relative error <sup>4</sup> (percent)		Mean	Relative error <sup>4</sup> (percent)		Mean	Relative error <sup>4</sup> (percent)	
<b>Blue collar</b> —Continued									
<b>Precision production, craft, and repair</b> —Continued									
Supervisors, production .....	\$832	5.1	40.1	\$832	5.1	40.1	—	—	—
Tool and die makers .....	847	6.1	40.0	847	6.1	40.0	—	—	—
Machinists .....	686	4.7	40.0	686	4.7	40.0	—	—	—
<b>Machine operators, assemblers, and inspectors</b> .....	536	2.5	39.9	537	2.5	39.9	—	—	—
Lathe and turning machine operators .....	587	8.5	40.0	587	8.5	40.0	—	—	—
Grinding, abrading, buffing, and polishing machine operators .....	519	7.0	40.0	519	7.0	40.0	—	—	—
Numerical control machine operators .....	603	5.7	40.0	603	5.7	40.0	—	—	—
Fabricating machine operators, n.e.c. ....	609	4.8	40.0	609	4.8	40.0	—	—	—
Molding and casting machine operators .....	499	6.3	40.0	499	6.3	40.0	—	—	—
Printing press operators .....	631	5.4	38.4	631	5.4	38.4	—	—	—
Photoengravers and lithographers .....	700	4.3	38.2	700	4.3	38.2	—	—	—
Mixing and blending machine operators .....	609	7.8	40.0	609	7.8	40.0	—	—	—
Painting and paint spraying machine operators .....	460	4.7	39.5	460	4.7	39.5	—	—	—
Slicing and cutting machine operators .....	471	7.9	39.9	471	7.9	39.9	—	—	—
Miscellaneous machine operators, n.e.c. ....	523	4.9	40.0	523	4.9	40.0	—	—	—
Welders and cutters .....	576	5.1	40.0	576	5.1	40.0	—	—	—
Assemblers .....	462	5.7	40.0	462	5.7	40.0	—	—	—
Production inspectors, checkers and examiners ...	549	8.0	40.0	548	8.2	40.0	—	—	—
<b>Transportation and material moving</b> .....	567	5.1	39.3	581	5.3	40.3	\$453	13.7	31.2
Truck drivers .....	604	6.9	40.5	607	7.4	40.5	—	—	—
Bus drivers .....	374	12.1	28.5	—	—	—	374	15.5	26.3
Industrial truck and tractor equipment operators .....	504	6.5	40.0	504	6.5	40.0	—	—	—
<b>Handlers, equipment cleaners, helpers, and laborers</b> .....	425	3.7	39.8	417	3.7	39.8	575	6.7	40.0
Construction laborers .....	491	6.9	40.0	492	7.5	40.0	—	—	—
Production helpers .....	559	11.2	39.5	559	11.2	39.5	—	—	—
Stock handlers and baggers ...	437	5.1	39.6	437	5.1	39.6	—	—	—
Machine feeders and offbearers .....	398	4.4	39.5	398	4.4	39.5	—	—	—
Freight, stock, and material handlers, n.e.c. ....	522	6.6	39.9	522	6.6	39.9	—	—	—
Vehicle washers and equipment cleaners .....	346	8.9	39.2	346	8.9	39.2	—	—	—
Hand packers and packagers .....	330	4.7	40.0	330	4.7	40.0	—	—	—
Laborers, except construction, n.e.c. ....	439	4.5	40.0	428	4.6	40.0	—	—	—
<b>Service</b> .....	453	5.9	39.9	359	4.8	38.9	670	7.0	42.1
Protective service .....	631	15.5	42.9	342	13.4	40.0	872	5.1	45.3

See footnotes at end of table.

Table 3-1. Mean weekly earnings<sup>1</sup>, full-time workers:<sup>2</sup> Selected occupations, private industry and State and local government, National Compensation Survey, Cincinnati-Hamilton, OH-KY-IN, November 1999 — Continued

Occupation <sup>3</sup>	Total			Private industry			State and local government		
	Weekly earnings		Mean weekly hours <sup>5</sup>	Weekly earnings		Mean weekly hours <sup>5</sup>	Weekly earnings		Mean weekly hours <sup>5</sup>
	Mean	Relative error <sup>4</sup> (percent)		Mean	Relative error <sup>4</sup> (percent)		Mean	Relative error <sup>4</sup> (percent)	
<b>Service—Continued</b>									
Protective service—Continued									
Supervisors, police and detectives .....	\$908	13.5	40.5	—	—	—	\$908	13.5	40.5
Firefighting .....	1,006	7.7	52.8	—	—	—	1,006	7.7	52.8
Police and detectives, public service .....	834	4.2	41.8	—	—	—	834	4.2	41.8
Guards and police, except public service .....	329	12.7	39.9	\$329	12.7	39.9	—	—	—
Food service .....	312	8.9	38.1	299	10.2	38.0	408	7.4	38.9
Waiters, waitresses, and bartenders .....	125	12.4	34.7	125	12.4	34.7	—	—	—
Waiters and waitresses .....	94	7.4	34.1	94	7.4	34.1	—	—	—
Other food service .....	391	3.0	39.5	387	3.3	39.7	408	7.4	38.9
Supervisors, food preparation and service .....	543	8.0	40.0	543	8.0	40.0	—	—	—
Cooks .....	381	4.5	39.2	375	4.9	39.4	—	—	—
Food preparation, n.e.c. ....	365	5.0	39.6	346	5.7	39.7	397	9.1	39.5
Health service .....	368	2.3	38.6	361	2.2	38.6	—	—	—
Health aides, except nursing ..	409	3.9	39.7	391	3.7	39.7	—	—	—
Nursing aides, orderlies and attendants .....	351	2.4	38.2	351	2.4	38.2	—	—	—
Cleaning and building service .....	452	5.0	39.5	449	7.1	39.4	459	3.6	39.7
Supervisors, cleaning and building service workers ...	540	12.1	39.5	—	—	—	—	—	—
Maids and housemen .....	276	4.9	35.6	—	—	—	—	—	—
Janitors and cleaners .....	460	5.3	39.8	464	7.8	39.8	453	3.8	39.7
Personal service .....	309	4.9	37.1	308	5.5	39.0	312	10.8	32.2
Early childhood teachers' assistants .....	289	6.3	35.0	—	—	—	—	—	—
Service, n.e.c. ....	325	10.6	37.7	300	10.2	37.7	—	—	—

<sup>1</sup> 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.

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

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

<sup>4</sup> The relative standard error (RSE) is the standard error expressed as a

percent of the estimate. It can be used to calculate a "confidence interval" around a sample estimate. For more information about RSEs, see appendix A.

<sup>5</sup> 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. IN THIS SURVEY, THE NONRESPONSE RATE FOR ALL INDUSTRIES AND PRIVATE INDUSTRY EXCEEDED REGULAR SURVEY STANDARDS FOR PUBLICATION. ACCORDINGLY, USERS SHOULD INTERPRET THESE RESULTS WITH THIS LIMITATION IN MIND.



Table 3-2. Mean annual earnings<sup>1</sup>, full-time workers:<sup>2</sup> Selected occupations, private industry and State and local government, National Compensation Survey, Cincinnati-Hamilton, OH-KY-IN, November 1999

Occupation <sup>3</sup>	Total			Private industry			State and local government		
	Annual earnings		Mean annual hours <sup>5</sup>	Annual earnings		Mean annual hours <sup>5</sup>	Annual earnings		Mean annual hours <sup>5</sup>
	Mean	Relative error <sup>4</sup> (percent)		Mean	Relative error <sup>4</sup> (percent)		Mean	Relative error <sup>4</sup> (percent)	
<b>All</b> .....	\$33,673	2.5	2,017	\$33,030	3.0	2,063	\$36,553	2.7	1,810
All excluding sales .....	33,946	2.5	2,015	33,336	3.0	2,063	36,552	2.7	1,809
<b>White collar</b> .....	39,325	3.1	1,977	39,467	4.0	2,062	38,844	3.0	1,689
White collar excluding sales .....	40,327	3.0	1,971	40,805	3.9	2,062	38,852	3.0	1,688
<b>Professional specialty and technical</b> .....	45,149	3.8	1,874	47,249	5.4	2,055	41,135	3.0	1,530
Professional specialty .....	47,131	4.0	1,821	51,032	5.9	2,049	41,282	3.1	1,478
Engineers, architects, and surveyors .....	55,056	3.4	2,079	56,295	3.2	2,079	-	-	-
Industrial engineers .....	59,999	6.1	2,078	59,999	6.1	2,078	-	-	-
Mechanical engineers .....	50,455	2.3	2,080	50,499	3.3	2,080	-	-	-
Mathematical and computer scientists .....	63,854	7.8	2,076	63,854	7.8	2,076	-	-	-
Computer systems analysts and scientists .....	66,180	6.4	2,076	66,180	6.4	2,076	-	-	-
Operations and systems researchers and analysts .....	53,861	23.2	2,080	53,861	23.2	2,080	-	-	-
Natural scientists .....	58,097	9.4	2,126	58,097	9.4	2,126	-	-	-
Health related .....	41,651	3.6	1,963	41,498	4.1	2,004	42,082	6.5	1,846
Registered nurses .....	40,541	2.8	1,980	39,900	2.7	1,992	43,385	7.5	1,926
Teachers, college and university Teachers, except college and university .....	97,258	13.6	2,219	131,644	11.8	3,075	-	-	-
Elementary school teachers ...	39,069	2.7	1,363	29,673	8.0	1,566	40,265	2.4	1,337
Secondary school teachers ...	39,258	2.3	1,311	-	-	-	39,621	2.3	1,308
Librarians, archivists, and curators .....	40,059	3.1	1,324	-	-	-	41,396	2.9	1,314
Librarians .....	39,071	13.0	1,891	-	-	-	40,481	14.7	1,911
Social scientists and urban planners .....	40,481	14.7	1,911	-	-	-	40,481	14.7	1,911
Social, recreation, and religious workers .....	-	-	-	-	-	-	-	-	-
Social workers .....	29,517	5.8	1,985	29,143	6.5	1,990	32,373	6.3	1,942
Lawyers and judges .....	30,922	4.5	1,975	30,906	4.9	1,985	31,071	7.7	1,888
Writers, authors, entertainers, athletes, and professionals, n.e.c. ....	-	-	-	-	-	-	-	-	-
Designers .....	37,325	6.5	2,024	38,508	6.5	2,019	-	-	-
Technical .....	38,134	9.9	1,999	-	-	-	-	-	-
Licensed practical nurses .....	37,923	7.4	2,070	37,662	8.6	2,069	39,570	6.7	2,077
Health technologists and technicians, n.e.c. ....	28,618	3.2	2,033	28,501	3.3	2,031	-	-	-
Electrical and electronic technicians .....	26,296	8.6	2,080	24,490	5.1	2,080	-	-	-
Engineering technicians, n.e.c. ....	36,648	6.8	2,080	35,031	7.5	2,080	-	-	-
Technical and related, n.e.c. ...	42,890	4.5	2,068	-	-	-	-	-	-
	37,571	6.1	2,074	37,974	6.6	2,074	-	-	-
<b>Executive, administrative, and managerial</b> .....	56,016	3.1	2,062	56,707	3.3	2,076	52,499	7.9	1,990
Executives, administrators, and managers .....	61,762	3.8	2,055	62,707	4.2	2,079	58,056	8.6	1,962
Administrators and officials, public administration .....	57,507	6.3	2,070	-	-	-	58,798	7.6	2,068
Financial managers .....	62,373	11.0	2,080	-	-	-	-	-	-
Managers, marketing, advertising, and public relations .....	70,185	11.2	2,080	70,185	11.2	2,080	-	-	-
Administrators, education and related fields .....	57,428	13.5	1,911	44,194	16.7	2,091	60,023	15.5	1,876
Managers, service organizations, n.e.c. ....	43,058	18.0	2,080	42,802	19.0	2,080	-	-	-

See footnotes at end of table.

Table 3-2. Mean annual earnings<sup>1</sup>, full-time workers:<sup>2</sup> Selected occupations, private industry and State and local government, National Compensation Survey, Cincinnati-Hamilton, OH-KY-IN, November 1999 — Continued

Occupation <sup>3</sup>	Total			Private industry			State and local government		
	Annual earnings		Mean annual hours <sup>5</sup>	Annual earnings		Mean annual hours <sup>5</sup>	Annual earnings		Mean annual hours <sup>5</sup>
	Mean	Relative error <sup>4</sup> (percent)		Mean	Relative error <sup>4</sup> (percent)		Mean	Relative error <sup>4</sup> (percent)	
<b>White collar</b> —Continued									
<b>Executive, administrative, and managerial</b> —Continued									
Executives, administrators, and managers —Continued									
Managers and administrators, n.e.c. ....	\$68,856	4.4	2,074	\$69,345	4.6	2,078	—	—	—
Management related .....	47,404	5.9	2,071	48,694	6.0	2,072	\$36,510	8.0	2,070
Accountants and auditors .....	41,973	5.8	2,075	43,869	4.9	2,077	—	—	—
Personnel, training, and labor relations specialists .....	55,029	13.0	2,071	55,175	13.0	2,071	—	—	—
Purchasing agents and buyers, n.e.c. ....	50,010	5.1	2,080	50,542	5.4	2,080	—	—	—
Management related, n.e.c. ....	48,826	18.3	2,057	50,939	19.6	2,054	—	—	—
<b>Sales</b> .....	26,901	12.9	2,062	26,800	13.1	2,062	—	—	—
Supervisors, sales .....	33,638	6.9	2,291	33,638	6.9	2,291	—	—	—
Sales representatives, mining, manufacturing, and wholesale .....	52,129	20.8	2,080	52,129	20.8	2,080	—	—	—
Cashiers .....	14,918	9.8	1,947	14,918	9.8	1,947	—	—	—
Sales support, n.e.c. ....	17,153	18.8	1,898	15,779	16.2	1,885	—	—	—
<b>Administrative support, including</b>									
<b>clerical</b> .....	25,546	2.4	2,048	25,686	2.8	2,063	24,806	2.3	1,968
Supervisors, general office .....	43,124	9.6	2,057	43,124	9.6	2,057	—	—	—
Secretaries .....	26,697	3.4	2,039	27,397	4.8	2,056	25,443	3.1	2,007
Receptionists .....	19,910	3.4	2,028	19,910	3.4	2,028	—	—	—
Information clerks, n.e.c. ....	21,150	10.9	2,080	21,150	10.9	2,080	—	—	—
Order clerks .....	24,857	10.1	2,068	24,859	10.2	2,068	—	—	—
Library clerks .....	15,799	11.3	1,518	—	—	—	15,799	11.3	1,518
File clerks .....	18,209	7.0	2,063	18,192	7.1	2,063	—	—	—
Records clerks, n.e.c. ....	25,725	3.9	2,057	24,448	5.2	2,056	—	—	—
Bookkeepers, accounting and auditing clerks .....	24,894	4.6	2,056	24,739	5.2	2,062	—	—	—
Billing clerks .....	25,009	6.9	2,053	25,009	6.9	2,053	—	—	—
Dispatchers .....	31,043	10.5	2,178	—	—	—	—	—	—
Production coordinators .....	35,500	5.5	2,061	35,500	5.5	2,061	—	—	—
Stock and inventory clerks .....	22,661	5.9	2,080	22,101	5.4	2,080	—	—	—
Investigators and adjusters, except insurance .....	28,349	9.4	2,042	28,349	9.4	2,042	—	—	—
General office clerks .....	22,237	5.0	2,036	20,988	5.4	2,050	25,656	2.8	1,996
Data entry keyers .....	21,569	5.7	2,080	21,455	6.2	2,080	—	—	—
Administrative support, n.e.c. ....	23,982	5.2	2,015	24,204	5.9	2,014	22,887	11.2	2,018
<b>Blue collar</b> .....	29,251	2.1	2,064	29,191	2.2	2,076	30,122	4.8	1,886
<b>Precision production, craft, and repair</b>									
Supervisors, mechanics and repairers .....	37,776	2.2	2,085	37,928	2.5	2,086	36,490	3.4	2,074
Automobile mechanics .....	50,242	7.0	2,080	—	—	—	—	—	—
Bus, truck, and stationary engine mechanics .....	37,209	3.7	2,080	36,826	5.0	2,080	—	—	—
Industrial machinery repairers .....	33,582	8.2	2,193	—	—	—	—	—	—
Mechanics and repairers, n.e.c. ....	39,621	5.1	2,078	39,621	5.1	2,078	—	—	—
Supervisors, construction trades, n.e.c. ....	34,916	5.1	2,078	34,984	5.2	2,078	—	—	—
Electricians .....	43,821	14.0	2,062	—	—	—	—	—	—
Plumbers, pipefitters and steamfitters .....	37,901	5.4	2,080	37,855	5.4	2,080	—	—	—
Plumbers, pipefitters and steamfitters .....	40,991	5.5	2,080	41,230	5.7	2,080	—	—	—

See footnotes at end of table.

Table 3-2. Mean annual earnings<sup>1</sup>, full-time workers:<sup>2</sup> Selected occupations, private industry and State and local government, National Compensation Survey, Cincinnati-Hamilton, OH-KY-IN, November 1999 — Continued

Occupation <sup>3</sup>	Total			Private industry			State and local government		
	Annual earnings		Mean annual hours <sup>5</sup>	Annual earnings		Mean annual hours <sup>5</sup>	Annual earnings		Mean annual hours <sup>5</sup>
	Mean	Relative error <sup>4</sup> (percent)		Mean	Relative error <sup>4</sup> (percent)		Mean	Relative error <sup>4</sup> (percent)	
<b>Blue collar</b> —Continued									
<b>Precision production, craft, and repair</b> —Continued									
Supervisors, production .....	\$43,267	5.1	2,087	\$43,267	5.1	2,087	—	—	—
Tool and die makers .....	44,053	6.1	2,080	44,053	6.1	2,080	—	—	—
Machinists .....	35,658	4.7	2,080	35,658	4.7	2,080	—	—	—
<b>Machine operators, assemblers, and inspectors</b> .....	27,862	2.5	2,072	27,896	2.5	2,072	—	—	—
Lathe and turning machine operators .....	30,539	8.5	2,080	30,539	8.5	2,080	—	—	—
Grinding, abrading, buffing, and polishing machine operators .....	26,904	7.0	2,076	26,904	7.0	2,076	—	—	—
Numerical control machine operators .....	31,350	5.7	2,080	31,350	5.7	2,080	—	—	—
Fabricating machine operators, n.e.c. ....	31,663	4.8	2,080	31,663	4.8	2,080	—	—	—
Molding and casting machine operators .....	25,913	6.3	2,076	25,913	6.3	2,076	—	—	—
Printing press operators .....	32,825	5.4	1,997	32,825	5.4	1,997	—	—	—
Photoengravers and lithographers .....	36,425	4.3	1,988	36,425	4.3	1,988	—	—	—
Mixing and blending machine operators .....	31,659	7.8	2,080	31,659	7.8	2,080	—	—	—
Painting and paint spraying machine operators .....	23,942	4.7	2,055	23,942	4.7	2,055	—	—	—
Slicing and cutting machine operators .....	24,502	7.9	2,074	24,502	7.9	2,074	—	—	—
Miscellaneous machine operators, n.e.c. ....	27,146	4.9	2,078	27,146	4.9	2,078	—	—	—
Welders and cutters .....	29,967	5.1	2,082	29,967	5.1	2,082	—	—	—
Assemblers .....	24,037	5.7	2,080	24,037	5.7	2,080	—	—	—
Production inspectors, checkers and examiners ...	28,463	8.0	2,077	28,410	8.2	2,077	—	—	—
<b>Transportation and material moving</b> .....	28,860	5.1	1,999	30,027	5.3	2,081	\$20,548	13.7	1,414
Truck drivers .....	31,386	6.9	2,105	31,565	7.4	2,108	—	—	—
Bus drivers .....	16,037	12.1	1,220	—	—	—	15,770	15.5	1,109
Industrial truck and tractor equipment operators .....	26,201	6.5	2,080	26,201	6.5	2,080	—	—	—
<b>Handlers, equipment cleaners, helpers, and laborers</b> .....	22,094	3.7	2,070	21,677	3.7	2,069	29,917	6.7	2,080
Construction laborers .....	25,549	6.9	2,080	25,579	7.5	2,080	—	—	—
Production helpers .....	29,054	11.2	2,054	29,054	11.2	2,054	—	—	—
Stock handlers and baggers ...	22,730	5.1	2,059	22,730	5.1	2,059	—	—	—
Machine feeders and offbearers .....	20,705	4.4	2,053	20,705	4.4	2,053	—	—	—
Freight, stock, and material handlers, n.e.c. ....	27,164	6.6	2,075	27,164	6.6	2,075	—	—	—
Vehicle washers and equipment cleaners .....	17,999	8.9	2,037	17,999	8.9	2,037	—	—	—
Hand packers and packagers .....	17,135	4.7	2,074	17,135	4.7	2,074	—	—	—
Laborers, except construction, n.e.c. ....	22,835	4.5	2,078	22,267	4.6	2,077	—	—	—
<b>Service</b> .....	23,264	5.9	2,048	18,634	4.8	2,021	33,539	7.0	2,108
Protective service .....	32,835	15.5	2,230	17,801	13.4	2,077	45,326	5.1	2,357

See footnotes at end of table.

Table 3-2. Mean annual earnings<sup>1</sup>, full-time workers:<sup>2</sup> Selected occupations, private industry and State and local government, National Compensation Survey, Cincinnati-Hamilton, OH-KY-IN, November 1999 — Continued

Occupation <sup>3</sup>	Total			Private industry			State and local government		
	Annual earnings		Mean annual hours <sup>5</sup>	Annual earnings		Mean annual hours <sup>5</sup>	Annual earnings		Mean annual hours <sup>5</sup>
	Mean	Relative error <sup>4</sup> (percent)		Mean	Relative error <sup>4</sup> (percent)		Mean	Relative error <sup>4</sup> (percent)	
<b>Service—Continued</b>									
Protective service—Continued									
Supervisors, police and detectives .....	\$47,235	13.5	2,105	—	—	—	\$47,235	13.5	2,105
Firefighting .....	52,328	7.7	2,746	—	—	—	52,328	7.7	2,746
Police and detectives, public service .....	43,377	4.2	2,173	—	—	—	43,377	4.2	2,173
Guards and police, except public service .....	17,126	12.7	2,077	\$17,082	12.7	2,077	—	—	—
Food service .....	16,051	8.9	1,957	15,555	10.2	1,975	19,333	7.4	1,843
Waiters, waitresses, and bartenders .....	6,505	12.4	1,802	6,505	12.4	1,802	—	—	—
Waiters and waitresses .....	4,885	7.4	1,772	4,885	7.4	1,772	—	—	—
Other food service .....	19,978	3.0	2,021	20,125	3.3	2,062	19,333	7.4	1,843
Supervisors, food preparation and service .....	28,227	8.0	2,080	28,227	8.0	2,080	—	—	—
Cooks .....	19,369	4.5	1,995	19,493	4.9	2,051	—	—	—
Food preparation, n.e.c. ....	18,635	5.0	2,024	17,973	5.7	2,067	19,680	9.1	1,958
Health service .....	19,113	2.3	2,008	18,790	2.2	2,005	—	—	—
Health aides, except nursing ..	21,256	3.9	2,065	20,342	3.7	2,062	—	—	—
Nursing aides, orderlies and attendants .....	18,250	2.4	1,986	18,250	2.4	1,986	—	—	—
Cleaning and building service .....	23,468	5.0	2,048	23,371	7.1	2,047	23,676	3.6	2,050
Supervisors, cleaning and building service workers ...	28,105	12.1	2,053	—	—	—	—	—	—
Maids and housemen .....	14,330	4.9	1,850	—	—	—	—	—	—
Janitors and cleaners .....	23,872	5.3	2,063	24,126	7.8	2,070	23,374	3.8	2,048
Personal service .....	14,565	4.9	1,748	15,782	5.5	1,994	12,096	10.8	1,249
Early childhood teachers' assistants .....	12,172	6.3	1,472	—	—	—	—	—	—
Service, n.e.c. ....	16,916	10.6	1,959	15,616	10.2	1,961	—	—	—

<sup>1</sup> 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.

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

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

<sup>4</sup> The relative standard error (RSE) is the standard error expressed as a

percent of the estimate. It can be used to calculate a "confidence interval" around a sample estimate. For more information about RSEs, see appendix A.

<sup>5</sup> 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. IN THIS SURVEY, THE NONRESPONSE RATE FOR ALL INDUSTRIES AND PRIVATE INDUSTRY EXCEEDED REGULAR SURVEY STANDARDS FOR PUBLICATION. ACCORDINGLY, USERS SHOULD INTERPRET THESE RESULTS WITH THIS LIMITATION IN MIND.

Table 4-1. Selected occupations<sup>1</sup> and levels,<sup>2</sup> all workers:<sup>3</sup> Mean hourly earnings,<sup>4</sup> private industry and State and local government, National Compensation Survey, Cincinnati-Hamilton, OH-KY-IN, November 1999

Occupation and level	Total		Private industry		State and local government	
	Mean	Relative error <sup>5</sup> (percent)	Mean	Relative error <sup>5</sup> (percent)	Mean	Relative error <sup>5</sup> (percent)
<b>All</b> .....	\$16.04	2.4	\$15.36	3.0	\$19.67	2.3
All excluding sales .....	16.27	2.4	15.59	3.0	19.69	2.3
<b>White collar</b> .....	19.33	3.2	18.59	4.1	22.50	3.1
1 .....	7.03	3.2	6.89	2.7	8.67	4.5
2 .....	7.73	3.8	7.66	3.7	—	—
3 .....	10.16	4.1	10.11	4.4	10.66	7.0
4 .....	11.33	2.9	11.27	3.2	11.83	3.9
5 .....	13.36	2.5	13.41	3.0	13.15	3.0
6 .....	14.64	2.8	14.74	3.4	14.29	4.2
7 .....	16.76	2.3	17.03	2.7	16.15	4.8
8 .....	19.08	2.9	18.76	3.3	21.29	3.0
9 .....	25.05	2.0	22.90	2.7	28.92	2.4
10 .....	25.03	6.9	25.21	7.2	—	—
11 .....	31.39	2.7	31.10	3.0	33.91	5.5
12 .....	34.81	3.1	34.84	3.5	34.62	3.7
13 .....	42.75	4.0	42.52	4.2	—	—
14 .....	51.24	3.4	49.97	3.7	—	—
Not able to be leveled .....	20.03	7.3	19.62	8.0	21.86	16.8
White collar excluding sales .....	20.16	3.0	19.54	3.9	22.54	3.1
1 .....	7.63	7.1	6.92	7.0	—	—
2 .....	8.31	2.8	8.23	2.8	—	—
3 .....	10.24	4.2	10.20	4.6	10.66	7.0
4 .....	11.36	3.0	11.30	3.5	11.83	3.9
5 .....	13.38	2.6	13.47	3.1	12.97	2.8
6 .....	14.88	2.9	15.08	3.5	14.29	4.2
7 .....	16.72	2.4	17.00	2.8	16.15	4.8
8 .....	19.09	2.9	18.75	3.4	21.29	3.0
9 .....	25.16	2.0	23.01	2.7	28.92	2.4
10 .....	23.44	2.8	23.55	3.0	—	—
11 .....	31.35	2.8	31.04	3.2	33.91	5.5
12 .....	34.84	3.2	34.87	3.6	34.62	3.7
13 .....	42.75	4.0	42.52	4.2	—	—
14 .....	51.24	3.4	49.97	3.7	—	—
Not able to be leveled .....	20.03	7.3	19.62	8.0	21.86	16.8
<b>Professional specialty and technical</b> .....	24.00	3.6	23.07	5.1	26.43	3.4
Professional specialty .....	25.89	3.7	25.07	5.4	27.68	3.3
5 .....	11.07	7.6	11.10	10.5	11.01	7.8
6 .....	15.91	4.1	—	—	—	—
7 .....	16.51	4.9	15.80	3.6	18.21	8.5
8 .....	19.91	4.4	19.85	4.9	20.43	7.8
9 .....	25.19	2.1	21.88	2.3	29.19	2.5
10 .....	21.53	4.5	21.49	4.7	—	—
11 .....	30.23	3.7	30.36	3.8	—	—
12 .....	35.95	6.3	36.39	7.1	—	—
13 .....	41.59	7.5	41.39	7.7	—	—
14 .....	51.21	3.8	—	—	—	—
Not able to be leveled .....	18.19	10.2	18.71	10.3	—	—
Engineers, architects, and surveyors .....	26.48	3.4	27.08	3.2	—	—
9 .....	24.62	3.2	25.32	2.4	—	—
11 .....	31.57	5.4	31.57	5.4	—	—
Industrial engineers .....	28.88	6.1	28.88	6.1	—	—
9 .....	26.65	3.9	26.65	3.9	—	—
Mechanical engineers .....	24.26	2.3	24.28	3.3	—	—
Mathematical and computer scientists .....	30.75	7.7	30.75	7.7	—	—
9 .....	24.49	9.9	24.49	9.9	—	—
11 .....	31.22	4.5	31.22	4.5	—	—
Computer systems analysts and scientists .....	31.88	6.3	31.88	6.3	—	—
11 .....	31.22	4.5	31.22	4.5	—	—
Operations and systems researchers and analysts .....	25.89	23.2	25.89	23.2	—	—
Natural scientists .....	27.33	9.1	27.33	9.1	—	—
Health related .....	21.27	2.7	20.89	2.7	22.70	6.9
7 .....	19.37	6.6	—	—	—	—
9 .....	20.74	1.9	20.18	1.2	24.16	7.3

See footnotes at end of table.

Table 4-1. Selected occupations<sup>1</sup> and levels,<sup>2</sup> all workers:<sup>3</sup> Mean hourly earnings,<sup>4</sup> private industry and State and local government, National Compensation Survey, Cincinnati-Hamilton, OH-KY-IN, November 1999 — Continued

Occupation and level	Total		Private industry		State and local government	
	Mean	Relative error <sup>5</sup> (percent)	Mean	Relative error <sup>5</sup> (percent)	Mean	Relative error <sup>5</sup> (percent)
<b>White collar –Continued</b>						
<b>Professional specialty and technical –Continued</b>						
Professional specialty –Continued						
Health related –Continued						
Registered nurses .....	\$20.71	1.5	\$20.41	1.3	\$22.37	6.3
9 .....	20.26	1.1	20.19	1.2	20.98	1.8
Teachers, college and university .....	46.56	4.8	47.03	4.4	45.17	12.5
9 .....	31.95	8.0	—	—	—	—
Teachers, except college and university .....	28.30	2.9	18.69	8.5	29.80	2.3
5 .....	10.30	5.2	11.17	5.0	—	—
9 .....	30.11	2.0	—	—	30.71	2.0
Elementary school teachers .....	29.89	2.7	—	—	30.28	2.7
9 .....	30.00	2.7	—	—	30.41	2.6
Secondary school teachers .....	30.47	3.2	—	—	31.73	2.6
9 .....	30.47	3.2	—	—	31.73	2.6
Teachers, n.e.c. ....	28.78	6.3	—	—	—	—
Librarians, archivists, and curators .....	20.66	13.5	—	—	21.18	16.3
Librarians .....	21.18	16.3	—	—	21.18	16.3
Social scientists and urban planners .....	—	—	—	—	—	—
Social, recreation, and religious workers .....	14.81	5.8	14.59	6.5	16.67	5.4
Social workers .....	15.54	3.8	15.45	4.0	16.46	7.8
Lawyers and judges .....	—	—	—	—	—	—
Writers, authors, entertainers, athletes, and professionals, n.e.c. ....	18.43	7.0	19.06	6.9	—	—
Not able to be leveled .....	16.61	6.6	16.61	6.6	—	—
Designers .....	19.08	11.3	—	—	—	—
Technical .....	17.95	7.4	17.89	8.7	18.30	6.9
5 .....	14.54	4.4	14.43	4.9	—	—
6 .....	14.61	4.5	14.64	4.6	—	—
7 .....	16.77	3.7	16.72	4.8	16.85	5.8
8 .....	20.19	4.0	19.58	4.7	—	—
9 .....	26.88	5.6	26.72	6.2	—	—
Radiological technicians .....	16.90	4.3	16.94	4.8	—	—
Licensed practical nurses .....	14.23	3.1	14.08	3.6	—	—
6 .....	13.94	3.5	13.96	3.6	—	—
7 .....	14.44	4.6	14.22	6.5	—	—
Health technologists and technicians, n.e.c. ....	12.30	9.2	11.50	6.1	—	—
5 .....	11.47	2.7	—	—	—	—
6 .....	13.05	2.8	13.05	2.8	—	—
Electrical and electronic technicians .....	17.58	6.8	16.79	7.5	—	—
Engineering technicians, n.e.c. ....	20.73	4.4	—	—	—	—
Technical and related, n.e.c. ....	17.59	6.3	17.74	6.7	—	—
<b>Executive, administrative, and managerial .....</b>	<b>27.11</b>	<b>3.2</b>	<b>27.22</b>	<b>3.4</b>	<b>26.52</b>	<b>7.9</b>
5 .....	12.46	6.7	12.10	8.3	—	—
6 .....	16.89	7.1	—	—	—	—
7 .....	17.56	6.4	19.42	5.1	—	—
8 .....	17.04	3.3	16.58	3.0	—	—
9 .....	24.57	5.6	24.71	6.1	23.21	4.8
10 .....	24.91	4.3	25.44	4.2	—	—
11 .....	31.40	3.2	30.61	3.7	35.72	5.0
12 .....	34.37	3.4	34.24	3.8	35.35	4.8
13 .....	43.81	3.6	—	—	—	—
Not able to be leveled .....	24.42	6.5	—	—	—	—
Executives, administrators, and managers .....	29.92	3.8	29.96	4.2	29.76	8.5
8 .....	17.61	5.8	16.68	3.3	—	—
9 .....	24.19	5.8	24.26	6.8	23.73	4.9
11 .....	32.20	4.4	30.91	5.9	35.72	5.0
12 .....	34.76	3.6	34.68	4.0	35.35	4.8
13 .....	43.81	3.6	—	—	—	—
Administrators and officials, public administration .....	27.78	6.3	—	—	28.44	7.5
Financial managers .....	29.99	11.0	—	—	—	—
Managers, marketing, advertising, and public relations .....	33.74	11.2	33.74	11.2	—	—

See footnotes at end of table.

Table 4-1. Selected occupations<sup>1</sup> and levels,<sup>2</sup> all workers:<sup>3</sup> Mean hourly earnings,<sup>4</sup> private industry and State and local government, National Compensation Survey, Cincinnati-Hamilton, OH-KY-IN, November 1999 — Continued

Occupation and level	Total		Private industry		State and local government	
	Mean	Relative error <sup>5</sup> (percent)	Mean	Relative error <sup>5</sup> (percent)	Mean	Relative error <sup>5</sup> (percent)
<b>White collar —Continued</b>						
<b>Executive, administrative, and managerial —Continued</b>						
Executives, administrators, and managers —Continued						
Administrators, education and related fields .....	\$29.91	13.3	\$21.39	12.8	\$31.99	15.7
11 .....	35.77	6.4	—	—	—	—
Managers, service organizations, n.e.c. ....	20.70	18.0	20.58	19.0	—	—
Managers and administrators, n.e.c. ....	33.20	4.3	33.37	4.4	—	—
9 .....	25.16	6.4	25.42	6.8	—	—
11 .....	33.73	5.8	33.83	6.3	—	—
12 .....	34.15	5.5	34.15	5.5	—	—
Management related .....	22.89	5.9	23.51	6.0	17.64	8.1
6 .....	16.96	7.2	—	—	—	—
7 .....	18.38	6.5	19.45	5.1	—	—
8 .....	16.74	4.1	16.52	4.2	—	—
9 .....	25.03	10.0	25.19	10.2	—	—
11 .....	30.30	4.9	30.30	4.9	—	—
Accountants and auditors .....	20.22	5.7	21.12	4.6	—	—
9 .....	20.50	4.4	20.50	4.4	—	—
Personnel, training, and labor relations specialists .....	26.57	12.8	26.64	12.8	—	—
Purchasing agents and buyers, n.e.c. ....	24.04	5.1	24.30	5.4	—	—
Management related, n.e.c. ....	23.74	19.2	24.80	20.7	—	—
<b>Sales .....</b>	<b>11.46</b>	<b>10.2</b>	<b>11.42</b>	<b>10.3</b>	<b>—</b>	<b>—</b>
1 .....	6.87	2.9	6.88	2.9	—	—
2 .....	6.85	2.7	6.85	2.7	—	—
3 .....	8.75	6.1	8.75	6.1	—	—
4 .....	11.02	8.0	11.02	8.0	—	—
5 .....	13.08	10.9	12.39	11.4	—	—
6 .....	12.73	5.0	12.73	5.0	—	—
Supervisors, sales .....	14.68	7.8	14.68	7.8	—	—
Sales representatives, mining, manufacturing, and wholesale .....	25.06	20.8	25.06	20.8	—	—
Cashiers .....	7.23	3.6	7.25	3.7	—	—
1 .....	6.80	3.9	6.81	4.0	—	—
2 .....	7.17	3.7	7.17	3.7	—	—
3 .....	9.32	6.8	9.32	6.8	—	—
Sales support, n.e.c. ....	8.36	12.5	7.88	10.3	—	—
1 .....	6.92	3.2	6.92	3.2	—	—
<b>Administrative support, including clerical .....</b>	<b>12.20</b>	<b>2.4</b>	<b>12.18</b>	<b>2.8</b>	<b>12.30</b>	<b>2.2</b>
1 .....	7.63	7.1	6.92	7.0	—	—
2 .....	8.31	2.8	8.23	2.8	—	—
3 .....	10.24	4.2	10.20	4.6	10.66	7.0
4 .....	11.45	3.0	11.39	3.4	11.83	3.9
5 .....	13.57	2.9	13.68	3.5	13.10	2.4
6 .....	14.47	3.8	15.07	5.1	13.32	3.7
7 .....	16.43	3.8	17.34	3.9	—	—
Supervisors, general office .....	20.96	10.4	20.96	10.4	—	—
Secretaries .....	13.06	3.2	13.26	4.6	12.68	2.9
3 .....	10.04	4.1	9.77	3.9	—	—
4 .....	11.42	4.7	10.96	5.8	12.40	5.2
5 .....	13.28	5.0	13.50	5.6	12.62	9.6
7 .....	17.41	8.4	19.14	6.2	—	—
Receptionists .....	9.75	2.9	9.75	2.9	—	—
3 .....	9.68	4.9	9.68	4.9	—	—
Information clerks, n.e.c. ....	9.93	11.0	9.93	11.0	—	—
Order clerks .....	11.63	9.7	11.63	9.9	—	—
Library clerks .....	10.07	6.6	—	—	10.07	6.6
File clerks .....	8.75	5.5	8.74	5.6	—	—
Records clerks, n.e.c. ....	12.51	4.1	11.89	5.8	—	—
Bookkeepers, accounting and auditing clerks .....	12.06	4.5	11.96	5.0	—	—
3 .....	10.28	3.8	10.28	3.9	—	—

See footnotes at end of table.

Table 4-1. Selected occupations<sup>1</sup> and levels,<sup>2</sup> all workers:<sup>3</sup> Mean hourly earnings,<sup>4</sup> private industry and State and local government, National Compensation Survey, Cincinnati-Hamilton, OH-KY-IN, November 1999 — Continued

Occupation and level	Total		Private industry		State and local government	
	Mean	Relative error <sup>5</sup> (percent)	Mean	Relative error <sup>5</sup> (percent)	Mean	Relative error <sup>5</sup> (percent)
<b>White collar</b> —Continued						
<b>Administrative support, including clerical</b> —Continued						
Bookkeepers, accounting and auditing clerks —Continued						
4 .....	\$11.56	4.2	\$11.26	4.5	—	—
5 .....	12.50	3.5	12.48	3.7	—	—
Billing clerks .....	12.09	6.1	12.09	6.1	—	—
Mail clerks, except postal service .....	9.23	8.5	9.25	9.1	—	—
Dispatchers .....	14.25	8.3	—	—	—	—
Production coordinators .....	17.23	5.0	17.23	5.0	—	—
Traffic, shipping and receiving clerks .....	12.35	5.3	12.35	5.3	—	—
Stock and inventory clerks .....	10.82	5.7	10.63	5.4	—	—
Investigators and adjusters, except insurance .....	13.79	8.8	13.79	8.8	—	—
3 .....	9.50	4.6	9.50	4.6	—	—
General office clerks .....	10.42	5.5	9.79	6.0	\$12.31	4.0
3 .....	9.26	4.1	9.05	4.6	10.20	5.1
4 .....	10.56	6.3	—	—	—	—
5 .....	13.22	3.6	—	—	—	—
Data entry keyers .....	10.20	6.2	10.14	6.7	—	—
3 .....	10.20	8.7	—	—	—	—
Teachers' aides .....	9.78	14.7	—	—	—	—
Administrative support, n.e.c. ....	11.34	4.0	11.34	4.4	11.34	8.7
4 .....	11.28	9.0	11.34	9.3	—	—
5 .....	11.91	6.2	—	—	—	—
<b>Blue collar</b> .....	13.96	2.1	13.84	2.2	15.81	3.4
1 .....	8.45	3.9	8.44	4.0	—	—
2 .....	9.59	2.7	9.36	2.2	—	—
3 .....	11.89	3.3	11.80	3.5	14.16	5.1
4 .....	13.74	4.6	13.75	4.6	—	—
5 .....	13.57	2.6	13.54	2.8	—	—
6 .....	15.96	1.8	16.03	2.1	15.67	2.8
7 .....	18.11	2.1	18.17	2.3	17.54	3.9
8 .....	21.09	1.7	—	—	—	—
9 .....	24.58	3.1	24.65	3.1	—	—
<b>Precision production, craft, and repair</b> .....	18.11	2.2	18.17	2.4	17.59	3.3
4 .....	12.99	9.7	—	—	—	—
5 .....	13.57	8.1	13.47	8.9	—	—
6 .....	16.04	3.1	16.00	3.5	—	—
7 .....	17.87	2.5	17.93	2.8	17.41	4.0
8 .....	20.90	1.8	21.07	1.9	—	—
9 .....	24.89	3.2	24.98	3.3	—	—
Supervisors, mechanics and repairers .....	24.15	7.0	—	—	—	—
Automobile mechanics .....	17.89	3.7	17.70	5.0	—	—
7 .....	16.71	5.0	—	—	—	—
Bus, truck, and stationary engine mechanics .....	15.31	5.0	—	—	—	—
Industrial machinery repairers .....	19.06	5.1	19.06	5.1	—	—
7 .....	19.02	6.8	19.02	6.8	—	—
Machinery maintenance .....	14.56	12.2	—	—	—	—
Mechanics and repairers, n.e.c. ....	16.80	5.2	16.83	5.2	—	—
7 .....	18.43	4.1	18.52	4.1	—	—
Supervisors, construction trades, n.e.c. ....	21.25	13.8	—	—	—	—
Electricians .....	18.22	5.4	18.20	5.5	—	—
7 .....	16.46	8.0	16.37	8.2	—	—
Plumbers, pipefitters and steamfitters .....	19.71	5.5	19.82	5.7	—	—
7 .....	19.24	6.8	19.24	6.8	—	—
Supervisors, production .....	20.73	5.1	20.73	5.1	—	—
7 .....	17.71	3.2	17.71	3.2	—	—
9 .....	25.05	4.7	25.05	4.7	—	—
Tool and die makers .....	21.18	6.1	21.18	6.1	—	—
Machinists .....	17.14	4.7	17.14	4.7	—	—
7 .....	16.41	3.3	16.41	3.3	—	—

See footnotes at end of table.



Table 4-1. Selected occupations<sup>1</sup> and levels,<sup>2</sup> all workers:<sup>3</sup> Mean hourly earnings,<sup>4</sup> private industry and State and local government, National Compensation Survey, Cincinnati-Hamilton, OH-KY-IN, November 1999 — Continued

Occupation and level	Total		Private industry		State and local government	
	Mean	Relative error <sup>5</sup> (percent)	Mean	Relative error <sup>5</sup> (percent)	Mean	Relative error <sup>5</sup> (percent)
<b>Blue collar —Continued</b>						
<b>Machine operators, assemblers, and inspectors</b> .....	\$13.42	2.6	\$13.43	2.6	—	—
1 .....	9.04	4.2	9.04	4.2	—	—
2 .....	8.93	5.6	8.87	6.3	—	—
3 .....	11.46	4.8	11.46	4.8	—	—
4 .....	13.74	4.3	13.74	4.3	—	—
5 .....	13.44	2.6	13.44	2.6	—	—
6 .....	15.56	3.6	15.57	3.6	—	—
7 .....	18.71	4.1	18.71	4.1	—	—
Lathe and turning machine operators .....	14.68	8.4	14.68	8.4	—	—
Grinding, abrading, buffing, and polishing machine operators .....	12.96	7.0	12.96	7.0	—	—
Numerical control machine operators .....	15.07	5.7	15.07	5.7	—	—
Fabricating machine operators, n.e.c. ....	15.22	4.8	15.22	4.8	—	—
Molding and casting machine operators .....	12.49	6.3	12.49	6.3	—	—
Printing press operators .....	16.44	5.3	16.44	5.3	—	—
7 .....	19.42	5.9	19.42	5.9	—	—
Photoengravers and lithographers .....	18.32	6.8	18.32	6.8	—	—
7 .....	19.08	7.7	19.08	7.7	—	—
Mixing and blending machine operators .....	15.22	7.8	15.22	7.8	—	—
Painting and paint spraying machine operators ...	11.65	5.2	11.65	5.2	—	—
Slicing and cutting machine operators .....	11.82	7.9	11.82	7.9	—	—
Miscellaneous machine operators, n.e.c. ....	13.00	4.8	13.00	4.8	—	—
4 .....	13.86	6.9	13.86	6.9	—	—
5 .....	13.70	7.4	13.70	7.4	—	—
Welders and cutters .....	14.39	5.0	14.39	5.0	—	—
Assemblers .....	11.55	5.7	11.55	5.7	—	—
3 .....	11.25	10.8	11.25	10.8	—	—
5 .....	13.93	7.4	13.93	7.4	—	—
Production inspectors, checkers and examiners ..	13.71	8.0	13.68	8.2	—	—
<b>Transportation and material moving</b> .....	13.86	5.5	13.79	6.2	\$14.47	3.1
1 .....	6.92	5.2	6.90	5.4	—	—
2 .....	10.78	10.9	—	—	—	—
3 .....	13.18	4.9	12.98	6.0	14.19	5.7
4 .....	14.88	11.6	14.93	11.9	—	—
5 .....	13.63	5.0	13.63	5.0	—	—
6 .....	15.82	3.6	16.17	3.6	—	—
7 .....	19.42	6.7	19.33	7.0	—	—
Truck drivers .....	14.91	7.0	14.97	7.6	—	—
3 .....	12.87	13.7	12.87	13.7	—	—
4 .....	16.84	8.4	16.84	8.4	—	—
Bus drivers .....	13.53	4.8	—	—	14.25	3.7
3 .....	13.68	5.9	—	—	14.19	5.7
Motor transportation, n.e.c. ....	6.38	3.6	6.38	3.6	—	—
Industrial truck and tractor equipment operators ..	12.60	6.5	12.60	6.5	—	—
<b>Handlers, equipment cleaners, helpers, and laborers</b>	10.56	3.4	10.38	3.4	14.23	6.8
1 .....	8.56	4.7	8.55	4.8	—	—
2 .....	9.47	2.3	9.48	2.3	—	—
3 .....	11.66	4.8	11.63	4.9	—	—
4 .....	12.26	3.3	12.26	3.3	—	—
5 .....	14.15	5.5	14.51	8.6	—	—
6 .....	16.94	2.6	—	—	—	—
Construction laborers .....	12.28	6.9	12.30	7.5	—	—
Production helpers .....	14.15	10.5	14.15	10.5	—	—
Stock handlers and baggers .....	10.36	5.3	10.36	5.3	—	—
1 .....	7.83	8.4	7.83	8.4	—	—
3 .....	10.52	4.9	10.52	4.9	—	—
Machine feeders and offbearers .....	10.09	4.5	10.09	4.5	—	—
2 .....	9.40	5.4	9.40	5.4	—	—
Freight, stock, and material handlers, n.e.c. ....	12.39	5.6	12.39	5.6	—	—
1 .....	11.27	6.1	11.27	6.1	—	—
4 .....	11.54	7.1	11.54	7.1	—	—

See footnotes at end of table.

Table 4-1. Selected occupations<sup>1</sup> and levels,<sup>2</sup> all workers:<sup>3</sup> Mean hourly earnings,<sup>4</sup> private industry and State and local government, National Compensation Survey, Cincinnati-Hamilton, OH-KY-IN, November 1999 — Continued

Occupation and level	Total		Private industry		State and local government	
	Mean	Relative error <sup>5</sup> (percent)	Mean	Relative error <sup>5</sup> (percent)	Mean	Relative error <sup>5</sup> (percent)
<b>Blue collar</b> —Continued						
<b>Handlers, equipment cleaners, helpers, and laborers</b>						
—Continued						
Vehicle washers and equipment cleaners .....	\$8.84	7.8	\$8.84	7.8	—	—
Hand packers and packagers .....	8.26	4.7	8.26	4.7	—	—
1 .....	7.56	4.6	7.56	4.6	—	—
2 .....	9.49	4.4	9.49	4.4	—	—
Laborers, except construction, n.e.c. ....	10.85	4.3	10.58	4.5	—	—
1 .....	9.88	14.9	9.90	15.0	—	—
2 .....	9.16	4.7	9.16	4.7	—	—
3 .....	11.62	2.8	11.53	2.8	—	—
<b>Service</b> .....	10.16	4.6	8.26	3.7	\$15.35	5.3
1 .....	6.77	6.6	6.55	6.9	9.52	5.6
2 .....	7.25	5.4	7.08	5.7	9.43	9.2
3 .....	8.76	3.0	8.46	3.5	10.18	3.8
4 .....	10.29	4.2	9.39	3.9	11.45	5.2
5 .....	12.46	4.2	12.33	6.7	12.67	2.8
6 .....	14.07	5.5	14.20	4.1	14.00	8.3
7 .....	19.12	4.4	—	—	19.65	5.2
8 .....	18.30	2.6	—	—	18.51	3.2
9 .....	21.60	2.4	—	—	21.45	2.4
Protective service .....	14.65	13.2	8.61	13.3	19.10	3.9
2 .....	6.51	3.8	—	—	—	—
5 .....	12.40	4.1	—	—	12.60	4.2
6 .....	14.27	8.4	—	—	—	—
7 .....	19.25	5.0	—	—	19.67	5.3
8 .....	18.51	3.2	—	—	18.51	3.2
9 .....	21.45	2.4	—	—	21.45	2.4
Supervisors, police and detectives .....	22.44	14.0	—	—	22.44	14.0
Firefighting .....	18.84	7.8	—	—	18.84	7.8
Police and detectives, public service .....	19.96	3.5	—	—	19.96	3.5
8 .....	18.51	3.2	—	—	18.51	3.2
Guards and police, except public service .....	8.30	12.7	8.28	12.7	—	—
Food service .....	6.77	5.6	6.47	6.1	10.09	5.9
1 .....	5.44	11.5	5.11	11.6	—	—
2 .....	5.58	8.4	5.36	9.2	8.64	5.2
3 .....	7.95	8.0	7.78	8.8	10.63	7.2
4 .....	9.13	9.2	—	—	—	—
Waiters, waitresses, and bartenders .....	3.24	7.6	3.24	7.6	—	—
1 .....	2.99	9.0	2.99	9.0	—	—
2 .....	2.74	10.6	2.74	10.6	—	—
Waiters and waitresses .....	2.72	6.2	2.72	6.2	—	—
1 .....	2.64	7.3	2.64	7.3	—	—
2 .....	2.60	10.2	2.60	10.2	—	—
Other food service .....	8.46	3.7	8.23	4.2	10.09	5.9
1 .....	7.38	5.9	7.06	5.8	—	—
2 .....	7.08	3.4	6.89	3.4	8.64	5.2
3 .....	9.14	3.0	9.01	3.2	10.63	7.2
Supervisors, food preparation and service .....	13.02	8.5	13.02	8.5	—	—
Cooks .....	8.91	5.2	8.72	5.7	—	—
2 .....	7.17	7.7	—	—	—	—
Kitchen workers, food preparation .....	8.60	6.3	8.60	6.3	—	—
Food preparation, n.e.c. ....	7.70	4.5	7.22	4.5	9.79	7.0
1 .....	7.41	5.4	7.18	5.2	—	—
3 .....	9.89	1.4	—	—	—	—
Health service .....	9.49	1.7	9.34	1.6	—	—
3 .....	8.86	2.0	8.86	2.0	—	—
Health aides, except nursing .....	10.33	3.8	9.86	3.9	—	—
Nursing aides, orderlies and attendants .....	9.17	1.8	9.17	1.8	—	—
3 .....	8.88	2.0	8.88	2.0	—	—
Cleaning and building service .....	10.82	5.3	10.56	7.4	11.46	3.4
1 .....	8.14	7.1	7.95	7.5	—	—
2 .....	10.27	9.3	10.13	10.9	10.96	13.5

See footnotes at end of table.

Table 4-1. Selected occupations<sup>1</sup> and levels,<sup>2</sup> all workers:<sup>3</sup> Mean hourly earnings,<sup>4</sup> private industry and State and local government, National Compensation Survey, Cincinnati-Hamilton, OH-KY-IN, November 1999 — Continued

Occupation and level	Total		Private industry		State and local government	
	Mean	Relative error <sup>5</sup> (percent)	Mean	Relative error <sup>5</sup> (percent)	Mean	Relative error <sup>5</sup> (percent)
<b>Service—Continued</b>						
Cleaning and building service—Continued						
3 .....	\$10.71	4.5	\$10.41	9.3	\$10.96	3.1
4 .....	11.22	6.2	—	—	—	—
5 .....	13.92	8.2	—	—	—	—
Supervisors, cleaning and building service workers .....	13.69	13.3	—	—	—	—
Maids and housemen .....	7.75	2.7	—	—	—	—
Janitors and cleaners .....	10.84	5.8	10.63	8.2	11.32	3.6
1 .....	8.19	7.8	7.99	8.2	—	—
2 .....	10.54	9.9	10.41	11.7	—	—
3 .....	10.69	4.7	—	—	10.96	3.1
4 .....	11.22	6.2	—	—	—	—
Personal service .....	8.07	3.9	7.72	3.9	9.16	5.4
1 .....	7.01	3.3	7.02	3.5	—	—
2 .....	7.11	4.3	—	—	—	—
3 .....	8.44	3.6	7.88	5.1	—	—
4 .....	9.78	6.7	—	—	—	—
Early childhood teachers' assistants .....	8.36	6.8	—	—	—	—
Child care workers, n.e.c. ....	8.87	3.4	—	—	—	—
Service, n.e.c. ....	8.35	7.8	7.79	6.5	—	—
1 .....	7.56	8.7	7.56	8.7	—	—

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

<sup>2</sup> 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.

<sup>3</sup> All workers include full-time and part-time workers.

<sup>4</sup> Earnings are the straight-time hourly wages or salaries paid to employees. They include incentive pay, cost-of-living adjustments, and hazard pay. Excluded are premium pay for overtime, vacations, holidays, nonproduction bonuses, and tips. The mean is computed by totaling the pay

of all workers and dividing by the number of workers, weighted by hours.

<sup>5</sup> The relative standard error (RSE) is the standard error expressed as a percent of the estimate. It can be used to calculate a "confidence interval" around a sample estimate. For more information about RSEs, see 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. IN THIS SURVEY, THE NONRESPONSE RATE FOR ALL INDUSTRIES AND PRIVATE INDUSTRY EXCEEDED REGULAR SURVEY STANDARDS FOR PUBLICATION. ACCORDINGLY, USERS SHOULD INTERPRET THESE RESULTS WITH THIS LIMITATION IN MIND.

Table 4-2. Selected occupations<sup>1</sup> and levels,<sup>2</sup> full-time workers:<sup>3</sup> Mean hourly earnings,<sup>4</sup> private industry and State and local government, National Compensation Survey, Cincinnati-Hamilton, OH-KY-IN, November 1999

Occupation and level	Total		Private industry		State and local government	
	Mean	Relative error <sup>5</sup> (percent)	Mean	Relative error <sup>5</sup> (percent)	Mean	Relative error <sup>5</sup> (percent)
<b>All</b> .....	\$16.70	2.4	\$16.01	2.9	\$20.19	2.5
All excluding sales .....	16.85	2.4	16.16	3.0	20.20	2.5
<b>White collar</b> .....	19.89	3.0	19.14	3.8	23.00	3.2
1 .....	7.11	5.2	7.11	5.2	—	—
2 .....	8.06	3.9	7.98	3.9	—	—
3 .....	10.34	4.5	10.28	4.8	10.98	7.5
4 .....	11.32	2.5	11.25	2.8	11.90	4.0
5 .....	13.49	2.6	13.53	3.1	13.34	2.9
6 .....	14.68	2.9	14.78	3.5	14.31	4.3
7 .....	16.83	2.4	17.06	2.7	16.26	5.2
8 .....	19.09	2.9	18.76	3.3	21.39	2.9
9 .....	25.37	2.0	23.21	2.9	28.93	2.4
10 .....	25.06	7.0	25.21	7.2	—	—
11 .....	31.41	2.7	31.11	3.0	33.91	5.5
12 .....	34.55	3.2	34.54	3.6	34.62	3.7
13 .....	42.75	4.0	42.52	4.2	—	—
14 .....	51.24	3.4	49.97	3.7	—	—
Not able to be leveled .....	19.49	7.1	19.67	8.0	—	—
White collar excluding sales .....	20.46	2.9	19.79	3.8	23.02	3.2
2 .....	8.55	2.7	8.45	2.6	—	—
3 .....	10.34	4.6	10.28	5.0	10.98	7.5
4 .....	11.35	2.6	11.27	2.9	11.90	4.0
5 .....	13.52	2.6	13.60	3.2	13.16	2.7
6 .....	14.93	3.0	15.14	3.6	14.31	4.3
7 .....	16.79	2.5	17.03	2.9	16.26	5.2
8 .....	19.10	2.9	18.75	3.4	21.39	2.9
9 .....	25.49	2.0	23.34	2.9	28.93	2.4
10 .....	23.45	2.9	23.55	3.0	—	—
11 .....	31.37	2.8	31.05	3.2	33.91	5.5
12 .....	34.58	3.2	34.58	3.6	34.62	3.7
13 .....	42.75	4.0	42.52	4.2	—	—
14 .....	51.24	3.4	49.97	3.7	—	—
Not able to be leveled .....	19.49	7.1	19.67	8.0	—	—
<b>Professional specialty and technical</b> .....	24.09	3.3	23.00	4.7	26.89	3.4
Professional specialty .....	25.89	3.3	24.91	4.9	27.93	3.4
5 .....	11.27	8.4	11.15	11.0	—	—
6 .....	15.91	4.1	—	—	—	—
7 .....	16.50	5.0	15.78	3.6	18.28	8.8
8 .....	19.93	4.4	19.85	4.9	20.71	7.7
9 .....	25.63	2.1	22.21	2.6	29.20	2.5
10 .....	21.49	4.7	21.49	4.7	—	—
11 .....	30.23	3.8	30.37	3.9	—	—
12 .....	35.12	6.7	35.45	7.7	—	—
13 .....	41.59	7.5	41.39	7.7	—	—
14 .....	51.21	3.8	—	—	—	—
Not able to be leveled .....	18.24	10.2	18.77	10.3	—	—
Engineers, architects, and surveyors .....	26.48	3.4	27.08	3.2	—	—
9 .....	24.62	3.2	25.32	2.4	—	—
11 .....	31.57	5.4	31.57	5.4	—	—
Industrial engineers .....	28.88	6.1	28.88	6.1	—	—
9 .....	26.65	3.9	26.65	3.9	—	—
Mechanical engineers .....	24.26	2.3	24.28	3.3	—	—
Mathematical and computer scientists .....	30.75	7.7	30.75	7.7	—	—
9 .....	24.49	9.9	24.49	9.9	—	—
11 .....	31.22	4.5	31.22	4.5	—	—
Computer systems analysts and scientists .....	31.88	6.3	31.88	6.3	—	—
11 .....	31.22	4.5	31.22	4.5	—	—
Operations and systems researchers and analysts .....	25.89	23.2	25.89	23.2	—	—
Natural scientists .....	27.33	9.1	27.33	9.1	—	—
Health related .....	21.22	3.4	20.71	3.6	22.80	7.2
9 .....	20.81	2.6	20.06	1.6	24.49	7.6
Registered nurses .....	20.48	1.7	20.03	1.2	22.52	6.7

See footnotes at end of table.

Table 4-2. **Selected occupations<sup>1</sup> and levels,<sup>2</sup> full-time workers:<sup>3</sup> Mean hourly earnings,<sup>4</sup> private industry and State and local government, National Compensation Survey, Cincinnati-Hamilton, OH-KY-IN, November 1999 — Continued**

Occupation and level	Total		Private industry		State and local government	
	Mean	Relative error <sup>5</sup> (percent)	Mean	Relative error <sup>5</sup> (percent)	Mean	Relative error <sup>5</sup> (percent)
<b>White collar —Continued</b>						
<b>Professional specialty and technical —Continued</b>						
Professional specialty —Continued						
Health related —Continued						
Registered nurses —Continued						
9 .....	\$20.08	1.5	\$19.97	1.7	\$21.08	2.0
Teachers, college and university .....	43.83	5.8	42.82	6.3	—	—
Teachers, except college and university .....	28.67	3.0	18.95	8.7	30.12	2.4
9 .....	30.07	2.0	—	—	30.64	2.0
Elementary school teachers .....	29.93	2.7	—	—	30.28	2.7
9 .....	30.04	2.6	—	—	30.41	2.6
Secondary school teachers .....	30.25	3.1	—	—	31.51	2.4
9 .....	30.25	3.1	—	—	31.51	2.4
Librarians, archivists, and curators .....	20.66	13.5	—	—	21.18	16.3
Librarians .....	21.18	16.3	—	—	21.18	16.3
Social scientists and urban planners .....	—	—	—	—	—	—
Social, recreation, and religious workers .....	14.87	6.0	14.64	6.8	16.67	5.4
Social workers .....	15.65	3.9	15.57	4.2	16.46	7.8
Lawyers and judges .....	—	—	—	—	—	—
Writers, authors, entertainers, athletes, and professionals, n.e.c. ....	18.44	7.0	19.07	6.9	—	—
Designers .....	19.08	11.3	—	—	—	—
Technical .....	18.32	7.4	18.21	8.6	19.05	6.6
5 .....	14.63	4.4	14.53	4.9	—	—
6 .....	14.74	4.9	14.76	4.9	—	—
7 .....	17.08	3.9	16.83	4.9	—	—
8 .....	20.19	4.0	19.58	4.7	—	—
9 .....	26.88	5.6	26.72	6.2	—	—
Licensed practical nurses .....	14.08	3.8	14.03	3.9	—	—
6 .....	13.82	4.0	—	—	—	—
7 .....	14.32	6.3	14.22	6.5	—	—
Health technologists and technicians, n.e.c. ....	12.64	8.6	11.77	5.1	—	—
6 .....	13.05	2.8	13.05	2.8	—	—
Electrical and electronic technicians .....	17.62	6.8	16.84	7.5	—	—
Engineering technicians, n.e.c. ....	20.73	4.4	—	—	—	—
Technical and related, n.e.c. ....	18.11	6.1	18.31	6.5	—	—
<b>Executive, administrative, and managerial .....</b>	<b>27.17</b>	<b>3.2</b>	<b>27.32</b>	<b>3.4</b>	<b>26.38</b>	<b>8.0</b>
5 .....	12.96	6.3	12.68	8.2	—	—
6 .....	16.89	7.1	—	—	—	—
7 .....	17.56	6.4	19.42	5.1	—	—
8 .....	17.04	3.3	16.58	3.0	—	—
9 .....	24.57	5.6	24.72	6.1	23.21	4.8
10 .....	24.91	4.3	25.44	4.2	—	—
11 .....	31.42	3.2	30.63	3.7	35.72	5.0
12 .....	34.37	3.4	34.24	3.8	35.35	4.8
13 .....	43.81	3.6	—	—	—	—
Executives, administrators, and managers .....	30.05	3.8	30.16	4.2	29.59	8.6
8 .....	17.61	5.8	16.68	3.3	—	—
9 .....	24.19	5.9	24.27	6.9	23.73	4.9
11 .....	32.23	4.4	30.95	5.9	35.72	5.0
12 .....	34.76	3.6	34.68	4.0	35.35	4.8
13 .....	43.81	3.6	—	—	—	—
Administrators and officials, public administration .....	27.78	6.3	—	—	28.44	7.5
Financial managers .....	29.99	11.0	—	—	—	—
Managers, marketing, advertising, and public relations .....	33.74	11.2	33.74	11.2	—	—
Administrators, education and related fields .....	30.04	13.5	21.13	14.3	31.99	15.7
11 .....	35.97	6.4	—	—	—	—
Managers, service organizations, n.e.c. ....	20.70	18.0	20.58	19.0	—	—
Managers and administrators, n.e.c. ....	33.20	4.3	33.37	4.4	—	—
9 .....	25.16	6.4	25.42	6.8	—	—
11 .....	33.73	5.8	33.83	6.3	—	—

See footnotes at end of table.

Table 4-2. **Selected occupations<sup>1</sup> and levels,<sup>2</sup> full-time workers:<sup>3</sup> Mean hourly earnings,<sup>4</sup> private industry and State and local government, National Compensation Survey, Cincinnati-Hamilton, OH-KY-IN, November 1999 — Continued**

Occupation and level	Total		Private industry		State and local government	
	Mean	Relative error <sup>5</sup> (percent)	Mean	Relative error <sup>5</sup> (percent)	Mean	Relative error <sup>5</sup> (percent)
<b>White collar —Continued</b>						
<b>Executive, administrative, and managerial —Continued</b>						
Executives, administrators, and managers —Continued						
Managers and administrators, n.e.c. —Continued						
12 .....	\$34.15	5.5	\$34.15	5.5	—	—
Management related .....	22.89	5.9	23.51	6.0	\$17.64	8.1
6 .....	16.96	7.2	—	—	—	—
7 .....	18.38	6.5	19.45	5.1	—	—
8 .....	16.74	4.1	16.52	4.2	—	—
9 .....	25.03	10.0	25.19	10.2	—	—
11 .....	30.30	4.9	30.30	4.9	—	—
Accountants and auditors .....	20.22	5.7	21.12	4.6	—	—
9 .....	20.50	4.4	20.50	4.4	—	—
Personnel, training, and labor relations specialists .....						
	26.57	12.8	26.64	12.8	—	—
Purchasing agents and buyers, n.e.c. ....	24.04	5.1	24.30	5.4	—	—
Management related, n.e.c. ....	23.74	19.2	24.80	20.7	—	—
<b>Sales .....</b>						
	13.05	11.5	13.00	11.7	—	—
1 .....	7.01	5.3	7.01	5.3	—	—
2 .....	7.07	4.1	7.07	4.1	—	—
4 .....	11.06	8.3	11.06	8.3	—	—
5 .....	13.08	10.9	12.39	11.4	—	—
6 .....	12.73	5.0	12.73	5.0	—	—
Supervisors, sales .....	14.68	7.8	14.68	7.8	—	—
Sales representatives, mining, manufacturing, and wholesale .....						
	25.06	20.8	25.06	20.8	—	—
Cashiers .....	7.66	7.5	7.66	7.5	—	—
Sales support, n.e.c. ....	9.04	16.7	8.37	14.3	—	—
<b>Administrative support, including clerical .....</b>						
	12.48	2.4	12.45	2.8	12.61	2.1
2 .....	8.55	2.7	8.45	2.6	—	—
3 .....	10.34	4.6	10.28	5.0	10.98	7.5
4 .....	11.39	2.5	11.31	2.9	11.90	4.0
5 .....	13.64	3.0	13.77	3.6	13.10	2.4
6 .....	14.47	3.8	15.07	5.1	13.32	3.7
7 .....	16.43	3.8	17.34	3.9	—	—
Supervisors, general office .....	20.96	10.4	20.96	10.4	—	—
Secretaries .....	13.09	3.3	13.32	4.8	12.68	2.9
3 .....	10.04	4.1	9.77	3.9	—	—
4 .....	11.42	4.7	10.96	5.8	12.40	5.2
5 .....	13.44	5.5	13.78	6.4	12.62	9.6
7 .....	17.41	8.4	19.14	6.2	—	—
Receptionists .....	9.82	3.0	9.82	3.0	—	—
3 .....	9.77	5.2	9.77	5.2	—	—
Information clerks, n.e.c. ....	10.17	10.9	10.17	10.9	—	—
Order clerks .....	12.02	10.2	12.02	10.4	—	—
Library clerks .....	10.41	8.1	—	—	10.41	8.1
File clerks .....	8.82	6.8	8.82	6.9	—	—
Records clerks, n.e.c. ....	12.51	4.1	11.89	5.8	—	—
Bookkeepers, accounting and auditing clerks .....	12.11	4.7	12.00	5.2	—	—
3 .....	10.28	3.9	10.28	3.9	—	—
4 .....	11.60	4.5	11.27	4.9	—	—
5 .....	12.49	3.6	12.47	3.8	—	—
Billing clerks .....	12.18	6.2	12.18	6.2	—	—
Dispatchers .....	14.25	8.3	—	—	—	—
Production coordinators .....	17.23	5.0	17.23	5.0	—	—
Stock and inventory clerks .....	10.89	5.8	10.63	5.4	—	—
Investigators and adjusters, except insurance .....	13.89	8.8	13.89	8.8	—	—
General office clerks .....	10.92	4.8	10.24	5.3	12.86	2.8
3 .....	9.29	4.5	9.04	4.6	—	—
5 .....	13.22	3.6	—	—	—	—

See footnotes at end of table.

Table 4-2. **Selected occupations<sup>1</sup> and levels,<sup>2</sup> full-time workers:<sup>3</sup> Mean hourly earnings,<sup>4</sup> private industry and State and local government, National Compensation Survey, Cincinnati-Hamilton, OH-KY-IN, November 1999 — Continued**

Occupation and level	Total		Private industry		State and local government	
	Mean	Relative error <sup>5</sup> (percent)	Mean	Relative error <sup>5</sup> (percent)	Mean	Relative error <sup>5</sup> (percent)
<b>White collar —Continued</b>						
<b>Administrative support, including clerical —Continued</b>						
Data entry keyers .....	\$10.37	5.7	\$10.31	6.2	—	—
Administrative support, n.e.c. ....	11.90	4.8	12.02	5.6	\$11.34	8.7
4 .....	11.46	10.7	—	—	—	—
<b>Blue collar</b>						
.....	14.17	2.1	14.06	2.2	15.97	3.6
1 .....	8.50	4.1	8.49	4.1	—	—
2 .....	9.47	2.1	9.47	2.2	—	—
3 .....	11.97	3.4	11.88	3.6	—	—
4 .....	13.99	4.0	14.00	4.1	—	—
5 .....	13.57	2.6	13.54	2.8	—	—
6 .....	15.96	1.8	16.03	2.1	15.67	2.8
7 .....	18.11	2.1	18.17	2.3	17.54	3.9
8 .....	21.09	1.7	—	—	—	—
9 .....	24.58	3.1	24.65	3.1	—	—
<b>Precision production, craft, and repair</b>						
.....	18.12	2.2	18.18	2.4	17.59	3.3
4 .....	12.99	9.7	—	—	—	—
5 .....	13.57	8.1	13.47	8.9	—	—
6 .....	16.04	3.1	16.00	3.5	—	—
7 .....	17.87	2.6	17.93	2.8	17.41	4.0
8 .....	20.90	1.8	21.07	1.9	—	—
9 .....	24.89	3.2	24.98	3.3	—	—
Supervisors, mechanics and repairers .....	24.15	7.0	—	—	—	—
Automobile mechanics .....	17.89	3.7	17.70	5.0	—	—
7 .....	16.71	5.0	—	—	—	—
Bus, truck, and stationary engine mechanics .....	15.31	5.0	—	—	—	—
Industrial machinery repairers .....	19.06	5.1	19.06	5.1	—	—
7 .....	19.02	6.8	19.02	6.8	—	—
Mechanics and repairers, n.e.c. ....	16.80	5.2	16.83	5.2	—	—
7 .....	18.43	4.1	18.52	4.1	—	—
Supervisors, construction trades, n.e.c. ....	21.25	13.8	—	—	—	—
Electricians .....	18.22	5.4	18.20	5.5	—	—
7 .....	16.46	8.0	16.37	8.2	—	—
Plumbers, pipefitters and steamfitters .....	19.71	5.5	19.82	5.7	—	—
7 .....	19.24	6.8	19.24	6.8	—	—
Supervisors, production .....	20.73	5.1	20.73	5.1	—	—
7 .....	17.71	3.2	17.71	3.2	—	—
9 .....	25.05	4.7	25.05	4.7	—	—
Tool and die makers .....	21.18	6.1	21.18	6.1	—	—
Machinists .....	17.14	4.7	17.14	4.7	—	—
7 .....	16.41	3.3	16.41	3.3	—	—
<b>Machine operators, assemblers, and inspectors</b>						
.....	13.44	2.6	13.46	2.6	—	—
1 .....	9.04	4.2	9.04	4.2	—	—
2 .....	9.12	5.7	9.07	6.5	—	—
3 .....	11.46	4.8	11.46	4.8	—	—
4 .....	13.74	4.3	13.74	4.3	—	—
5 .....	13.44	2.6	13.44	2.6	—	—
6 .....	15.56	3.6	15.57	3.6	—	—
7 .....	18.71	4.1	18.71	4.1	—	—
Lathe and turning machine operators .....	14.68	8.4	14.68	8.4	—	—
Grinding, abrading, buffing, and polishing machine operators .....	12.96	7.0	12.96	7.0	—	—
Numerical control machine operators .....	15.07	5.7	15.07	5.7	—	—
Fabricating machine operators, n.e.c. ....	15.22	4.8	15.22	4.8	—	—
Molding and casting machine operators .....	12.49	6.3	12.49	6.3	—	—
Printing press operators .....	16.44	5.3	16.44	5.3	—	—
7 .....	19.42	5.9	19.42	5.9	—	—
Photoengravers and lithographers .....	18.32	6.8	18.32	6.8	—	—
7 .....	19.08	7.7	19.08	7.7	—	—
Mixing and blending machine operators .....	15.22	7.8	15.22	7.8	—	—

See footnotes at end of table.

Table 4-2. **Selected occupations<sup>1</sup> and levels,<sup>2</sup> full-time workers:<sup>3</sup> Mean hourly earnings,<sup>4</sup> private industry and State and local government, National Compensation Survey, Cincinnati-Hamilton, OH-KY-IN, November 1999 — Continued**

Occupation and level	Total		Private industry		State and local government	
	Mean	Relative error <sup>5</sup> (percent)	Mean	Relative error <sup>5</sup> (percent)	Mean	Relative error <sup>5</sup> (percent)
<b>Blue collar —Continued</b>						
<b>Machine operators, assemblers, and inspectors</b>						
—Continued						
Painting and paint spraying machine operators ...	\$11.65	5.2	\$11.65	5.2	—	—
Slicing and cutting machine operators .....	11.82	7.9	11.82	7.9	—	—
Miscellaneous machine operators, n.e.c. ....	13.06	4.8	13.06	4.8	—	—
4 .....	13.86	6.9	13.86	6.9	—	—
5 .....	13.70	7.4	13.70	7.4	—	—
Welders and cutters .....	14.39	5.0	14.39	5.0	—	—
Assemblers .....	11.56	5.7	11.56	5.7	—	—
3 .....	11.25	10.8	11.25	10.8	—	—
5 .....	13.93	7.4	13.93	7.4	—	—
Production inspectors, checkers and examiners ..	13.71	8.0	13.68	8.2	—	—
<b>Transportation and material moving</b> .....	14.44	4.8	14.43	5.3	\$14.54	3.6
3 .....	13.26	4.9	13.07	5.9	—	—
4 .....	15.90	8.3	16.00	8.4	—	—
5 .....	13.63	5.0	13.63	5.0	—	—
6 .....	15.82	3.6	16.17	3.6	—	—
7 .....	19.42	6.7	19.33	7.0	—	—
Truck drivers .....	14.91	7.0	14.97	7.6	—	—
3 .....	12.87	13.7	12.87	13.7	—	—
4 .....	16.84	8.4	16.84	8.4	—	—
Bus drivers .....	13.14	5.7	—	—	14.22	4.8
Industrial truck and tractor equipment operators ..	12.60	6.5	12.60	6.5	—	—
<b>Handlers, equipment cleaners, helpers, and laborers</b>	10.68	3.7	10.48	3.7	14.38	6.7
1 .....	8.53	4.9	8.51	5.0	—	—
2 .....	9.54	2.3	9.55	2.3	—	—
3 .....	11.80	5.2	11.78	5.2	—	—
4 .....	12.28	3.4	12.28	3.4	—	—
5 .....	14.15	5.5	14.51	8.6	—	—
6 .....	16.94	2.6	—	—	—	—
Construction laborers .....	12.28	6.9	12.30	7.5	—	—
Production helpers .....	14.15	10.5	14.15	10.5	—	—
Stock handlers and baggers .....	11.04	4.7	11.04	4.7	—	—
1 .....	9.27	5.1	9.27	5.1	—	—
3 .....	10.52	4.9	10.52	4.9	—	—
Machine feeders and offbearers .....	10.09	4.5	10.09	4.5	—	—
2 .....	9.40	5.4	9.40	5.4	—	—
Freight, stock, and material handlers, n.e.c. ....	13.09	6.6	13.09	6.6	—	—
1 .....	10.81	8.9	10.81	8.9	—	—
Vehicle washers and equipment cleaners .....	8.84	7.8	8.84	7.8	—	—
Hand packers and packagers .....	8.26	4.7	8.26	4.7	—	—
1 .....	7.56	4.6	7.56	4.6	—	—
Laborers, except construction, n.e.c. ....	10.99	4.5	10.72	4.6	—	—
1 .....	10.31	16.3	10.34	16.4	—	—
2 .....	9.18	4.8	9.18	4.8	—	—
3 .....	11.72	2.9	11.62	2.9	—	—
<b>Service</b> .....	11.36	5.2	9.22	4.6	15.91	5.2
1 .....	7.88	9.2	7.55	10.3	—	—
2 .....	8.11	7.1	7.95	7.4	9.76	11.1
3 .....	8.75	3.3	8.47	3.8	10.46	5.0
4 .....	10.33	4.2	9.39	3.9	11.58	5.2
5 .....	12.56	4.4	12.44	6.8	12.78	3.1
6 .....	14.14	5.6	14.20	4.1	—	—
7 .....	19.12	4.4	—	—	19.65	5.2
8 .....	18.30	2.6	—	—	18.51	3.2
9 .....	21.60	2.4	—	—	21.45	2.4
Protective service .....	14.72	13.5	8.57	13.4	19.23	3.8
5 .....	12.38	4.4	—	—	12.59	4.5

See footnotes at end of table.



Table 4-2. **Selected occupations<sup>1</sup> and levels,<sup>2</sup> full-time workers:<sup>3</sup> Mean hourly earnings,<sup>4</sup> private industry and State and local government, National Compensation Survey, Cincinnati-Hamilton, OH-KY-IN, November 1999 — Continued**

Occupation and level	Total		Private industry		State and local government	
	Mean	Relative error <sup>5</sup> (percent)	Mean	Relative error <sup>5</sup> (percent)	Mean	Relative error <sup>5</sup> (percent)
<b>Service—Continued</b>						
Protective service—Continued						
6 .....	\$14.38	8.6	—	—	—	—
7 .....	19.25	5.0	—	—	\$19.67	5.3
8 .....	18.51	3.2	—	—	18.51	3.2
9 .....	21.45	2.4	—	—	21.45	2.4
Supervisors, police and detectives .....	22.44	14.0	—	—	22.44	14.0
Firefighting .....	19.06	7.5	—	—	19.06	7.5
Police and detectives, public service .....	19.96	3.5	—	—	19.96	3.5
8 .....	18.51	3.2	—	—	18.51	3.2
Guards and police, except public service .....	8.24	12.7	\$8.22	12.8	—	—
Food service .....	8.20	7.6	7.88	8.7	10.49	7.4
1 .....	6.24	22.9	5.37	27.1	—	—
2 .....	6.27	12.7	5.78	16.6	—	—
3 .....	7.91	9.0	7.82	9.3	—	—
4 .....	9.13	9.2	—	—	—	—
Waiters, waitresses, and bartenders .....	3.61	12.9	3.61	12.9	—	—
Waiters and waitresses .....	2.76	8.4	2.76	8.4	—	—
Other food service .....	9.88	2.9	9.76	3.1	10.49	7.4
1 .....	9.01	4.0	8.55	4.1	—	—
2 .....	7.84	3.4	—	—	—	—
3 .....	9.27	2.7	9.17	2.6	—	—
Supervisors, food preparation and service .....	13.57	8.0	13.57	8.0	—	—
Cooks .....	9.71	4.3	9.50	4.6	—	—
Food preparation, n.e.c. ....	9.20	4.9	8.70	5.6	10.05	8.8
2 .....	7.69	5.1	—	—	—	—
Health service .....	9.52	1.8	9.37	1.7	—	—
3 .....	8.92	2.0	8.92	2.0	—	—
Health aides, except nursing .....	10.30	3.9	9.86	3.9	—	—
Nursing aides, orderlies and attendants .....	9.19	1.9	9.19	1.9	—	—
3 .....	8.97	1.8	8.97	1.8	—	—
Cleaning and building service .....	11.46	4.9	11.42	7.0	11.55	3.5
1 .....	9.23	7.4	9.08	8.4	—	—
2 .....	10.27	9.3	10.13	10.9	10.96	13.5
3 .....	10.94	5.1	—	—	11.25	2.9
4 .....	11.22	6.2	—	—	—	—
Supervisors, cleaning and building service workers .....	13.69	13.3	—	—	—	—
Maids and housemen .....	7.75	2.7	—	—	—	—
Janitors and cleaners .....	11.57	5.3	11.65	7.7	11.41	3.7
1 .....	9.50	8.3	9.37	9.8	—	—
2 .....	10.54	9.9	10.41	11.7	—	—
3 .....	10.93	5.4	—	—	11.25	2.9
4 .....	11.22	6.2	—	—	—	—
Personal service .....	8.33	5.0	7.91	5.1	9.68	6.7
3 .....	8.53	4.8	—	—	—	—
Early childhood teachers' assistants .....	8.27	7.6	—	—	—	—
Service, n.e.c. ....	8.64	9.2	7.96	7.9	—	—

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

<sup>2</sup> 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.

<sup>3</sup> Employees are classified as working either a full-time or a part-time schedule based on the definition used by each establishment. Therefore, a worker with a 35-hour-per-week schedule might be considered a full-time employee in one establishment, but classified as part-time in another firm, where a 40-hour week is the minimum full-time schedule.

<sup>4</sup> Earnings are the straight-time hourly wages or salaries paid to employees. They include incentive pay, cost-of-living adjustments, and

hazard pay. Excluded are premium pay for overtime, vacations, holidays, nonproduction bonuses, and tips. The mean is computed by totaling the pay of all workers and dividing by the number of workers, weighted by hours.

<sup>5</sup> The relative standard error (RSE) is the standard error expressed as a percent of the estimate. It can be used to calculate a "confidence interval" around a sample estimate. For more information about RSEs, see 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. IN THIS SURVEY, THE NONRESPONSE RATE FOR ALL INDUSTRIES AND PRIVATE INDUSTRY EXCEEDED REGULAR SURVEY STANDARDS FOR PUBLICATION. ACCORDINGLY, USERS SHOULD INTERPRET THESE RESULTS WITH THIS LIMITATION IN MIND.

Table 4-3. Selected occupations<sup>1</sup> and levels,<sup>2</sup> part-time workers:<sup>3</sup> Mean hourly earnings,<sup>4</sup> private industry and State and local government, National Compensation Survey, Cincinnati-Hamilton, OH-KY-IN, November 1999

Occupation and level	Total		Private industry		State and local government	
	Mean	Relative error <sup>5</sup> (percent)	Mean	Relative error <sup>5</sup> (percent)	Mean	Relative error <sup>5</sup> (percent)
<b>All</b> .....	\$9.56	8.6	\$9.24	9.9	\$12.12	6.8
All excluding sales .....	10.00	9.5	9.67	11.1	12.19	6.8
<b>White collar</b> .....	12.92	13.4	12.82	15.4	13.65	9.6
1 .....	6.94	4.1	6.59	2.5	8.67	4.5
2 .....	7.03	3.5	7.04	3.5	—	—
3 .....	8.77	4.7	8.73	5.4	—	—
4 .....	11.53	11.8	11.62	12.4	—	—
5 .....	10.72	4.6	11.07	4.2	—	—
7 .....	15.05	2.3	—	—	—	—
9 .....	20.62	4.2	20.01	3.6	28.37	20.6
White collar excluding sales .....	15.57	14.8	15.94	17.4	13.84	9.7
1 .....	7.50	9.8	6.19	7.5	—	—
2 .....	7.57	5.4	7.58	5.5	—	—
3 .....	9.32	3.8	9.38	4.3	—	—
4 .....	11.61	12.2	11.71	12.9	—	—
5 .....	10.72	4.6	11.07	4.2	—	—
7 .....	15.05	2.3	—	—	—	—
9 .....	20.62	4.2	20.01	3.6	28.37	20.6
<b>Professional specialty and technical</b> .....	22.68	18.2	24.08	20.7	17.08	8.3
Professional specialty .....	25.91	19.2	26.97	21.1	19.34	6.0
5 .....	9.41	6.5	—	—	—	—
9 .....	20.58	4.2	19.95	3.6	28.37	20.6
Health related .....	21.48	3.4	21.53	3.6	—	—
9 .....	20.51	1.8	20.51	1.9	—	—
Registered nurses .....	21.51	3.5	21.56	3.7	—	—
9 .....	20.74	1.3	20.76	1.4	—	—
Teachers, college and university .....	60.98	7.0	64.08	2.3	—	—
9 .....	23.18	6.0	—	—	—	—
Teachers, except college and university .....	17.43	12.6	14.98	28.1	—	—
5 .....	9.41	6.5	—	—	—	—
Teachers, n.e.c. ....	13.56	17.3	—	—	—	—
Social, recreation, and religious workers .....	—	—	—	—	—	—
Lawyers and judges .....	—	—	—	—	—	—
Writers, authors, entertainers, athletes, and professionals, n.e.c. ....	—	—	—	—	—	—
Technical .....	12.74	9.1	11.57	9.7	—	—
<b>Executive, administrative, and managerial</b> .....	17.60	35.9	—	—	—	—
Executives, administrators, and managers .....	17.60	35.9	—	—	—	—
<b>Sales</b> .....	6.69	1.7	6.70	1.7	—	—
1 .....	6.67	2.0	6.69	2.0	—	—
2 .....	6.59	2.4	6.59	2.4	—	—
Cashiers .....	6.66	2.3	6.67	2.3	—	—
1 .....	6.51	2.3	—	—	—	—
2 .....	6.78	3.5	6.78	3.5	—	—
<b>Administrative support, including clerical</b> .....	9.25	6.3	9.29	7.5	9.03	2.0
1 .....	7.50	9.8	6.19	7.5	—	—
2 .....	7.57	5.4	7.58	5.5	—	—
3 .....	9.32	3.8	9.38	4.3	—	—
4 .....	12.35	11.7	12.55	12.3	—	—
Library clerks .....	9.29	7.2	—	—	9.29	7.2
General office clerks .....	7.91	10.2	—	—	—	—
Administrative support, n.e.c. ....	9.87	6.6	9.87	6.6	—	—
<b>Blue collar</b> .....	8.97	7.5	8.32	7.9	—	—
1 .....	8.08	12.1	8.10	12.3	—	—
2 .....	10.86	16.0	7.16	7.7	—	—
<b>Precision production, craft, and repair</b> .....	—	—	—	—	—	—
<b>Machine operators, assemblers, and inspectors</b> .....	—	—	—	—	—	—

See footnotes at end of table.

Table 4-3. **Selected occupations<sup>1</sup> and levels,<sup>2</sup> part-time workers:<sup>3</sup> Mean hourly earnings,<sup>4</sup> private industry and State and local government, National Compensation Survey, Cincinnati-Hamilton, OH-KY-IN, November 1999 — Continued**

Occupation and level	Total		Private industry		State and local government	
	Mean	Relative error <sup>5</sup> (percent)	Mean	Relative error <sup>5</sup> (percent)	Mean	Relative error <sup>5</sup> (percent)
<b>Blue collar —Continued</b>						
<b>Transportation and material moving</b> .....	\$8.60	15.0	\$6.23	2.5	—	—
Motor transportation, n.e.c. ....	6.15	2.1	6.15	2.1	—	—
<b>Handlers, equipment cleaners, helpers, and laborers</b>	9.29	7.4	9.31	7.4	—	—
1 .....	8.83	13.0	8.87	13.2	—	—
Stock handlers and baggers .....	6.33	5.5	6.33	5.5	—	—
1 .....	5.91	4.8	5.91	4.8	—	—
Freight, stock, and material handlers, n.e.c. ....	11.12	5.3	11.12	5.3	—	—
Laborers, except construction, n.e.c. ....	8.28	7.9	8.28	7.9	—	—
<b>Service</b> .....	6.18	4.7	5.85	5.0	\$9.24	4.4
1 .....	5.74	6.7	5.73	6.8	—	—
2 .....	5.62	10.1	5.47	10.9	8.39	8.2
3 .....	8.79	5.1	8.33	6.9	9.54	3.0
5 .....	11.04	7.6	—	—	—	—
Protective service .....	11.05	16.2	—	—	—	—
Food service .....	5.36	6.5	5.20	6.9	8.97	6.0
1 .....	5.00	8.3	4.98	8.5	—	—
2 .....	5.40	11.6	5.26	12.2	—	—
3 .....	8.33	9.2	—	—	—	—
Waiters, waitresses, and bartenders .....	2.98	7.7	2.98	7.7	—	—
1 .....	3.24	8.0	3.24	8.0	—	—
2 .....	2.75	11.5	2.75	11.5	—	—
Waiters and waitresses .....	2.70	7.5	2.70	7.5	—	—
1 .....	2.73	8.7	2.73	8.7	—	—
2 .....	2.67	11.4	2.67	11.4	—	—
Other food service .....	6.81	3.0	6.65	3.0	8.97	6.0
1 .....	6.44	5.0	6.46	5.2	—	—
2 .....	6.86	3.7	—	—	—	—
3 .....	8.33	9.2	—	—	—	—
Food preparation, n.e.c. ....	6.81	2.7	6.64	2.6	8.99	5.8
1 .....	6.62	4.3	6.62	4.4	—	—
Health service .....	—	—	—	—	—	—
Cleaning and building service .....	6.88	6.3	6.44	3.7	—	—
1 .....	6.23	3.1	6.23	3.1	—	—
Janitors and cleaners .....	6.88	6.3	6.44	3.7	—	—
1 .....	6.23	3.1	6.23	3.1	—	—
Personal service .....	7.53	4.1	7.32	4.6	8.15	6.0
1 .....	6.83	5.6	6.85	6.0	—	—
Service, n.e.c. ....	7.31	8.3	7.20	9.2	—	—
1 .....	7.20	9.2	7.20	9.2	—	—

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

<sup>2</sup> 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.

<sup>3</sup> Employees are classified as working either a full-time or a part-time schedule based on the definition used by each establishment. Therefore, a worker with a 35-hour-per-week schedule might be considered a full-time employee in one establishment, but classified as part-time in another firm, where a 40-hour week is the minimum full-time schedule.

<sup>4</sup> Earnings are the straight-time hourly wages or salaries paid to employees. They include incentive pay, cost-of-living adjustments, and

hazard pay. Excluded are premium pay for overtime, vacations, holidays, nonproduction bonuses, and tips. The mean is computed by totaling the pay of all workers and dividing by the number of workers, weighted by hours.

<sup>5</sup> The relative standard error (RSE) is the standard error expressed as a percent of the estimate. It can be used to calculate a "confidence interval" around a sample estimate. For more information about RSEs, see 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. IN THIS SURVEY, THE NONRESPONSE RATE FOR ALL INDUSTRIES AND PRIVATE INDUSTRY EXCEEDED REGULAR SURVEY STANDARDS FOR PUBLICATION. ACCORDINGLY, USERS SHOULD INTERPRET THESE RESULTS WITH THIS LIMITATION IN MIND.

Table 5-1. **Selected worker characteristics: Mean hourly earnings<sup>1</sup> by occupational group,<sup>2</sup> National Compensation Survey, Cincinnati-Hamilton, OH-KY-IN, November 1999**

Occupational group	Private industry and State and local government					
	Full-time workers <sup>3</sup>	Part-time workers <sup>3</sup>	Union <sup>4</sup>	Nonunion <sup>4</sup>	Time <sup>5</sup>	Incentive <sup>5</sup>
	Mean					
<b>All occupations</b> .....	\$16.70	\$9.56	\$17.70	\$15.52	\$15.96	\$24.55
All excluding sales .....	16.85	10.00	17.83	15.76	16.24	23.01
<b>White collar</b> .....	19.89	12.92	23.73	18.73	19.22	28.32
White-collar excluding sales .....	20.46	15.57	24.64	19.52	20.10	-
Professional specialty and technical .....	24.09	22.68	30.23	22.66	24.00	-
Professional specialty .....	25.89	25.91	31.04	24.74	25.89	-
Technical .....	18.32	12.74	27.19	16.25	17.95	-
Executive, administrative, and managerial .....	27.17	17.60	19.02	27.30	26.91	-
Sales .....	13.05	6.69	9.05	11.65	10.18	26.82
Administrative support, including clerical .....	12.48	9.25	15.34	11.78	12.19	-
<b>Blue collar</b> .....	14.17	8.97	16.17	12.61	13.94	16.67
Precision production, craft, and repair .....	18.12	-	19.58	16.86	18.05	-
Machine operators, assemblers, and inspectors .....	13.44	-	14.95	12.49	13.42	-
Transportation and material moving .....	14.44	8.60	16.33	12.23	13.86	-
Handlers, equipment cleaners, helpers, and laborers .....	10.68	9.29	12.44	9.77	10.56	-
<b>Service</b> .....	11.36	6.18	14.44	8.14	10.16	-
	Relative error <sup>6</sup> (percent)					
<b>All occupations</b> .....	2.4	8.6	2.9	3.2	2.5	14.1
All excluding sales .....	2.4	9.5	2.9	3.2	2.4	18.2
<b>White collar</b> .....	3.0	13.4	4.9	3.7	3.2	15.0
White-collar excluding sales .....	2.9	14.8	4.7	3.6	3.1	-
Professional specialty and technical .....	3.3	18.2	3.6	4.6	3.6	-
Professional specialty .....	3.3	19.2	3.4	4.7	3.7	-
Technical .....	7.4	9.1	14.1	3.9	7.4	-
Executive, administrative, and managerial .....	3.2	35.9	5.9	3.2	3.2	-
Sales .....	11.5	1.7	12.7	11.0	8.9	21.5
Administrative support, including clerical .....	2.4	6.3	4.6	2.2	2.4	-
<b>Blue collar</b> .....	2.1	7.5	2.6	2.6	2.1	15.5
Precision production, craft, and repair .....	2.2	-	2.3	2.9	2.2	-
Machine operators, assemblers, and inspectors .....	2.6	-	3.9	3.2	2.6	-
Transportation and material moving .....	4.8	15.0	5.3	6.8	5.7	-
Handlers, equipment cleaners, helpers, and laborers .....	3.7	7.4	5.2	3.6	3.4	-
<b>Service</b> .....	5.2	4.7	7.3	3.3	4.6	-

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

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

<sup>3</sup> Employees are classified as working either a full-time or a part-time schedule based on the definition used by each establishment. Therefore, a worker with a 35-hour-per-week schedule might be considered a full-time employee in one establishment, but classified as part-time in another firm, where a 40-hour week is the minimum full-time schedule.

<sup>4</sup> Union workers are those whose wages are determined through collective bargaining.

<sup>5</sup> 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.

<sup>6</sup> The relative standard error (RSE) is the standard error expressed as a percent of the estimate. It can be used to calculate a "confidence interval" around a sample estimate. For more information about RSEs, see appendix A.

NOTE: Dashes indicate that no data were reported or that data did not meet publication criteria. IN THIS SURVEY, THE NONRESPONSE RATE FOR ALL INDUSTRIES AND PRIVATE INDUSTRY EXCEEDED REGULAR SURVEY STANDARDS FOR PUBLICATION. ACCORDINGLY, USERS SHOULD INTERPRET THESE RESULTS WITH THIS LIMITATION IN MIND.

Table 5-2. Major industry division: Mean hourly earnings<sup>1</sup> by occupational group,<sup>2</sup> private industry, National Compensation Survey, Cincinnati-Hamilton, OH-KY-IN, November 1999

Occupational group	Full-time and part-time workers									
	All private industries	Goods-producing industries <sup>3</sup>				Service-producing industries <sup>4</sup>				
		Total	Mining	Construction	Manufacturing	Total	Transportation and public utilities	Wholesale and retail trade	Finance, insurance, and real estate	Services
	Mean									
<b>All occupations</b> .....	\$15.36	\$17.42	—	\$15.16	\$17.65	—	—	—	—	—
All excluding sales .....	15.59	17.24	—	15.16	17.46	—	—	—	—	—
<b>White collar</b> .....	18.59	23.67	—	16.82	23.94	—	—	—	—	—
White-collar excluding sales .....	19.54	23.35	—	16.82	23.62	—	—	—	—	—
Professional specialty and technical .....	23.07	25.74	—	—	25.74	—	—	—	—	—
Professional specialty .....	25.07	28.74	—	—	28.74	—	—	—	—	—
Technical .....	17.89	18.28	—	—	18.28	—	—	—	—	—
Executive, administrative, and managerial .....	27.22	29.81	—	—	30.33	—	—	—	—	—
Sales .....	11.42	29.96	—	—	29.96	—	—	—	—	—
Administrative support, including clerical .....	12.18	14.01	—	—	14.13	—	—	—	—	—
<b>Blue collar</b> .....	13.84	14.79	—	14.93	14.78	—	—	—	—	—
Precision production, craft, and repair .....	18.17	18.29	—	16.12	19.00	—	—	—	—	—
Machine operators, assemblers, and inspectors .....	13.43	13.83	—	—	13.80	—	—	—	—	—
Transportation and material moving .....	13.79	14.78	—	—	14.77	—	—	—	—	—
Handlers, equipment cleaners, helpers, and laborers .....	10.38	11.61	—	11.47	11.62	—	—	—	—	—
<b>Service</b> .....	8.26	16.88	—	—	16.88	—	—	—	—	—
	Relative error <sup>5</sup> (percent)									
<b>All occupations</b> .....	3.0	2.6	—	5.5	2.8	—	—	—	—	—
All excluding sales .....	3.0	2.6	—	5.5	2.8	—	—	—	—	—
<b>White collar</b> .....	4.1	3.8	—	13.6	3.8	—	—	—	—	—
White-collar excluding sales .....	3.9	4.0	—	13.6	4.0	—	—	—	—	—
Professional specialty and technical .....	5.1	4.9	—	—	4.9	—	—	—	—	—
Professional specialty .....	5.4	4.7	—	—	4.7	—	—	—	—	—
Technical .....	8.7	5.1	—	—	5.1	—	—	—	—	—
Executive, administrative, and managerial .....	3.4	4.6	—	—	4.6	—	—	—	—	—
Sales .....	10.3	14.8	—	—	14.8	—	—	—	—	—
Administrative support, including clerical .....	2.8	4.0	—	—	4.2	—	—	—	—	—
<b>Blue collar</b> .....	2.2	2.3	—	5.0	2.5	—	—	—	—	—
Precision production, craft, and repair .....	2.4	2.9	—	6.7	2.6	—	—	—	—	—
Machine operators, assemblers, and inspectors .....	2.6	2.6	—	—	2.6	—	—	—	—	—
Transportation and material moving .....	6.2	3.5	—	—	3.9	—	—	—	—	—
Handlers, equipment cleaners, helpers, and laborers .....	3.4	4.0	—	10.3	4.4	—	—	—	—	—
<b>Service</b> .....	3.7	5.0	—	—	5.0	—	—	—	—	—

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

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

<sup>3</sup> Goods-producing industries include mining, construction, and manufacturing.

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

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

NOTE: Dashes indicate that no data were reported or that data did not meet publication criteria. IN THIS SURVEY, THE NONRESPONSE RATE FOR ALL INDUSTRIES AND PRIVATE INDUSTRY EXCEEDED REGULAR SURVEY STANDARDS FOR PUBLICATION. ACCORDINGLY, USERS SHOULD INTERPRET THESE RESULTS WITH THIS LIMITATION IN MIND.

Table 5-3. Establishment employment size: Mean hourly earnings<sup>1</sup> by occupational group,<sup>2</sup> private industry, National Compensation Survey, Cincinnati-Hamilton, OH-KY-IN, November 1999

Occupational group	Full-time and part-time workers				
	All private industry workers	50 - 99 workers <sup>3</sup>	100 workers or more		
			Total	100 - 499 workers	500 workers or more
Mean					
<b>All occupations</b> .....	\$15.36	\$11.84	\$16.34	\$14.40	\$18.62
All excluding sales .....	15.59	12.07	16.54	14.59	18.68
<b>White collar</b> .....	18.59	15.41	19.28	17.87	20.43
White-collar excluding sales .....	19.54	17.05	20.00	19.18	20.56
Professional specialty and technical .....	23.07	19.54	23.62	22.54	24.28
Professional specialty .....	25.07	20.80	25.63	25.94	25.46
Technical .....	17.89	17.45	17.98	15.18	20.35
Executive, administrative, and managerial .....	27.22	23.93	28.06	25.77	29.91
Sales .....	11.42	9.30	12.43	12.25	13.77
Administrative support, including clerical .....	12.18	10.52	12.49	12.50	12.49
<b>Blue collar</b> .....	13.84	12.51	14.14	12.75	16.45
Precision production, craft, and repair .....	18.17	15.36	18.81	16.83	20.32
Machine operators, assemblers, and inspectors .....	13.43	13.11	13.47	12.89	15.07
Transportation and material moving .....	13.79	13.41	13.90	12.86	16.02
Handlers, equipment cleaners, helpers, and laborers .....	10.38	9.79	10.56	9.99	11.69
<b>Service</b> .....	8.26	6.44	9.80	8.40	12.64
Relative error <sup>4</sup> (percent)					
<b>All occupations</b> .....	3.0	6.4	3.2	4.5	4.2
All excluding sales .....	3.0	6.4	3.3	4.6	4.2
<b>White collar</b> .....	4.1	8.7	4.4	7.2	5.4
White-collar excluding sales .....	3.9	7.1	4.3	7.1	5.5
Professional specialty and technical .....	5.1	7.8	5.7	11.9	5.6
Professional specialty .....	5.4	11.8	5.8	12.9	5.5
Technical .....	8.7	6.2	10.5	8.4	13.4
Executive, administrative, and managerial .....	3.4	7.0	3.7	6.8	4.6
Sales .....	10.3	15.2	13.0	14.6	14.5
Administrative support, including clerical .....	2.8	7.3	2.8	4.2	3.8
<b>Blue collar</b> .....	2.2	6.3	2.4	2.8	3.9
Precision production, craft, and repair .....	2.4	6.7	2.4	3.3	2.8
Machine operators, assemblers, and inspectors .....	2.6	8.4	2.8	3.2	4.6
Transportation and material moving .....	6.2	16.2	6.6	9.7	4.0
Handlers, equipment cleaners, helpers, and laborers .....	3.4	8.4	3.8	3.6	7.8
<b>Service</b> .....	3.7	4.4	4.7	4.3	6.0

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

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

<sup>3</sup> Establishments classified with 50-99 workers may contain establishments with fewer than 50 due to staff reductions between survey sampling and collection.

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

NOTE: Dashes indicate that no data were reported or that data did not meet publication criteria. IN THIS SURVEY, THE NONRESPONSE RATE FOR ALL INDUSTRIES AND PRIVATE INDUSTRY EXCEEDED REGULAR SURVEY STANDARDS FOR PUBLICATION. ACCORDINGLY, USERS SHOULD INTERPRET THESE RESULTS WITH THIS LIMITATION IN MIND.

Table 6-1. Hourly wage percentiles for establishment jobs<sup>1</sup>, all workers:<sup>2</sup> Selected occupations, all industries, National Compensation Survey, Cincinnati-Hamilton, OH-KY-IN, November 1999

Occupation <sup>3</sup>	10	25	Median 50	75	90
<b>All</b> .....	\$7.44	\$9.65	\$13.83	\$20.24	\$28.49
All excluding sales .....	7.75	9.88	14.04	20.38	28.70
<b>White collar</b> .....	8.49	11.24	16.53	24.29	33.65
White collar excluding sales .....	9.38	12.17	17.71	25.64	33.67
<b>Professional specialty and technical</b> .....	13.66	16.53	21.70	29.50	35.82
Professional specialty .....	15.17	19.21	23.63	30.97	36.88
Engineers, architects, and surveyors .....	19.81	23.35	25.67	30.44	36.88
Industrial engineers .....	19.81	25.67	28.98	31.77	36.88
Mechanical engineers .....	21.07	21.65	24.21	24.41	30.00
Mathematical and computer scientists .....	19.85	21.91	29.00	33.67	52.80
Computer systems analysts and scientists .....	21.91	23.85	32.51	33.67	52.80
Operations and systems researchers and analysts .....	13.59	14.21	18.03	27.01	52.88
Natural scientists .....	19.18	19.21	28.49	35.83	35.83
Health related .....	17.08	19.11	20.28	21.46	23.97
Registered nurses .....	18.39	19.26	20.62	21.21	22.47
Teachers, college and university .....	31.04	38.00	46.98	50.92	73.99
Teachers, except college and university .....	19.39	27.07	29.82	32.28	33.81
Elementary school teachers .....	22.79	27.46	30.67	32.37	33.81
Secondary school teachers .....	22.97	28.55	29.50	33.76	34.87
Teachers, n.e.c. ....	22.56	25.47	31.98	31.98	31.98
Librarians, archivists, and curators .....	11.97	13.75	18.27	23.44	38.38
Librarians .....	10.06	15.73	18.27	23.44	38.38
Social scientists and urban planners .....	-	-	-	-	-
Social, recreation, and religious workers .....	8.54	12.69	14.90	17.05	20.11
Social workers .....	12.44	14.19	14.90	17.05	20.56
Lawyers and judges .....	-	-	-	-	-
Writers, authors, entertainers, athletes, and professionals, n.e.c. ....	13.63	15.87	16.14	22.65	22.87
Designers .....	8.23	15.87	16.14	22.13	33.33
Technical .....	11.94	13.94	16.41	21.60	24.29
Radiological technicians .....	16.00	16.41	16.41	16.45	22.52
Licensed practical nurses .....	12.05	14.19	14.74	14.86	16.00
Health technologists and technicians, n.e.c. ....	8.49	10.25	11.97	12.75	14.79
Electrical and electronic technicians .....	12.32	15.13	16.39	19.90	22.18
Engineering technicians, n.e.c. ....	16.80	20.66	21.95	21.95	24.56
Technical and related, n.e.c. ....	12.91	13.31	18.01	20.69	23.40
<b>Executive, administrative, and managerial</b> .....	14.52	19.45	25.50	33.65	42.27
Executives, administrators, and managers .....	15.50	22.60	29.45	37.08	44.62
Administrators and officials, public administration .....	18.59	25.08	25.99	32.34	34.81
Financial managers .....	20.28	25.00	28.18	35.90	35.90
Managers, marketing, advertising, and public relations .....	21.63	23.46	30.48	46.59	53.33
Administrators, education and related fields .....	13.06	14.31	32.05	39.73	42.27
Managers, service organizations, n.e.c. ....	10.33	10.33	16.70	26.06	32.87
Managers and administrators, n.e.c. ....	21.01	23.92	33.65	40.00	44.62
Management related .....	14.42	16.70	21.69	28.70	33.65
Accountants and auditors .....	13.79	16.16	18.91	23.55	29.38
Personnel, training, and labor relations specialists .....	16.70	17.70	28.70	33.65	33.65
Purchasing agents and buyers, n.e.c. ....	20.28	21.61	23.32	28.94	28.94
Management related, n.e.c. ....	12.55	14.52	21.70	26.99	49.23
<b>Sales</b> .....	6.37	6.63	7.52	13.45	19.10
Supervisors, sales .....	9.84	12.26	13.87	18.27	19.10
Sales representatives, mining, manufacturing, and wholesale .....	12.00	13.89	24.28	31.25	53.53
Cashiers .....	6.29	6.29	6.75	7.12	9.67
Sales support, n.e.c. ....	6.59	6.63	7.03	7.21	17.38
<b>Administrative support, including clerical</b> .....	8.00	9.38	11.30	13.89	17.71
Supervisors, general office .....	11.30	17.91	21.42	25.64	30.77
Secretaries .....	10.06	11.10	12.45	14.04	17.39
Receptionists .....	8.71	8.97	9.62	10.00	11.30
Information clerks, n.e.c. ....	7.75	7.75	9.50	11.43	12.68
Order clerks .....	8.64	8.73	10.61	13.00	18.00
Library clerks .....	8.86	8.86	9.54	10.95	13.14

See footnotes at end of table.

Table 6-1. Hourly wage percentiles for establishment jobs<sup>1</sup>, all workers:<sup>2</sup> Selected occupations, all industries, National Compensation Survey, Cincinnati-Hamilton, OH-KY-IN, November 1999 — Continued

Occupation <sup>3</sup>	10	25	Median 50	75	90
<b>White collar</b> —Continued					
<b>Administrative support, including clerical</b> —Continued					
File clerks .....	\$7.73	\$7.76	\$8.00	\$8.89	\$11.00
Records clerks, n.e.c. ....	9.66	11.13	13.50	13.78	14.91
Bookkeepers, accounting and auditing clerks .....	9.67	10.16	11.37	13.32	15.00
Billing clerks .....	9.73	10.00	11.75	14.36	14.36
Mail clerks, except postal service .....	7.75	7.75	9.12	10.84	10.84
Dispatchers .....	11.80	13.00	14.45	14.45	21.43
Production coordinators .....	14.55	14.72	18.23	18.23	21.05
Traffic, shipping and receiving clerks .....	8.45	12.05	12.50	14.19	14.78
Stock and inventory clerks .....	9.08	9.08	10.60	12.15	13.07
Investigators and adjusters, except insurance .....	9.36	9.38	12.22	17.71	20.10
General office clerks .....	7.80	8.45	10.15	12.15	14.23
Data entry keyers .....	7.65	8.50	11.10	11.73	11.81
Teachers' aides .....	5.15	9.04	9.20	13.54	13.54
Administrative support, n.e.c. ....	9.39	9.65	11.16	12.36	14.40
<b>Blue collar</b> .....	8.04	10.15	13.50	16.96	21.08
<b>Precision production, craft, and repair</b> .....					
Supervisors, mechanics and repairers .....	17.56	21.15	27.28	28.13	29.43
Automobile mechanics .....	14.00	16.52	17.75	18.45	21.14
Bus, truck, and stationary engine mechanics .....	13.58	15.42	16.11	16.70	16.70
Industrial machinery repairers .....	14.63	16.67	17.76	21.71	24.70
Machinery maintenance .....	9.20	11.96	15.43	17.65	19.54
Mechanics and repairers, n.e.c. ....	12.78	13.98	17.29	20.38	21.14
Supervisors, construction trades, n.e.c. ....	14.21	15.04	18.85	30.90	31.04
Electricians .....	12.00	15.41	18.10	21.71	21.71
Plumbers, pipefitters and steamfitters .....	15.22	16.44	18.71	22.98	24.38
Supervisors, production .....	16.21	16.88	19.00	25.56	27.71
Tool and die makers .....	14.92	16.96	23.25	24.70	24.70
Machinists .....	14.66	14.73	17.44	17.83	21.14
<b>Machine operators, assemblers, and inspectors</b> .....					
Lathe and turning machine operators .....	9.66	14.37	14.99	16.11	16.11
Grinding, abrading, buffing, and polishing machine operators .....	10.24	10.24	12.40	14.81	16.84
Numerical control machine operators .....	12.72	12.82	16.02	16.03	17.36
Fabricating machine operators, n.e.c. ....	12.62	14.79	14.90	16.70	16.90
Molding and casting machine operators .....	9.00	11.22	11.22	14.94	15.59
Printing press operators .....	12.03	12.52	17.37	19.76	21.47
Photoengravers and lithographers .....	13.68	16.50	17.95	21.21	22.05
Mixing and blending machine operators .....	12.79	12.79	14.25	18.82	20.83
Painting and paint spraying machine operators ...	9.40	10.75	11.35	13.00	13.75
Slicing and cutting machine operators .....	8.04	11.54	11.54	13.63	13.63
Miscellaneous machine operators, n.e.c. ....	9.15	10.94	12.87	15.37	16.90
Welders and cutters .....	11.00	12.89	14.54	15.75	17.17
Assemblers .....	7.65	8.40	11.30	14.36	15.36
Production inspectors, checkers and examiners ..	10.31	10.93	12.40	15.36	16.41
<b>Transportation and material moving</b> .....					
Truck drivers .....	10.73	11.99	14.79	16.81	21.25
Bus drivers .....	10.12	10.78	14.99	15.37	16.19
Motor transportation, n.e.c. ....	5.77	5.92	5.97	7.02	7.52
Industrial truck and tractor equipment operators ..	9.00	11.36	13.51	13.70	15.57
<b>Handlers, equipment cleaners, helpers, and laborers</b>					
Construction laborers .....	9.25	11.05	11.81	12.47	15.46
Production helpers .....	10.47	11.81	13.92	16.94	18.66
Stock handlers and baggers .....	6.68	9.12	10.15	12.18	13.85
Machine feeders and offbearers .....	8.00	8.98	10.01	11.29	11.99
Freight, stock, and material handlers, n.e.c. ....	9.42	10.15	11.03	14.31	18.04
Vehicle washers and equipment cleaners .....	7.04	7.04	7.89	10.30	11.22
Hand packers and packagers .....	6.00	7.25	7.65	9.23	10.12
Laborers, except construction, n.e.c. ....	7.94	9.00	11.50	12.49	13.91
<b>Service</b> .....					
Protective service .....	6.27	8.00	14.95	20.96	22.01

See footnotes at end of table.



Table 6-1. Hourly wage percentiles for establishment jobs<sup>1</sup>, all workers:<sup>2</sup> Selected occupations, all industries, National Compensation Survey, Cincinnati-Hamilton, OH-KY-IN, November 1999 — Continued

Occupation <sup>3</sup>	10	25	Median 50	75	90
<b>Service —Continued</b>					
Protective service —Continued					
Supervisors, police and detectives .....	\$15.49	\$17.97	\$18.89	\$24.90	\$37.27
Firefighting .....	10.73	14.88	21.78	22.01	22.01
Police and detectives, public service .....	16.72	18.13	20.96	20.96	23.47
Guards and police, except public service .....	6.25	6.27	6.27	8.27	14.30
Food service .....					
Waiters, waitresses, and bartenders .....	2.27	3.68	6.63	9.03	10.45
Waiters and waitresses .....	2.13	2.27	2.85	3.54	5.67
Other food service .....	2.13	2.26	2.48	3.25	3.27
Supervisors, food preparation and service .....	6.08	6.63	7.91	9.77	11.68
Cooks .....	10.50	10.50	13.00	14.12	17.25
Kitchen workers, food preparation .....	6.03	7.90	9.03	10.00	11.68
Food preparation, n.e.c. ....	7.75	7.75	9.50	9.50	9.50
Health service .....					
Health aides, except nursing .....	6.08	6.50	7.06	9.00	9.93
Nursing aides, orderlies and attendants .....	8.30	8.71	9.44	10.06	10.95
Cleaning and building service .....	7.76	9.07	10.53	10.95	13.59
Supervisors, cleaning and building service workers .....	8.30	8.71	9.00	9.73	10.06
Maids and housemen .....	6.46	7.97	9.75	12.64	17.24
Janitors and cleaners .....	11.07	11.08	11.08	12.68	18.91
Personal service .....	6.85	7.45	7.97	7.97	8.26
Early childhood teachers' assistants .....	6.46	8.00	9.75	12.64	17.24
Child care workers, n.e.c. ....	6.50	6.75	8.20	8.98	10.10
Service, n.e.c. ....	6.75	7.20	8.95	9.09	9.51
	6.50	6.50	10.10	10.10	11.12
	5.59	6.25	8.63	9.29	12.30

<sup>1</sup> 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.

<sup>2</sup> All workers include full-time and part-time workers.

<sup>3</sup> 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. IN THIS SURVEY, THE NONRESPONSE RATE FOR ALL INDUSTRIES AND PRIVATE INDUSTRY EXCEEDED REGULAR SURVEY STANDARDS FOR PUBLICATION. ACCORDINGLY, USERS SHOULD INTERPRET THESE RESULTS WITH THIS LIMITATION IN MIND.

Table 6-2. Hourly wage percentiles for establishment jobs<sup>1</sup>, all workers:<sup>2</sup> Selected occupations, private industry, National Compensation Survey, Cincinnati-Hamilton, OH-KY-IN, November 1999

Occupation <sup>3</sup>	Private industry				
	10	25	Median 50	75	90
<b>All</b> .....	\$7.06	\$9.30	\$13.12	\$19.05	\$25.64
All excluding sales .....	7.53	9.48	13.51	19.23	25.67
<b>White collar</b> .....	8.00	10.75	16.07	22.99	32.91
White collar excluding sales .....	9.13	11.53	16.95	23.92	33.65
<b>Professional specialty and technical</b> .....	13.08	16.18	20.74	26.27	36.35
Professional specialty .....	14.90	18.89	21.91	29.00	39.77
Engineers, architects, and surveyors .....	19.86	23.63	25.68	30.44	36.88
Industrial engineers .....	19.81	25.67	28.98	31.77	36.88
Mechanical engineers .....	21.07	21.50	24.28	27.35	30.00
Mathematical and computer scientists .....	19.85	21.91	29.00	33.67	52.80
Computer systems analysts and scientists .....	21.91	23.85	32.51	33.67	52.80
Operations and systems researchers and analysts .....	13.59	14.21	18.03	27.01	52.88
Natural scientists .....	19.18	19.21	28.49	35.83	35.83
Health related .....	17.08	19.11	20.28	21.21	22.82
Registered nurses .....	18.39	19.11	20.28	21.21	22.05
Teachers, college and university .....	32.13	39.01	46.98	49.96	73.99
Teachers, except college and university .....	12.10	13.66	19.39	22.97	22.97
Librarians, archivists, and curators .....	-	-	-	-	-
Social scientists and urban planners .....	-	-	-	-	-
Social, recreation, and religious workers .....	8.54	12.69	14.90	16.53	17.88
Social workers .....	12.69	14.19	14.90	16.53	20.56
Lawyers and judges .....	-	-	-	-	-
Writers, authors, entertainers, athletes, and professionals, n.e.c. ....	13.63	15.87	16.14	22.87	22.87
Technical .....	11.33	13.31	16.18	21.60	24.29
Radiological technicians .....	16.00	16.41	16.41	16.45	22.52
Licensed practical nurses .....	12.05	13.94	14.19	14.86	16.00
Health technologists and technicians, n.e.c. ....	8.49	8.72	11.94	12.45	14.21
Electrical and electronic technicians .....	12.32	14.87	16.18	22.18	22.18
Technical and related, n.e.c. ....	12.91	13.31	18.36	20.69	23.40
<b>Executive, administrative, and managerial</b> .....	15.43	20.19	26.06	33.65	42.75
Executives, administrators, and managers .....	16.70	23.00	29.43	37.25	44.62
Managers, marketing, advertising, and public relations .....	21.63	23.46	30.48	46.59	53.33
Administrators, education and related fields .....	14.31	14.31	23.30	25.00	31.50
Managers, service organizations, n.e.c. ....	10.33	10.33	16.70	26.06	32.87
Managers and administrators, n.e.c. ....	21.01	23.92	33.65	40.00	44.62
Management related .....	14.89	17.07	22.22	28.94	33.65
Accountants and auditors .....	15.38	17.07	20.28	25.00	29.38
Personnel, training, and labor relations specialists .....	16.70	17.70	28.70	33.65	33.65
Purchasing agents and buyers, n.e.c. ....	20.28	21.91	24.19	28.94	28.94
Management related, n.e.c. ....	12.55	14.55	22.63	26.99	49.23
<b>Sales</b> .....	6.37	6.63	7.52	12.69	19.10
Supervisors, sales .....	9.84	12.26	13.87	18.27	19.10
Sales representatives, mining, manufacturing, and wholesale .....	12.00	13.89	24.28	31.25	53.53
Cashiers .....	6.29	6.29	6.75	7.12	9.91
Sales support, n.e.c. ....	6.59	6.63	7.03	7.08	7.91
<b>Administrative support, including clerical</b> .....	7.96	9.38	11.07	14.04	18.12
Supervisors, general office .....	11.30	17.91	21.42	25.64	30.77
Secretaries .....	9.80	10.79	12.53	14.98	17.80
Receptionists .....	8.71	8.97	9.62	10.00	11.30
Information clerks, n.e.c. ....	7.75	7.75	9.50	11.43	12.68
Order clerks .....	8.64	8.73	10.61	13.00	18.00
File clerks .....	7.73	7.76	8.00	8.89	11.00
Records clerks, n.e.c. ....	9.66	10.04	11.70	13.50	14.91
Bookkeepers, accounting and auditing clerks .....	9.40	10.16	11.27	12.50	15.00
Billing clerks .....	9.73	10.00	11.75	14.36	14.36
Mail clerks, except postal service .....	6.90	7.75	9.64	10.84	10.84
Production coordinators .....	14.55	14.72	18.23	18.23	21.05
Traffic, shipping and receiving clerks .....	8.45	12.05	12.50	14.19	14.78

See footnotes at end of table.

Table 6-2. Hourly wage percentiles for establishment jobs<sup>1</sup>, all workers:<sup>2</sup> Selected occupations, private industry, National Compensation Survey, Cincinnati-Hamilton, OH-KY-IN, November 1999 — Continued

Occupation <sup>3</sup>	Private industry				
	10	25	Median 50	75	90
<b>White collar</b> –Continued					
<b>Administrative support, including clerical</b> –Continued					
Stock and inventory clerks .....	\$9.08	\$9.08	\$10.60	\$12.01	\$13.07
Investigators and adjusters, except insurance .....	9.36	9.38	12.22	17.71	20.10
General office clerks .....	6.60	8.41	8.73	11.47	13.89
Data entry keyers .....	7.65	7.73	10.17	11.73	12.60
Administrative support, n.e.c. ....	9.43	10.05	11.16	11.43	14.96
<b>Blue collar</b> .....	8.00	10.01	13.18	16.94	21.14
<b>Precision production, craft, and repair</b> .....					
Automobile mechanics .....	14.00	16.52	17.50	21.14	21.14
Industrial machinery repairers .....	14.63	16.67	17.76	21.71	24.70
Mechanics and repairers, n.e.c. ....	12.78	13.98	17.29	20.38	21.14
Electricians .....	12.00	15.41	18.10	21.71	21.71
Plumbers, pipefitters and steamfitters .....	15.22	16.44	18.71	22.98	24.38
Supervisors, production .....	16.21	16.88	19.00	25.56	27.71
Tool and die makers .....	14.92	16.96	23.25	24.70	24.70
Machinists .....	14.66	14.73	17.44	17.83	21.14
<b>Machine operators, assemblers, and inspectors</b> .....					
Lathe and turning machine operators .....	9.66	14.37	14.99	16.11	16.11
Grinding, abrading, buffing, and polishing machine operators .....	10.24	10.24	12.40	14.81	16.84
Numerical control machine operators .....	12.72	12.82	16.02	16.03	17.36
Fabricating machine operators, n.e.c. ....	12.62	14.79	14.90	16.70	16.90
Molding and casting machine operators .....	9.00	11.22	11.22	14.94	15.59
Printing press operators .....	12.03	12.52	17.37	19.76	21.47
Photoengravers and lithographers .....	13.68	16.50	17.95	21.21	22.05
Mixing and blending machine operators .....	12.79	12.79	14.25	18.82	20.83
Painting and paint spraying machine operators ...	9.40	10.75	11.35	13.00	13.75
Slicing and cutting machine operators .....	8.04	11.54	11.54	13.63	13.63
Miscellaneous machine operators, n.e.c. ....	9.15	10.94	12.87	15.37	16.90
Welders and cutters .....	11.00	12.89	14.54	15.75	17.17
Assemblers .....	7.65	8.40	11.30	14.36	15.36
Production inspectors, checkers and examiners ..	10.31	10.93	12.40	15.36	22.50
<b>Transportation and material moving</b> .....					
Truck drivers .....	10.73	11.90	13.43	16.81	21.25
Motor transportation, n.e.c. ....	5.77	5.92	5.97	7.02	7.52
Industrial truck and tractor equipment operators ..	9.00	11.36	13.51	13.70	15.57
<b>Handlers, equipment cleaners, helpers, and laborers</b>					
Construction laborers .....	9.25	11.05	11.81	12.47	14.77
Production helpers .....	10.47	11.81	13.92	16.94	18.66
Stock handlers and baggers .....	6.68	9.12	10.15	12.18	13.85
Machine feeders and offbearers .....	8.00	8.98	10.01	11.29	11.99
Freight, stock, and material handlers, n.e.c. ....	9.42	10.15	11.03	14.31	18.04
Vehicle washers and equipment cleaners .....	7.04	7.04	7.89	10.30	11.22
Hand packers and packagers .....	6.00	7.25	7.65	9.23	10.12
Laborers, except construction, n.e.c. ....	7.80	8.91	10.72	11.79	13.91
<b>Service</b> .....					
Protective service .....	6.25	6.27	6.27	8.27	14.95
Guards and police, except public service .....	6.25	6.27	6.27	8.27	14.30
Food service .....	2.27	3.27	6.50	9.00	9.93
Waiters, waitresses, and bartenders .....	2.13	2.27	2.85	3.54	5.67
Waiters and waitresses .....	2.13	2.26	2.48	3.25	3.27
Other food service .....	6.08	6.63	7.75	9.03	10.50
Supervisors, food preparation and service .....	10.50	10.50	13.00	14.12	17.25
Cooks .....	6.03	7.25	9.03	9.77	11.68
Kitchen workers, food preparation .....	7.75	7.75	9.50	9.50	9.50
Food preparation, n.e.c. ....	6.08	6.45	7.06	7.71	9.00
Health service .....	8.30	8.71	9.36	9.90	10.53
Health aides, except nursing .....	7.76	9.07	10.21	10.74	11.30

See footnotes at end of table.

Table 6-2. Hourly wage percentiles for establishment jobs<sup>1</sup>, all workers:<sup>2</sup> Selected occupations, private industry, National Compensation Survey, Cincinnati-Hamilton, OH-KY-IN, November 1999 — Continued

Occupation <sup>3</sup>	Private industry				
	10	25	Median 50	75	90
<b>Service –Continued</b>					
Health service –Continued					
Nursing aides, orderlies and attendants .....	\$8.30	\$8.71	\$9.00	\$9.73	\$10.06
Cleaning and building service .....	6.46	7.50	8.68	11.08	20.42
Janitors and cleaners .....	6.46	7.50	8.98	12.67	20.59
Personal service .....	6.38	6.75	7.83	8.60	9.29
Service, n.e.c. ....	5.59	6.00	8.50	8.74	9.29

<sup>1</sup> 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.

<sup>2</sup> All workers include full-time and part-time workers.

<sup>3</sup> 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. IN THIS SURVEY, THE NONRESPONSE RATE FOR ALL INDUSTRIES AND PRIVATE INDUSTRY EXCEEDED REGULAR SURVEY STANDARDS FOR PUBLICATION. ACCORDINGLY, USERS SHOULD INTERPRET THESE RESULTS WITH THIS LIMITATION IN MIND.

Table 6-3. Hourly wage percentiles for establishment jobs<sup>1</sup>, all workers:<sup>2</sup> Selected occupations, State and local government, National Compensation Survey, Cincinnati-Hamilton, OH-KY-IN, November 1999

Occupation <sup>3</sup>	State and local government				
	10	25	Median 50	75	90
<b>All</b> .....	\$9.99	\$13.08	\$17.27	\$24.21	\$32.28
All excluding sales .....	9.99	13.08	17.27	24.21	32.28
<b>White collar</b> .....	11.76	13.78	21.27	30.51	34.69
White collar excluding sales .....	11.76	13.78	21.30	30.51	34.69
<b>Professional specialty and technical</b> .....	16.06	19.90	28.55	31.98	34.69
Professional specialty .....	17.18	21.46	29.24	31.98	34.87
Engineers, architects, and surveyors .....	—	—	—	—	—
Health related .....	17.27	19.86	21.30	24.04	31.55
Registered nurses .....	18.61	20.78	21.46	21.46	24.04
Teachers, college and university .....	31.04	36.47	50.92	58.54	58.54
Teachers, except college and university .....	24.97	28.55	30.67	32.37	34.69
Elementary school teachers .....	26.53	28.08	30.67	32.37	33.81
Secondary school teachers .....	28.55	28.78	32.74	33.76	35.82
Librarians, archivists, and curators .....	10.06	15.73	18.27	23.44	38.38
Librarians .....	10.06	15.73	18.27	23.44	38.38
Social, recreation, and religious workers .....	12.44	15.72	17.18	18.16	20.11
Social workers .....	12.44	14.56	15.72	18.16	20.11
Lawyers and judges .....	—	—	—	—	—
Writers, authors, entertainers, athletes, and professionals, n.e.c. ....	—	—	—	—	—
Technical .....	14.74	16.22	17.19	21.95	21.95
<b>Executive, administrative, and managerial</b> .....	13.79	14.53	23.39	34.96	42.27
Executives, administrators, and managers .....	13.06	22.02	29.55	36.00	42.27
Administrators and officials, public administration .....	18.59	23.39	27.17	34.54	34.81
Administrators, education and related fields .....	13.06	13.39	35.96	40.68	42.27
Management related .....	13.79	13.79	19.46	20.61	21.61
<b>Sales</b> .....	—	—	—	—	—
<b>Administrative support, including clerical</b> .....	9.20	10.81	12.85	13.78	14.45
Secretaries .....	11.18	11.76	12.45	13.89	13.94
Library clerks .....	8.86	8.86	9.54	10.95	13.14
General office clerks .....	9.20	11.73	13.08	13.08	14.23
Administrative support, n.e.c. ....	9.12	9.60	11.02	12.36	13.78
<b>Blue collar</b> .....	12.44	13.67	15.53	18.45	19.85
<b>Precision production, craft, and repair</b> .....	13.58	15.33	18.45	19.85	20.32
<b>Machine operators, assemblers, and inspectors</b> .....	—	—	—	—	—
<b>Transportation and material moving</b> .....	11.60	14.79	14.79	15.19	16.19
Bus drivers .....	11.60	12.72	15.19	16.19	16.19
<b>Handlers, equipment cleaners, helpers, and laborers</b> .....	9.60	13.46	14.00	16.30	16.30
<b>Service</b> .....	9.09	10.54	14.31	20.96	22.01
Protective service .....	12.50	15.96	20.96	22.01	22.31
Supervisors, police and detectives .....	15.49	17.97	18.89	24.90	37.27
Firefighting .....	10.73	14.88	21.78	22.01	22.01
Police and detectives, public service .....	16.72	18.13	20.96	20.96	23.47
Food service .....	7.80	8.53	9.42	11.55	13.86
Other food service .....	7.80	8.53	9.42	11.55	13.86
Food preparation, n.e.c. ....	7.80	8.53	9.42	10.45	13.86
Health service .....	—	—	—	—	—

See footnotes at end of table.

Table 6-3. Hourly wage percentiles for establishment jobs<sup>1</sup>, all workers:<sup>2</sup> Selected occupations, State and local government, National Compensation Survey, Cincinnati-Hamilton, OH-KY-IN, November 1999 — Continued

Occupation <sup>3</sup>	State and local government				
	10	25	Median 50	75	90
<b>Service --Continued</b>					
Cleaning and building service .....	\$9.62	\$9.97	\$11.05	\$12.64	\$14.65
Janitors and cleaners .....	9.62	9.97	10.96	12.64	14.65
Personal service .....	6.69	8.95	8.98	9.09	12.30

<sup>1</sup> 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.

<sup>2</sup> All workers include full-time and part-time workers.

<sup>3</sup> 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. IN THIS SURVEY, THE NONRESPONSE RATE FOR ALL INDUSTRIES AND PRIVATE INDUSTRY EXCEEDED REGULAR SURVEY STANDARDS FOR PUBLICATION. ACCORDINGLY, USERS SHOULD INTERPRET THESE RESULTS WITH THIS LIMITATION IN MIND.

Table 6-4. Hourly wage percentiles for establishment jobs<sup>1</sup>, full-time workers:<sup>2</sup> Selected occupations, all industries, National Compensation Survey, Cincinnati-Hamilton, OH-KY-IN, November 1999

Occupation <sup>3</sup>	10	25	Median 50	75	90
<b>All</b> .....	\$8.23	\$10.30	\$14.38	\$20.83	\$29.06
All excluding sales .....	8.44	10.47	14.66	20.96	29.09
<b>White collar</b> .....	9.25	12.05	17.16	25.50	33.65
White collar excluding sales .....	9.67	12.45	17.80	26.32	33.67
<b>Professional specialty and technical</b> .....	13.94	16.89	21.95	29.71	35.37
Professional specialty .....	15.72	19.21	24.08	31.04	36.08
Engineers, architects, and surveyors .....	19.81	23.35	25.67	30.44	36.88
Industrial engineers .....	19.81	25.67	28.98	31.77	36.88
Mechanical engineers .....	21.07	21.65	24.21	24.41	30.00
Mathematical and computer scientists .....	19.85	21.91	29.00	33.67	52.80
Computer systems analysts and scientists .....	21.91	23.85	32.51	33.67	52.80
Operations and systems researchers and analysts .....	13.59	14.21	18.03	27.01	52.88
Natural scientists .....	19.18	19.21	28.49	35.83	35.83
Health related .....	17.08	18.89	20.28	21.46	24.04
Registered nurses .....	18.39	19.11	20.28	21.30	22.05
Teachers, college and university .....	31.04	38.00	46.98	49.96	58.54
Teachers, except college and university .....	22.53	27.21	29.82	32.28	33.81
Elementary school teachers .....	24.67	27.46	30.67	32.37	33.81
Secondary school teachers .....	22.97	28.55	29.50	33.76	34.87
Librarians, archivists, and curators .....	11.97	13.75	18.27	23.44	38.38
Librarians .....	10.06	15.73	18.27	23.44	38.38
Social scientists and urban planners .....	-	-	-	-	-
Social, recreation, and religious workers .....	8.54	12.69	14.90	17.05	20.11
Social workers .....	12.44	14.82	14.90	17.05	20.56
Lawyers and judges .....	-	-	-	-	-
Writers, authors, entertainers, athletes, and professionals, n.e.c. ....	13.63	15.87	16.14	22.65	22.87
Designers .....	8.23	15.87	16.14	22.13	33.33
Technical .....	11.97	14.19	16.45	21.68	24.29
Licensed practical nurses .....	12.05	13.08	14.19	14.86	16.00
Health technologists and technicians, n.e.c. ....	8.49	11.05	11.97	12.75	17.12
Electrical and electronic technicians .....	12.32	15.13	16.39	19.90	22.18
Engineering technicians, n.e.c. ....	16.80	20.66	21.95	21.95	24.56
Technical and related, n.e.c. ....	12.91	15.97	18.36	20.69	23.40
<b>Executive, administrative, and managerial</b> .....	14.52	20.05	25.66	33.65	42.27
Executives, administrators, and managers .....	16.70	23.00	29.45	37.25	44.62
Administrators and officials, public administration .....	18.59	25.08	25.99	32.34	34.81
Financial managers .....	20.28	25.00	28.18	35.90	35.90
Managers, marketing, advertising, and public relations .....	21.63	23.46	30.48	46.59	53.33
Administrators, education and related fields .....	13.06	14.31	32.05	39.73	42.27
Managers, service organizations, n.e.c. ....	10.33	10.33	16.70	26.06	32.87
Managers and administrators, n.e.c. ....	21.01	23.92	33.65	40.00	44.62
Management related .....	14.42	16.70	21.69	28.70	33.65
Accountants and auditors .....	13.79	16.16	18.91	23.55	29.38
Personnel, training, and labor relations specialists .....	16.70	17.70	28.70	33.65	33.65
Purchasing agents and buyers, n.e.c. ....	20.28	21.61	23.32	28.94	28.94
Management related, n.e.c. ....	12.55	14.52	21.70	26.99	49.23
<b>Sales</b> .....	6.63	6.75	9.67	15.50	24.53
Supervisors, sales .....	9.84	12.26	13.87	18.27	19.10
Sales representatives, mining, manufacturing, and wholesale .....	12.00	13.89	24.28	31.25	53.53
Cashiers .....	6.29	6.29	6.75	7.71	10.46
Sales support, n.e.c. ....	6.63	6.63	7.03	7.91	17.38
<b>Administrative support, including clerical</b> .....	8.45	9.66	11.70	14.01	17.77
Supervisors, general office .....	11.30	17.91	21.42	25.64	30.77
Secretaries .....	10.06	11.10	12.45	14.09	17.39
Receptionists .....	8.71	8.97	9.62	10.00	10.35
Information clerks, n.e.c. ....	7.75	7.75	9.50	11.84	12.68
Order clerks .....	8.73	8.73	11.84	13.00	18.00
Library clerks .....	8.86	8.86	9.54	13.14	13.14
File clerks .....	7.73	7.76	8.00	8.17	11.00
Records clerks, n.e.c. ....	9.66	11.13	13.50	13.78	14.91

See footnotes at end of table.

Table 6-4. Hourly wage percentiles for establishment jobs<sup>1</sup>, full-time workers:<sup>2</sup> Selected occupations, all industries, National Compensation Survey, Cincinnati-Hamilton, OH-KY-IN, November 1999 — Continued

Occupation <sup>3</sup>	10	25	Median 50	75	90
<b>White collar</b> –Continued					
<b>Administrative support, including clerical</b> –Continued					
Bookkeepers, accounting and auditing clerks .....	\$9.67	\$10.30	\$11.43	\$13.32	\$15.00
Billing clerks .....	9.73	10.30	11.75	14.36	14.36
Dispatchers .....	11.80	13.00	14.45	14.45	21.43
Production coordinators .....	14.55	14.72	18.23	18.23	21.05
Stock and inventory clerks .....	9.08	9.08	10.60	12.15	13.07
Investigators and adjusters, except insurance .....	9.38	9.38	12.22	17.71	20.10
General office clerks .....	8.41	8.45	10.79	13.08	14.67
Data entry keyers .....	7.65	8.80	11.10	11.73	12.60
Administrative support, n.e.c. ....	9.65	10.42	11.43	14.40	14.96
<b>Blue collar</b> .....	8.50	10.31	13.58	17.17	21.14
<b>Precision production, craft, and repair</b> .....					
Supervisors, mechanics and repairers .....	17.56	21.15	27.28	28.13	29.43
Automobile mechanics .....	14.00	16.52	17.75	18.45	21.14
Bus, truck, and stationary engine mechanics .....	13.58	15.42	16.11	16.70	16.70
Industrial machinery repairers .....	14.63	16.67	17.76	21.71	24.70
Mechanics and repairers, n.e.c. ....	12.78	13.98	17.29	20.38	21.14
Supervisors, construction trades, n.e.c. ....	14.21	15.04	18.85	30.90	31.04
Electricians .....	12.00	15.41	18.10	21.71	21.71
Plumbers, pipefitters and steamfitters .....	15.22	16.44	18.71	22.98	24.38
Supervisors, production .....	16.21	16.88	19.00	25.56	27.71
Tool and die makers .....	14.92	16.96	23.25	24.70	24.70
Machinists .....	14.66	14.73	17.44	17.83	21.14
<b>Machine operators, assemblers, and inspectors</b> .....					
Lathe and turning machine operators .....	9.66	14.37	14.99	16.11	16.11
Grinding, abrading, buffing, and polishing machine operators .....	10.24	10.24	12.40	14.81	16.84
Numerical control machine operators .....	12.72	12.82	16.02	16.03	17.36
Fabricating machine operators, n.e.c. ....	12.62	14.79	14.90	16.70	16.90
Molding and casting machine operators .....	9.00	11.22	11.22	14.94	15.59
Printing press operators .....	12.03	12.52	17.37	19.76	21.47
Photoengravers and lithographers .....	13.68	16.50	17.95	21.21	22.05
Mixing and blending machine operators .....	12.79	12.79	14.25	18.82	20.83
Painting and paint spraying machine operators ...	9.40	10.75	11.35	13.00	13.75
Slicing and cutting machine operators .....	8.04	11.54	11.54	13.63	13.63
Miscellaneous machine operators, n.e.c. ....	9.15	10.94	13.07	15.50	16.90
Welders and cutters .....	11.00	12.89	14.54	15.75	17.17
Assemblers .....	7.65	8.40	11.30	14.36	15.36
Production inspectors, checkers and examiners ..	10.31	10.93	12.40	15.36	16.41
<b>Transportation and material moving</b> .....					
Truck drivers .....	10.73	11.99	14.79	16.81	21.25
Bus drivers .....	10.12	10.78	13.67	16.19	16.19
Industrial truck and tractor equipment operators ..	9.00	11.36	13.51	13.70	15.57
<b>Handlers, equipment cleaners, helpers, and laborers</b> .....					
Construction laborers .....	9.25	11.05	11.81	12.47	15.46
Production helpers .....	10.47	11.81	13.92	16.94	18.66
Stock handlers and baggers .....	9.12	9.15	10.34	12.27	13.85
Machine feeders and offbearers .....	8.00	8.98	10.01	11.29	11.99
Freight, stock, and material handlers, n.e.c. ....	9.42	10.49	11.84	16.10	18.04
Vehicle washers and equipment cleaners .....	7.04	7.04	7.89	10.30	11.22
Hand packers and packagers .....	6.00	7.25	7.65	9.23	10.12
Laborers, except construction, n.e.c. ....	8.01	9.25	11.60	12.49	13.91
<b>Service</b> .....					
Protective service .....	6.27	8.00	9.68	13.75	20.96
Supervisors, police and detectives .....	15.49	17.97	18.89	24.90	37.27
Firefighting .....	11.34	14.88	21.78	22.01	22.01
Police and detectives, public service .....	16.72	18.13	20.96	20.96	23.47
Guards and police, except public service .....	6.25	6.27	6.27	8.27	14.30
Food service .....	3.00	6.50	9.03	9.93	11.68
Waiters, waitresses, and bartenders .....	2.13	2.27	3.25	3.68	6.10
Waiters and waitresses .....	2.13	2.27	3.00	3.25	3.54

See footnotes at end of table.



Table 6-4. Hourly wage percentiles for establishment jobs<sup>1</sup>, full-time workers:<sup>2</sup> Selected occupations, all industries, National Compensation Survey, Cincinnati-Hamilton, OH-KY-IN, November 1999 — Continued

Occupation <sup>3</sup>	10	25	Median 50	75	90
<b>Service —Continued</b>					
Food service —Continued					
Other food service .....	\$7.80	\$9.00	\$9.42	\$10.46	\$13.00
Supervisors, food preparation and service .....	10.50	12.77	13.00	14.12	17.25
Cooks .....	8.20	9.03	9.03	10.46	11.68
Food preparation, n.e.c. ....	7.46	8.14	9.00	9.93	10.45
Health service .....	8.30	8.71	9.44	9.90	10.95
Health aides, except nursing .....	7.76	9.07	10.28	10.95	13.59
Nursing aides, orderlies and attendants .....	8.30	8.71	9.00	9.73	9.90
Cleaning and building service .....	7.75	8.44	10.22	12.64	17.24
Supervisors, cleaning and building service workers .....	11.07	11.08	11.08	12.68	18.91
Maids and housemen .....	6.85	7.45	7.97	7.97	8.26
Janitors and cleaners .....	7.76	8.56	10.22	12.67	17.24
Personal service .....	6.75	7.00	8.60	9.09	10.53
Early childhood teachers' assistants .....	6.75	6.75	8.95	9.09	9.51
Service, n.e.c. ....	5.50	8.20	8.74	9.29	12.30

<sup>1</sup> 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.

<sup>2</sup> Employees are classified as working either a full-time or a part-time schedule based on the definition used by each establishment. Therefore, a worker with a 35-hour-per-week schedule might be considered a

full-time employee in one establishment, but classified as part-time in another firm, where a 40-hour week is the minimum full-time schedule.

<sup>3</sup> 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. IN THIS SURVEY, THE NONRESPONSE RATE FOR ALL INDUSTRIES AND PRIVATE INDUSTRY EXCEEDED REGULAR SURVEY STANDARDS FOR PUBLICATION. ACCORDINGLY, USERS SHOULD INTERPRET THESE RESULTS WITH THIS LIMITATION IN MIND.

Table 6-5. Hourly wage percentiles for establishment jobs<sup>1</sup>, part-time workers:<sup>2</sup> Selected occupations, all industries, National Compensation Survey, Cincinnati-Hamilton, OH-KY-IN, November 1999

Occupation <sup>3</sup>	10	25	Median 50	75	90
<b>All</b> .....	\$5.15	\$6.25	\$7.06	\$10.06	\$16.01
All excluding sales .....	4.12	6.12	7.70	10.76	18.26
<b>White collar</b> .....	6.40	6.76	9.04	14.74	21.07
White collar excluding sales .....	6.90	8.72	11.24	20.24	21.07
<b>Professional specialty and technical</b> .....	10.84	14.74	20.24	21.07	41.21
Professional specialty .....	13.56	20.00	20.88	22.67	60.70
Health related .....	17.99	20.24	20.88	21.07	22.82
Registered nurses .....	20.09	20.24	20.88	21.07	22.82
Teachers, college and university .....	41.21	41.21	73.99	73.99	73.99
Teachers, except college and university .....	8.33	8.33	10.84	17.00	40.61
Teachers, n.e.c. ....	9.90	9.90	17.00	17.00	17.00
Social, recreation, and religious workers .....	-	-	-	-	-
Lawyers and judges .....	-	-	-	-	-
Writers, authors, entertainers, athletes, and professionals, n.e.c. ....	-	-	-	-	-
Technical .....	8.72	11.27	14.09	14.74	14.83
<b>Executive, administrative, and managerial</b> .....	9.00	9.00	9.00	24.00	24.00
Executives, administrators, and managers .....	9.00	9.00	9.00	24.00	24.00
<b>Sales</b> .....	6.25	6.40	6.59	6.99	7.08
Cashiers .....	5.94	6.34	6.45	6.99	7.04
<b>Administrative support, including clerical</b> .....	6.60	7.50	9.20	10.15	11.89
Library clerks .....	7.86	7.86	9.26	10.89	10.95
General office clerks .....	6.60	6.60	6.60	9.20	10.15
Administrative support, n.e.c. ....	5.82	9.39	10.91	10.91	11.24
<b>Blue collar</b> .....	5.59	6.50	7.96	10.76	14.31
<b>Precision production, craft, and repair</b> .....	-	-	-	-	-
<b>Machine operators, assemblers, and inspectors</b> .....	-	-	-	-	-
<b>Transportation and material moving</b> .....	5.77	5.97	6.75	12.19	15.19
Motor transportation, n.e.c. ....	5.77	5.95	5.97	6.50	7.02
<b>Handlers, equipment cleaners, helpers, and laborers</b> .....	5.58	6.95	9.68	10.76	12.48
Stock handlers and baggers .....	5.19	5.40	6.52	6.68	8.37
Freight, stock, and material handlers, n.e.c. ....	9.37	10.15	10.76	11.03	14.31
Laborers, except construction, n.e.c. ....	6.00	7.50	7.50	9.68	10.54
<b>Service</b> .....	2.43	5.15	6.46	7.25	8.98
Protective service .....	6.75	7.05	10.58	12.50	21.50
Food service .....	2.26	3.25	6.08	6.75	7.70
Waiters, waitresses, and bartenders .....	2.13	2.26	2.48	3.27	4.39
Waiters and waitresses .....	2.13	2.13	2.48	2.85	3.27
Other food service .....	5.68	6.12	6.63	7.06	7.75
Food preparation, n.e.c. ....	6.08	6.12	6.63	7.06	7.71
Health service .....	-	-	-	-	-
Cleaning and building service .....	6.00	6.00	6.46	6.46	9.97
Janitors and cleaners .....	6.00	6.00	6.46	6.46	9.97
Personal service .....	6.38	6.50	7.83	8.26	8.98
Service, n.e.c. ....	6.00	6.25	6.38	8.50	8.50

<sup>1</sup> 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.

<sup>2</sup> Employees are classified as working either a full-time or a part-time schedule based on the definition used by each establishment. Therefore, a worker with a 35-hour-per-week schedule might be considered a

full-time employee in one establishment, but classified as part-time in another firm, where a 40-hour week is the minimum full-time schedule.

<sup>3</sup> 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. IN THIS SURVEY, THE NONRESPONSE RATE FOR ALL INDUSTRIES AND PRIVATE INDUSTRY EXCEEDED REGULAR SURVEY STANDARDS FOR PUBLICATION. ACCORDINGLY, USERS SHOULD INTERPRET THESE RESULTS WITH THIS LIMITATION IN MIND.

# 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 Cincinnati–Hamilton, OH–KY–IN, Metropolitan Statistical Area includes Brown, Butler, Clermont, Hamilton, and Warren Counties, OH; Boone, Campbell, Gallatin, Grant, Kenton, and Pendleton Counties, KY; and Dearborn and Ohio Counties, IN.

### 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 employment 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. See appendix table 2 for a count of establishments in the survey by employment size. 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 collected in each establishment was based on an 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
1000–2,499	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. In cases where 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.

### **Generic leveling through point factor analysis**

In the last step before wage data were collected, the work level of each selected job was determined using a "generic leveling" process. Generic 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. Appendix table 3 presents median work levels for published occupational groups and selected occupations. 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 generic leveling method were evaluated by BLS researchers using regression techniques. For each of the major occupational groups, wages were compared to the 10 generic level factors (and levels within those factors). The analysis showed that several of the generic level 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 addi-

tional information on generic 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 collection. 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 consid-

ers 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 generic 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 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 the nonrespondents equals the mean value of the respondents at some detailed "cell" level. Responding and nonresponding establishments were classified into these cells according to industry and employment size. Responding and nonre-

responding 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>Establish- ments</i>
Total in sample	451
Responding	300
Out of business or not in survey scope	30
Unable or refused to provide data	121

Some surveys may have a high nonresponse rate for the all industries or private industry iterations. Such instances are noted in the bulletin table footnotes.

### 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.

The percentiles presented in tables 6-1 through 6-5 are computed using average hourly wages for sampled establishment jobs within each occupation. 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 previous NCS bulletins for this area were calculated from individual-worker earnings rather than from average wages for sampled establishment jobs. Data users should keep this difference in mind.

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 suf-

ficient. 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.

### 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 this estimate is \$13.55 to \$12.03 (1.645 times 3.6 percent = 5.922 percent times \$12.27, plus or minus \$0.76). 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 workers<sup>1</sup> represented by the survey, by occupational group,<sup>2</sup> National Compensation Survey, Cincinnati-Hamilton, OH-KY-IN, November 1999**

Occupational group	Full-time and part-time workers		
	Total	Private industry	State and local government
<b>All occupations</b> .....	477,900	393,700	84,200
All excluding sales .....	452,700	368,900	83,900
<b>White collar</b> .....	241,700	189,200	52,500
White-collar excluding sales .....	216,500	164,300	52,200
Professional specialty and technical .....	99,400	66,200	33,200
Professional specialty .....	77,900	48,000	29,800
Technical .....	21,500	18,200	3,300
Executive, administrative, and managerial .....	37,300	31,000	6,300
Sales .....	25,200	24,900	–
Administrative support, including clerical .....	79,800	67,100	12,700
<b>Blue collar</b> .....	149,600	139,200	10,400
Precision production, craft, and repair .....	40,000	35,700	4,200
Machine operators, assemblers, and inspectors .....	39,700	39,400	–
Transportation and material moving .....	25,300	21,400	3,900
Handlers, equipment cleaners, helpers, and laborers .....	44,700	42,600	2,000
<b>Service</b> .....	86,600	65,400	21,200

<sup>1</sup> 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.

<sup>2</sup> 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. IN THIS SURVEY, THE NONRESPONSE RATE FOR ALL INDUSTRIES AND PRIVATE INDUSTRY EXCEEDED REGULAR SURVEY STANDARDS FOR PUBLICATION. ACCORDINGLY, USERS SHOULD INTERPRET THESE RESULTS WITH THIS LIMITATION IN MIND.

Appendix table 2. **Number of establishments represented by survey and the number studied by industry division and establishment employment size, Cincinnati-Hamilton, OH-KY-IN, November 1999**

Industry	Number of establishments represented <sup>1</sup>	Number of establishments studied				
		Total studied	50 - 99 workers <sup>2</sup>	100 workers or more		
				Total	100 - 499 workers	500 workers or more
All industries .....	2,700	300	81	219	137	82
Private industry .....	2,600	252	77	175	117	58
Goods-producing industries .....	700	92	18	74	48	26
Mining .....	( <sup>3</sup> )	2	1	1	1	-
Construction .....	100	10	4	6	5	1
Manufacturing .....	600	80	13	67	42	25
Service-producing industries .....	1,900	160	59	101	69	32
Transportation and public utilities .....	100	16	3	13	6	7
Wholesale and retail trade .....	800	51	29	22	22	-
Finance, insurance and real estate .....	100	15	4	11	3	8
Services .....	800	78	23	55	38	17
State and local government .....	200	48	4	44	20	24

<sup>1</sup> Number of establishments represented by the survey rounded to the nearest 100.

<sup>2</sup> Establishments classified with 50-99 workers may contain establishments with fewer than 50 due to staff reductions between survey sampling and collection.

<sup>3</sup> Number of establishments represented by the survey is fewer than 50.

NOTE: Dashes indicate that no data were reported. Overall industry and industry groups may include data for categories not shown separately.



Appendix table 3. **Median work levels for all workers, full-time and part-time workers:<sup>1</sup> Selected occupations, all industries, National Compensation Survey, Cincinnati-Hamilton, OH-KY-IN, November 1999**

Occupation <sup>2</sup>	All workers	Full-time workers	Part-time workers
<b>All</b> .....	5	5	2
All excluding sales .....	5	5	2
<b>White collar</b> .....	7	7	3
White collar excluding sales .....	7	8	4
<b>Professional specialty and technical</b> .....	9	9	9
Professional specialty .....	9	9	9
Engineers, architects, and surveyors .....	9	9	—
Industrial engineers .....	9	9	—
Mechanical engineers .....	9	9	—
Mathematical and computer scientists .....	11	11	—
Computer systems analysts and scientists .....	11	11	—
Operations and systems researchers and analysts .....	9	9	—
Natural scientists .....	11	11	—
Health related .....	9	9	9
Registered nurses .....	9	9	9
Teachers, college and university .....	12	13	9
Teachers, except college and university .....	9	9	7
Elementary school teachers .....	9	9	—
Secondary school teachers .....	9	9	—
Teachers, n.e.c. ....	9	—	7
Librarians, archivists, and curators .....	9	9	—
Librarians .....	9	9	—
Social scientists and urban planners .....	—	—	—
Social, recreation, and religious workers .....	7	7	—
Social workers .....	7	7	—
Lawyers and judges .....	—	—	—
Writers, authors, entertainers, athletes, and professionals, n.e.c. ....	7	7	—
Designers .....	7	7	—
Technical .....	7	7	6
Radiological technicians .....	5	—	—
Licensed practical nurses .....	7	7	—
Health technologists and technicians, n.e.c. ....	5	5	—
Electrical and electronic technicians .....	7	7	—
Engineering technicians, n.e.c. ....	8	8	—
Technical and related, n.e.c. ....	6	6	—
<b>Executive, administrative, and managerial</b> .....	10	10	5
Executives, administrators, and managers .....	11	11	5
Administrators and officials, public administration .....	11	11	—
Financial managers .....	12	12	—
Managers, marketing, advertising, and public relations .....	11	11	—
Administrators, education and related fields .....	11	11	—
Managers, service organizations, n.e.c. ....	8	8	—
Managers and administrators, n.e.c. ....	11	11	—
Management related .....	9	9	—
Accountants and auditors .....	9	9	—
Personnel, training, and labor relations specialists .....	11	11	—
Purchasing agents and buyers, n.e.c. ....	9	9	—
Management related, n.e.c. ....	8	8	—
<b>Sales</b> .....	2	4	2
Supervisors, sales .....	6	6	—
Sales representatives, mining, manufacturing, and wholesale .....	8	8	—
Cashiers .....	1	1	2
Sales support, n.e.c. ....	1	1	—
<b>Administrative support, including clerical</b> .....	4	4	3
Supervisors, general office .....	9	9	—
Secretaries .....	5	5	—
Receptionists .....	3	3	—
Information clerks, n.e.c. ....	4	4	—
Order clerks .....	3	4	—
Library clerks .....	3	3	3
File clerks .....	3	2	—
Records clerks, n.e.c. ....	5	5	—

See footnotes at end of table.

Appendix table 3. **Median work levels for all workers, full-time and part-time workers:<sup>1</sup> Selected occupations, all industries, National Compensation Survey, Cincinnati-Hamilton, OH-KY-IN, November 1999** — Continued

Occupation <sup>2</sup>	All workers	Full-time workers	Part-time workers
<b>White collar</b> —Continued			
<b>Administrative support, including clerical</b> —Continued			
Bookkeepers, accounting and auditing clerks .....	4	4	—
Billing clerks .....	4	4	—
Mail clerks, except postal service .....	3	—	—
Dispatchers .....	6	6	—
Production coordinators .....	6	6	—
Traffic, shipping and receiving clerks .....	4	—	—
Stock and inventory clerks .....	3	3	—
Investigators and adjusters, except insurance .....	4	4	—
General office clerks .....	3	4	2
Data entry keyers .....	3	3	—
Teachers' aides .....	1	—	—
Administrative support, n.e.c. ....	4	4	3
<b>Blue collar</b> .....	4	4	2
<b>Precision production, craft, and repair</b> .....			
Supervisors, mechanics and repairers .....	9	9	—
Automobile mechanics .....	7	7	—
Bus, truck, and stationary engine mechanics .....	7	7	—
Industrial machinery repairers .....	7	7	—
Machinery maintenance .....	6	—	—
Mechanics and repairers, n.e.c. ....	7	7	—
Supervisors, construction trades, n.e.c. ....	9	9	—
Electricians .....	7	7	—
Plumbers, pipefitters and steamfitters .....	7	7	—
Supervisors, production .....	8	8	—
Tool and die makers .....	7	7	—
Machinists .....	7	7	—
<b>Machine operators, assemblers, and inspectors</b> .....			
Lathe and turning machine operators .....	5	5	—
Grinding, abrading, buffing, and polishing machine operators .....	3	3	—
Numerical control machine operators .....	6	6	—
Fabricating machine operators, n.e.c. ....	4	4	—
Molding and casting machine operators .....	3	3	—
Printing press operators .....	5	5	—
Photoengravers and lithographers .....	7	7	—
Mixing and blending machine operators .....	5	5	—
Painting and paint spraying machine operators .....	4	4	—
Slicing and cutting machine operators .....	3	3	—
Miscellaneous machine operators, n.e.c. ....	4	4	—
Welders and cutters .....	5	5	—
Assemblers .....	3	3	—
Production inspectors, checkers and examiners .....	5	5	—
<b>Transportation and material moving</b> .....			
Truck drivers .....	4	4	—
Bus drivers .....	3	3	—
Motor transportation, n.e.c. ....	4	—	4
Industrial truck and tractor equipment operators .....	3	3	—
<b>Handlers, equipment cleaners, helpers, and laborers</b> .....			
Construction laborers .....	4	4	—
Production helpers .....	3	3	—
Stock handlers and baggers .....	3	3	1
Machine feeders and offbearers .....	2	2	—
Freight, stock, and material handlers, n.e.c. ....	3	4	3
Vehicle washers and equipment cleaners .....	1	1	—
Hand packers and packagers .....	1	1	—
Laborers, except construction, n.e.c. ....	3	3	2
<b>Service</b> .....			
Protective service .....	6	6	3

See footnotes at end of table.

Appendix table 3. **Median work levels for all workers, full-time and part-time workers:<sup>1</sup> Selected occupations, all industries, National Compensation Survey, Cincinnati-Hamilton, OH-KY-IN, November 1999** — Continued

Occupation <sup>2</sup>	All workers	Full-time workers	Part-time workers
<b>Service</b> —Continued			
Protective service —Continued			
Supervisors, police and detectives .....	9	9	—
Firefighting .....	7	7	—
Police and detectives, public service .....	9	9	—
Guards and police, except public service .....	2	2	—
Food service .....	2	3	2
Waiters, waitresses, and bartenders .....	2	2	1
Waiters and waitresses .....	2	2	2
Other food service .....	2	3	2
Supervisors, food preparation and service .....	7	7	—
Cooks .....	3	3	—
Kitchen workers, food preparation .....	3	—	—
Food preparation, n.e.c. ....	2	2	2
Health service .....	3	3	—
Health aides, except nursing .....	4	4	—
Nursing aides, orderlies and attendants .....	3	3	—
Cleaning and building service .....	2	2	1
Supervisors, cleaning and building service workers .....	5	5	—
Maids and housemen .....	2	2	—
Janitors and cleaners .....	2	2	1
Personal service .....	2	3	2
Early childhood teachers' assistants .....	3	3	—
Child care workers, n.e.c. ....	3	—	—
Service, n.e.c. ....	3	3	1

<sup>1</sup> Employees are classified as working either a full-time or a part-time schedule based on the definition used by each establishment. Therefore, a worker with a 35-hour-per-week schedule might be considered a full-time employee in one establishment, but classified as part-time in another firm, where a 40-hour week is the minimum full-time schedule.

<sup>2</sup> A classification system including about 480 individual occupations is used to cover all workers in the civilian economy. The occupations titled authors,

musicians, actors, painters, photographers, dancers, artists, athletes, and legislators cannot be assigned a work level. 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.